

February 1, 2005

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

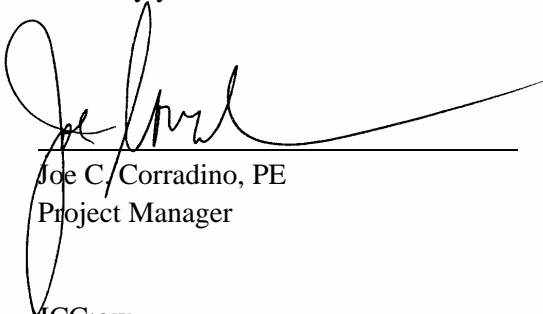
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 1 Progress Report

Dear Mohammed:

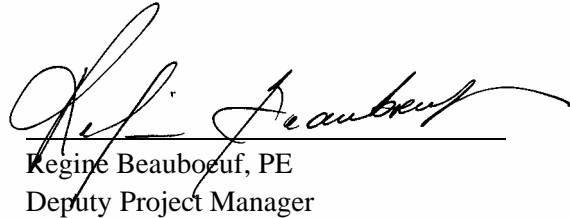
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 1 for January 2005. The invoice will be submitted under separate cover to Shannon Gilliam.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboef, PE
Deputy Project Manager

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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
DECEMBER 27, 2004 – JANUARY 31, 2005**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Collaborated with the Canadian team and visited Toronto to review the scope of each consulting team.
- Prepared a memorandum to define the scope differences between the two consulting teams.
- Presented the scope differences to the Partnership Working Group on January 13th. Discussed:
 - ✓ When to conduct the first public meeting event.
 - ✓ Creation of a Local Advisory Council(s).
 - ✓ The use of QUANTM.
- Participated in a teleconference on January 14th and in a team meeting on January 19th to further discuss the use of QUANTM.
- Continued to discuss work-sharing on border crossing facilities.
- Drafted and submitted to MDOT the DRIC Public Involvement Plan. Set up 800 telephone “hotline.”
- Drafted and submitted to MDOT the Streamlining Agreement.
- Set up Document Locator, a document retrieval/filing system for use by consulting teams.
- Set up ACT software for public comment filing/response.
- Drafted a QA/QC Plan.
- Helped prepare PowerPoint presentation on Partnership Charter.
- Helped prepare MDOT roles/responsibilities paper.
- Helped prepare biweekly progress report for MDOT management.
- Helped draft news release on start of DRIC EPE/EIS work.

B. Products

- Matrix defining the early differences between the work plans of each consulting firm.
- Memorandum dealing with the reconciliation of issues leading to the use of QUANTM.
- Memorandum dealing with the early steps in public involvement including the first public meeting event and establishing the Local Advisory Council(s).
- Proposed membership on the Local Advisory Council(s).
- Draft letters inviting membership to the Local Advisory Council.
- Draft Public Involvement Plan.
- Draft Streamlining Agreement.
- Draft PowerPoint presentation on Partnership Charter.
- Draft MDOT roles/responsibilities paper.
- Draft News Release.
- Internal draft of QA/QC Plan.

C. Task Evaluation

- Considerable effort has been focused on the scope differences between consultants to reconcile the issues of: using QUANTM; establishing a Local Advisory Council(s); and, the timing of the first public meeting event. All appear to be headed for productive conclusions pending the February 1st meeting of the Partnership Steering Committee.

D. Upcoming Plans

- Meet February 1st with the Partnership Steering Committee to resolve the use of QUANTM, establishing Local Advisory Council(s), and the first public meeting event.
- Meet February 2nd with MDOT to discuss the draft Purpose and Need Statement prepared during the Planning/Need & Feasibility Study.
- Meet February 3rd with MDOT to review the approach to the Community Inventory work.
- Meet with FHWA to review the draft Streamlining Agreement.
- Meet with MDOT to discuss the approach to the cultural (historical/archaeological) impact assessment.
- Meet with the Modeling Task Force to initiate travel demand analysis.
- Meet with the Air Quality Protocol Task Force to initiate the air quality analysis.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Collaborated with the Canadian team to establish an overview of the modeling process.
- Presented the overview of the modeling process, in collaboration with the Canadian team, to the Partnership Working Group on January 13th.
- Worked, with the Canadian consultant team, to reactivate the Modeling Task Force formed for the Purpose/Need & Feasibility Study.
- Cooperated with MDOT in collecting available traffic count data.
- Contacted Regal Decisions to initiate contract for use of Border Wizard.

B. Products

- Slide presentation of the overview of the modeling process.
- Invitation to members to re-activate Modeling Task Force.

C. Task Evaluation

- Re-activation of the Modeling Task Force will allow the travel demand analysis task to be started on a sound footing.

D. Upcoming Plans

- Convene the Modeling Task Force.
- Prepare a working paper, in consultation with the Canadian team, on the modeling work. Initiate modeling work.
- Work with MDOT to assemble available traffic count data.
- Continue to define where additional traffic count information is needed.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Set a meeting on February 2nd to discuss with MDOT the Purpose and Need Statement prepared during the Planning/Need & Feasibility Study.

B. Products

- None as none required.

C. Task Evaluation

- The early February meeting on the Purpose and Need Statement will be good backgrounding step in preparing for the March round of meetings with the LAC and the public.

D. Upcoming Plans

- Meet on February 2nd with MDOT to review the Purpose and Need Statement developed during the Planning/Need & Feasibility Study.
- Update the document as appropriate.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- Discussed with the Canadian team on December 28th the need to use QUANTM.
- Met in Indianapolis on January 6th to review the application of QUANTM with a QUANTM representative.
- Discussed with the Partnership Working Group on January 13th the QUANTM issue.
- Prepared a paper as a result of a teleconference on January 14th among Canadian and U.S. teams and QUANTM on key issues that affect the use of QUANTM.
- Met in Toronto on January 19th to advance the decision on the use of QUANTM.

B. Products

- Various papers addressing the use of QUANTM.

C. Task Evaluation

- Several meetings have led to the decision that the Canadian team will use QUANTM. The U.S. team proposed the use of QUANTM in its scope of work.
- A three-year agreement will allow the QUANTM system to be available not only for the analysis of Illustrative Alternatives but to answer any residual/”what if” questions as the project proceeds to conclusion.

D. Upcoming Plans

- Participate in the first training session of QUANTM.
- Assemble aerial data for submission to QUANTM for use in the analysis.
- Assemble GIS data for use in QUANTM.
- Begin the application of QUANTM as background for the LAC and public meetings in March.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- Set a meeting for February 2nd to discuss the Purpose and Need Statement which is the first step in establishing the scoping document.
- Submitted to the client a draft Streamlining Agreement which will affect scoping and other major milestone activities in the overall EIS process.
- Received word that the U.S. EPA, the U.S. Army Corps of Engineers, U.S. Fish & Wildlife, U.S. Coast Guard, the U.S. General Services Administration, and the U.S. State Department have agreed to be cooperating agencies with FHWA in preparing the EIS.

B. Products

- Draft Streamlining Agreement for consideration by MDOT/FHWA.
- Unofficial and official commitments of several U.S. agencies to be cooperating agencies with FHWA in preparing the EIS.

C. Task Evaluation

- The agreement of a number of federal agencies to cooperate with FHWA in preparing the EIS is significant. Each has requirements for the writing/format of the EIS and the public hearing on the draft EIS that must be addressed early.
- Response by MDOT/FHWA to the disposition of the draft Streamlining Agreement is needed and awaited.

D. Upcoming Plans

- Meet with MDOT to discuss the Purpose and Need Statement prepared in the Planning/Need & Feasibility Study.
- Update/revise the Purpose and Need Statement based upon the February 2nd meeting with MDOT.
- Meet with MDOT/FHWA on the draft Streamlining Agreement.
- Meet, as appropriate, with the cooperating agencies to determine requirements for EIS preparation and public hearing.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Began review of GIS databases and began conduct of preliminary site visits as part of the early SEE study activities. This includes work in the following areas:
 - ✓ Threatened and Endangered Species.
 - ✓ Coastal Zone Management consistency.

- ✓ Archaeology.
- ✓ Architecture.
- ✓ Agriculture.
- ✓ Noise.
- ✓ Air Quality.
- ✓ Flooding.
- ✓ Water Quality.
- ✓ Recreational Uses.
- ✓ Community Impact Assessment/EJ.
- ✓ Title VI Issues.
- ✓ Indirect and Cumulative Effects.
- ✓ Wetlands Delineation/Assessment.
- ✓ Visual Resources/Aesthetics.

B. Products

- Prepared a memorandum report on the preliminary assessment of cultural issues associated with the Southern Crossing corridor.
- Invited members to re-activate Air Quality Protocol Task Force.

C. Task Evaluation

- Work in this area is active at an early stage which is important to maintaining the project schedule.

D. Upcoming Plans

- Meet with SEMCOG on Induced Demand Modeling.
- Continue to work in all SEE areas for Illustrative Alternatives definition.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- Completed enhancing LiDAR to serve as DEM for digital orthophoto production.
- Created ortho imaging covering 10 percent of the project area.

B. Products

- DEMs.

C. Task Evaluation

- Work is proceeding ahead of schedule to accommodate QUANTM.
- Aerial photography needed for the South Corridor west of I-75 to I-94.

D. Upcoming Plans

- Complete up to 65 percent of area's ortho imaging.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Collected available information to conduct preliminary assessment of Detroit River crossing.
- Began producing preliminary geotechnical conditions map.

B. Products

- Binder of existing geotechnical information.

C. Task Evaluation

- Work is underway to establish a definition of the viability of river crossing locations prior to March meetings with LAC and public.

D. Upcoming Plans

- Prepare preliminary assessment paper on viability of Detroit River crossings.
- Prepare maps of existing geotechnical information.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Work in this task has not been initiated.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Begin preliminary record search.

B. Products

- None, as none required.

C. Task Evaluation

- Work is proceeding on schedule.

D. Upcoming Plans

- Continue preliminary records search.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Created ortho imaging covering 10 percent of area.

B. Products

- Ortho imaging covering 10 percent of area.

C. Task Evaluation

- Working or proceeding ahead of schedule to accommodate QUANTM.

D. Upcoming Plans

- Complete up to 65 percent of area's ortho imaging.

TASK 19 (3320) – CONTROL SURVEY FOR AERIALS

A. Work Progress

- Work has not been initiated on this task.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Work in this task has not been initiated.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Work in this task has not been initiated.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

No updates are now necessary.

E. ITEMS NEEDED FROM MDOT

- To convene a meeting on the cultural resource analysis.
- To convene a meeting to advance the draft Streamlining Agreement.
- Approval of the concept of the LAC and invitation to participants to the first meeting during the week of March 14th.
- Approval of the first public meeting event tentatively scheduled for March 28 through 31, 2005.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- January 7th participation in the Partnership Working Group team building.
- January 13th participation in the Partnership Work Group scope verification/kickoff meeting.
- January 19th participation in the Partnership Working Group meeting dealing with the decision on the use of QUANTM.
- Daily contact by phone and e-mail with the MDOT Project Manager.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Last week of March 2005	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Context Sensitive Design 2
First week of July 2006	First week of July 2006	13 Community Impact Assessment 2
Fourth week of July 2006	Fourth week of July 2006	14 Engineering Concepts Report
First week of August 2006	First week of August 2006	15 Context Sensitive Design 3
Second week of August 2006	Second week of August 2006	16 Preliminary DEIS
Second week of October 2006	Second week of October 2006	17 Draft DEIS
Fourth week of November 2006	Fourth week of November 2006	18 Public Hearing Script/Video
Second week of December 2006	Second week of December 2006	19 FHWA Approved DEIS
Second week of January 2007	Second week of January 2007	20 DEIS Public Hearing
Second week of April 2007	Second week of April 2007	21 Public Hearing Comment Summary
Fourth week of July 2007	Fourth week of July 2007	22 Recommended Alternative
Fourth week of August 2007	Fourth week of August 2007	23 Final EIS
Fourth week of September 2007	Fourth week of September 2007	24 Final Engineering Report
Fourth week of November 2007	Fourth week of November 2007	25 MOU
Second week of December 2007	Second week of December 2007	26 Recommended Alternative Presentation
Fourth week of December 2007	Fourth week of December 2007	27 Access Justification Report
Fourth week of December 2007	Fourth week of December 2007	28 ROD

ATTACHMENT

H. CONTACT RECORDS

- Daily e-mail and conversations with MDOT.
- Monthly progress report.
- Meetings of:
 - ✓ January 7th: Partnership team building.
 - ✓ January 13th: Partnership Working Group scope verification/kickoff meeting.
 - ✓ January 19th: QUANTM discussion.

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March 10, 2005

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

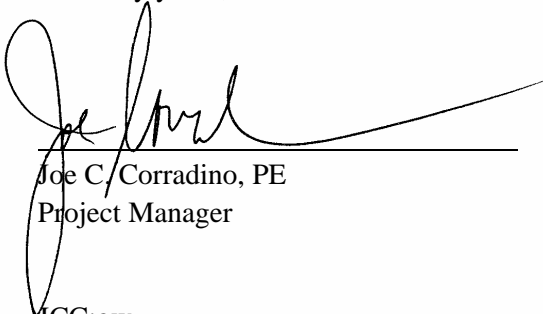
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 2 Progress Report

Dear Mohammed:

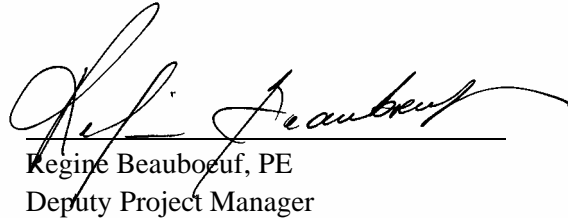
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 2 for February 2005. The invoice will be submitted under separate cover to Tonya Nobach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboef, PE
Deputy Project Manager

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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
FEBRUARY 1 – FEBRUARY 28, 2005**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Met February 1st with Partnership Steering Committee to resolve establishing a Local Advisory Council.
- Met February 2nd with MDOT and the Federal Highway Administration representatives to discuss the Purpose and Need Statement prepared during the Planning/Need & Feasibility Study. Updated the Purpose and Need Statement.
- Met February 2nd with MDOT and FHWA representatives to review the draft Streamlining Agreement. Updated the Streamlining Agreement.
- Met with the Modeling Task Force on February 3rd and February 10th to initiate the travel demand analysis work.
- Met February 3rd with MDOT to review the approach to the Community Inventory work.
- Met February 22nd with MDOT to review the cultural resources analysis approach.
- Met by teleconference with MDOT on February 22nd to review the potential contaminated sites and scope of work.
- Worked with the Canadian consultant to produce a composite paper on travel demand modeling.
- Took steps to reinitiate during April the work of the Air Quality Protocol Task Force.
- Submitted a draft public meeting mailer to MDOT for review.
- Reviewed with the Working Group on February 23rd preliminary graphics for the first round of public meetings. Revised the approach to the graphics.
- Assisted in preparing a PowerPoint presentation to brief the Michigan legislature on February 23rd.

- Finalized the location of the first round of public meetings for April 11th, April 12th, April 13th and April 14th.
- Assisted with the dissemination of the press release announcing the initiation of the DRIC environmental analysis phase.
- Drafted a set of Frequently Asked Questions (FAQs).
- Helped prepare the biweekly progress reports for MDOT management.
- Cooperated with the Canadian consultant to develop a division of responsibilities paper on the engineering work associated with the border crossing.
- Drafted letters to initiate the Public Agency Group and Public Sector Advisory Group meetings.

B. Products

- Updated draft Purpose and Need Statement.
- Updated draft Streamlining Agreement.
- Input to a PowerPoint presentation for a briefing of the Michigan legislature.
- Draft of letters of invitation to the Public Agency Group and the Public Sector Advisory Group.
- Input to the biweekly status report to MDOT management.
- Paper on travel demand modeling.
- Paper on division of responsibilities in the engineering work associated with the border crossing.

C. Task Evaluation

- The mailing of letters of invitation to the Local Advisory Council, the Public Sector Advisory Group, and the Public Agency Group has been delayed by weeks. Nevertheless, efforts are being made to conduct meetings with these groups in March in order to maintain the schedule.

D. Upcoming Plans

- Conduct the first Public Agency Group meeting.
- Conduct the first Local Advisory Council meeting.
- Conduct the first Public Sector Advisory Group meeting.
- Make final preparations for the public meetings on April 11th, 12th, 13th and 14th.
- Cooperate with MDOT to disseminate through the media the announcement of the April round of public meetings.
- Assist, as appropriate, MDOT and FHWA in disseminating the draft Streamlining Agreement.
- Meet with MDOT in the areas of wetlands and threatened and endangered species for additional scope verification.

- Finalize preparations with the Air Quality Protocol Task Force to be reconvened in April.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Met twice with the Modeling Task Force.
- Prepared a working paper, in consultation with the Canadian team, on the modeling work.
- Initiated the modeling work.
- Requested of SEMCOG a series of data.
- Requested of MDOT additional traffic count data on freeways.
- Requested and received permission to use MDOT Reebie data.
- Received bridge count data to SEMCOG.
- Received bridge OD data from MDOT.
- Began to update international truck and auto trip tables.
- Began review of model network.

B. Products

- A working paper developed, in consultation with the Canadian team, on the modeling work.
- Notes of the two Modeling Group meetings.
- PowerPoint presentation used in the February 10th Modeling Task Force Meeting.

C. Task Evaluation

- The modeling work is proceeding at a slower pace than originally anticipated. However, no schedule impacts are expected.

D. Upcoming Plans

- Convene the Modeling Task Force on March 16th.
- Continue to assemble data from MDOT (traffic counts) and SEMCOG.
- Establish baseline 2005 traffic volumes for the existing Ambassador Bridge from data files supplied by MDOT and SEMCOG.
- Distribute the travel demand modeling approach paper.
- Update the U.S. background traffic data from the SEMCOG model (pending delivery of SEMCOG's model data) and from the MDOT statewide model.
- Review 2030 forecasts from MDOT and SEMCOG and begin the update of the cross-border trip tables to 2035.

- Begin to develop a qualitative background paper on cross-border freight facilities, movements and commodities for truck, rail, water and air modes.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Met on February 2nd with MDOT and FHWA representatives to review the Purpose and Need Statement developed during the Planning/Need & Feasibility Study. Updated the Purpose and Need Statement.

B. Products

- Updated Purpose and Need Statement.

C. Task Evaluation

- The Purpose and Need Statement is now available, in draft form, for review with a host of federal and state agencies to further advance it for use in the scoping process.

D. Upcoming Plans

- Assist FHWA and MDOT in dissemination of the draft Purpose and Need Statement.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- Participated in the first training session of QUANTM.
- Assembled aerial data for submission to QUANTM for use in the training and for subsequent analysis.
- Assembled the GIS data for use in the QUANTM training and subsequent analysis.
- Collaborated with the Canadian team to review and determine the level of engineering being performed at the border crossing by each consulting team.
- Provided information in the preparation of a memorandum to define the scope differences between the two consulting teams for the border crossing.
- Devised the Project Operations Plan and a QA/QC plan for the engineering work.
- Continued to set up CADD project standards and file naming conventions for use in GEOPACK, and Project Wise.

- Continued to participate in discussions with the Canadian team to determine and reconcile the level of engineering work to be performed during preparation of design plans for the Recommended Alternative.
- Participated in review and directing work on a draft geotechnical report for the evaluation of potential border crossing locations.
- Participated in the development of the evaluation criteria working paper.
- Sent, on February 5th, 2005, a letter to the Coast Guard to determine the requirements of the navigation channel in the Detroit River (location of the channel, horizontal and vertical clearances, for a new crossing).

B. Products

- A paper dealing with the evaluation of Illustrative Alternatives. Presented to the Working Group on February 23rd.
- A paper dealing with the preliminary assessment of geotechnical conditions of the river for the initiation of Illustrative Alternatives.
- Revised project operations plan and QA/QC plan for engineering work.
- Step-by-step scope of services related to the work to be performed to arrive at a decision on a crossing location and type. This identifies any differences in work between the U.S. and Canadian teams and reconciles among the two teams the work to be done at the crossing to receive a 50/50 sharing of the work.
- Letter to the U.S. Coast Guard.

C. Task Evaluation

- The paper on Illustrative Alternatives will be revised based upon Working Group input.
- The Working Group will take under consideration the paper and the need to divide the border crossing work among the two consulting teams.

D. Upcoming Plans

- Begin the application of QUANTM.
- Meet with Canadian team to define the detailed performance measures to be calculated in the evaluation of Illustrative Alternatives.
- Continue developing and documenting the design criteria for use in developing Illustrative Alternatives.
- Secure a list of As-Built plans from MDOT of the arterials and freeways within the five crossing corridors.
- Determine the best use of the geotechnical information for structure location and structure type for the border crossing's Illustrative Alternatives and houses.
- Evaluate project requirements from lessons learned at the Peace Bridge. Conduct an internal consultant team meeting in March 2005 on this issue.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- Met on February 2nd with MDOT and FHWA representatives to review the Purpose and Need Statement developed during the Planning/Need & Feasibility Study.
- Updated the Purpose and Need Statement based upon the input provided by MDOT and FHWA.
- Met with MDOT and FHWA representatives on February 2nd to review the draft Streamlining Agreement. Updated the document.

B. Products

- Updated Purpose and Need Statement.
- Updated the Streamlining Agreement.

C. Task Evaluation

- This effort is proceeding on schedule.

D. Upcoming Plans

- Meet, as appropriate, with MDOT/FHWA in advancing the Purpose and Need Statement and the Streamlining Agreement.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Began assembling the GIS databases and conducting preliminary work in the following areas:
 - ✓ Threatened and Endangered Species.
 - Conducted literature review.
 - Began developing base maps and aerials for use in the field.
 - Developed schedule for T & E assessments.
 - Obtained T & E information from MDNR and MNFR.
 - ✓ Coastal Zone Management.
 - Began GIS mapping.
 - ✓ Archaeology.
 - Continued gathering information on recorded sites.
 - Began developing USGS base mapping.
 - Met with MDOT for scope verification.
 - ✓ Architecture.
 - Continued gathering information on recorded sites.
 - Met with MDOT for scope verification.
 - ✓ Agriculture.
 - Began GIS mapping.
 - ✓ Air Quality.
 - Set April meeting for reactivation of Air Quality Protocol Task Force.
 - ✓ Flooding.
 - Began GIS mapping.
 - ✓ Recreational Uses.
 - Began GIS mapping.
 - ✓ Community Impact Assessment.
 - Conducted scope verification with MDOT.
 - Began GIS base mapping.
 - Organized the field work.
 - ✓ Title VI Issues.
 - Began analysis and mapping of U.S. Census data.
 - ✓ Wetlands Delineation/Assessment.
 - Conducted search for available information. Reviewed literature.
 - Began development of base maps and aerials for use in the field.

B. Products

- Extensive GIS base mapping as input to QUANTM and to support field analysis.

C. Task Evaluation

- Work in this area is proceeding according on schedule.

D. Upcoming Plans

- Continue GIS base mapping.
- Continue to research for available information.
- Initiate or continue field work.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- Completed two-thirds of the ORTHO production.

B. Products

- Additional ORTHO photos.

C. Task Evaluation

- Work is proceeding according to schedule.

D. Upcoming Plans

- Advance the completion of the ORTHO photos.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Prepared a preliminary assessment on the viability of crossings of the Detroit River. Presented that information to the Working Group on February 23rd.
- Continued collecting existing geotechnical information.

B. Products

- Draft paper on the geological conditions encountered in crossing the Detroit River.

C. Task Evaluation

- Work is moving ahead of schedule.

D. Upcoming Plans

- Continue the information search.
- Begin set-up cost estimating procedure.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Work in this task has not been initiated.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Conducted a teleconference with MDOT to verify the scope of this task.
- Continued assembling data to assist in the analysis of Illustrative Alternatives.

B. Products

- None, as none required.

C. Task Evaluation

- Work is proceeding according to schedule.

D. Upcoming Plans

- Continue preliminary records search.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Identified areas not covered by previous mapping. Produced a proposed approach to completing the mapping, if and when necessary.

B. Products

- Proposed plan for completing the mapping of areas not covered by previous mapping, if and when needed.

C. Task Evaluation

- Additional mapping may be needed if, particularly, a route in the southern part of the study area proves viable and extends to I-275 or beyond to I-94.

D. Upcoming Plans

- Discuss with MDOT possible need for additional aerial topo mapping.

TASK 19 (3320) – CONTROL SURVEY FOR AERIALS

A. Work Progress

- Work has not been initiated on this task.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Work in this task has not been initiated.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Work in this task has not been initiated.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

The first round of public meetings has been moved to mid-April from late March based upon the different “spring breaks” affecting the constituencies in the project area.

E. ITEMS NEEDED FROM MDOT

- A review, in cooperation with the Working Group, of the evaluation factors of Illustrative Alternatives paper.
- A review, in cooperation with the Partnership Working Group, of the division of engineering work on the border crossing.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended meetings on:
 - ✓ February 1st with the Steering Committee.
 - ✓ February 2nd with MDOT and FHWA on the draft Purpose and Need and draft Streamlining Agreement.
 - ✓ February 3rd and February 10th with the Modeling Task Force.
 - ✓ February 22nd with MDOT at its monthly coordination meeting.
 - ✓ February 23rd with the Partnership Working Group.
- Daily contact by phone and e-mail with the MDOT Project Manager.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
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First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Context Sensitive Design 2
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Second week of April 2007	Second week of April 2007	21 Public Hearing Comment Summary
Fourth week of July 2007	Fourth week of July 2007	22 Recommended Alternative
Fourth week of August 2007	Fourth week of August 2007	23 Final EIS
Fourth week of September 2007	Fourth week of September 2007	24 Final Engineering Report
Fourth week of November 2007	Fourth week of November 2007	25 MOU
Second week of December 2007	Second week of December 2007	26 Recommended Alternative Presentation
Fourth week of December 2007	Fourth week of December 2007	27 Access Justification Report
Fourth week of December 2007	Fourth week of December 2007	28 ROD

¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

H. CONTACT RECORDS

- Daily e-mail and conversations with MDOT.
- Monthly progress report.
- Meetings of:
 - ✓ February 1st with the Steering Committee.
 - ✓ February 2nd with MDOT and FHWA on the draft Purpose and Need and draft Streamlining Agreement.
 - ✓ February 3rd and February 10th with the Modeling Task Force.
 - ✓ February 22nd with MDOT at its monthly coordination meeting.
 - ✓ February 23rd with the Partnership Working Group.

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April 11, 2005

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

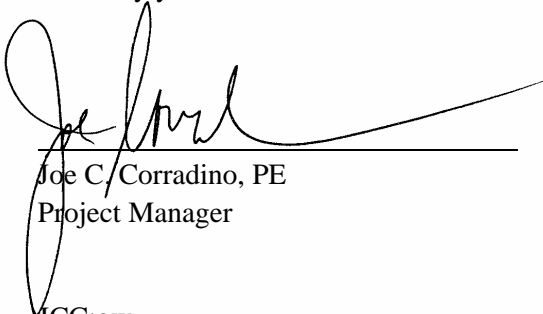
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 3 Progress Report

Dear Mohammed:

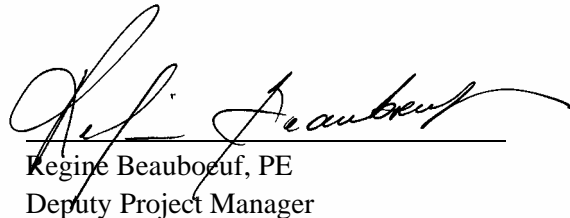
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 3 for March 2005. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboef, PE
Deputy Project Manager

JCC:gw
E:\Projects\3600\WP\ProgRpt\PR3.doc
Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
MARCH 1 THROUGH MARCH 31, 2005**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Participated in the proponents' meeting on March 22nd and 23rd.
- Participated in the Private Sector Advisory Group meeting on March 23rd.
- Met with MDOT on March 24th to conduct scope verification on threatened and endangered species and wetlands work plans.
- Participated in the Working Group meeting of March 30th including preparation of the agenda.
- Participated in the Local Advisory Council meeting of March 30th, including the preparation of all graphics that would be also used in the public meetings in mid-April.
- Finalized all preparations for the public meetings of April 11th, 12th, 13th and 14th.
- Mailed invitations (20,000+) on March 25th to the April public meetings.
- Submitted to MDOT script of video for April public meetings.
- Cooperated with MDOT to disseminate through the media the announcement of the April round of public meetings.
- Communicated with MDOT on setting an April meeting with the contaminated sites staff to further discuss field work.
- Finalized preparations with the Air Quality Protocol Task Force for an April 11th meeting.
- Met with MDOT to discuss the alternative structures for the border crossing and the construction schedule under various scenarios (design/bid/build or design/build).
- Prepared working paper on various construction approaches (design/bid/build versus design/build) and schedules.
- Met with MDOT to discuss the application of CommentWorks.
- Responded to Hotline calls.

- Responded to e-mail messages.
- Developed translations of the Web page in Arabic and Spanish.

B. Products

- Draft Memorandum of Understanding to advance cooperation with border crossing proponents.
- Notes of the scope verification meeting on threatened and endangered species and wetlands.
- PowerPoint presentation made to the Local Advisory Council to also be used at the public meetings.
- Input to media advisory on April public meetings.
- Paper on various construction approaches and schedules.
- Draft script of the video to be used at the April public meetings.
- Input to bi-weekly status report to MDOT management.

C. Task Evaluation

- The proposed Division of Engineering work presented to the Working Group at its February meeting is still under review.
- MDOT has decided that the Public Sector Advisory Group was essentially convened by the MDOT Director on February 27th and that another meeting will likely be held by the end of the year.
- The Public Agency Group of government technical representatives will be convened for the first time in April (26th or 27th).

D. Upcoming Plans

- Conduct the public meetings on April 11th through 14th.
- Participate in the April 11th Air Quality Task Force meeting.
- Participate in the Partnership Steering Committee meeting on April 13th.
- Participate in the Working Group meeting of April 27th.
- Conduct the Public Agency Group meeting on April 26th or 27th.
- Meet with MDOT to advance the scope verification on the contaminated sites work.
- Continue to monitor and respond to Hotline calls and e-mail delivered to the Web site.
- Decide how to apply the CommentWorks tracking system.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Met with the Modeling Task Force on March 16th to further discuss the modeling approach.

- Updated the modeling working paper, based upon input from SEMCOG and FHWA.
- Received SEMCOG's data for modeling purposes, except the supporting code.
- Asked permission from the Ambassador Bridge to count vehicles in order to determine the throughput of the bridge.
- Continued to update the international truck and auto trip tables.
- Continued to review and refine the model network.
- Continued preparation of the background paper on cross-border freight facilities, movements, and commodities for truck, rail, water and air modes.

B. Products

- Updated working paper on modeling approach.
- Notes from the Modeling Group meeting of March 16th.

C. Task Evaluation

- The production of early results on cross-border travel has been delayed by about a month in order to enhance the analysis and to cooperate with review agencies. However, no impacts are expected to the overall project schedule.
- Permission to count on the Ambassador Bridge to determine bridge throughput has been requested but the permission has not yet been granted.

D. Upcoming Plans

- Convene the Modeling Task Force on April 21, 2005.
- Begin updating the U.S. background traffic data from the SEMCOG model and from the MDOT statewide model.
- Continue defining the baseline 2005 traffic volumes for the Ambassador Bridge from data files supplied by MDOT and SEMCOG and from counts on the Ambassador Bridge, if permitted.
- Continue the development of a qualitative background paper on cross-border freight facilities, movements and commodities for truck, rail, water and air modes.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Receive from U.S. Fish and Wildlife a letter indicating that it would be a cooperating agency on the DRIC/EIS.

B. Products

- None as none required.

C. Task Evaluation

- FHWA is waiting until after the public meetings of April 11th through 14th before engaging the government agencies in the review of the Purpose and Need Statement and the Streamlining Agreement.

D. Upcoming Plans

- Assist FHWA and MDOT in dissemination of the draft Purpose and Need Statement and Streamlining Agreement.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- Began application of QUANTM.
- Refined the GIS database by field inventories for further input to QUANTM.
- Continued to collaborate with the Canadian team to review the level of engineering to be performed on the border crossing structure (tunnel or bridge) by each team.
- Participated in the continued development of the Illustrative Alternatives Evaluation paper.
- Met on March 8th to discuss tunneling issues for border crossing alternatives.
- Met with border crossing operations personnel on March 16th to discuss issues that affect travel demand modeling and plaza sizing.
- Prepared preliminary functional analysis of U.S. plaza.

B. Products

- An updated paper dealing with the Illustrative Alternatives Evaluation, including detailed performance measures.
- An updated paper on tunneling issues.
- Draft paper on plaza requirements.

C. Task Evaluation

- The paper on the Illustrative Alternatives Evaluation has been revised based upon Working Group input. It will now be submitted to the Steering Committee for approval and then subsequent application.

- The tunnel issue will need to be reconciled with the soon-to-be-released position of the Canadian team.

D. Upcoming Plans

- Continue application of QUANTM to real-world conditions on the U.S. side of the border.
- Produce preliminary QUANTM runs for Working Group review at its April 27th meeting.
- Participate in the second QUANTM training session (April 12th through 15th).
- Submit the design criteria to MDOT for review and approval and then incorporation in QUANTM.
- Determine the tunnel crossing implications based on the geotechnical information developed by the Canadian team.
- Convene a meeting with appropriate Michigan environmental agencies to determine the implications of a sunken tunnel in the Detroit River.
- Define, preliminarily, the plaza functions and size requirements.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- Awaited FHWA’s approval to take the next steps to engage various governmental agencies in reviewing the Purpose and Need Statement and the Streamlining Agreement.

B. Products

- None as none required.

C. Task Evaluation

- FHWA has indicated that engaging governments in early scoping will occur following the April 11th-14th public meetings.

D. Upcoming Plans

- Meet, as appropriate, with MDOT/FHWA and other governmental agencies in advancing the Purpose and Need Statement and the Streamlining Agreement.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Continued assembling GIS information and conducting preliminary work in the following areas:

- ✓ Threatened and Endangered Species
 - Participated in March 18th meeting to define performance measures by which to evaluate Illustrative Alternatives.
 - Attended March 24th scope verification meeting with MDOT.
 - Continued conducting information research, literature review.
 - Developed base maps and aerials for use in field assessments.
- ✓ Coastal Zone Management
 - Participated in March 18th meeting to define performance measures by which to evaluate Illustrative Alternatives.
 - Attended March 24th scope verification meeting with MDOT.
 - Continued conducting information research, literature review.
 - Developed base maps and aerials for use in field assessments.
- ✓ Cultural Resources
 - Completed gathering information on recorded archaeological and historic sites in the project area.
 - Started developing historic contexts for the project to establish the framework of historic resources evaluation.
- ✓ Agriculture
 - Continue GIS mapping.
- ✓ Air Quality
 - Prepared for April meeting to reactivate Air Quality Protocol Task Force.
- ✓ Flooding/Water Quality
 - Participated in March 18th meeting to define performance measures by which to evaluate Illustrative Alternatives.
 - Attended March 24th scope verification meeting with MDOT.
 - Continued conducting information research, literature review.
 - Developed base maps and aerials for use in field assessments.
- ✓ Recreational Uses
 - Continued GIS mapping.
- ✓ Community Impact Assessment
 - Continued field work of key facilities.
 - Developed Census data by tract.
 - Began assembling list of those individuals/groups to be interviewed.
- ✓ Title VI Issues

- Analyzed Census data by three study-area subzones and by Census tract.
- Presented preliminary information to Core Team and determined additional review of “comparison area” (Detroit Urbanized Area of SEMCOG region) was needed.
- ✓ Wetland Delineation/Assessment
 - Participated in March 18th meeting to define performance measures by which to evaluate Illustrative Alternatives.
 - Attended March 24th scope verification meeting with MDOT.
 - Continued conducting information research, literature review.
 - Developed base maps and aerials for use in field assessments.

B. Products

- Additional field work to update GIS.
- Complete list of recorded archaeological and historic sites.
- Census data by study sub-area defining key populations.

C. Task Evaluation

- Additional discussion of “comparison area” (Detroit Urbanized Area or SEMCOG Region) is needed to advance work on Title VI and EJ issues.
- Resolved with FHWA/MDOT that U.S. T & E Species Act does not extend to Canada.

D. Upcoming Plans

- Conclude field work to refine GIS.
- Advance data development, largely through QUANTM, to begin evaluation of alternatives.
- Arrange for field review with MDOT and SHPO on cultural resource issues.
- Prepare preliminary evaluation for deeply-buried archaeological sites.
- Provide MDOT detailed T & E schedule.
- Coordinate T & E field work with Canadian Team.
- Participate, as appropriate, in early scoping among government agencies.
- Continue field work and literature search.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- Continued ORTHO production of the existing photography of the current study area.

- Discussed the extent of new flight and new ORTHOs needed to complete coverage of the project area.

B. Products

- A preliminary memorandum developed internally to be submitted to MDOT with respect to additional work/costs necessary to fly and produce ORTHO photos of the missing coverage of the study area.

C. Task Evaluation

- Existing data will be needed to be purchased from Wayne County and new data generated in order to have seamless ORTHO-photo coverage of the project area, especially in the central corridor.

D. Upcoming Plans

- Complete ORTHO production of the existing photography of the current study area.
- Present plan to MDOT on covering the missing portion of the study area.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Completed data acquisition.
- Continued cost estimate phase of work.
- Review updated report (prepared by Parsons from NTH’s original work) on the evaluation of tunneling the Detroit River.

B. Products

- Comments on updated tunnel report.

C. Task Evaluation

- The Canadian Team, with the U.S. Team’s geotechnical report available, has developed a similar analysis of tunneling the Detroit River. It is to be delivered in April. Reconciliation of differences will then take place.

D. Upcoming Plans

- Review Canadian Team’s geotechnical report.

- Continue cost estimate phase.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Work in this task has not been initiated.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Continued assembling data to assist in the analysis of Illustrative Alternatives.

B. Products

- None, as none required.

C. Task Evaluation

- Work is proceeding according to schedule.

D. Upcoming Plans

- Continue preliminary records search.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Determined the area to be flown and mapped for evaluating Illustrative Alternatives and developing Practical Alternatives.

B. Products

- None required at this time.

C. Task Evaluation

- Identification of areas not covered by the previous flight may lead to a supplemental agreement. This information will be submitted to MDOT in April.

D. Upcoming Plans

- Submit a proposal to MDOT to define whether additional mapping should occur for the central area to complete coverage of the study area.

TASK 19 (3320) – CONTROL SURVEY FOR AERIALS

A. Work Progress

- Work has not been initiated on this task.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Work in this task has not been initiated.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Work in this task has not been initiated.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

The first round of public meetings has been moved to mid-April from late March based upon the different “spring breaks” affecting the constituencies in the project area. This will have no impact on the overall project schedule.

E. ITEMS NEEDED FROM MDOT

- Review by the Partnership Steering Committee and approval of the Illustrative Alternatives Evaluation Methodology.
- Review and action by the Working Group and Steering Committee on a proposed Memorandum of Understanding to further cooperation with the various proponents of the border crossing.
- Review by the Working Group of the division of engineering work of the border crossing facilities.
- Construction plans for the Gateway Project at the Ambassador Bridge.
- Information collected on plaza requirements and plaza locations during the Blue Water Bridge study.
- As-built plans for M-39 from M-85 to US 12 in Wayne County.
- I-75 from Gibraltar Road to Clay Street in Wayne County.
- I-375 in Downtown Detroit.
- US 24 from Van Horn to US 12.
- US 24 connector from US 24 to I-75.
- I-275 from Willow Road to US 12.
- M-85 from King Road to Oakland Boulevard.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended the following meetings on:
 - ✓ March 16th with the Modeling Task Force.
 - ✓ March 17th with the border processing agencies.
 - ✓ March 22nd and 23rd with border crossing proponents.
 - ✓ March 24th for the threatened and endangered species and wetlands scope verifications with MDOT.
 - ✓ March 28th with MDOT on the various border crossing structures and construction techniques.
 - ✓ March 30th with the Partnership Working Group.
 - ✓ March 30th with the Local Advisory Council.
- Daily contact by phone and e-mail with the MDOT Project Manager.

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G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
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¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

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 - ✓ March 28th with MDOT on the various border crossing structures and construction techniques.
 - ✓ March 30th with the Partnership Working Group.
 - ✓ March 30th with the Local Advisory Council.

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May 13, 2005

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

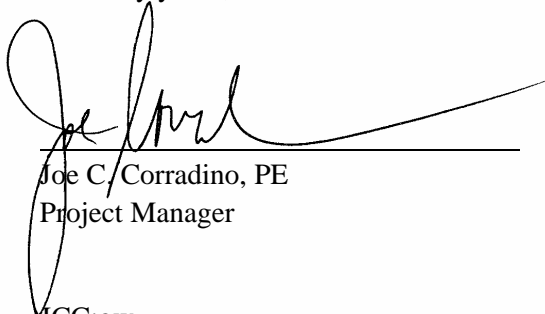
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 4 Progress Report

Dear Mohammed:

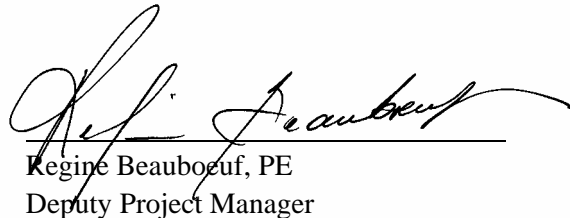
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 4 for April 2005. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboef, PE
Deputy Project Manager

JCC:gw
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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
APRIL 1 THROUGH APRIL 30, 2005**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Attended the April 5th and April 6th Canadian public information open houses in Windsor and LaSalle, respectively.
- Conducted the U.S. public meetings on April 11th through 14th.
- Postponed indefinitely the April 11th air quality task force meeting.
- Participated in the Working Group meeting in advance of the Steering Committee meeting on April 12th.
- Participated in the Partnership Steering Committee meeting on April 13th.
- Met in Washington with Department of Homeland Security representative Doug Doan on April 19th.
- Attended a speech given by Premier McGuinty in Washington on April 19th.
- Met with Customs and Border Protection representatives on April 21st.
- Participated in the Working Group meeting of April 27th.
- Conducted the U.S. Public Agency Group meeting on April 27th.
- Participated in the April 27th Local Advisory Council meeting.
- Met with the Detroit International Bridge Company representatives on April 28th.
- Continued to monitor and respond to hot line calls and e-mail delivered to the MDOT Web site.
- Coordinated with the Canadian team to determine the applicability of CommentWorks tracking system.
- Monitored the developments of the April 15th meeting of the 25 Percent Challenge Task Force.

B. Products

- Materials for handout and presentation graphics to conduct the April 11th to 14th U.S. public meetings.
- Draft notes of the comments made at the public meetings of April 11th through April 14th.
- Draft letter of “thanks” to attendees of the April 11th through April 14th public meetings.
- Agenda and support materials for the April 12th Working Group Meeting.
- Agenda and support materials for the April 13th Steering Committee meeting.
- Responses in writing to e-mail comments in April (15 in number).
- Responses to comments to the telephone hot line in April (20 in number).
- Agenda and support materials for the April 27th Working Group meeting.
- Agenda and support materials for the April 27th Local Agency Group meeting.
- Agenda and support materials for the April 27th Local Advisory Council meeting.

C. Task Evaluation

- At the LAC meeting of April 27th, a request was made to consider using Robert’s Rules of Order and electing a chairperson from LAC members to conduct future LAC meetings. These issues must be addressed by MDOT before the next LAC meeting.
- Several members of the Local Advisory Council are interested in obtaining the names of all LAC members for direct communication with them. This matter was addressed with a show of hands at a lightly-attended meeting of LAC members on April 27th. It will now be necessary to canvass all LAC members to determine if they choose to allow their names and addresses (e-mail and U.S. mail) to be released to other LAC members.
- At the LAC meeting of April 27th, there was criticism of the lack of detail in the notes taken for the March LAC meeting and there was even more criticism of the notes taken of the April 11th public meeting in Wyandotte. These April 11th public meeting notes were found by the consultant to be faulty in that a piece of the dictation was lost, eliminating the comments of four speakers. This matter has been addressed and the revised/complete notes are now on the project Web site.
- It is noteworthy that almost all of the observers at the April 27th LAC meeting were from Riverview.
- The Air Quality Task Force meeting that was postponed from April 11th may not be needed as the individual analysis procedures are reviewed and go forward.

- The lack of participation by high-ranked members of the U.S. Customs and Border Protection Agency organization is a matter of significant concern. This may be rectified by a meeting on May 12th in Indianapolis.

D. Upcoming Plans

- Conduct on May 12th in Indianapolis a meeting of the U.S. Customs and Border Protection Agency.
- Conduct on May 18th an informal scoping of U.S. agencies at the federal and state levels.
- Meet with the Partnership Working Group on May 26th and the Partnership Steering Committee on May 27th to address the definition of Illustrative Alternatives and prepare for public roll-out of the information at meetings in June.
- Prepare to attend the public meetings on the Illustrative Alternatives on the Canadian side of the border during the week of June 20th.
- Prepare to conduct the public meetings on the Illustrative Alternatives during the week of June 27th on the U.S. side.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Met with the Modeling Task Force on May 20th to discuss the updated modeling results.
- Update the Modeling working paper based upon input received earlier from the Model Task Force members.
- Continued to request from the Ambassador Bridge the right to count vehicles in order to determine the throughput of the bridge. Meet with the Bridge representatives as early as possible.
- Continued to review and refine the modeling traffic network.
- Continued preparation of a background paper on cross-border rates, facilities, movements and commodities for truck, rail, water and air modes.

B. Products

- Updated and refined the networks to be used once the cross-border traffic modeling update is concluded.
- Working paper on the advances in the modeling between the March 16th and April 21st Task Force meetings.
- Comments on the documents and approaches to the modeling from Ali Mekky of the Ministry of Transport in Ontario.

C. Task Evaluation

- The work on the cross-border traffic by mode by year has made extensive strides to reconsider the conclusions of the Planning/Needs and Feasibility Study. It is likely that that work will conclude in May, then allowing network analyses to be undertaken on both sides of the river.
- Criticisms by Ali Mekky of the modeling to date need to be addressed such that his concerns are totally addressed.
- A decision needs to be made on the point in time at which land-use changes being contemplated by SEMCOG will affect the input data to the overall modeling process. This is important because preliminary indications are that the new population and employment data are trending to a much lower/much less aggressive population and employment forecast than previously contemplated (by almost two-thirds).
- The Detroit International Bridge Company pledged cooperation in review of its traffic data with the assumption that both sides would share its modeling data. The Partnership intends to engage DIBC in this regard.

D. Upcoming Plans

- Convene the Modeling Task Force on May 20th to finalize the cross-border forecasting.
- Continue updating the background paper on cross-border freight facilities movements and commodities for truck, rail, water and air modes.
- Continue to define the 2005 traffic volumes for the Ambassador Bridge including working with the Ambassador Bridge on May 19th as a result of the pledge of cooperation for the study.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Assisted FHWA and MDOT in preparing for the May 18th agency meeting.

B. Products

- None as none required.

C. Task Evaluation

- The meeting conducted on May 18th will allow adequate time for the draft scoping document to be assembled and distributed in advance of an August target for the formal scoping meeting.

D. Upcoming Plans

- Assist FHWA and MDOT in dissemination of the draft Purpose and Need Statement and Streamlining Agreement.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- Met with the Working Group and the Steering Committee to discuss the approach to plazas and tunnels.
- Received preliminary response from the Working Group and the Steering Committee on those locations where the tunnel and/or bridge concepts are viable and those locations where they are not.
- Received input to the draft evaluation approach for Illustrative Alternatives from the Steering Committee. Issues of regional, national and international economic and transportation (freight flow) importance are essential to the Steering Committee’s final adoption of a Preferred Alternative.
- Updated the working paper on evaluation of Illustrative Alternatives consistent with the Steering Committee guidance.
- Participated in second round of QUANTM training (April 12-15).
- Began, in cooperation with the Canadian team, the definition of Illustrative Alternatives. The approach to using QUANTM and the definition of “avoid” areas is different on each side of the river.
- Provided to MDOT a list of design criteria for final review at a May 3rd meeting.
- Contacted the Corps of Engineers and Michigan Department of Environmental Quality to receive informal guidance on the ability to place a “submerged” tunnel in the Detroit River. Response from that has allowed the special consultant (Wetland and Coastal Resources) to provide an opinion that a submerged tunnel anywhere in the Detroit River area is not a feasible and prudent alternative consistent with the FHWA definition of these terms.
- Updated the draft Plaza Requirements paper.
- Participated in a meeting on plaza issues in April 21st meeting with Customs and Border Security Agencies.

- Began developing conceptual connections of Illustrative route alignments to freeways and plaza.

B. Products

- Updated draft Illustrative Alternatives Evaluation paper.
- Updated paper on tunneling issues.
- Updated paper on plaza requirements.
- Conceptual connections to freeways and plazas.

C. Task Evaluation

- The QUANTM analysis between the U.S. and Canadian teams by establishing “avoid” areas indicates a significantly different approach. This issue was aired with the Working Group on April 27th. It was determined that each side would use its own approach with the expectation that the coordination between both teams would lead to similar conclusions, regardless of the different approaches. It was stressed by MDOT during the meeting that the Canadian team would conduct its analysis only on the Canadian side of the river and the U.S. team would likewise stay on the U.S. side of the river. Coordination between these two groups would then reconcile the way (bridge/tunnel) and locations to cross the border.
- An April 21st meeting with Customs and Border Protection Agency representatives indicates that the core Customs area required of those functions on the Canadian side of the border would be 25 acres to 30 acres. Based on that input, and others, the plaza experts on the Canadian and U.S. teams have defined an 80- to 100-acre plaza to be located and analyzed in the Illustrative Alternatives phase.
- The meeting with Customs and Border Protection Agency representatives also provided input that plazas will be required on each side of the border in any situation. Nevertheless, if there needs to be a joint plaza, the potential of the plaza sites on each side of the border to expand to 100+ acres will be assessed in the evaluation process.
- The caution by the Steering Committee made it clear that all involved, particularly the public, are to understand that regional, national and international items of significance (i.e., economics and transportation (freight flow)) will be overriding issues in selecting a final alternative.

D. Upcoming Plans

- Meet with MDOT on May 3rd to review design criteria.
- Continue application of QUANTM and coordinate that activity with the Canadian team on a regular basis.
- Develop prototype connections to freeways and plazas.
- Prepare a draft support of the Illustrative Alternatives by the end of May.
- Prepare a set of graphics that define the Illustrative Alternatives for Working Group (5/26) and Steering Committee (5/27) meetings review.
- Meet on May 12th with U.S. Customs and Border Patrol representatives to ensure the adequacy of the plaza definition.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- Began early preparation of the scoping document which will increase in more detail as the Illustrative Alternatives are formed.

B. Products

- None as none required.

C. Task Evaluation

- FHWA/MDOT will now convene an informal scoping meeting on May 18th with a number of U.S. and federal agencies.

D. Upcoming Plans

- Assist MDOT and FHWA in the May 18th review of the Purpose and Need and the Streamlining Agreement.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES**A. Work Progress**

- Continued assembling GIS information and conducting preliminary work in the following areas:
 - ✓ Threatened and Endangered Species
 - Discussed with state and federal agencies the permissibility of various tunnels.
 - Continued field research.
 - Continued literature search.
 - Developed additional base mapping.
 - ✓ Coastal Zone Management
 - Discussed with state and federal agencies the permissibility of various tunnels.
 - Developed additional base mapping.
 - Continued field research.
 - ✓ Cultural Resources
 - Expanded the project area to include the area south of Sibley Road to just north of Rockwood. The work for this area included gathering information on recorded archaeological and historical sites. This included research at the Michigan State Historic Preservation Office and City of Detroit Planning and Development Department.
 - Gathered National Register of Historic Places information on the Grosse Ile Municipal Airport. The site was considered provisionally eligible in 1991. This information was submitted to the project team.
 - Started the process for the development of historic contexts for the project. These are necessary in order to have a framework for the evaluation of historic resources.
 - ✓ Agriculture
 - Completed GIS mapping.
 - ✓ Air Quality
 - Requested appropriate asthma data from the Department of Community Health through MDOT.
 - ✓ Flooding/Water Quality
 - Developed additional base mapping.
 - Continued field research.
 - Continued literature search.
 - ✓ Recreational Uses
 - Continued GIS mapping.
 - ✓ Community Impact Assessment

- Continued field verification of community facilities.
- Expanded area of field verifications.
- ✓ Title VI Issues
 - Refined analysis of protected groups (EJ and Title VI).
 - Developed graphics and GIS for input to evaluation of Illustrative Alternatives.
- ✓ Wetland Delineation/Assessment
 - Obtained and reviewed new wetlands assessment methodology (at MDOT direction).
 - Continued field research.
 - Continued literature search.
 - Developed additional base mapping.

B. Products

- Additional field work to update GIS.
- Continued refinement of the archaeological and historic sites.
- Refinement of the Census data study area defining key (EJ and Title VI) populations.
- Wetland and Coastal Resource’s opinion that the environmental conditions associated with the submerged tunnel prevent it from being a feasible and prudent option.

C. Task Evaluation

- The continuing work, largely based on paper research, but including selective but limited field research, has been and will continue to be key to the development of the Illustrative Alternatives.
- There is a lack of GIS information for the area south of Grosse Ile extending to the west. A number of attempts have been made to secure the information from Wayne County without success. This will significantly limit the ability to be as refined in this southern area as with the rest of the study area in terms of defining and evaluating Illustrative Alternatives. This issue must be resolved by mid-May.
- The Grosse Ile airport as a plaza site has been rejected because a number of structures are considered eligible for the National Register.

D. Upcoming Plans

- Conclude field work to refine GIS.
- Receive from Wayne County permission to use additional GIS information in the area south and west of Belle Isle.

- Work with MDOT to determine the approach to moving forward on additional aerial photography.
- Prepare preliminary evaluation for deeply-buried archaeological sites.
- Determine the alternative approaches to define the location of deeply-buried salt mines.
- Continue to coordinate issues dealing with the effects of environmental conditions on tunnel issues with the Canadian team.
- Participate in the informal scoping event of May 18th.
- Submit preliminary information on the evaluation of the project area for deeply buried archaeological sites.
- Submit revised site list to include area south of Sibley Road.
- Determine the flight track/airspace issues of all airports in the region including the Windsor airport to determine their effects on the height of a new Detroit River bridge location.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- Completed production of existing ORTHO photography of the current study area.
- Press MDOT on the acceptance, or lack thereof, of additional aerial photography of portions of the study area that are currently missing.

B. Products

- Delivery to MDOT of a memorandum to conduct additional work necessary to fly and produce ORTHO photos of the missing coverage of the study area.
- Complete production of existing ORTHO photography of the current study area.

C. Task Evaluation

- Existing data need to be purchased from Wayne County and new data generated in order to have seamless ORTHO-photo coverage of the project area, especially in the central corridor and the southern corridor to the west of the I-75/Telegraph Road area.

D. Upcoming Plans

- Work with MDOT on getting coverage of the missing portion of the study area.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Reviewed the Canadian team’s geotechnical report. Developed conclusions dealing with all crossing types (tunnel and bridge) as they relate to the various crossing corridors in the study area.
- Prepared a summary and conclusions on the viability of various bridge and tunnel crossings.
- Developed through the Wetlands and Coastal Resources a determination that a submerged tunnel would not be a feasible and prudent alternative.

B. Products

- Completed Orthos

C. Task Evaluation

- Coordination/collaboration between the Canadian and U.S. geotechnical teams has led to a determination that a submerged tunnel is not viable in any corridor. Likewise, a bored tunnel in soft ground or rock would not be considered a viable alternative in the Grosse Ile and Fighting Island areas. A rock-bored tunnel is not considered viable in any corridor. The leaves only a soft ground bored tunnel in the Central, I-75/I-96, and East corridors. A bridge crossing is viable in every corridor.

D. Upcoming Plans

- Receive the review by Canadian and MDOT government technical specialists of the legitimacy of the conclusions by the U.S. and Canadian consultants with respect to issues dealing with tunnel locations.
- Advance a proposal to MDOT to address with more certainty than is currently proposed in the various scopes of work the location of salt mines on the U.S. and Canadian sides of the border affecting the Illustrative Alternatives area.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Work in this task has not been initiated.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Continued assembling data to assist in the analysis of Illustrative Alternatives.

B. Products

- None, as none required.

C. Task Evaluation

- Work is proceeding according to schedule.

D. Upcoming Plans

- Continue preliminary records search.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Offer the proposal to MDOT for additional aerial photography and topographic mapping so that complete definition of Illustrative Alternatives leading to Practical Alternatives could take place.

B. Products

- Proposal to MDOT for additional work.

C. Task Evaluation

- Work is awaited from MDOT on the potential additional work dealing with aerial photography and topographic mapping.

D. Upcoming Plans

- Proceed as appropriate based upon MDOT review of the change order.

TASK 19 (3320) – CONTROL SURVEY FOR AERIALS

A. Work Progress

- Work has not been initiated on this task.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Work in this task has not been initiated.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Work in this task has not been initiated.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

The first round of public meetings had been moved to mid-April from late March based upon the different “spring breaks” affecting the constituencies in the project area. This has had no impact on the overall project schedule.

E. ITEMS NEEDED FROM MDOT

- Review by the Partnership Working Group and Steering Committee of the Illustrative Alternatives to be reviewed at the end of May.
- Review by the Working Group of the Division of Engineering work of the border crossing facilities.
- Construction plans for the Gateway Project at the Ambassador Bridge and proposed facilities development for the Detroit River Tunnel Partnership proposal.
- As-built plans for:
 - ✓ M-39 from M-85 to US 12 in Wayne County.
 - ✓ I-75 from Gibraltar Road to Clay Street in Wayne County.
 - ✓ I-375 in Downtown Detroit.
 - ✓ US 12 from Van Horn to US 12.
 - ✓ US 24 from Van Horn to US 12.
 - ✓ US 24 connector from US 24 to I-75.
 - ✓ I-275 from Willow Road to US 12.
 - ✓ M-85 from King Road to Oakland Boulevard.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended the following meetings on:
 - ✓ April 5th and 6th on the Canadian public information open houses.
 - ✓ April 11th, 12, 13th and 14th in the public meetings for the U.S. side.
 - ✓ April 21st with the Modeling Group.
 - ✓ April 21st with Customs and Border Protection Agency representatives.
 - ✓ April 26th with the MDOT/FHWA Core Team.
 - ✓ April 27th with the Partnership Working Group.
 - ✓ April 27th with the Local Agency Group.
 - ✓ April 27th with the Local Advisory Council.
 - ✓ April 28th with Detroit International Bridge Company representatives.
- Daily contact by phone and e-mail with the MDOT Project Manager.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Context Sensitive Design 2
First week of July 2006	First week of July 2006	13 Community Impact Assessment 2
Fourth week of July 2006	Fourth week of July 2006	14 Engineering Concepts Report
First week of August 2006	First week of August 2006	15 Context Sensitive Design 3
Second week of August 2006	Second week of August 2006	16 Preliminary DEIS
Second week of October 2006	Second week of October 2006	17 Draft DEIS
Fourth week of November 2006	Fourth week of November 2006	18 Public Hearing Script/Video
Second week of December 2006	Second week of December 2006	19 FHWA Approved DEIS
Second week of January 2007	Second week of January 2007	20 DEIS Public Hearing
Second week of April 2007	Second week of April 2007	21 Public Hearing Comment Summary
Fourth week of July 2007	Fourth week of July 2007	22 Recommended Alternative
Fourth week of August 2007	Fourth week of August 2007	23 Final EIS
Fourth week of September 2007	Fourth week of September 2007	24 Final Engineering Report
Fourth week of November 2007	Fourth week of November 2007	25 MOU
Second week of December 2007	Second week of December 2007	26 Recommended Alternative Presentation
Fourth week of December 2007	Fourth week of December 2007	27 Access Justification Report
Fourth week of December 2007	Fourth week of December 2007	28 ROD

¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

H. CONTACT RECORDS

- Daily e-mail and conversations with MDOT.
- Monthly progress report.
- Three bi-weekly status reports.
- Meetings of:
 - ✓ April 5th and 6th on the Canadian public information open houses.
 - ✓ April 11th, 12, 13th and 14th in the public meetings for the U.S. side.
 - ✓ April 21st with the Modeling Group.
 - ✓ April 21st with the Customs and Border Protection Agency representatives.
 - ✓ April 26th with the U.S. Core Team.
 - ✓ April 27th with the Partnership Working Group.
 - ✓ April 27th with the Local Agency Group.
 - ✓ April 27th with the Local Advisory Council.
 - ✓ April 28th with Detroit International Bridge Company representatives.

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June 6, 2005

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

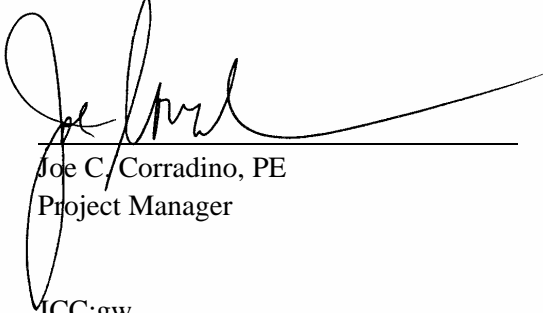
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 5 Progress Report

Dear Mohammed:

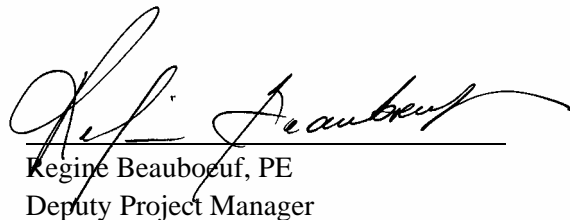
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 5 for May 2005. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
MAY 1 THROUGH MAY 31, 2005**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Met on May 12th in Indianapolis with U.S. Customs and Border Protection, MDOT and FHWA to discuss border crossing issues, particularly those related to plazas.
- Conducted on May 18th an informal scoping among U.S. agencies. Followed the meeting with a tour for those who wished to attend.
- Briefed the SEMCOG Executive Board on the border crossing study on May 20th.
- Met with the MDOT Core Team on May 24th to review the progress of the project and to discuss upcoming meetings with the Steering Committee, Working Group, Local Agency Group and Local Advisory Council.
- Met with the Partnership Working Group on May 26th and the Partnership Steering Committee on May 27th to address a number of issues including the definition of Illustrative Alternatives and the evaluation process to deal with Illustrative Alternatives.
- Conducted a tour of the Bi-National Transportation Border Working Group on May 31st and participated in a conference on June 1st.
- Prepared to conduct meetings on June 20th with the MDOT Core Team, the Local Agency Group, and the Local Advisory Council, on the Illustrative Alternatives.
- Prepared to conduct public meetings on the Illustrative Alternatives during the week of June 27th on the U.S. side (June 27th, 28th, 29th and 30th).
- Assisted in preparing a slide presentation for the Canadian/U.S. Border Transportation Partnership.
- Assisted in preparing a slide presentation for the MDOT Director for use with the Granholm Administration Cabinet.

- Assisted in preparing a slide presentation for use by the MDOT Director with various state agencies.
- Received a resolution from the Wayne County Board of Commissioners opposing a border crossing anywhere in the Downriver area (from West Grand Boulevard south to the Monroe County Line).
- Received resolutions from the Downriver Communities Council, the City of Trenton, Grosse Ile and Wyandotte opposing a border crossing in each area.
- Received a letter from Gateway Communities Development Collaborative and the Southwest Detroit Business Association supporting the DRIC Study process and requesting FHWA to postpone advancing/permitting a private proponent's border crossing proposal until the DRIC Study reaches an appropriate point to judge each proposal's worthiness.

B. Products

- Presentation materials for the following meetings:
 - ✓ May 12th with U.S. Customs and Border Protection.
 - ✓ May 18th with U.S. cooperating agencies.
 - ✓ May 24th with the MDOT Core Team.
 - ✓ May 25th with the Local Agency Group.
 - ✓ May 25th with the Local Advisory Council.
 - ✓ May 26th with the Partnership Working Group.
 - ✓ May 27th with the Partnership Steering Committee.
- Drafted notes for each meeting.
- PowerPoint presentations for: the May 18th U.S. cooperating agencies and meetings; the May 25th LAG meeting; the May 25th LAC meeting; the May 26th Working Group meeting; the May 27th Steering Committee meeting; the upcoming briefing of Governor Granholm's Cabinet; and, the upcoming briefing by MDOT Director Jeff of various state agencies.

C. Task Evaluation

- The meeting with U.S. Customs and Border Protection on May 12th provided a clear indication of that agency's role in the DRIC process. Specifically, CBP has its own decision-making process and cannot be, therefore, in a decision-making role inside the DRIC Study. Also, a plaza of 80+ acres was considered a good starting point.

- The interaction among U.S. cooperating agencies on May 18th was significant. It will lead to refinements in the Purpose and Need Statement as well as the Streamlining Agreement. It now appears that most, if not all, agencies will participate in a streamlining process.
- The U.S. cooperating agencies with permitting authority indicated on May 18th that they could not hold up/suspend their permitting processes while the DRIC Study is being completed. Nevertheless, they will turn to various local and state agencies that have permitting authority to ensure those permits are issued before the U.S. agencies will act.
- The U.S. State Department has indicated that the Ambassador Bridge does not need a Presidential Permit to create a new crossing, provided that they are legitimately the successor corporation to the original owner from which the bridge was bought, the American Transit Company. This condition results from a 1972 law passed by the U.S. Congress and applies to the Peace Bridge as well as the Blue Water Bridge.
- The meeting with the Partnership Working Group on May 26th surfaced a considerable difference in responding to *Detroit News* article/editorial about the traffic forecasts for the border crossing project and that there is no need to “hurry” in developing a new border crossing. Nevertheless, it was MDOT’s intention to move forward with a media piece that would deal with the issue of traffic forecasts as well as meet the requirement to establish all feasible and prudent alternatives in the early phase of the project.
- The Steering Committee meeting of May 27th produced significant concern that the staff and consultants on both sides of the border were “not listening” to the Steering Committee. Of particular concern was the paper dealing with the evaluation of Illustrative Alternatives. Further adjustments in that paper have been made.

D. Upcoming Plans

- Meet with the Canadian Automotive Partnership Council on June 2nd to overview the border crossing project.
- Brief the NBEST committee of the Detroit Regional Chamber of Commerce on June 14th.
- Assist, as appropriate, in developing slide presentations for upcoming meetings, including one with PPRB at MDOT on June 20th.
- Meet with the Local Agency Group and Local Advisory Council as well as the MDOT Core Team on June 20th to present the proposed Illustrative Alternatives.
- Prepare and place newspaper ads, and paid radio ads, to announce the June 27th to June 30th public meetings on Illustrative Alternatives. Send mailers to those that have signed up for previous public meetings and related groups that have shown an interest.

- Make final preparations based on the June 20th interaction among the LAC, the LAG and the Core Team for the June 27th to June 30th public meetings.
- Assist in the media roll-out in advance of the June 27th-30th public meetings.
- Submit a draft presentation on the border crossing project for use at the July 14th Missouri Valley Conference in Chicago.
- Send a letter to each local jurisdiction affected by the border crossing project describing the NEPA process and the definition of Illustrative Alternatives.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Participated in the Modeling Group meeting on May 25th.
- Cooperated with IBI on model development issues and modeling assumptions.
- Developed background U.S. domestic auto and truck trip tables from SEMCOG data to fit the DRIC/IBI model.
- Organized traffic count data for use in model verification.
- Integrated current SEMCOG highway networks (2005 and 2030) into the DRIC model, matching with the Michigan Statewide model and Canadian networks.
- Developed a preliminary TransCAD assignment script.
- Prepared test runs using the networks, trip tables and script referenced above.
- Began developing the script to implement the Sinclair/Detroit route choice model developed by IBI.

B. Products

- Two additional versions of the travel demand modeling report.

C. Task Evaluation

- The modeling work has produced significant results in well-written format by IBI. Nevertheless, the results were leaked to the *Detroit News*. The *Detroit News* article and editorial indicated that there should be no rush to build a new border crossing by government. MDOT intends to address this issue as well as the need for the NEPA process to define all feasible and prudent alternatives.
- The Detroit International Bridge Company pledged on April 28th extensive cooperation in review of traffic data with the assumption that both it and the Partnership would share information. The DIBC has not yet agreed to requests for a meeting date. Nevertheless, DIBC representatives advised the press that the border crossing project lacks credibility because of its traffic numbers.

D. Upcoming Plans

- Continue to pursue a meeting with DIBC to exchange and discuss traffic data.
- Complete validation and testing of the U.S. model.
- Begin testing Illustrative Alternatives.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Assisted MDOT and FHWA in the conduct of the May 18th cooperating agencies meeting. Prepared notes of the May 18th meeting and received comments from the U.S. Coast Guard to incorporate in the Streamlining Agreement.

B. Products

- Agenda and working documents plus PowerPoint presentation to assist in the conduct of the May 18th federal cooperating agencies meeting.

C. Task Evaluation

- The interaction among U.S. cooperating agencies on May 18th was significant. It will lead to refinements in the Purpose and Need Statement as well as the Streamlining Agreement. It now appears that most, if not all, agencies will participate in a streamlining process.

D. Upcoming Plans

- Assist FHWA and MDOT in revising the Purpose and Need Statement and Streamlining Agreement based on input (expected by June 3rd) from the U.S. cooperating agencies. Continue drafting the Purpose and Need Statement for the formal scoping meeting to be held in August.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- Met with MDOT on May 3rd to review the design criteria.
- Met with the U.S. Customs and Border Protection Agency representatives on May 12th to gauge the appropriate plaza locations and size. Plazas should be 80+ acres and as close to the river as possible.
- Met with MDOT and FHWA representatives on May 11th to review the application of QUANTM.

- Developed a set of QUANTM routes from the U.S. plazas to I-75. Developed documentation of the process to select plaza-to-freeway illustrative routings. Coordinated with URS Canada.
- Prepared graphics detailing plaza sites of Illustrative Alternatives.
- Prepared detailed interchange concepts to connect Illustrative Alternative routes at freeways.
- Eliminated submerged tunnel concept from Illustrative Alternatives development process.
- Prepared presentations for the Partnership Working Group (May 26th) and Partnership Steering Committee (May 27th) to review the Illustrative Alternatives.
- Began QUANTM runs to connect King Road, Pennsylvania Road, Southfield Road, Outer Drive and Schaefer Road beyond I-75 to I-94.

B. Products

- Draft paper defining the process to select Illustrative Alternatives and the resulting alignments, plazas and border crossings.
- Graphics detailing plaza locations.
- Detailed interchange concepts.
- PowerPoint presentation and supporting binders of graphics defining the proposed plaza areas on the U.S. side of the border as well as routes between the plazas and I-75.
- Updated paper on tunneling issues.
- Updated Illustrative Alternatives evaluation paper based on input from the Steering Committee highlighting the Steering Committee's purview to apply overriding economic and transportation (including freight) factors of regional, national and international significance in selecting the final set of alternatives at each phase of analysis.

C. Task Evaluation

- The results of the QUANTM analysis provided about a dozen-and-a-half freeway-to-plaza connections (15± plazas on the U.S. side).
- The QUANTM analysis produces reasonable results but its use in such a limited geographic extent (2 to 3 miles of plaza-to-freeway routing) requires significant understanding and tailoring of QUANTM to achieve practical output.
- A "lessons learned" session would be appropriate with QUANTM for review of the border crossing project (Corradino and URS teams) experiences in its application.
- The Steering Committee's frustration that it is not being listened to is being addressed by further refinements to the Illustrative Alternatives evaluation paper. The key issue is making it clear that the Steering Committee has the final say in the selection of alternatives at every level of analysis

based upon those overriding factors of regional, national and international significance from economic and transportation perspectives.

D. Upcoming Plans

- Extend several Illustrative Alternative alignments from I-75 to I-94 or I-275.
- Develop additional interchange concepts where Illustrative Alternative alignments connect to I-94 or I-275.
- Meet with the MDOT Core Team on June 20th to review the public presentation graphics/approach to presenting the Illustrative Alternatives.
- Begin the travel demand analysis of the alternatives so that an early “peek” of the different Illustrative Alternatives’ effects on traffic flow may be known by the public meetings of June 27th-30th.
- Provide to U.S. Customs and Border Protection Agency a listing of the plaza sites and their various characteristics and ask for a review of them as CBP indicated it would do on May 12th.
- Solicit Partnership Steering Committee response to the updated Illustrative Alternatives evaluation paper.
- Distribute the Illustrative Alternatives evaluation paper to the public at the June 27th-30th meetings and solicit their weightings on the seven evaluation factors.
- Meet with the public on June 27th-30th to receive input on the Illustrative Alternatives. Refine them based on public input, as appropriate.
- Meet with the Partnership Working Group on June 29th to review progress to date, including public reaction in both Canada and the U.S., to the Illustrative Alternatives.
- Begin the evaluation of Illustrative Alternatives consistent with the process laid out in the evaluation paper.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- Continued preparation of the scoping document including input provided by various U.S. cooperating agencies.

B. Products

- None as none required.

C. Task Evaluation

- Input to the Purpose and Need and finalizing the Illustrative Alternatives, to occur in June, will lead to the complete definition of the Purpose and Need for scoping purposes.

D. Upcoming Plans

- Prepare an updated Purpose and Need based upon input from the U.S. cooperating agencies. Used that information to prepare the scoping document and prepare for a mid-to-late August formal scoping meeting.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Continued assembling GIS information and conducting preliminary work in the following areas:

- ✓ Threatened and Endangered Species
 - Developed GIS wetlands and habitat shape files and maps. Prepared spreadsheet with habitat data.
 - Prepared for and conducted inland and over-water field surveys.
 - Continued literature search.
 - Began data preparation for evaluation of Illustrative Alternatives.
- ✓ Coastal Zone Management
 - Developed GIS shape files and maps.
 - Prepared for and conducted field surveys.
 - Continued field research.
 - Began data preparation for evaluation of Illustrative Alternatives.
- ✓ Cultural Resources
 - Gathered National Register of Historic Places information on the Detroit Produce Terminal and the Fort/Green Detroit Police Station.
 - Started the process to develop the historic contexts for the project. These are necessary in order to have a framework for the evaluation of historic resources.
- ✓ Agriculture
 - Base work is completed.
 - Began data preparation for evaluation of Illustrative Alternatives.
- ✓ Air Quality
 - Requested appropriate asthma data from the Department of Community Health through MDOT.
 - Began data preparation for evaluation of Illustrative Alternatives.
- ✓ Flooding/Water Quality
 - Developed GIS shape files and maps.
 - Continued field research.
 - Continued literature search.
 - Began data preparation for evaluation of Illustrative Alternatives.

- ✓ Recreational Uses
 - Began data preparation for evaluation of Illustrative Alternatives.
- ✓ Community Impact Assessment
 - Expanded area of field verifications to account for possible southern alternatives.
 - Began data preparation for evaluation of Illustrative Alternatives.
- ✓ Title VI Issues
 - Began data preparation for evaluation of Illustrative Alternatives.
- ✓ Wetland Delineation/Assessment
 - Reviewed new wetland assessment methodology per MDOT director.
 - Developed GIS wetland and habitat shape files and maps. Prepared spreadsheet with wetland data.
 - Prepared for and conducted inland and over-water field surveys.
 - Continued literature search.
 - Began data preparation for evaluation of Illustrative Alternatives.

B. Products

- Additional field work to update GIS and prepared spreadsheets.
- Prepared data for evaluation of Illustrative Alternatives.

C. Task Evaluation

- It is the opinion of the Michigan SHPO that the Detroit Produce Terminal is likely significant. The Fort/Green Detroit Police Station may be significant.
- There is a lack of GIS information for the area south of Grosse Ile extending to the west. A number of attempts have been made to secure the information from Wayne County without success. This limits the ability to be as refined in this southern area as with the rest of the study area in terms of defining and evaluating Illustrative Alternatives. This issue is being resolved.

D. Upcoming Plans

- Receive from Wayne County permission to use additional GIS information in the area south and west of Belle Isle.
- Work with MDOT to determine the approach to moving forward on additional aerial photography.

- Continue evaluation for deeply-buried archaeological sites.
- Continue research on report contexts for the project and prepare for the evaluation of Illustrative Alternatives.
- MDOT cultural resources staff will arrange a field view with SHPO staff. Tentative date of June 14 and 15 have been set.
- Continue field surveys for wetland and wetland functional assessments and GIS layers.
- Continue field surveys for T&E habitat and develop GIS layers.
- Continue field surveys for Coastal Zone issues.
- Continue field surveys of surface waters.
- Begin evaluation of Illustrative Alternatives.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- Continued DTM compilation.

B. Products

- DTM at 30 percent complete.

C. Task Evaluation

- Work is proceeding slower than expected.

D. Upcoming Plans

- Continue to 50 percent completion the DTM compilation.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Prepared, in cooperation with the Canadian team's geotechnical consultant, a proposed risk assessment scope to address brine well issues.
- Costed a submerged tunnel option.

B. Products

- Submerged tunnel cost estimate.
- Proposed scope on risk assessment of brine wells.

C. Task Evaluation

- The consultant team believes a detailed risk assessment needs to be undertaken to determine the effect of brine wells on border crossing foundations. A preliminary scope has been provided to the Partnership Working Group and Steering Committee to determine how this additional work (\$3 million to \$5 million) is to be addressed.

D. Upcoming Plans

- Advance the proposal to MDOT to address, with more certainty than is currently proposed in the various scopes of work, the location of brine wells on the U.S. and Canadian sides of the border affecting Illustrative Alternatives.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Work in this task has not been initiated.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Work in this task has not been initiated.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Compilation of DTM is continuing.

B. Products

- DTM completion at 30 percent.

C. Task Evaluation

- Work is proceeding slower than expected.

D. Upcoming Plans

- Advance DTM completion to 50 percent complete.

TASK 19 (3320) – CONTROL SURVEY FOR AERIALS

A. Work Progress

- Continued work on 50 check points.

B. Products

- Fifty check points 90 percent complete.

C. Task Evaluation

- Work is ahead of schedule.

D. Plans for Next Reporting Period

- Complete work on 50 check points.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Work in this task has not been initiated.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Work in this task has not been initiated.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

While a schedule adjustment is not necessary, a change order has been offered to provide additional aerial photography to enhance the analysis west of I-75 in the southern corridor (i.e., the Gross Ile area). Action on this proposal is important to maintaining the project schedule.

MDOT has also been notified that a significant change order needs to be considered to conduct a detailed risk analysis of the location of brine wells and their effects on the placement of piers for the final Practical Alternative bridges. A review by MDOT of the ability to formally submit such a change order is needed in June if the project schedule is to be maintained. Approved work will then be initiated in the fall and concluded in the winter allowing the Practical Alternatives to have considerable definition of the potential engineering/geotechnical risks.

E. ITEMS NEEDED FROM MDOT

- A review of the Illustrative Alternatives working paper revised as of May 29th.
- Review on the division of engineering work on the border crossing facilities.
- As-built plans for:
 - ✓ M-39 from M-85 to US 12 in Wayne County.
 - ✓ I-75 from Gibraltar Road to Clay Street in Wayne County.
 - ✓ I-375 in Downtown Detroit.
 - ✓ US 12 from Van Horn to US 12.
 - ✓ US 24 from Van Horn to US 12.
 - ✓ US 24 connector from US 24 to I-75.
 - ✓ I-275 from Willow Road to US 12.
 - ✓ M-85 from King Road to Oakland Boulevard.
- Processing of a change order dealing with additional aerial photography.
- Determination of whether a change order can be formally submitted on risk analysis dealing with location of brine wells.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended the following meetings on:
 - ✓ May 3rd with MDOT to determine the engineering criteria.
 - ✓ May 11th to review the preliminary QUANTM results.
 - ✓ May 12th meeting with the U.S. Customs and Border Protection Agency.
 - ✓ May 18th meeting with U.S. cooperating agencies.
 - ✓ May 24th meeting with the MDOT/FHWA Core Team.
 - ✓ May 25th meeting with the Local Agency Group.
 - ✓ May 25th meeting with the Local Advisory Council.
 - ✓ May 26th meeting with the Partnership Working Group.
 - ✓ May 27th meeting with the Partnership Steering Committee.
- Daily contact by phone and e-mail with the MDOT Project Manager.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Context Sensitive Design 2
First week of July 2006	First week of July 2006	13 Community Impact Assessment 2
Fourth week of July 2006	Fourth week of July 2006	14 Engineering Concepts Report
First week of August 2006	First week of August 2006	15 Context Sensitive Design 3
Second week of August 2006	Second week of August 2006	16 Preliminary DEIS
Second week of October 2006	Second week of October 2006	17 Draft DEIS
Fourth week of November 2006	Fourth week of November 2006	18 Public Hearing Script/Video
Second week of December 2006	Second week of December 2006	19 FHWA Approved DEIS
Second week of January 2007	Second week of January 2007	20 DEIS Public Hearing
Second week of April 2007	Second week of April 2007	21 Public Hearing Comment Summary
Fourth week of July 2007	Fourth week of July 2007	22 Recommended Alternative
Fourth week of August 2007	Fourth week of August 2007	23 Final EIS
Fourth week of September 2007	Fourth week of September 2007	24 Final Engineering Report
Fourth week of November 2007	Fourth week of November 2007	25 MOU
Second week of December 2007	Second week of December 2007	26 Recommended Alternative Presentation
Fourth week of December 2007	Fourth week of December 2007	27 Access Justification Report
Fourth week of December 2007	Fourth week of December 2007	28 ROD

¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

H. CONTACT RECORDS

- Daily e-mail and conversations with MDOT.
- Monthly progress report.
- Three bi-weekly status reports.
- Meetings of:
 - ✓ May 3rd with MDOT to determine the engineering criteria.
 - ✓ May 11th to review the preliminary QUANTM results.
 - ✓ May 12th meeting with the U.S. Customs and Border Protection Agency.
 - ✓ May 18th meeting with U.S. cooperating agencies.
 - ✓ May 24th meeting with the MDOT/FHWA Core Team.
 - ✓ May 25th meeting with the Local Agency Group.
 - ✓ May 25th meeting with the Local Advisory Council.
 - ✓ May 26th meeting with the Partnership Working Group.
 - ✓ May 27th meeting with the Partnership Steering Committee.

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July 12, 2005

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

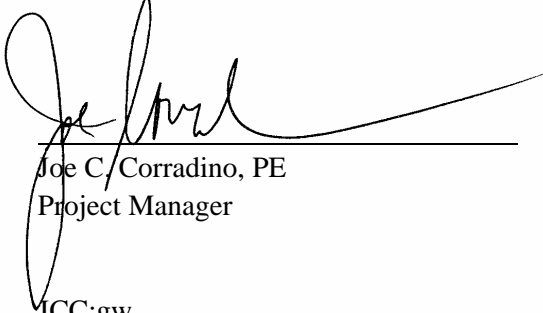
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 6 Progress Report

Dear Mohammed:

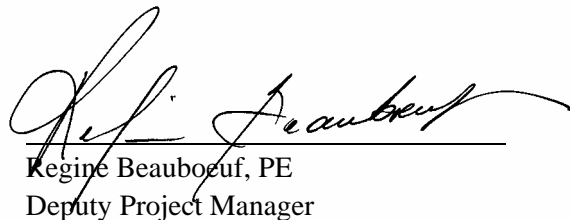
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 6 for June 2005. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
I:\Projects\3600\WP\ProgRpt\PR6.doc
Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
JUNE 1 THROUGH JUNE 30, 2005**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Submitted on June 1st to the Department of Homeland Security/Customs and Border Protection Agency the list of plazas for their review.
- Briefed the Canadian Automotive Partnership Council on June 2nd.
- Briefed the NBEST Committee of the Detroit Regional Chamber of Commerce on June 14th.
- Briefed State agencies on June 17th.
- Assisted in preparing a presentation for the MDOT PPRB on June 20th. Attended the meeting.
- Met with the Local Agency Group and Local Advisory Council as well as the MDOT Core Team on June 20th to present the proposed Illustrative Alternatives.
- Prepared and placed newspaper ads and paid radio ads to announce the June 27th to June 30th public meetings on the proposed Illustrative Alternatives.
- Sent mailers to those who signed up for the previous public meetings and groups that have shown an interest in the project.
- Sent a letter to each local jurisdiction affected by the Border Crossing Project describing the NEPA process and the definition of Illustrative Alternatives.
- Reviewed the Canadian air quality analysis and made comments as it reflects on dispersion analysis/concentrations and their points of location.
- Received another resolution against the project, this one from the City of Trenton.
- Responded to a *News Herald* article that specifically stated that Joe Corradino acknowledged he works for the Moroun interests.
- Scheduled meeting on July 7th with U.S. Steel to review the Illustrative Alternatives plaza locations (2) on their site.

- Conducted the public meetings on the proposed Illustrative Alternatives on June 27th, 28th, 29th, and 30th.

	East Detroit	Southwest Detroit	Ecorse River Rouge	Downriver	
	June 27 th	June 28 th	June 29 th	June 30 th	TOTAL
Attendance	32	183	45	1,200	1,460
Speakers	5	34	13	60	112
Comment Forms	3	19	7	120	149
CommentWorks	3	2	0	1	6
Evaluation Forms	4	7	5	99	115

- Met with the Working Group on June 29th to review the progress to date.
- Assisted in preparation of a paper in response to the Steering Committee’s request for alternative approaches to continued acceleration of the project.
- Received word that BASF would like to meet to further discuss the Illustrative Alternatives in the Downriver area. Will schedule a meeting for early to mid-July.
- Met with the Canadian consulting team to review the approach to applying the evaluation methodology on both sides of the border.
- Prepared a draft scope of services for additional work to conduct a risk analysis of the location of brine wells and potential mitigation if brine wells are to be affected by the Practical Alternatives.
- Responded to e-mail on the project to the Web site (fewer than 10).
- Responded to telephone hotline calls on the project (fewer than 10).
- Assisted in drafting a letter to the editor of the *Detroit News* in response to its newspaper article of May indicating that government should “stand down” while the private sector addresses the border crossing needs because the demand is not evident.

B. Products

- Presentation materials for:
 - ✓ June 2nd meeting with the Canadian Automotive Partnership Council.
 - ✓ NBEST Committee of the Detroit Regional Chamber of Commerce on June 14th.
 - ✓ June 20th meeting of MDOT’s Project and Program Review Board.
 - ✓ Review/discussion with the Local Agency Group on June 20th.
 - ✓ Review/discussion of Illustrative Alternatives with the Local Advisory Council on June 20th.
 - ✓ Public meetings of June 27th through 30th.
 - ✓ The Working Group meeting on June 29th.
- Paid radio ads announcing the June 27th-30th public meetings.

- Letters to each local jurisdiction that passed a resolution against a border crossing in their community describing the NEPA process and the definition of Illustrative Alternatives.
- E-mail to the editor of the *News Herald* requesting a correction to the contention that Joe Corradino is a consultant to the Moroun interests.
- Draft scope of work for a risk analysis associated with the possible engagement of a border crossing with brine wells.
- Responses to e-mail received through the Web site.
- Responses to telephone hotline calls.
- Draft version of a paper to accelerate the DRIC process (including design, acquisition and construction) in response to the Steering Committee request.
- Materials submitted to DHS/CBP.
- Draft letter to the editor of the *Detroit News* in response to the May 22nd article on the border crossing project.

C. Task Evaluation

- The meeting with the MDOT's PPRB allowed for discussion of progress to date as well as a potential change in scope to deal with a number of issues, particularly additional geotechnical risk analysis/work associated with potentially engaging brine wells in locating a border crossing.
- The *News Herald's* newspaper article indicating that Joe Corradino works for the Moroun interests has created problems in the Downriver area. A correction was published by the *News Herald* on July 3rd.
- Concern/confusion still exists among a number of parties at all levels of the project on the application of the evaluation methodology. A "test" application will be conducted for presentation at the July 27th Working Group meeting in an attempt to resolve this issue.
- Attendance at the June 27th and 29th public meetings was very low (about three dozen people at each meeting). Attendance at the June 28th meeting was in the neighborhood of 180, largely because a local resident distributed a flyer indicating that "MDOT would take your home." The attendance at the Downriver public meeting was approximately 1,200 people.
- The extensive attendance at at least one public meeting and LAC meeting has required preparation for all meetings with a huge amount of logistics support. This, in turn, will be addressed in an upcoming change order. It includes the use of paid radio ads which cost in June approximately \$35,000.

D. Upcoming Plans

- Produce notes of the June 27th, 28th, 29th and 30th public meetings.
- Meet with U.S. Steel on July 7th.
- Begin application of the Illustrative Alternatives evaluation process.
 - ✓ Prepare “test” application for presentation to the Partnership Working Group on July 27th.
 - ✓ Produce preliminary plaza data by July 15th.
 - ✓ Produce preliminary interchange data by July 22nd.
 - ✓ Produce preliminary route/alignment data by August 8th.
- Continued coordinating with the Canadian consulting team in the application of the Illustrative Alternatives evaluation process.
- Meet with the MDOT Core Team on July 19th.
- Meet with the Local Agency Group on July 20th.
- Meet with the Local Advisory Council on July 20th.
- Continue to meet/engage with the public as it seeks additional information on the DRIC process.
- Meet with the Partnership Working Group on July 27th.
- Meet with BASF in July.
- Update, as appropriate, the Illustrative Alternatives based on public input.
- Submit a formal proposed change order to MDOT including activities associated with the public engagement process.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Prepared network and began validating the U.S. traffic assignment model.
 - ✓ Completed TransCAD GISDK scripts for applying Route Choice model and traffic assignment model.
- Continued to update the Working Paper on the Travel Demand Analysis based on comments.
- Began preparation for the next Modeling Group which has been shifted to August 3rd.
- Participated in teleconference on June 15th with the Detroit International Bridge Company on the travel analysis process.

B. Products

- Internal update of the Travel Demand Working Paper.
- Coded U.S. highway network.

C. Task Evaluation

- Available traffic count data to validate the travel demand model on the U.S. side of the border is spotty. This is due to the continuing construction associated with the “Preserved First Program” of MDOT which has caused virtually continuous reconstruction on I-75, I-96 and I-94 in the Detroit area. Nevertheless, the best information available is being used to validate the travel demand model.
- Validation is moving slower than expected. Counts and model-built trip tables do not show the same balance of traffic to/from Canada and by crossing.
- The coordination with the Ambassador Bridge Company continues. DIBC representatives indicate that they will provide additional information as it is available. They also indicated that they will engage two or three consultants to do their own analysis of travel demand.
- DIBC has submitted an application for a companion span to the Ambassador Bridge indicating that travel demand indicates a second span is needed.

D. Upcoming Plans

- Code the Illustrative Alternatives and produce preliminary travel data by mid-July.
- Update the travel demand report and disseminate it.
- Prepare for the August 3rd Modeling Working Group meeting.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Drafted and revised the Purpose and Need Statement based upon input from FHWA, MDOT and federal cooperating agencies.
- Drafted and updated the Streamlining Agreement based upon input from FHWA, MDOT and the federal cooperating agencies.

B. Products

- Updated Purpose and Need Statement which has been incorporated into the draft scoping document.
- Updated Streamlining Agreement.

C. Task Evaluation

- The Streamlining Agreement has been modified to include only federal review agencies exclusive of the U.S. Department of Agriculture.

- The Purpose and Need Statement has been modified to reflect the U.S. State Department’s interest in comments dealing with “protecting the homeland.”

D. Upcoming Plans

- Review and finalize updated project Purpose Statement.
- Review and finalize the Streamlining Agreement.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- Provided to DHS/Customs and Border Protection Agency information on the proposed plaza sites and their various characteristics.
- Refined the Illustrative Alternatives so that a number connect I-75 to I-94 or I-75 to I-275.
- Developed refined I-75 interchange concepts where the Illustrative Alternative alignments connect to I-94 or to I-275.
- Met with the MDOT Core Team, the Local Agency Group, and the Local Advisory Council to review the preliminary Illustrative Alternatives prior to their presentation to the public during the Week of July 27th.
- Met with the public on June 27th through 30th to receive input on the Illustrative Alternatives.
- Met with the Partnership Working Group on June 29th to review the project’s progress including public reaction in both the U.S. and Canada to the preliminary Illustrative Alternatives.
- Met with URS to begin discussing the application of the evaluation methodology to the Illustrative Alternatives.
- Conducted a “lessons learned” discussion among URS, QUANTM and Corradino to take advantage of the recent experience in applying QUANTM.
- Prepared typical roadway cross sections.
- Prepared an internal draft of a paper to address operational and traffic needs of major structures over or under the river to support a cross section. The paper is to be finalized once Practical Alternatives are selected.
- Begin developing criteria to establish the length of bridge spans at crossing locations for evaluation purposes and coordination with the U.S. Coast Guard and Corps of Engineers.

B. Products

- Updated evaluation paper and scoring form for use with the Local Advisory Council and in public meetings.

- Receipt of over 100 completed evaluation forms.
- Graphics detailing the interchange locations.
- Graphics of navigation channel and documented brine wells to establish span lengths and pier locations of proposed bridge crossing.
- Material to present the Illustrative Alternatives to the Local Advisory Council, the Local Agency Group, and the public.
- Draft internal paper to determine cross-section of crossing.

C. Task Evaluation

- Considerable confusion still exists on the application of the evaluation methodology to the Illustrative Alternatives. A “test” application will be made so that the results can be presented to the Working Group at its July 27th meeting.
- Few comments were made to refine/adjust the Illustrative Alternatives at the public meetings or the Local Advisory Council meeting. One substantive comment, however, is that the King Road alternative between I-75 and I-275 should bend south of King Road between I-75 and I-275 to avoid impacts. Based on the test of the travel demand of the King Road alternative, adjustments may be made to it.
- Another substantive comment was the lack of definition of the Ambassador Bridge plaza. Information was not available to completely define the most recent concept for the plaza that is part of the Gateway Project. That will be addressed as the evaluation moves forward.
- Discussions with MDOT foundation/geotechnical engineering group may lead to additional refinements of Illustrative Alternatives.

D. Upcoming Plans

- Refine the Illustrative Alternatives, as appropriate.
- Begin measuring the performance of the Illustrative Alternatives consistent with the evaluation methodology.
- Coordinate the evaluation process over the next four months with URS.
- Prepare a test application of the evaluation methodology and present the results to the Working Group on July 27th.
- Advance the discussion with the MDOT geotechnical personnel on the presence of brine wells and their effects on the alternatives.
- Meet with the Local Agency Group and the Local Advisory Council on July 20th to discuss feedback from the local public meetings as that may affect revisions to the Illustrative Alternatives.
- Coordinate with the Canadian consultant team on criteria to establish the cross-section of a new crossing for Practical Alternatives purposes.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- Prepared the draft scoping document and submitted it to MDOT and FHWA for review.

B. Products

- Draft scoping document.

C. Task Evaluation

- Based on input from the federal cooperating agencies, particularly the U.S. State Department, the draft Purpose has been refined to include a statement on “protecting the homeland.”
- The review of the scoping document must be completed by the next MDOT/FHWA Core Team meeting of July 19th to stay on schedule.

D. Upcoming Plans

- Finalize the draft scoping document and disseminate it with an invitation to participants to a scoping meeting to be conducted in the latter part of August.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES**A. Work Progress**

- ✓ Threatened and Endangered Species
 - Continued to develop GIS wetlands and habitat shape files and maps. Continued to prepare spreadsheet with habitat data.
 - Continued inland and over-water field surveys.
 - Developed sampling protocol.
 - Continued data assembly for evaluation of Illustrative Alternatives.
- ✓ Coastal Zone Management
 - Continued to develop GIS shape files and maps.
 - Continued inland and over-water field surveys.
 - Continued data assembly for evaluation of Illustrative Alternatives.
- ✓ Cultural Resources
 - Gathered information and summarized historic context information for Scoping Document.
 - Conducted a field review of the DRIC project with the SHPO's office.
- ✓ Agriculture
 - Extended base work to account for routes beyond I-75 and I-275.
 - Continued data assembly for evaluation of Illustrative Alternatives.
- ✓ Air Quality
 - Received asthma data from the Department of Community Health through MDOT.
 - Continued data assembly for evaluation of Illustrative Alternatives.
- ✓ Flooding/Water Quality
 - Continued to develop GIS shape files and maps.
 - Continued inland and over-water field surveys.
 - Continued data assembly for evaluation of Illustrative Alternatives.
- ✓ Recreational Uses
 - Continued data assembly for evaluation of Illustrative Alternatives.
- ✓ Community Impact Assessment

- Completed additional field verifications to account for possible southern alternatives.
- Continued data assembly for evaluation of Illustrative Alternatives.
- ✓ Title VI Issues
 - Continued data assembly for evaluation of Illustrative Alternatives.
- ✓ Wetland Delineation/Assessment
 - Reviewed new wetland assessment methodology per MDOT.
 - Continued to develop GIS wetland and habitat shape files and maps.
 - Continued to conduct inland and over-water field surveys.
 - Continued data assembly for evaluation of Illustrative Alternatives.

B. Products

- Additional field work to update the GIS and prepared spreadsheets.
- Data for evaluation of Illustrative Alternatives.
- Cultural historic context information, included in Scoping Document.
- Habitat shape files.
- Wetland shape files.
- Surface water shape files.

C. Task Evaluation

- Some SEE team members developed budgets with fewer than 15+ Illustrative Alternatives. This is being addressed internal to the team at the present time.

D. Upcoming Plans

- Work with MDOT to determine the approach to moving forward on additional aerial photography.
- Continue field surveys for wetland and wetland functional assessments and GIS layers.
- Continue field surveys for T&E habitat and develop GIS layers.
- Continue field surveys for Coastal Zone issues.
- Continue field surveys of surface waters.
- Continue evaluation of Illustrative Alternatives.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- Continued DTM compilation.

B. Products

- DTM at 30 percent complete.

C. Task Evaluation

- Work is proceeding slower than expected.

D. Upcoming Plans

- Continue to 50 percent completion the DTM compilation.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Prepared, in cooperation with the Canadian team's geotechnical consultant, a proposed risk assessment scope to address brine well issues.
- Costed a submerged tunnel option.
- Met with Keweitt to review cost estimate of submerged tunnel.
- Submitted draft scope to MDOT on additional geotechnical work to address risk associated with brine wells.

B. Products

- Draft Scope of Work to conduct risk assessment associated with location of brine wells.

C. Task Evaluation

- Task is to be affected by additional work dealing with brine well risk assessment covered under Task 25.

D. Upcoming Plans

- Support evaluation of Illustrative Alternatives.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Work in this task has not been initiated.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Work in this task has not been initiated.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Continued DTM compilation.

B. Products

- DTM at 50 percent complete.

C. Task Evaluation

- Completion of DTM by July 31, 2005.

D. Upcoming Plans

- Complete DTM.

TASK 19 (3320) – CONTROL SURVEY FOR AERIALS

A. Work Progress

- Began QA/QC on 50 check points.

B. Products

- None as none required.

C. Task Evaluation

- QA/QC is proceeding appropriately.

D. Plans for Next Reporting Period

- Provide test results for the 50 check points.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Refined Brine Well Investigation Plan.
- Attended meeting at MDOT regarding brine well investigations.
- Developed draft spreadsheet for ranking Illustrative Alternatives from geotech standpoint.

B. Products

- Draft scope of work to conduct risk assessment associated with location of brine wells.

C. Task Evaluation

- Additional work in this area will depend on MDOT's review of proposed scope.

D. Plans for Next Reporting Period

- Cooperate with MDOT to advance the brine well risk assessment.
- Support evaluation of Illustrative Alternatives.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Work in this task has not been initiated.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

While a schedule adjustment is not necessary, a change order has been offered to provide additional aerial photography to enhance the analysis west of I-75 in the Downriver corridor. MDOT action on this proposal is important to maintaining the project schedule.

MDOT has also been notified that a significant change order needs to be considered to conduct a detailed risk analysis of the location of brine wells and their effects on the placement of piers for a final Practical Alternative bridge. Additionally, that change order will include adjustments dealing with the communications logistics that are now significantly different than anticipated at the outset of the study because of the very large attendance at one set of public meetings in the Downriver area. The review by MDOT to formally submit such a change order is still ongoing and is needed as soon as possible. It is anticipated that the work included in the proposed change order will be initiated in the fall and concluded in the winter allowing the Practical Alternative to have considerable definition of the potential engineering/geotechnical risks as well as to continue to the public meetings with a full complement of advertising and logistics as in the past.

E. ITEMS NEEDED FROM MDOT

- A review of the division of engineering work on the border crossing facilities.
- As-built plans for:
 - ✓ M-39 from M-85 to US 12 in Wayne County.
 - ✓ I-75 from Gibraltar Road to Clay Street in Wayne County.
 - ✓ I-375 in Downtown Detroit.
 - ✓ US 12 from Van Horn to US 12.
 - ✓ US 24 from Van Horn to US 12.
 - ✓ US 24 connector from US 24 to I-75.
 - ✓ I-275 from Willow Road to US 12.
 - ✓ M-85 from King Road to Oakland Boulevard.
- Review of a proposed change order dealing with additional aerial photography and geotechnical tasks.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended the following meetings on:
 - ✓ June 2nd with the Canadian Automotive Partnership Council.

- ✓ June 14th with the NBEST Committee of the Detroit Regional Chamber of Commerce.
- ✓ June 17th with State agencies.
- ✓ June 20th with the MDOT project program review board.
- ✓ June 20th with the MDOT DRIC Core Team.
- ✓ June 20th with the Local Agency Group.
- ✓ June 20th with the Local Advisory Council.
- ✓ June 27th, 28th, 29th and 30th with the general public.
- ✓ June 29th with the Working Group.
- Daily contact by phone and e-mail with the MDOT Project Manager.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Context Sensitive Design 2
First week of July 2006	First week of July 2006	13 Community Impact Assessment 2
Fourth week of July 2006	Fourth week of July 2006	14 Engineering Concepts Report
First week of August 2006	First week of August 2006	15 Context Sensitive Design 3
Second week of August 2006	Second week of August 2006	16 Preliminary DEIS
Second week of October 2006	Second week of October 2006	17 Draft DEIS
Fourth week of November 2006	Fourth week of November 2006	18 Public Hearing Script/Video
Second week of December 2006	Second week of December 2006	19 FHWA Approved DEIS
Second week of January 2007	Second week of January 2007	20 DEIS Public Hearing
Second week of April 2007	Second week of April 2007	21 Public Hearing Comment Summary
Fourth week of July 2007	Fourth week of July 2007	22 Recommended Alternative
Fourth week of August 2007	Fourth week of August 2007	23 Final EIS
Fourth week of September 2007	Fourth week of September 2007	24 Final Engineering Report
Fourth week of November 2007	Fourth week of November 2007	25 MOU
Second week of December 2007	Second week of December 2007	26 Recommended Alternative Presentation
Fourth week of December 2007	Fourth week of December 2007	27 Access Justification Report
Fourth week of December 2007	Fourth week of December 2007	28 ROD

¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

H. CONTACT RECORDS

- Daily e-mail and conversations by phone with MDOT.
- Monthly progress report.
- Two bi-weekly status reports.
- Meetings of:
 - ✓ June 2nd with the Canadian Automotive Partnership Council.
 - ✓ June 14th with the NBEST Committee of the Detroit Regional Chamber of Commerce.
 - ✓ June 17th with State agencies.
 - ✓ June 20th with the MDOT project program review board.
 - ✓ June 20th with the MDOT DRIC Core Team.
 - ✓ June 20th with the Local Agency Group.
 - ✓ June 20th with the Local Advisory Council.
 - ✓ June 27th, 28th, 29th and 30th with the general public.
 - ✓ June 29th with the Working Group.

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August 9, 2005

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

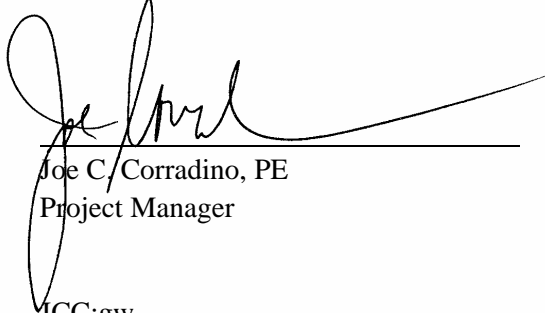
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 7 Progress Report

Dear Mohammed:

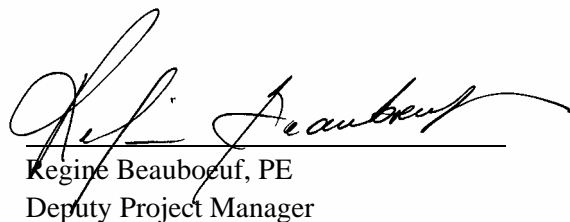
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 7 for July 2005. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
JULY 1 THROUGH JULY 31, 2005**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Produced notes of the June 27th, 28th, 29th and 30th public meetings. Distributed them to the Local Advisory Council. Posted them on the Web.
- Met with U.S. Steel on July 7th.
- Met with BASF on July 12th.
- Met with the Core Team on July 19th.
- Met with the Local Agency Group on July 20th.
- Met with the Local Advisory Council on July 20th.
- Met with the Working Group on July 27th. Prepared meeting notes.
- Responded to e-mails (300+), comment forms (400+) and telephone calls (50+).
- Collected evaluation forms completed by the public (over 400) by July 31st.
- Responded to media requests (*Detroit Free Press*, *News Herald* and *Ile Camera*).
- Assisted in developing background information for Mohammed Alghurabi's appearance on Representative Kathleen Law's cable television show.
- Continued to discuss use of CommentWorks.
- Updated the draft scope for additional geotech work.
- Assisted in preparing two status reports (July 8th and July 22nd).
- Prepared monthly progress report.

B. Products

- Monthly progress report.
- Status reports (July 8th and July 22nd).
- Notes of meetings:
 - ✓ U.S. Steel on July 7th.
 - ✓ BASF on July 12th.
 - ✓ Core Team on July 19th.
 - ✓ Local Agency Group on July 20th.
 - ✓ Local Advisory Council on July 20th.
 - ✓ Working Group of July 27th.
- Preliminary talking points for cable television show.
- Updated proposal for additional geotechnical work.

C. Task Evaluation

- URS Canada's need for a Memorandum of Understanding to use CommentWorks is legally impossible for Corradino to execute.
- The discussion of proposed additional geotechnical work on risk assessment associated with brine well locations has been postponed because of scheduling issues. This meeting must be held shortly if work is to be done on a timely basis.
- While attendance at two of the four June public meetings was high (183 on June 28th and 1,200 on June 30th), it appears "word of mouth" rather than newspaper ads, radio ads, or mailings was the reason for the turnout.

D. Upcoming Plans

- Continue to respond to e-mails, comment forms and telephone hotline calls.
- Compile weightings of evaluation factors after the Technical Team's weightings are compiled.
- Meet on August 9th with Don Flynn, proponent of the Hennepin Point river crossing.
- Tour the U.S. Steel plant on August 10th.
- Tour Fighting Island with BASF at a date yet to be decided.
- Prepare for and participate in the Core Team meetings of August 9th and August 30th.
- Prepare for and participate in Working Group meetings on August 10th and August 31st.
- Prepare for and conduct on August 31st the scoping meeting which will be a combined meeting with the Local Agency Group and the Local Advisory Council as well as federal, state and local agencies. Public notice will be issued for the scoping meeting.

- Continue to respond to media inquiries.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Calibrated the travel assignment on the U.S. job.
- Prepared an analysis of the Detroit-Windsor tunnel congestion on the U.S. side of the border to address SEMCOG's need for more information.
- Assisted in updating the travel demand paper.
- Prepared for the August 3rd modeling group meeting.
- Conducted travel assignments for three test alternatives.
- Participated in Border Wizard training.

B. Products

- Analysis of congestion at U.S. entrance to Detroit-Windsor Tunnel.
- Calibrated travel assignment model.
- Travel assignments for three test alternatives.

C. Task Evaluation

- Model indicates quality control is essential by both the U.S. and Canadian teams. A systemic error at this point in the process will be crippling later.
- Initial test model application is producing logical results. Ongoing adjustments to the models are not expected to affect that.

D. Upcoming Plans

- Continue to test the numerous Illustrative Alternatives. Cooperate with MDOT to assure that the appropriate measures of effectiveness are included in the analysis.
- Respond to the requests for model refinements made at the August 3rd modeling meeting.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Finalized the Streamlining Agreement.
- Finalized the project purpose statement and needs definition.

B. Products

- Updated Purpose and Need Statement.
- Updated Streamlining Agreement.

C. Task Evaluation

- Six of 7 federal agencies (in addition to FHWA) have agreed to sign the Streamlining Agreement. The Department of Homeland Security has implied it will sign but has not confirmed that in writing.

D. Upcoming Plans

- Circulate the Streamlining Agreement for signature.
- React to scoping meeting input on the Purpose and Need Statement as well as other items of the project.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- Met on July 20th with the Local Agency Group and the Local Advisory Council to solicit further input on the Illustrative Alternatives.
- Collected over 90 percent of the data on plaza issues and interchange issues.
- Developed 3 detailed interchange layouts for the new alignments from S4 to tie to I-75.
- Examined the vertical alignment of I-75 in relation to the numerous route and interchange proposals.
- Continued to collect data on the illustrative route/alignment issues.
- Continued to collect data on the crossing issues.
- Prepared technical memo in reference to ability to secure tunnels vs. bridges, in case of incidents.
- Refined locations of crossings based on known locations of brine wells, constructability constraints associated with long span bridges and location of navigable channels.
- Measured, as a test, the performance of three Illustrative Alternatives for plaza/route/interchange configurations (N1/R1 – Conner; N1/R2 – St. James; and, C3/Dearborn).

- Prepared a Test Evaluation Report for the three Illustrative Alternatives noted above.
- Drafted a paper on the evaluations of crossings. Submitted it to MDOT and URS for comment.

B. Products

- Data matrix on U.S. plazas.
- Data matrix on U.S. interchanges.
- Partial data matrix on route/alignments.
- Test Evaluation Report on three Illustrative Alternatives.
- Draft analysis process for river crossings.
- Detailed interchange layouts for 3 locations along I-75.
- Horizontal Alignment of edge of pavement and right-of-way lines for 3 routes connecting S4 to I-75.
- Technical memos on performance measures to be used when evaluating crossings and the constructability of the Alternatives.
- Technical memo on security concerns and challenges associated with bridges or tunnels.

C. Task Evaluation

- Progress in assembling data on the U.S. side is significant. Early field work to establish a baseline has made the current work go smoothly.
- Progress on the evaluation of alternatives by the Canadians is difficult to measure. This is a concern this may affect the efficacy of the entire evaluation process.
- The Canadians at the Working Group level have indicated they will not have a position on governance until the end of 2006. This is different from what was heard at the February meeting of the Working Group.

D. Upcoming Plans

- Complete the refined plaza data.
- Conduct the plaza evaluation on August 25th. Document it for presentation to the Working Group on August 31st.
- Complete the refined interchange data.
- Complete the Illustrative Alternatives route/alignment data.
- Conduct the evaluation of crossings by August 25th. Document for presentation to the Working Group on August 31st.
- Prepare for the route/interchange evaluation on the U.S. side to be conducted by mid-September.

- Prepare for meetings to develop end-to-end alternatives by the end of September.
- Coordinate with the Canadian Team on Design Specifications to be used for the design of a new crossing over the Detroit River.
- Coordinate with the Coast Guard and the Corps of Engineers on pier locations in the river for proposed crossing locations.
- Coordinate with the Canadian Team on a cross-section for the new crossing for the Practical Alternatives and present recommendations at an upcoming meeting to be determined with the Working Group and the Steering Committee.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- Finalized the scoping document. Printed and sent over 300 copies to various federal, state and local governmental agencies as well as the Local Advisory Council.

B. Products

- Scoping document.

C. Task Evaluation

- Cobo Hall will be the venue for the scoping meeting to host the large group that is expected. The meeting will be noticed publicly but will not be a formal public meeting.

D. Upcoming Plans

- Conduct the scoping meeting on August 31st.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- ✓ Threatened and Endangered Species
 - Continued to develop GIS wetlands and habitat shape files and maps. Continued to prepare spreadsheet with habitat data.
 - Continued inland and over-water field surveys.
 - Continued data assembly for evaluation of Illustrative Alternatives.
 - Participated in Test Evaluation of three Illustrative Alternatives.
- ✓ Coastal Zone Management

- Continued to develop GIS shape files and maps.
- Continued inland and over-water field surveys.
- Continued data assembly for evaluation of Illustrative Alternatives.
- Participated in Test Evaluation of three Illustrative Alternatives.
- ✓ Cultural Resources
 - Gathered information and summarized historic context information for Scoping Document.
 - Continued developing “historic contexts.”
 - Participated in Test Evaluation of three Illustrative Alternatives.
- ✓ Agriculture
 - Extended base work to account for routes beyond I-75 and I-275.
 - Continued data assembly for evaluation of Illustrative Alternatives.
 - Participated in Test Evaluation of three Illustrative Alternatives.
- ✓ Air Quality
 - Received asthma data from the Department of Community Health through MDOT.
 - Continued data assembly for evaluation of Illustrative Alternatives.
 - Participated in Test Evaluation of three Illustrative Alternatives.
- ✓ Flooding/Water Quality
 - Continued to develop GIS shape files and maps.
 - Continued inland and over-water field surveys.
 - Continued data assembly for evaluation of Illustrative Alternatives.
 - Participated in Test Evaluation of three Illustrative Alternatives.
- ✓ Recreational Uses
 - Continued data assembly for evaluation of Illustrative Alternatives.
- ✓ Community Impact Assessment
 - Completed additional field verifications to account for possible southern alternatives.
 - Continued data assembly for evaluation of Illustrative Alternatives.
 - Participated in Test Evaluation of three Illustrative Alternatives.
- ✓ Title VI Issues

- Continued data assembly for evaluation of Illustrative Alternatives.
- Participated in Test Evaluation of three Illustrative Alternatives.
- ✓ Wetland Delineation/Assessment
 - Continued to develop GIS wetland and habitat shape files and maps.
 - Continued to conduct inland and over-water field surveys.
 - Continued data assembly for evaluation of Illustrative Alternatives.
 - Participated in Test Evaluation of three Illustrative Alternatives.

B. Products

- Additional field work to update the GIS and prepare spreadsheets.
- Data for evaluation of Illustrative Alternatives.
- Cultural historic context information, beyond that included in Scoping Document.
- Habitat shape files.
- Wetland shape files.
- Surface water shape files.

C. Task Evaluation

- Some SEE team members developed budgets with fewer than 15+ Illustrative Alternatives. This is being addressed internal to the team at the present time.

D. Upcoming Plans

- Continue field surveys for wetland and wetland functional assessments and GIS layers.
- Continue field surveys for T&E habitat and develop GIS layers.
- Continue field surveys for Coastal Zone issues.
- Continue field surveys of surface waters.
- Continue evaluation of Illustrative Alternatives plazas and crossing on August 25th.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- Completed DTM compilation of original project boundary.

B. Products

- DTM at 100 percent complete for original project boundary.

C. Task Evaluation

- DTM work is completed on original project boundary.

D. Upcoming Plans

- Completed at least 10 percent of additional DTM.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Assessed applicability of the seismic tomographic imaging method and in developing a new proposal for investigation of locations and extent of voids caused by the mining of salt using the brine well method.
- Updated proposed risk assessment scope to address brine well issues.
- Prepared memo on other construction over areas with major voids (brine wells and oil wells).

B. Products

- Updated Scope of Work to conduct risk assessment associated with location of brine wells.
- Preliminary memo on construction over areas with underground voids.

C. Task Evaluation

- Task is to be affected by additional work dealing with brine well risk assessment covered under Task 25.

D. Upcoming Plans

- Support evaluation of Illustrative Alternatives.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Work in this task has not been initiated.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Work in this task has not been initiated.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Continued DTM compilation.

B. Products

- DTM at 100 percent complete on original boundary area.

C. Task Evaluation

- DTM of original boundary area is complete.

D. Upcoming Plans

- Begin DTM on additional area.

TASK 19 (3320) – CONTROL SURVEY FOR AERIALS

A. Work Progress

- Continue QA/QC on 50 check points.

B. Products

- None as none required.

C. Task Evaluation

- QA/QC is proceeding appropriately.

D. Plans for Next Reporting Period

- Provided test results of 50 check points.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Refined Brine Well Investigation Plan.
- Developed spreadsheet for ranking Illustrative Alternatives from geotech standpoint.
- Prepared memo of other construction over areas with voids like brine wells/oil wells.

B. Products

- Updated draft scope of work to conduct risk assessment associated with location of brine wells.

C. Task Evaluation

- Additional work in this area will depend on MDOT's review of proposed scope.

D. Plans for Next Reporting Period

- Cooperate with MDOT to advance the brine well risk assessment.

- Support evaluation of Illustrative Alternatives.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Work in this task has not been initiated.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

While a schedule adjustment is not necessary, a change order has been offered to provide additional aerial photography to enhance the analysis west of I-75 in the Downriver corridor. MDOT action on this proposal is important to maintaining the project schedule.

MDOT has also been notified that a significant change order needs to be considered to conduct a detailed risk analysis of the location of brine wells and their effects on the placement of piers for a final Practical Alternative bridge. Additionally, that change order will include adjustments dealing with the communications logistics that are now significantly different than anticipated at the outset of the study because of the very large attendance at one set of public meetings in the Downriver area. The review by MDOT to formally submit such a change order is still ongoing and is needed as soon as possible. It is anticipated that the work included in the proposed change order will be initiated in the fall and concluded in the winter allowing the Practical Alternative to have considerable definition of the potential engineering/geotechnical risks as well as to continue to the public meetings with a full complement of advertising and logistics as in the past.

E. ITEMS NEEDED FROM MDOT

- A review of the division of engineering work on the border crossing facilities.
- As-built plans for:
 - ✓ M-39 from M-85 to US 12 in Wayne County.
 - ✓ I-75 from Gibraltar Road to Clay Street in Wayne County.
 - ✓ I-375 in Downtown Detroit.
 - ✓ US 12 from Van Horn to US 12.
 - ✓ US 24 from Van Horn to US 12.
 - ✓ US 24 connector from US 24 to I-75.
 - ✓ I-275 from Willow Road to US 12.
 - ✓ M-85 from King Road to Oakland Boulevard.

- Review of a proposed change order dealing with additional aerial photography and geotechnical tasks.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended the following meetings on:
 - ✓ July 7th with U.S. Steel.
 - ✓ July 12th with BASF.
 - ✓ July 19th with Core Team.
 - ✓ July 20th with Local Agency Group.
 - ✓ July 20th with Local Advisory Council.
 - ✓ July 27th with Working Group.
- Upcoming meetings:
 - ✓ August 9th with Core Team.
 - ✓ August 9th with Mr. Flynn, proponent of the Hennepin Point crossing.
 - ✓ August 10th U.S. Steel tour.
 - ✓ August 10th with Working Group.
 - ✓ August 11th with Steering Committee.
 - ✓ August 30th with Core Team.
 - ✓ August 31st with Working Group.
 - ✓ August 31st scoping meeting.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Context Sensitive Design 2
First week of July 2006	First week of July 2006	13 Community Impact Assessment 2
Fourth week of July 2006	Fourth week of July 2006	14 Engineering Concepts Report
First week of August 2006	First week of August 2006	15 Context Sensitive Design 3
Second week of August 2006	Second week of August 2006	16 Preliminary DEIS
Second week of October 2006	Second week of October 2006	17 Draft DEIS
Fourth week of November 2006	Fourth week of November 2006	18 Public Hearing Script/Video
Second week of December 2006	Second week of December 2006	19 FHWA Approved DEIS
Second week of January 2007	Second week of January 2007	20 DEIS Public Hearing
Second week of April 2007	Second week of April 2007	21 Public Hearing Comment Summary
Fourth week of July 2007	Fourth week of July 2007	22 Recommended Alternative
Fourth week of August 2007	Fourth week of August 2007	23 Final EIS
Fourth week of September 2007	Fourth week of September 2007	24 Final Engineering Report
Fourth week of November 2007	Fourth week of November 2007	25 MOU
Second week of December 2007	Second week of December 2007	26 Recommended Alternative Presentation
Fourth week of December 2007	Fourth week of December 2007	27 Access Justification Report
Fourth week of December 2007	Fourth week of December 2007	28 ROD

¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

H. CONTACT RECORDS

- Daily e-mail and conversations by phone with MDOT.
- Monthly progress report.
- Two bi-weekly status reports.
- Meetings of:
 - ✓ June 2nd with the Canadian Automotive Partnership Council.
 - ✓ June 14th with the NBEST Committee of the Detroit Regional Chamber of Commerce.
 - ✓ June 17th with State agencies.
 - ✓ June 20th with the MDOT project program review board.
 - ✓ June 20th with the MDOT DRIC Core Team.
 - ✓ June 20th with the Local Agency Group.
 - ✓ June 20th with the Local Advisory Council.
 - ✓ June 27th, 28th, 29th and 30th with the general public.
 - ✓ June 29th with the Working Group.

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September 12, 2005

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

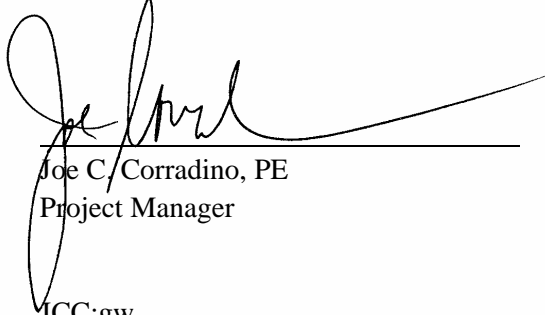
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 8 Progress Report

Dear Mohammed:

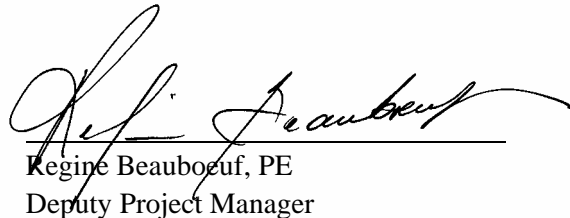
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 8 for August 2005. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
AUGUST 1 THROUGH AUGUST 31, 2005**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Compiled weightings of the evaluation factors of both the citizens and technical teams.
- Met with the MDOT Core Team on August 9th to review test evaluation approach.
- Met on August 9th with Don Flynn, proponent of the Hennepin Point river crossing.
- Toured the U.S. Steel plant on August 10th.
- Met with the Working Group on August 10th to prepare for Steering Committee meeting.
- Met with the Steering Committee on August 11th to review schedule of events, analysis work, and governance.
- Participated in a conference call on August 17th with MDOT, FHWA, DHS and CBT to define role of DHS in DRIC.
- Met with SEMCOG/MDOT to review the induced demand analysis approach on August 18th.
- Met with BASF to tour Fighting Island on August 23rd.
- Met with the CAPC group on August 24th.
- Met with the CAN-AM group on August 24th.
- Attended a Michigan Senate hearing on Grosse Ile on August 25th.
- Conducted a second Working Group meeting on August 31st to review progress on analysis.
- Conducted the U.S. scoping meeting on August 31st (it also served as U.S. LAC and LAG meeting).
- Secured the signatures of the Coast Guard, EPA and the Corps of Engineers on the Streamlining Agreement.
- Provided comments to a draft of QAs to the Canadians.

- Translated into Spanish a standard response to the letters of inquiry of the DRIC.
- Distributed a statement on governance.
- Assembled additional resolutions (Lincoln Park) against a Downriver crossing.
- Continued to respond to e-mails, comment forms and telephone hotline calls.
- Continued to respond to media inquiries.

B. Products

- Materials for the following meetings:
 - ✓ August 9th with Mr. Flynn, proponent of the Hennepin Point crossing.
 - ✓ August 9th with MDOT Core Team.
 - ✓ August 10th with Working Group.
 - ✓ August 11th with Steering Committee.
 - ✓ August 18th with SEMCOG on induced demand.
 - ✓ August 24th PowerPoint presentation to CAPC.
 - ✓ August 24th PowerPoint presentation to CAN-AM.
 - ✓ August 25th presentation materials including PowerPoint for the Senate Committee hearing.
 - ✓ August 30th with Working Group.
 - ✓ August 31st U.S. Scoping Meeting.
- Status reports on August 2nd and 19th.
- Monthly progress report.

C. Task Evaluation

- The participation in the scoping meeting was significant. A number of federal and local agencies were represented. Also, the LAC membership, particularly from Southwest Detroit, the Belle Isle and Downriver areas, participated.
- Since the beginning of August, the number of e-mails, telephone hotline calls and comment forms has been reduced to virtually none.

D. Upcoming Plans

- Prepare for the September 28th Working Group meeting at which preliminary proposals will be made for the best end-to-end crossings.
- Prepare for the combined LAC/CCG meeting on September 28th. It would be a boat tour of the plazas and river crossings.

- Prepare for the Steering Committee meeting of October 6th to review the preliminary proposals on end-to-end crossings.
- Prepare for an interagency Working Group meeting in mid-October. The purpose is to inform the agencies of the preliminary results in developing end-to-end crossing/system.
- Meet with Mr. Flynn, as appropriate, to discuss his concept for using NS/Conrail rail corridor for the route to a Hennepin Point crossing.
- Tour Grosse Ile on September 12th with the Grosse Ile Conservancy.
- Continue to respond to e-mails, comment forms and telephone hotline calls.
- Continue to respond to media inquiries.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Coded the Ambassador Bridge Gateway Project into the SEMCOG network. It did not exist earlier.
- Continue to test (105 model runs) various permutations/combinations of Illustrative Alternative routes.
- Responded to a request made for additional documentation made at the August 3rd modeling group meeting.

B. Products

- Travel assignments on almost 100 alternative route alignments.
- Additional documentation to revise the travel demand modeling report.

C. Task Evaluation

- Continuing comments on the travel demand modeling approach will allow additional work to be undertaken between the model runs for the Illustrative Alternatives and the beginning of the modeling run for the Practical Alternatives.
- A subset of the modeling task force (MDOT, Corradino and SEMCOG) should be convened to determine the goal for an acceptable model validation.

D. Upcoming Plans

- Completed the modeling runs for the first 100± Illustrative Alternative route combinations.
- Began to refine the model assignment process to be able to connect additional links of the best Illustrative Alternatives to help shape the final list of Practical Alternatives.
- Begin to make additional adjustments to the travel assignment model so that an updated version can be applied to the list of Practical Alternatives by the beginning of 2006.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Circulated the Streamlining Agreement for signature among the eight federal agencies cooperating with FHWA. Received signatures by the Corps of Engineers, the Coast Guard and the Environmental Protection Agency.
- Conducted the scoping meeting and prepared a transcript.

B. Products

- Meeting materials for the scoping meeting.
- Streamlining Agreement signed by the Corps of Engineers, the Coast Guard and EPA.

C. Task Evaluation

- The Department of Homeland Security has indicated officially that it will sign the Streamlining Agreement.

D. Upcoming Plans

- Review the input from the scoping meeting.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- Completed refining plaza data.
- Conducted the plaza evaluation on August 25th. Prepared draft documentation and submitted it to the Working Group on August 31st.
- Completed the preliminary compilation of crossing data. Conducted a preliminary evaluation of crossings on August 30th. Summarized the results in a presentation to the Working Group on August 31st.

- Compiled the Illustrative Alternative route/alignment data.
- Developed tunnel layouts, profiles and cross-sections at Crossings X-14 and X-15.
- Prepared a technical memorandum to describe the constraints related to developing a bored tunnel crossing in the soft ground of the riverbed at Crossings X-14 and X-15.
- Refined the alignments of several crossings based upon collaboration with the Canadian team.
- Refined the span arrangements for long-span bridges that were developed in cooperation with the Canadians.
- Prepared preliminary profiles of “odd-numbered” crossings. (The Canadians are doing the even-numbered crossings.)
- Participated in a conference call on August 17th with MDOT, FHWA, DHS and CBT to discuss conditions affecting the development of alternatives including redundancy.
- Coordinated with the Canadians so that a common set of performance measures will be available to evaluate the crossings.
- Cooperated with NTH to determine the applicability of seismic tomographic imaging and developed an updated proposal for the geotechnical investigation related to salt mining/brine wells based on this technique.
- Examined the impact on I-75 as a result of a number of connections directly to the route.
- Prepared a cost estimate methodology and applied it to prepare construction cost estimates of the plaza.
- Prepared cost estimates to acquire land and remediate it for the plazas.
- Developed “video flyovers” of each of the Illustrative Alternative routes using Google Earth.

B. Products

- Final evaluation matrix for plazas.
- Preliminary evaluation matrix for crossings.
- Preliminary evaluation matrix of routes.
- Evaluation of the plazas on the U.S. side.
- Preliminary evaluations of the crossings.
- Video flyovers of Illustrative Alternative routes using Google Earth.

C. Task Evaluation

- The U.S. evaluation is proceeding according to schedule. However, conversations with the Canadians indicate that they lag behind the U.S. progress. This is of concern if the end-to-end

solutions are to be identified on a preliminary basis in September and the results are to be sustainable.

- U.S. consultant has reviewed preliminary work produced by the Canadians on its reasoned argument and mathematical approaches. It has raised a number of questions. Likewise, these same questions have been posed in the Windsor Peer Review report of the Canadian approach.

D. Upcoming Plans

- Revise the evaluation data as appropriate. Revise the draft documentation as appropriate.
- Compile the final data for the crossings and evaluate them from a U.S. perspective.
- Compile the final data for the route alignments and evaluate them on the U.S. side.
- Coordinate with the Canadians, beginning in mid-September to advance definition of the best “end-to-end” alternatives.
- Continue documentation on the U.S. side of the evaluation process.
- Cooperate with the Norfolk Southern railroad to be able to address the proposed use of their railroad corridor for a route to the international crossing at Hennepin Point.
- Prepare an updated right-of-entry form to be able to list projects following the Illustrative Alternatives analysis for which right-of-entry can be secured.
- Complete an analysis of a “diagonal” from 401 to the plaza that matches up with King Road on the Canadian side and test its potential.
- Continue to coordinate with the Coast Guard and the Corps of Engineers on pier locations in the river for proposed bridge crossings.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- Conducted the scoping meeting on August 31st.

B. Products

- Transcription of the scoping meeting comments.

C. Task Evaluation

- The scoping meeting was well attended by the local, state and federal agencies as well as Local Advisory Council members.

D. Upcoming Plans

- This task has been completed once the transcript has been delivered.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES**A. Work Progress**

- ✓ Threatened and Endangered Species
 - Define the habitats of endangered species and the specific species.
 - Define wetlands by number, size and type.
 - Participated in the August 24th scoring of plazas.
 - Participated in the August 30th preliminary scoring of crossings.
 - Participated in the August 31st Working Group meeting.
 - Continued to refine the database in anticipation of establishing the Practical Alternatives.
 - Developed locations on a preliminary basis that will require right-of-entry for wetlands analysis.
- ✓ Coastal Zone Management
 - Listed the Coastal Zone Management Projects potentially affected by the Illustrative Alternatives.
 - Participated in the August 24th scoring of plazas.
 - Participated in the August 30th preliminary scoring of crossings.
 - Participated in the August 31st Working Group meeting.
 - Continued to refine the database in anticipation of establishing the Practical Alternatives.
 - Developed locations on a preliminary basis that will require right-of-entry for wetlands analysis.
- ✓ Cultural Resources
 - Define the aboveground and belowground cultural resources potentially affected by the Illustrative Alternatives.
 - Participated in the August 24th scoring of plazas.
 - Participated in the August 30th preliminary scoring of crossings.
 - Participated in the August 31st Working Group meeting.

- Continued to refine the database in anticipation of establishing the Practical Alternatives.
- Developed locations on a preliminary basis that will require right-of-entry for wetlands analysis.
- ✓ Agriculture
 - Defined the impact of agricultural land for those routes that extend beyond I-75 to I-275.
 - Participated in the August 24th scoring of plazas.
 - Participated in the August 30th preliminary scoring of crossings.
 - Participated in the August 31st Working Group meeting.
 - Continued to refine the database in anticipation of establishing the Practical Alternatives.
 - Developed locations on a preliminary basis that will require right-of-entry for wetlands analysis.
- ✓ Air Quality
 - Calculated regional changes in air quality as a result of the different Practical Alternatives.
 - Conducted CO concentration analyses for the plaza areas for the evaluation process.
 - Participated in the August 24th scoring of plazas.
 - Participated in the August 30th preliminary scoring of crossings.
 - Participated in the August 31st Working Group meeting.
 - Continued to refine the database in anticipation of establishing the Practical Alternatives.
 - Developed locations on a preliminary basis that will require right-of-entry for wetlands analysis.
- ✓ Flooding/Water Quality
 - Defined for the Illustrative Alternatives the number of floodways impacted and the number of acres of each.
 - Participated in the August 24th scoring of plazas.
 - Participated in the August 30th preliminary scoring of crossings.
 - Participated in the August 31st Working Group meeting.
 - Continued to refine the database in anticipation of establishing the Practical Alternatives.

- Developed locations on a preliminary basis that will require right-of-entry for wetlands analysis.
- ✓ Recreational Uses
 - Prepared a list of public parks for the evaluation of alternatives.
 - Define if public park is either 4(f) or 6(f).
 - Participated in the August 24th scoring of plazas.
 - Participated in the August 30th preliminary scoring of crossings.
 - Participated in the August 31st Working Group meeting.
 - Continued to refine the database in anticipation of establishing the Practical Alternatives.
 - Developed locations on a preliminary basis that will require right-of-entry for wetlands analysis.
- ✓ Community Impact Assessment
 - Defined the potential impact of the Illustrative Alternatives on the minority populations and low-income populations.
 - Defined the Illustrative Alternatives potential impacts on key cultural groups covered by Title VI.
 - Participated in the August 24th scoring of plazas.
 - Participated in the August 30th preliminary scoring of crossings.
 - Participated in the August 31st Working Group meeting.
 - Continued to refine the database in anticipation of establishing the Practical Alternatives.
- ✓ Wetland Delineation/Assessment
 - Define wetlands by number, size and type.
 - Participated in the August 24th scoring of plazas.
 - Participated in the August 30th preliminary scoring of crossings.
 - Participated in the August 31st Working Group meeting.
 - Continued to refine the database in anticipation of establishing the Practical Alternatives.
 - Developed locations on a preliminary basis that will require right-of-entry for wetlands analysis.

B. Products

- Additional field work to prepare for the evaluation of plazas and the preliminary evaluation of crossings in the above-listed areas.
- Additional field work to prepare for the evaluation of routes.
- Supporting documentation in GIS files to identify the potential areas that would be impacted by an element of the crossing system (route, plaza or crossing).
- Additional field work to update GIS and prepare spreadsheets.
- Data for evaluation of Illustrative Alternatives.
- Shape files for various SEE categories.

C. Task Evaluation

- Some SEE team members developed budgets with fewer than 15 Illustrative Alternatives. A change order will be prepared to deal with these budget issues.

D. Upcoming Plans

- Conduct the analysis of the crossings.
- Conduct the analysis of the route alignments.
- Define the rate of entry needs for the preliminary Practical Alternatives, first plazas, then crossings, then routes.
- Begin to align the field work for the Practical Alternatives.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- Completed only 5 percent of the additional DTM compilation.

B. Products

- Additional DTM compilation.

C. Task Evaluation

- DTM compilation on hold until MDOT approves the proposed contract amendment.
- Additional data from Wayne County has been suspended until the Practical Alternatives have been established.

D. Upcoming Plans

- Suspend work until the additional work authorization is approved.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Finalized the Preliminary Evaluation report.

B. Products

- Final Preliminary Evaluation report.

C. Task Evaluation

- The need to direct additional geotechnical work is a function of review by MDOT of an updated change order which will be significant in September.

D. Upcoming Plans

- Submitted to MDOT revised request for additional work.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Work in this task has not been initiated.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Work in this task has not been initiated.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Completed only 5 percent of the additional DTM compilation.

B. Products

- Additional DTM compilation.

C. Task Evaluation

- DTM compilation on hold until MDOT approves the proposed contract amendment.
- Additional data from Wayne County has been suspended until the Practical Alternatives have been established.

D. Upcoming Plans

- Hold up on work until the additional work is approved.

TASK 19 (3320) – CONTROL SURVEY FOR AERIALS

A. Work Progress

- Continue QA/QC on 50 check points.

B. Products

- None as none required.

C. Task Evaluation

- QA/QC is proceeding appropriately.

D. Plans for Next Reporting Period

- Provided test results of 50 check points.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Completed the evaluation of Illustrative Alternatives for foundation conditions.
- Attended the August 31st scoping meeting.
- Prepared a memorandum to deal with additional geotechnical investigation.
- Revised the derivation of cost information for the additional geotechnical investigation.

B. Products

- Updated approach on the additional geotechnical investigation including cost derivation.

C. Task Evaluation

- Additional work in this area depends on MDOT's review of proposed scope.

D. Plans for Next Reporting Period

- Cooperate with MDOT to advance the brine well risk assessment.
- Support evaluation of Illustrative Alternatives.

TASK 26 (3710) – REQUIRED MITIGATION**A. Work Progress**

- Work in this task has not been initiated.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

While a schedule adjustment is not necessary, a change order has been offered to provide additional aerial photography to enhance the analysis west of I-75 in the Downriver corridor. MDOT action on this proposal is important to maintaining the project schedule.

MDOT has also been notified that a significant change order needs to be considered to conduct a detailed risk analysis of the location of brine wells and their effects on the placement of piers for a final Practical Alternative bridge. Additionally, that change order will include adjustments dealing with the communications logistics that are now significantly different than anticipated at the outset of the study because of the very large attendance at one set of public meetings in the Downriver area. The review by MDOT to formally submit such a change order is still ongoing and is needed as soon as possible. It is anticipated that the work included in the proposed change order will be initiated in the fall and concluded in the winter allowing the Practical Alternative to have considerable definition of the potential engineering/geotechnical risks as well as to continue to the public meetings with a full complement of advertising and logistics as in the past.

E. ITEMS NEEDED FROM MDOT

- A review of the division of engineering work on the border crossing facilities.
- As-built plans for:
 - ✓ M-39 from M-85 to US 12 in Wayne County.
 - ✓ I-75 from Gibraltar Road to Clay Street in Wayne County.
 - ✓ I-375 in Downtown Detroit.
 - ✓ US 12 from Van Horn to US 12.

- ✓ US 24 from Van Horn to US 12.
- ✓ US 24 connector from US 24 to I-75.
- ✓ I-275 from Willow Road to US 12.
- ✓ M-85 from King Road to Oakland Boulevard.
- Review of a proposed change order dealing with additional aerial photography and geotechnical tasks.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended the following meetings on:
 - ✓ August 9th with MDOT Core Team.
 - ✓ August 9th with Mr. Flynn, proponent of Hennepin Point crossing.
 - ✓ August 10th with DRIC Working Group.
 - ✓ August 11th with DRIC Steering Committee.
 - ✓ August 18th with SEMCOG/MDOT on induced demand.
 - ✓ August 23rd with BASF to tour Fighting Island.
 - ✓ August 24th with CAPC for presentation.
 - ✓ August 24th with CAN-AM for presentation.
 - ✓ August 25th with Senate Committee hearing.
 - ✓ August 31st with DRIC Working Group.
 - ✓ August 31st U.S. Scoping Meeting.
- Upcoming meetings:
 - ✓ September 13th and 14th with MDOT/U.S. Consultant on evaluation of Illustrative Alternatives.
 - ✓ September 15th meeting with Canadians to begin establishing end-to-end alternatives.
 - ✓ September 20th, 21st meetings with Canadians to continue effort to establish end-to-end alternatives.
 - ✓ September 28th meeting with DRIC Working Group to present preliminary end-to-end alternatives.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
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Second week of December 2007	Second week of December 2007	26 Recommended Alternative Presentation
Fourth week of December 2007	Fourth week of December 2007	27 Access Justification Report
Fourth week of December 2007	Fourth week of December 2007	28 ROD

¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

H. CONTACT RECORDS

- Daily e-mail and conversations by phone with MDOT.
- Monthly progress report.
- Two bi-weekly status reports.
- Meetings of:
 - ✓ August 9th with MDOT Core Team.
 - ✓ August 9th with Mr. Flynn, proponent of Hennepin Point crossing.
 - ✓ August 10th with DRIC Working Group.
 - ✓ August 11th with SEMCOG/MDOT on induced demand.
 - ✓ August 23rd with BASF to tour Fighting Island.
 - ✓ August 24th with CAPC for presentation.
 - ✓ August 24th with CAN-AM for presentation.
 - ✓ August 25th with Senate Committee hearing.
 - ✓ August 31st with DRIC Working Group.
 - ✓ August 31st U.S. Scoping Meeting.

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October 10, 2005

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

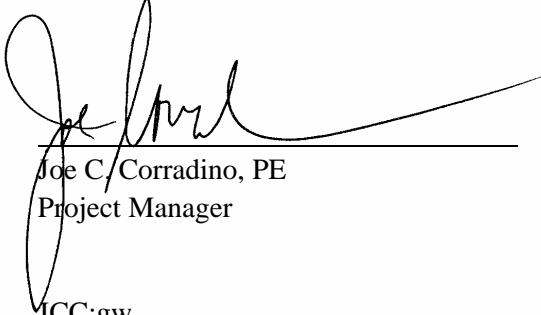
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 9 Progress Report

Dear Mohammed:

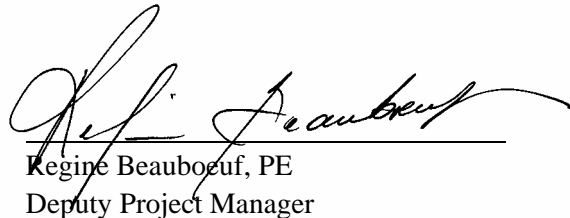
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 9 for September 2005. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
SEPTEMBER 1 THROUGH SEPTEMBER 30, 2005**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Met with the Grosse Ile Conservancy on September 12th.
- Communicated with U.S. Steel to gather more information with respect to developing plazas on their site.
- Prepared for and participated in the September 28th Working Group meeting at which preliminary proposals were made for the best end-to-end crossings.
- Prepared for and conducted the river tour as a combined LAC/CCG meeting on September 28th.
- Prepared for the Steering Committee meeting of October 6th to review the preliminary proposals of the end-to-end crossing systems.
- Prepared for the interagency Working Group meeting in mid-October. The purpose is to inform the agencies of the preliminary results in developing end-to-end crossing systems and other agenda items.
- Participated with the Canadian team in another attempt to finalize the first newsletter.
- Began preparations for disseminating the information about the upcoming December public meetings.
- Assisted in the final preparation and posting on the Web of the travel demand modeling report.
- Prepared for a meeting with SEMCOG and MDOT to address the validation issues of the travel demand model.
- Participated in the September 24th teleconference on the use of CommentWorks.
- Continued to respond to e-mails, comment forms, and telephone hotline calls.
- Continued to respond to media inquiries.

B. Products

- Materials for the following meetings:
 - ✓ September 12th with the Grosse Ile.
 - ✓ September 28th with the Working Group.
 - ✓ September 28th with the LAC/CCG on the river tour.
- Additional aerial photography of the plazas on both the U.S. and Canadian sides of the border.
- Status reports of September 2nd, 16th and 30th.
- Monthly progress report.

C. Task Evaluation

- The river tour of the crossings and plazas on September 28th was productive in allowing LAC/CCG members to establish personal relationships among themselves and to further build a base of information and credibility as it relates to an understanding of the alternatives under review.
- The number of e-mails, telephone hotline calls and comment forms has been virtually zero in the month of September.
- Preparations must be made for a press conference on November 28th by both the Canadian and U.S. teams to discuss the remaining Practical Alternatives.

D. Upcoming Plans

- Prepare for and participate in the October 5th Working Group and October 6th Steering Committee meetings.
- Meet with DRTP on October 13th to discuss details of their various proposals.
- Prepare for the October 20th Steering Committee teleconference.
- Prepare for and participate in the October 26th Working Group meeting.
- Prepare for and participate in the October 26th Local Advisory Council meeting.
- Finalize the brochure and convert it to a mailer for the December meetings on the U.S. side of the border.
- Assist in developing information for release of information to the media on November 28th.
- Contact with Mr. Flynn to further review the Downriver proposals.
- Continue to respond to e-mails, comment forms and telephone hotline calls.
- Continue to respond to media inquiries.
- Prepare for December public meetings (5th, 6th, 7th and 8th).

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Completed the modeling run for the first 100± Illustrative Alternative route combinations for the PM peak period in 2035.
- Began the additional work using various count data to further demonstrate the validation of the travel demand model.
- Simulated the scenario where the DRTP proposal would be combined with another new crossing as well as the Ambassador Bridge and the Detroit-Windsor Tunnel.
- Began preparing the Traffic Analysis Report.

B. Products

- Additional travel assignments in response to questions from the Working Group, particularly the validity of the DRTP truck tunnel proposal, in combination with other long-term/new crossings.

C. Task Evaluation

- Preliminary work by the U.S. consultant to validate the travel assignment model by relating assigned volumes to existing traffic counts indicates that the model is satisfactorily validated. Nevertheless, there will be a meeting on October 18th to further review these issues with MDOT and SEMCOG.

D. Upcoming Plans

- Produce AM peak hour assignments of the 100 model runs used in evaluation of Illustrative Alternatives.
- Readdress the issue of international trucks on local streets.
- Continue work on relating the model's assignment to various traffic counts.
- Respond to questions that relate to the results of the model's application.
- Participate in October 18th meeting with MDOT and SEMCOG dealing with model validation.
- Start transition from Phase 1 (Illustrative Alternatives) to Phase 2 (Practical Alternatives) of the modeling process, including application of Border Wizard.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Disseminated the transcript of the scoping meeting to LAC members.

- Received a letter from MDEQ with respect to scoping. Comments will be incorporated into the study process as the DEIS is prepared.
- Reminded those that participated in the scoping meeting that comments were due in writing by September 30th, if they chose to provide them.

B. Products

- The transcript of the August 31st scoping meeting.

C. Task Evaluation

- While many people spoke and their comments were transcribed at the August 31st scoping meeting, only a few comments were received in writing.
- Only four signed Streamlining Agreements have been received at the end of September.

D. Upcoming Plans

- Conduct a meeting on October 19th with the various federal cooperating agencies to review the scoping meeting as well as to discuss the preliminary proposal for end-to-end alternatives.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- Compiled updated datasets for the plazas, crossings and connecting routes from the U.S. perspective.
- Prepared draft memo on feasibility of tunnel in areas of Crossings X-10, X-11, X-14 and X-15.
- Refined alignments of bridge crossings X-10 and X-11 in attempts to minimize the impact of brine wells on substructure units.
- Prepared span arrangement of modified Crossing X-11.
- Conducted field review of the Delray area.
- Generated surface data for preparing vertical profiles at ramps and connections from the proposed plazas in the Delray Area to I-75.
- Conducted the evaluation process on September 14th and 15th with MDOT as observers.
- Met with the Canadian team on September 16th to advance the individual evaluations leading to selecting the list of Practical Alternatives.
- Met on September 22nd and 23rd with the Canadians to review additional work since the September 16th meeting on advancing the selection of Practical Alternatives.

- Met with the Working Group on September 28th to present the most complete information available on the selection of the Practical Alternatives.
- Provided on September 30th the summary report of the U.S. evaluation of alternatives to the Canadians.
- Drafted for internal use the report on the complete U.S. evaluation process.
- Advanced, based on the reviews mentioned above, the work to define for the Steering Committee on October 6th the proposed list of Practical Alternatives.
- Prepared a map of properties to which rights of entry will be required to conduct additional work in wetlands delineation, endangered species investigations, archaeological explorations, and historic properties reconnaissance.
- Drafted and presented to MDOT a draft of the U.S. Illustrative Alternatives evaluation report.
- Begin preparing Volume 2 of U.S. evaluation report to include graphics/charts of data used in screening Illustrative Alternatives.
- Coordinated with MDOT (Bill Swagler) to review the land acquisition/relocation/remediation cost analysis.
- Developed for internal review analyses of the proposal by Don Flynn of connecting U.S. Crossing X-1 to the rail lines to then connect to I-75.

B. Products

- Updated matrices for use in the evaluation process.
- Meeting notes for the September 16th, 22nd and 23rd meetings with the Canadians and September 28th meeting of Working Group.
- Draft summary report on the evaluation process.
- Internal draft report on the complete U.S. evaluation process.

C. Task Evaluation

- The U.S. evaluation is proceeding according to schedule.
- The “reasoned argument” approach being used by the Canadians continues to raise questions and concerns. Articulation of those to the Canadians has resulted in little or no response.
- The review by Bill Swagler of the analysis for property-related costs was positive. Additional work will need to be done by MDOT as the Practical Alternatives are defined as acquisition/relocation/remediation costing is an MDOT responsibility.

D. Upcoming Plans

- Continue to exchange information with the Canadians on the reporting of the Illustrative Alternatives evaluation process.
- Meet with the Steering Committee to discuss the proposed list of Practical Alternatives resulting from the U.S. and Canadian evaluations.
- Submit on October 6th a draft report of the U.S. evaluation of Illustrative Alternatives. Update the draft based on comments.
- Begin refinements of crossing systems based on results of October 6th Steering Committee meeting.
- Continue to cooperate with MDOT on the right-of-entry needs.
- Participate in the federal cooperating agency review meeting on October 19th.
- Prepare for the teleconference call with the Steering Committee on October 20th to further advance the definition of Practical Alternatives.
- Prepare for and participate in the October 26th Working Group meeting to further advance the final determination of the end-to-end alternatives.
- Prepare for a meeting of the Steering Committee on November 3rd to finalize the list of Practical Alternatives.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Participated, with MDOT as observers, in the U.S. team's evaluation of Illustrative Alternatives on September 14th and 15th.
- Participated in meetings with the Canadians on September 16th, 22nd and 23rd to exchange information on the evaluation of Illustrative Alternatives and to develop the list of Practical Alternatives.
- Participated in the September 28th Working Group meeting to develop the list of Practical Alternatives.
- Coordinated with the Canadian consultants on the Illustrative Alternatives air quality analysis.
- Assisted in preparing information that will allow right-of-entry to be granted to properties for wetland delineation, archaeological exploration, historic reconnaissance, and investigation for threatened and endangered species.
- Began preparation of the right-of-entry information to deal with the hazardous material issue.
- Began preparation of Volume 2 to the main Illustrative Alternatives evaluation report that will display in detail data compiled in the various SEE analysis of the Illustrative Alternatives.
- Responded to Lloyd Baldwin's concern about two properties that were omitted from the list of potential historic properties impacted by the Illustrative Alternatives.
- Investigated possible requirements to assess impacts to migrating birds (waterfowl and neo-tropical migrants).
- Monitored MDOT's engagement of the Native Americans.

B. Products

- Updated matrices and input to define the SEE impacts of the Illustrative Alternatives.

C. Task Evaluation

- It appears that the Canadians will not be producing air quality information on the U.S. side of the border. This determination will likely be finalized in October. Then, an air quality analysis protocol meeting will be conducted for a combination of U.S. and Canadian agencies.
- It is now important to have a U.S. consultant team meeting to prepare for executing the tasks in the SEE area for the DEIS.

D. Upcoming Plans

- Participate in a mid-October meeting with the U.S. consulting team to begin the DEIS analysis process.
- Participate in the October 19th meeting of the federal cooperating agencies.
- Cooperate with Canadians to schedule a meeting on the air quality protocol that will be used on both sides of the border.
- Assist in the preparation of a scope of work for additional services as a result of information learned in the first nine months of the project.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- No additional work was accomplished in this area and will not be until a change order is approved by MDOT.

B. Products

- None as none required.

C. Task Evaluation

- Additional work in this area will be activated as a result of the team meeting in mid-October. Where work is beyond the original scope, it will not be activated until a change order is approved.

D. Upcoming Plans

- Meet in mid-October with the U.S. consulting team to begin work on the DEIS phase of the analysis.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Determine extent of geotechnical investigation needed at crossing locations near brine wells.

B. Products

- A new proposal for additional work to be submitted to MDOT.

C. Task Evaluation

- The additional geotechnical field work to assess risk of brine wells' affect on Practical Alternatives will be postponed so as to coordinate with the Canadian field work which is in advance of that on the U.S. side of the Detroit River.

D. Upcoming Plans

- Determine the next steps for additional geotechnical investigation at Practical Alternative crossing area(s) determined by the evaluation process and their proximity to the brine wells.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Conducted the evaluation of Illustrative Alternatives from the U.S. perspective and cooperated with the Canadian team to establish on a preliminary list of Practical Alternatives.
- Prepared documentation to support the U.S. analysis leading to the establishing of the preliminary list of Illustrative Alternatives. Presented that information on September 28th to the Working Group.
- Prepared for the October 6th Steering Committee meeting at which the Illustrative Alternatives evaluation will be presented along with a preliminary list of Practical Alternatives.

B. Products

- Preliminary list of Practical Alternatives for review by the Working Group.
- Summary report on the U.S. evaluation of Illustrative Alternatives and the preliminary listing of Practical Alternatives.

C. Task Evaluation

- The review of costing information by MDOT indicates that the consultant's work is reasonable. It will be used to complete the evaluation of Illustrative Alternatives. MDOT will conduct the costing of land acquisition, relocation and remediation for the DEIS.
- There is some concern being exhibited by the Canadians on what the real definition of redundancy is. The Canadians believe that it applies to the roadway network. This issue will only be resolved by the Steering Committee. That is critical to the finalization of the list of Practical Alternatives.

D. Upcoming Plans

- Meet with the Steering Committee on October 6th to present the preliminary list of Practical Alternatives.
- Prepare for the teleconference on October 20th of the Steering Committee to advance the list of Practical Alternatives.
- Meet on October 28th with the Working Group to help finalize the list of Practical Alternatives.
- Prepare for a meeting on November 3rd with the Steering Committee to finalize the list of Practical Alternatives.
- Develop vertical alignments and evaluate effects on previously developed horizontal alignments. Evaluate impacts on plaza areas and bridge touch down points.
- Develop concept layout of plazas and allocation of acreage to the diverse functions to be served within the perimeter of the plazas.
- Develop criteria for circulation needs within the plaza and from the plaza to the road connector and the bridges.
- Coordinate with the Coast Guard and the Corps of Engineers on pier locations in the Detroit River for proposed crossing locations.
- Coordinate with the Canadians on a cross-section for the new crossing for the Practical Alternatives and present recommendations at upcoming meetings of the Working Group (October 26th) and the Steering Committee (November 3rd).

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- None as none required.

B. Products

- None as none required.

C. Task Evaluation

- The scoping meeting generated significant comment which is incorporated in a transcript of the meeting. However, while a number of agencies indicated that written information would be submitted, the deadline passed with only MDEQ submitting such documentation.

D. Upcoming Plans

- Conduct a mid-October coordination meeting with the U.S. consultant team to the DEIS phase of work.

- Cooperate with MDOT to assist in gaining the right-of-entry to various sites so that the information needed by the DEIS in areas such as wetlands delineation, identification of threatened and endangered species, historic properties reconnaissance, archaeological exploration, hazardous material exploration, and geotechnical exploration can be conducted on a timely basis.
- Cooperate with MDOT in gaining involvement of Native Americans.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Began to assemble a parcel-by-parcel listing to be submitted to MDOT where right-of-entry is necessary to begin the initial site assessment.

B. Products

- None as none required.

C. Task Evaluation

- The specification of properties on which site assessments for hazardous material is critical to gaining entry to those properties on a timely basis.

D. Upcoming Plans

- Specify properties for which the right-of-entry is needed for hazardous material investigation. Provide that list and a scope of work to MDOT.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Completed another 10 percent (total 15 percent) of DTM compilation.

B. Products

- An additional 10 percent of DTM compilation.

C. Task Evaluation

- DTM compilation on hold until MDOT approves the proposed contract amendment.
- Additional data from Wayne County has been suspended until the Practical Alternatives have been established.

D. Upcoming Plans

- Participate in team meetings to initiate Phase 2 of work.

TASK 19 (3320) – CONTROL SURVEY FOR AERIALS

A. Work Progress

- Continued QA/QC on 50 check points.

B. Products

- QA/QC analysis on 50 check points is 50 percent complete.

C. Task Evaluation

- QA/QC is proceeding appropriately.

D. Plans for Next Reporting Period

- Provided test results of 50 check points.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Met with MDOT to further refine the scope of work that is necessary to conduct additional geotechnical/foundation investigation to determine the presence of brine wells.
- Prepared additional documentation as it is related to the viability of a tunnel anywhere upriver from Zug Island.

B. Products

- A preliminary memorandum that defines the reasons that a tunnel anywhere in the Detroit River area is not a feasible alternative.

C. Task Evaluation

- The preliminary list of Practical Alternatives will limit the area within which additional geotechnical exploration will be conducted to establish brine well locations. That information will be submitted in a change order to MDOT by mid-October.
- Additional work has led to the conclusion that a tunnel is not a viable alternative for a new border crossing anywhere in the Detroit River area.

D. Upcoming Plans

- Submit the scope of work for additional geotechnical/foundation analysis to MDOT.
- Meet in mid-October with the U.S. consultant team to begin preparation for the geotechnical/foundation work that is part of the original scope of work.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Work in this task has not been initiated.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

MDOT has been notified that a significant change order needs to be considered to conduct a detailed risk analysis of the location of brine wells and their effects on the placement of piers for a final Practical Alternative bridge. Additionally, that change order will include adjustments dealing with the

communications logistics that are now significantly different than anticipated at the outset of the study because of the very large attendance at public meetings. It is anticipated that the work included in the proposed change order will be initiated in the fall of 2005.

E. ITEMS NEEDED FROM MDOT

- A review of the division of engineering work on the border crossing facilities.
- As-built plans for:
 - ✓ I-375 in Downtown Detroit.
 - ✓ M-85 from King Road to Oakland Boulevard.
- Review of a proposed change order dealing with additional aerial photography and geotechnical tasks.
- Right-of-entry to the area properties to advance the analysis of the Practical Alternatives.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended the following meetings on:
 - ✓ September 12th with Grosse Ile Conservancy.
 - ✓ September 14th and 15th with MDOT on the evaluation of Illustrative Alternatives.
 - ✓ September 16th, 22nd and 23rd with the Canadian team on the evaluation of Illustrative Alternatives.
 - ✓ September 28th with the Working Group.
- Upcoming meetings:
 - ✓ October 5th with the Working Group.
 - ✓ October 6th with the Steering Committee.
 - ✓ October 13th with DRTP.
 - ✓ October 18th with SEMCOG, MDOT, and the U.S. consultant on the travel demand model validation.
 - ✓ October 19th with MDOT, FHWA and the federal cooperating agencies.
 - ✓ October 20th teleconference with the Steering Committee.
 - ✓ October 26th with the Working Group.
 - ✓ October 26th with the LAC.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
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¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

H. CONTACT RECORDS

- Daily e-mail and conversations by phone and in person with MDOT Project Manager and other personnel.
- Three status reports.
- Monthly progress report.
- Meetings of:
 - ✓ September 14th and 15th with MDOT on the evaluation of Illustrative Alternatives.
 - ✓ September 16th, 22nd and 23rd with the Canadian team on the evaluation of Illustrative Alternatives.
 - ✓ September 28th with the Working Group.

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November 7, 2005

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

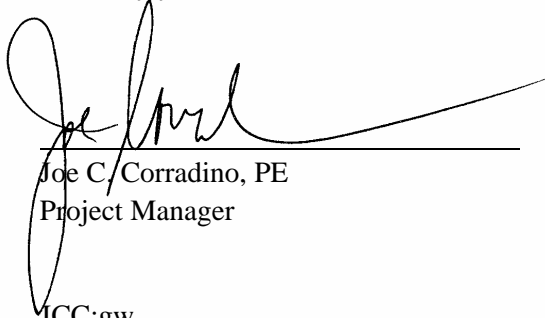
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 10 Progress Report

Dear Mohammed:

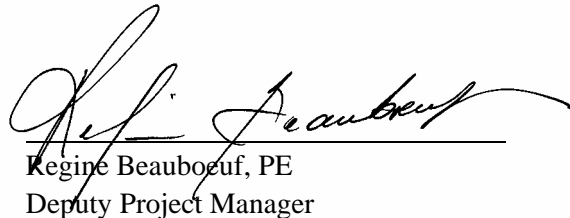
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 10 for October 2005. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
I:\Projects\3600\WP\ProgRpt\PR10.doc
Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
OCTOBER 1 THROUGH OCTOBER 31, 2005**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Prepared for and participated in the October 5th Working Group meeting and the October 6th Steering Committee meeting.
- Met with DRTP on October 13th to discuss details of their various proposals.
- Prepared for and participated in the October 20th Steering Committee teleconference.
- Prepared for and participated in the October 26th Working Group meeting.
- Prepared for and participated in the October 26th Local Advisory Council meeting.
- Prepared the mailer for the December 5, 6, 7 and 8 public meetings on the U.S. side of the border.
- Finalized the paid radio announcement and radio buy for the December public meetings.
- Assisted in developing information for the rollout of the results of the Illustrative Alternatives analysis.
- Continued to respond to e-mails, comment forms, and telephone hotline calls.
- Continued to assist in response to media inquiries.
- Prepared for the public meetings of December 5th-8th.
- Assisted in the preparation of a scope of work for additional services as a result of information learned in the first nine months of the project.

B. Products

- Materials for the following meetings:
 - ✓ October 5th with the Working Group.
 - ✓ October 6th with the Steering Committee.
 - ✓ October 13th with the DRTP.

- ✓ October 20th Steering Committee teleconference.
- ✓ October 26th with the Working Group.
- ✓ October 26th with the Local Advisory Council.
- Mailer for the December public meetings.
- Paid radio announcement and radio buy for the December public meetings.
- Draft material for use at the public meetings in December.
- Status reports for October 14th and October 28th.
- Monthly progress report.
- Scope and budget for additional work.

C. Task Evaluation

- The LAC meeting of October 26th involved a healthy discussion of the announcement on October 4th of preliminary results that excluded from further consideration the Downriver and Belle Isle crossing systems. The LAC had also expressed their concerns about the credibility of the process being negatively affected by virtue of this unexpected media release.
- A key aspect of the continuing work of defining the Practical Alternatives will be community consultation. All previous plazas, crossings and connecting routes are to be replaced by new ones developed in this public consultation process.

D. Upcoming Plans

- Assist in the preparation for and participation in the rollout of the Illustrative Alternatives results.
- Participate in a November 15th Partnership teleconference.
- Meet on November 18th with the U.S. Coast Guard to further define the Practical Alternatives.
- Set meeting with DHS/CBT to further define the Practical Alternatives.
- Prepare for the November 28th LAC meeting.
- Prepare for the December 5th, 6th, 7th and 8th public meetings.
- Mail invitations to the December public meetings.
- Execute the paid radio announcements in association with the December public meetings.
- Finalize all three volumes of the Illustrative Alternatives report before distribution on and after November 28th.
- Prepare for the November 28th Working Group meeting.
- Continue to respond to media inquiries, letters, emails, comment forms and calls to the telephone hotline.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Produced AM peak hour assignments for the 100 model runs used in the evaluation of Illustrative Alternatives.
- Continued to address the issue of international trucks on local streets.
- Examined using contraflow on the Ambassador Bridge in conjunction with the DRTP tunnel.
- Participated in the October 18th meeting with MDOT and SEMCOG dealing with model validation.
- Began the transition from Phase I (Illustrative Alternatives) to Phase II (Practical Alternatives) traffic analyses including application of Border Wizard. This included the definition of data collection techniques by aerial videotaping as well as traffic counting on the ground.
- Submitted the Traffic Analysis Report for review.
- Responded to the last five questions raised by the MDOT Statewide Modeling Group on the overall TDM approach.

B. Products

- CDs/DVDs with the AM peak hour assignments.
- Response to the question about the adequacy of a contraflow on the Ambassador Bridge in combination with the DRTP two-lane tunnel.
- The draft Traffic Analysis Report.
- Response to the last five questions raised by the MDOT Statewide Modeling Group.

C. Task Evaluation

- The TDM work on the Illustrative Alternatives has been accepted by MDOT's Statewide Modeling Group.

D. Upcoming Plans

- Revise the Traffic Analysis Report based on MDOT comments.
- Establish a meeting with MDOT to discuss data collection techniques for TDM work on the Practical Alternatives and the application of induced demand modeling techniques.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Conducted a meeting on October 19th with various federal cooperating agencies to review the scoping meeting as well as to discuss the preliminary results of the Illustrative Alternatives evaluation.

B. Products

- Materials for the October 19th meeting of federal cooperating agencies.

C. Task Evaluation

- October 19th meeting provided considerable input to the DRIC study going forward. However, no comments were received from the cooperating agencies following the meeting, as anticipated.

D. Upcoming Plans

- Meet with the Coast Guard on November 18th to further define the Practical Alternatives.
- Set meeting with DHS/CBP to further define the Practical Alternatives.
- Cooperate with EPA to establish a meeting on the Air Quality Protocol in the U.S.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- Continued to exchange information with Canadians on the reporting of the Illustrative Alternatives evaluation process.
- Met with the Steering Committee on October 6th to discuss the results of the Illustrative Alternatives analysis resulting from the U.S. and Canadian evaluations.
- Submitted on October 6th a draft report on the U.S. evaluation of Illustrative Alternatives. Updated the draft of the Summary and Volume 2 based on comments from MDOT.
- Continued to cooperate with MDOT on the right-of-entry needs.
- Participated in the federal cooperating agency review meeting on October 19th.
- Prepared for and participated in the teleconference with the Steering Committee on October 20th to further discuss the results of the Illustrative Alternatives evaluation.
- Prepared for and participated in the October 26th Working Group meeting to further advance the determination of the end-to-end alternatives.

- Prepared for the Steering Committee meeting on November 3rd to finalize the results of the Illustrative Alternatives analysis.
- Refined the focus area and preliminary identification of potential locations of crossings and connector routes.
- Met with DRTP on the characteristics of their proposal for the tunnel at the X-14 Crossing location.
- Conducted an internal plaza workshop for advancing to the Practical Alternatives phase.
- Performed additional bridge pier location review in the area between Dearborn Avenue and the foot of the Ambassador Bridge.
- Began the analysis of the vertical profile along I-75 and the future ramp connections that may be necessary in connecting a plaza to that freeway.
- Prepared photographs of each structure in the area between Dearborn Avenue and the foot of the Ambassador Bridge.

B. Products

- Upgraded Summary Report and Volume 2 of the Illustrative Alternatives analysis.
- Materials for meetings with the:
 - ✓ Working Group on October 5th.
 - ✓ Steering Committee on October 6th.
 - ✓ Federal Cooperating Agencies on October 19th.
 - ✓ Steering Committee via teleconference on October 20th.
 - ✓ Working Group on October 26th.
 - ✓ LAC on October 26th.
 - ✓ Steering Committee on November 3rd.
- Photographs for each structure in the area between Dearborn Avenue and the foot of the Ambassador Bridge from I-75 to the Detroit River.
- Additional input to MDOT to finalize right-of-entry needs.

C. Task Evaluation

- It appears that the key issue surrounding finalizing the Illustrative Alternatives results is whether to include as a Practical Alternative the second span of the Ambassador Bridge.
- A key aspect of the continuing work in defining the Practical Alternatives will be community consultation. All previous plazas, crossings and connecting routes are to be replaced by new ones developed in this public consultation process.

D. Upcoming Plans

- Meet with the Steering Committee on November 3rd to determine the final results of the Illustrative Alternatives analysis.
- Participate in the preparation for the rollout of the results of the Illustrative Alternatives evaluation.
- Participate in the rollout of the results of the Illustrative Alternatives analysis.
- Present to the Local Advisory Council on November 28th the results of the Illustrative Alternatives evaluation.
- Prepare for the presentation of the results of the Illustrative Alternatives evaluation to the public on December 5th through 8th.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Participated in the mid-October meeting with the U.S. consulting team to begin the DEIS analysis process.
- Provided additional input to MDOT to finalize the right-of-entry requirements.
- Participated in the October 19th meeting of the federal cooperating agencies on the preliminary Illustrative Alternatives results.
- Monitored MDOT's engagement of Native Americans.
- Prepared, in draft form, Volume 3 of the Illustrative Alternatives evaluation report which includes the GIS-based information upon which the evaluation was conducted.
- Cooperated with MDOT in gaining involvement of Native Americans.
- Cooperated with MDOT in gaining right-of-entry to various sites for the identification of threatened and endangered species, wetlands delineation, historic properties reconnaissance, and archaeological exploration.
- Coordinated with MDOT to advance the next steps on the hazardous material exploration.
- Began the recordation process of every property in the area between Dearborn Avenue and the foot of the Ambassador Bridge, from I-75 to the Detroit River.

- Cooperated with MDOT in advancing an additional scope of work for the Practical Alternatives.

B. Products

Photos of structures in area between Dearborn Avenue and the foot of the ambassador Bridge, from I-75 to the Detroit River.

Input to Right-of-Entry paperwork.

GIS material include in draft Volume 3 of the Illustrative Alternatives Analysis Report.

C. Task Evaluation

- The Canadians have indicated that there appears to be no need for a joint meeting of Canadian and U.S. agencies dealing with the air quality protocols. Therefore, a meeting with EPA and other appropriate U.S. agencies will be set up.

D. Upcoming Plans

- Begin the DEIS analysis of the Practical Alternatives.
- Start the “recordation” process for cultural resources in the area between Dearborn Avenue and the foot of the Ambassador Bridge from I-75 to the Detroit River.
- Cooperate with the Candian team to begin the Context sensitive Solutioins work.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- No additional work was accomplished in this area and will not be until a change order is approved by MDOT.
- Assisted in the preparation of a scope of work for additional services as a result of information learned in the first nine months of the project.

B. Products

- Input to scope/budget for additional work.

C. Task Evaluation

- Additional work in this area will be activated as a result of the team meeting in mid-October. Where work is beyond the original scope, it will not be activated until a change order is approved.

D. Upcoming Plans

- Proceed on the appropriate work once the results of the Illustrative Alternatives analysis are concluded.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Submitted a revised scope of work to extend the brine well investigations in the area between Dearborn Avenue and the foot of the Ambassador Bridge south of I-75 to the Detroit River.

B. Products

- A proposal for additional work submitted to MDOT.

C. Task Evaluation

- The additional geotechnical field work to assess risk of brine wells affecting the development/location of Practical Alternatives must be closely coordinated with the Canadian field work. The latter work has been slowed because of right-of-entry problems.

D. Upcoming Plans

- Determine the next steps for additional geotechnical investigation in cooperation with the Canadians of the Practical Alternatives.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Met during the month of October with the Working Group and the Steering Committee to conclude the results of the Illustrative Alternatives evaluation.
- Attended a meeting of the federal cooperating agencies to get further input on the refinement of the definition of the Practical Alternatives.
- Set meeting with the Coast Guard on November 18th on navigation issues of proposed river crossings.

B. Products

- Revised reporting on the evaluation of Illustrative Alternatives.

C. Task Evaluation

- Based upon a concept developed by Andy Irwin of MDOT, an approach was offered to the Canadians to allow an “area of continuing analysis” to be established in the U.S. that extends from the foot of the Ambassador Bridge downriver to the upstream side of Zug Island. This area would then be connected with a similar area in Canada but would not include the second span of the Ambassador Bridge. This effectively allows the information developed in the U.S. evaluation of alternatives to be sustained and yet the second span of the Ambassador Bridge to be eliminated, per the Canadians’ analysis.
- A key aspect of the continuing work in defining the Practical Alternatives will be community consultation. All previous plazas, crossings and connecting routes are to be replaced by new ones developed in this public consultation process.

D. Upcoming Plans

- Meet with the Coast Guard to determine issues affecting pier locations in the river.
- Set a meeting with DHS/CBP to discuss plaza locations, sizing and other requirements.
- Develop vertical alignment and evaluate effects of the horizontal alignments for connections of plazas to I-75 in the area between Dearborn Avenue and the foot of the Ambassador Bridge.
- Evaluate impacts on plaza areas and bridge touchdown points.
- Develop concept layouts of plazas and the allocation of acreage to the first functions to be served within the perimeter of the plazas based upon meetings with DHS/CBP.
- Develop criteria for circulation needs within the plaza and from the plaza to the road connector and the bridge based upon cooperation with the U.S. Army Corps of Engineers, the U.S. Coast Guard, and DHS/CBP.
- Coordinate with the Canadians so that the constraints on both sides of the river are considered in the placement of the river crossings and the connecting plazas.

TASK 10 (2360) – PREPARE DEIS**A. Work Progress**

- Conducted a mid-October coordination meeting with the U.S. consulting team on the DEIS phase of the work.

- Participated in a meeting on October 19th with the federal cooperating agencies to enter into the DEIS phase of the work based upon the results of the Illustrative Alternatives analysis.

B. Products

None as none required.

C. Task Evaluation

- Work has begun on the analysis required for the DEIS. But, additional public engagement will be necessary in order to define the exact location of the Practical Alternatives crossings, plazas and connecting routes to I-75 on the U.S. side of the border.

D. Upcoming Plans

Prepare DEIS documentation as SEE and Engineering work is completed.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Cooperated with MDOT to begin the process of conducting the initial site assessment.

B. Products

- None as none required.

C. Task Evaluation

- The cooperation with MDOT will allow this work to be conducted in the most efficient manner. A GIS database will be coordinated with this effort for continuation in the project after the DEIS is completed.

D. Upcoming Plans

- Begin the additional site assessment work.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Completed another 1 percent (total 16 percent) of DTM compilation.

B. Products

- An additional 1 percent of DTM compilation.

C. Task Evaluation

- DTM compilation on hold until MDOT approves the results of the Illustrative Alternatives analysis.

D. Upcoming Plans

- Begin the work in association with the final list of Practical Alternatives.

TASK 19 (3320) – CONTROL SURVEY FOR AERIALS

A. Work Progress

- Continued QA/QC on 50 check points.

B. Products

- QA/QC analysis on 50 check points is 50 percent complete.

C. Task Evaluation

- QA/QC is proceeding appropriately.

D. Plans for Next Reporting Period

- Provided test results of 50 check points.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Submitted the scope of work for additional geotechnical/foundation analysis to MDOT.
- Met in mid-October with the U.S. consulting team to begin preparation for the geotechnical/foundation work that is part of the original scope of work.

B. Products

- An updated memorandum that will be incorporated into the overall geotechnical report that defines the reasons that a tunnel anywhere in the Detroit River area is not a feasible alternative.

C. Task Evaluation

- The upcoming foundation work will largely be associated with an area between Dearborn Avenue and the foot of the Ambassador Bridge – likely more upstream than downstream. Close coordination is essential with the Canadians in order to ensure the work on both sides of the border informs a decision of the best location(s) for a border crossing.

D. Upcoming Plans

- Begin the geotechnical/foundation work in the original scope of work as it relates to the focused analysis area between Dearborn Avenue and the foot of the Ambassador Bridge.
- Begin, once the additional scope of work has been approved, of the detailed geotechnical work for brine well identification to further refine the Illustrative Alternatives.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Broached the subject of the types of mitigation measures that can be discussed as the Practical Alternatives are defined in community consultation.

B. Products

- None as none required.

C. Task Evaluation

- It is clear that the issue of types of mitigation will be responsive to issues raised by the public during the consultation period to define the Practical Alternatives.

D. Plans for Next Reporting Period

- Set up the process for additional intense small group consultation on refining the list of Practical Alternatives.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

A change order for additional work has been submitted to MDOT and request for additional information provided by the consultant. It is anticipated that this matter will be acted upon appropriately in November.

E. ITEMS NEEDED FROM MDOT

- A review of the division of engineering work on the border crossing facilities.
- As-built plans for:
 - ✓ I-375 in Downtown Detroit.
- Review of a proposed change order dealing with additional aerial photography and geotechnical tasks.
- Right-of-entry to the properties needed to advance the analysis of the Practical Alternatives.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended the following meetings on:
 - ✓ October 5th with the Working Group.
 - ✓ October 6th with the Steering Committee.
 - ✓ October 13th with DRTP.
 - ✓ October 19th with the federal cooperating agencies.
 - ✓ October 20th in a teleconference with the Steering Committee.
 - ✓ October 26th with the Working Group.
 - ✓ October 26th with the Local Agency Group.
 - ✓ October 26th with the Local Advisory Council.
- Upcoming meetings:
 - ✓ November 3rd with the Steering Committee.
 - ✓ November 15th teleconference with the Steering Committee.

- ✓ November 23rd with the Core Team.
- ✓ November 28th with the Working Group.
- ✓ November 28th with the Local Agency Group.
- ✓ November 28th with the Local Advisory Committee.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Context Sensitive Design 2
First week of July 2006	First week of July 2006	13 Community Impact Assessment 2
Fourth week of July 2006	Fourth week of July 2006	14 Engineering Concepts Report
First week of August 2006	First week of August 2006	15 Context Sensitive Design 3
Second week of August 2006	Second week of August 2006	16 Preliminary DEIS
Second week of October 2006	Second week of October 2006	17 Draft DEIS
Fourth week of November 2006	Fourth week of November 2006	18 Public Hearing Script/Video
Second week of December 2006	Second week of December 2006	19 FHWA Approved DEIS
Second week of January 2007	Second week of January 2007	20 DEIS Public Hearing
Second week of April 2007	Second week of April 2007	21 Public Hearing Comment Summary
Fourth week of July 2007	Fourth week of July 2007	22 Recommended Alternative
Fourth week of August 2007	Fourth week of August 2007	23 Final EIS
Fourth week of September 2007	Fourth week of September 2007	24 Final Engineering Report
Fourth week of November 2007	Fourth week of November 2007	25 MOU
Second week of December 2007	Second week of December 2007	26 Recommended Alternative Presentation
Fourth week of December 2007	Fourth week of December 2007	27 Access Justification Report
Fourth week of December 2007	Fourth week of December 2007	28 ROD

¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

H. CONTACT RECORDS

- Daily e-mail and conversations by phone and in person with MDOT Project Manager and other personnel.
- Two status reports.
- Monthly progress report.
- Meetings of:
 - ✓ October 5th with the Working Group.
 - ✓ October 6th with the Steering Committee.
 - ✓ October 13th with DRTP.
 - ✓ October 19th with the federal cooperating agencies.
 - ✓ October 20th in a teleconference with the Steering Committee.
 - ✓ October 26th with the Working Group.
 - ✓ October 26th with the Local Agency Group.
 - ✓ October 26th with the Local Advisory Council.

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December 13, 2005

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

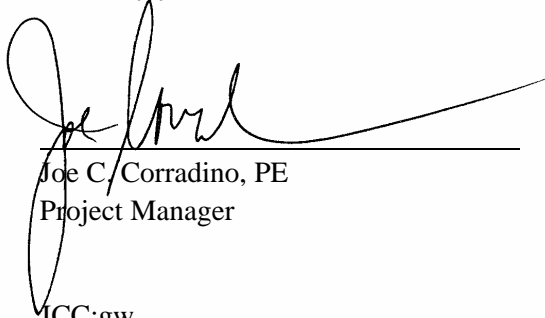
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 11 Progress Report

Dear Mohammed:

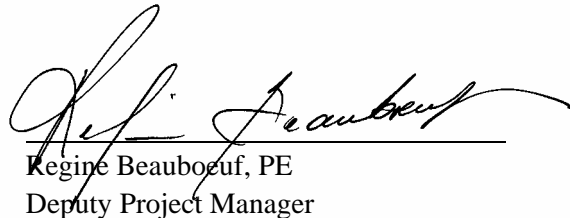
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 11 for November 2005. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
I:\Projects\3600\WP\ProgRpt\PR11.doc
Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
NOVEMBER 1 THROUGH NOVEMBER 30, 2005**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Participated in a November 2nd Working Group meeting.
- Participated in a November 3rd Steering Committee meeting.
- Prepared a set of Frequently Asked Questions to accompany the media rollout on the Illustrative Alternatives results.
- Assisted in the preparation for the “media rollout” of the Illustrative Alternatives results on November 14th.
- Participated in a November 15th Partnership teleconference following the “media rollout” of the Illustrative Alternatives results.
- Met on November 18th with the U.S. Coast Guard to gather information to define the Practical Alternatives.
- Assisted MDOT in preparing for a meeting in Washington on December 1st with DHS/CBP to gather information to define the Practical Alternatives.
- Conducted the joint Local Advisory Council/Local Advisory Group meeting on November 28th.
- Made final preparations for the December 5th, 6th, 7th and 8th public meetings on Illustrative Alternatives results.
- Mailed invitations to the December public meetings.
- Began the paid radio announcements on the December public meetings.
- Finalized and produced the three volumes of the Illustrative Alternatives report.
- Decided to establish an office in the focused project area.
- Continued to respond to media inquiries, letters, e-mails, comments forms, and calls to the telephone hotline.

- Helped prepare two Status Reports.
- Prepared the monthly Progress Report

B. Products

- Three-volume set of reports documenting the evaluation of Illustrative Alternatives.
- Frequently Asked Questions accompanying the media rollout of the Illustrative Alternatives evaluation results.
- Materials for the Working Group meetings on November 2nd and 28th.
- Materials for the Steering Committee meeting of November 3rd.
- Final graphics and other support materials (comment forms, handouts, etc.) for the December 5th through December 8th public meetings on the Illustrative Alternatives evaluation results.
- Status Reports for November 11th and 25th.
- Monthly Progress Report.

C. Task Evaluation

- The media reaction in Canada to the announcement of the Illustrative Alternatives results was mainly favorable. There was very little media reaction in the U.S.
- The Ambassador Bridge representatives, in reaction to the elimination of a second span of the bridge, indicated that they would not be involved further in the DRIC Study.
- The Detroit River Tunnel Partnership, in reaction to the elimination of all of its alternatives as a result of the Illustrative Alternatives evaluation, indicated that it would continue to pursue the conversion of its rail tunnels to trucks.
- The Local Advisory Council reacted positively to the proposed involvement of the community to help define the final Practical Alternatives in the focused analysis area.

D. Upcoming Plans

- Conduct the public meetings on December 5th through 8th.
- Meet with the Steering Committee on December 8th.
- Meet with the Crossing Owners, Operators and Proponents group on December 6th.
- Meet with the Private Sector Advisory Group on December 7th to brief them on the Illustrative Alternatives results.
- Conduct two community workshops (December 14th and 21st) to begin defining the Practical Alternatives.

- Meet with the Canadian/URS consulting team on December 27th to begin defining the Practical Alternatives based on input of two workshops.
- Take steps to secure lease in the new Delray Community Center for the local project office to serve the focused analysis area.
- Continue to respond to media inquiries, letters, e-mails, comment forms, and calls to the telephone hotline.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Continued to revise the Traffic Analysis Report based on MDOT comments.
- Prepared and submitted to MDOT a memo on the pre-loading of trucks to the U.S. highway network.
- Cooperated with the Canadian/URS consulting team to determine its interest in conducting an induced demand analysis.
- Prepared and submitted a memorandum to MDOT dealing with collecting additional data to support the travel demand analysis.
- Began preparations for the Phases II and III of the TDM work involving application of microsimulation traffic analysis models.

B. Products

- Memorandum report on the pre-loading of trucks.
- Memorandum on collecting additional traffic data to support the travel demand modeling process in Phases II and III of the DRIC Study.

C. Task Evaluation

- The Traffic Analysis Report will be completed by mid-December.

D. Upcoming Plans

- Complete the Traffic Analysis Report based on MDOT comments and submit the updated version to MDOT.
- Cooperate with MDOT to refine the traffic data collection procedures and prepare to apply the VISSIM, Paramics and Border Wizard models.
- Contact Supin Yoder at FHWA in Washington to further discuss the travel demand analysis process.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Met with the Coast Guard on November 18th to gather information to define the Practical Alternatives.
- Prepared for a meeting on December 1st with DHS/CBP to gather information to define the Practical Alternatives.
- Prepared for a meeting on December 2nd with EPA to discuss air quality issues, particularly the PM_{2.5} conformity and to gain input to the cumulative and secondary impacts analysis.

B. Products

- Materials for the November 18th meeting with the U.S. Coast Guard.
- Draft agenda and questions for the DHS/CBP meeting on December 1st.
- Agenda for the meeting with EPA on December 2nd.

C. Task Evaluation

- An aggressive approach is being pursued to meet with a host of federal agencies to gather information to define the Practical Alternatives.
- EPA has indicated some concern that the process is moving so fast that its input is not being fully considered. In order to address this concern, steps have been taken to establish a February 23rd meeting with the federal agencies that are part of the Streamlining Agreement to review the preliminary definition of Practical Alternatives before they are presented for finalization to the Working Group and Steering Committee.

D. Upcoming Plans

- Meet with EPA on December 2nd to discuss the PM_{2.5} conformity issues and gain input on the cumulative/secondary impacts analysis.
- Meet with the CBP on December 19th to gather input to define the Practical Alternatives.
- Meet on December 20th with U.S. Army Corps of Engineers to gather information to define the Practical Alternatives.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- Finalized Volume 1 - Summary Report, and Volumes 2 and 3 (supporting data) of the Illustrative Alternatives analysis results.
- Prepared GIS database for 4,500± parcels in the focused study area.
- Prepared materials for meetings with the:
 - ✓ Working Group on November 2nd.
 - ✓ Steering Committee on November 3rd.
 - ✓ Media rollout on November 14th.
 - ✓ FAQs to be used in associated with a media rollout on November 14th.
 - ✓ Core Team meeting on November 22nd.
 - ✓ Joint LAC/LAG meeting on November 28th.
 - ✓ Working Group meeting on November 28th.
- Provided additional input to the MDOT to finalize the letters of request for right-of-entry on 52 parcels in the focused analysis area.

B. Products

- Final Illustrative Alternatives Evaluation Report (3-volume set).
- Final letters to obtain right-of-entry on the first 52 parcels.

C. Task Evaluation

- The Ambassador Bridge representatives, in reaction to the elimination of a second span of the bridge, indicated that they would not be involved further in the DRIC Study.
- The Detroit River Tunnel Partnership, in reaction to the elimination of all of its alternatives as a result of the Illustrative Alternatives evaluation, indicated that it would continue to pursue the conversion of its rail tunnels to trucks.

D. Upcoming Plans

- Conduct the public meetings on December 5th through 8th to gain reaction to the results of the Illustrative Alternatives analysis.
- Meet with the Crossing Owners, Operators and Proponents group on December 6th to gain reaction to the results of the Illustrative Alternatives analysis.
- Meet with the Private Sector Advisory Group on December 7th to gain reaction to the results of the Illustrative Alternatives evaluation process.

- Meet with the Steering Committee on December 8th to gain direction to the next steps in refining the Practical Alternatives development process.
- Prepare for and conduct public workshops on each of December 14th and 21st to gather information to define the Practical Alternatives.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This work has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Continued the process of developing the historic context and land use histories for the focused analysis area.
- Prepared a photographic inventory of 4,500± properties in the focused analysis area.
- Began the recordation process for the east portion of the focused analysis area.
- Continued identifying properties in the focused analysis area that may need additional archaeological work.
- Developed spreadsheets for wetland data, threatened and endangered species data, coastal zone management project data, and water quality/stream crossing data. Conducted QA/QC on these data.
- Assisted in the preparation of right-of-entry scopes of work for historic, archaeological, and wetlands inventories.
- Began the review for possible refinement of the cumulative and secondary impacts analysis.
- Assisted MDOT in distributing reports to each of the Chippewa Tribes of Saginaw and Sault Ste. Marie.
- Assisted MDOT in preparing right-of-entry letters to conduct hazardous material investigations.

B. Products

- Photographic inventory of 4,500± properties in focused analysis area.
- Input to right-of-entry paperwork for first 52 parcels.
- Reports delivered to each of Chippewa Tribes of Saginaw and Sault Ste. Marie.

C. Task Evaluation

- The SEE work for the Illustrative Alternatives evaluation was so extensive and the area of continued analysis so concentrated that conducting further SEE work for the DEIS will be very efficient.

D. Upcoming Plans

- Assist MDOT as it follows up on the issuance of letters of right-to-enter property for analysis of historic, archaeological, wetland, and hazardous material issues.
- Meet with EPA on December 2nd to discuss both the conformity of analysis required of PM2.5 and gain input on the cumulative and secondary impacts analysis.
- Continue the historic recordation process.
- Continue the development of the land use histories to be used to guide the various cultural analysis investigations.
- Conduct a tour of historic Fort Wayne.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- Additional work was held up until the change order was approved by MDOT in mid-November. Aerial photography will now resume.

B. Products

- None as none required.

C. Task Evaluation

- Further work in this area is now underway following change order approval.

D. Upcoming Plans

- Take the steps necessary to secure additional aerial photography of area between Schaefer Road and Southfield Road to appropriately analyze a possible improvement to roadways to connect I-75 to I-94.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Finalized the tunnel feasibility analysis report. Posted on the project Web site.
- Reviewed DRTP's tunnel feasibility report.
- Began research to define the history of brine wells in the focused analysis area.

B. Products

- Final tunnel feasibility report.

C. Task Evaluation

- The key issue in executing, on a timely basis, locating brine wells is permission to gain entry to key properties. To expedite this, an inventory is being made to determine which properties of the 4,500± in the focused analysis area are government-owned. Preliminary indications are that one-third of these properties are owned by government which should facilitate a smoother entry to properties for drilling purposes.

D. Upcoming Plans

- Continue the conduct of research to determine brine well and other geophysical conditions affecting the development of the Practical Alternatives.
- Begin the assessment of properties to which entry must be gained in order to locate drilling equipment.

TASK 9 (2340) – PRACTICAL ALTERNATIVES**A. Work Progress**

- Met with the U.S. Coast Guard on November 18th to gather additional information to define the Practical Alternatives.
- Prepared an agenda and questions for a meeting on December 1st with DHS/CBP to gather information to further define the Practical Alternatives.
- Developed vertical alignments of the potential crossings.
- Evaluated, on a preliminary basis, horizontal alignments for connections of plazas to I-75 in the focused analysis area.
- Developed concept layouts of plazas and the allocation of acreage for the DHS/CBP functions to be served within the perimeter of the plazas.
- Developed criteria for circulation needs within the plaza and from the plaza to the road connector and the bridge based upon information from the U.S. Army Corps of Engineers, the U.S. Coast Guard, and DHS/CBP.
- Set meeting for December 1st with DHS/CBP in Washington.
- Set meeting for December 19th with CBP in Detroit.
- Set meeting for December 20th with the U.S. Army Corps of Engineers.

B. Products

- Agenda for the November 18th meeting with the U.S. Coast Guard.
- Agenda and questions for the upcoming December 1st meeting with DHS/CBP.

C. Task Evaluation

- The U.S. Coast Guard has given preliminary feedback on pier location within the Detroit River and provided information with regards to bridge “skews” and navigational needs. The Coast Guard has also agreed to informally review bridge proposals as they are developed and guide the process until formal submittal of the bridge height, cross-section and alignment characteristics.

D. Upcoming Plans

- Meet with DHS/CBP in Washington on December 1st to gather input to define the Practical Alternatives.
- Meet with CBP in Detroit on December 19th to gather input to define the Practical Alternatives.
- Meet with U.S. Army Corps of Engineers on December 20th to gather input to define the Practical Alternatives.
- Cooperate with the Canadians to define the allocation of work for all crossing design-related activities.
- Secure FEMA maps in the focused analysis area.
- Initiate contact with the Border Wizard organization to coordinate the schedule of the upcoming border processing analyses.
- Investigate the feasibility of building a river crossing that connects the Gateway Project directly to a Canadian plaza.
- Determine when to meet with the International Joint Commission.
- Secure maintenance-of-traffic plans for the Ambassador Bridge/Gateway Project.

TASK 10 (2360) – PREPARE DEIS**A. Work Progress**

- Continued to communicate with the federal cooperating agencies to satisfy their needs as it is required in DEIS documentation.

B. Products

- None as none required.

C. Task Evaluation

- Additional engagement of federal cooperating agencies is scheduled for February 23rd to review the preliminary Practical Alternatives.

D. Upcoming Plans

- Prepare DEIS documentation as SEE and Engineering work is completed.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Cooperated with MDOT to establish rights-of-entry to 52 properties on which the initial site assessment for hazardous materials can be conducted.

B. Products

- Input to MDOT to secure rights-of-entry on 52 properties.

C. Task Evaluation

- The securing of rights-of-entry is key to taking the next major step dealing with the initial site assessments for hazardous materials.

D. Upcoming Plans

- Continue to review the development of Practical Alternatives as it affects the need for additional rights-of-entry for properties to be evaluated for the potential hazardous materials.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Imported check points for terrain evaluation and report.

B. Products

- Completed five percent of the check points.

C. Task Evaluation

- The work is proceeding slowly awaiting definition of Practical Alternatives.

D. Upcoming Plans

- Develop spreadsheet for terrain comparison.

TASK 19 (3320) – CONTROL SURVEY FOR AERIALS

A. Work Progress

- Work on hold pending definition of Practical Alternatives.

B. Products

- None as none required.

C. Task Evaluation

- Work on hold pending definition of Practical Alternatives.

D. Upcoming Plans

- Proceed once Practical Alternatives are defined.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Began the geotechnical work in the original scope of work, i.e., exclusive of brine well investigations.
- Began the research on brine well locations to initiate the additional work dealing with brine well investigations.

B. Products

- None as none required.

C. Task Evaluation

- The upcoming field work will be dependent on access to properties to place drilling equipment. Efforts are being made in cooperation with MDOT so that the rights-of-entry can be secured by the beginning of March.

D. Upcoming Plans

- Continue the research on the brine well issue.
- Define, to the extent possible, the properties on which right-of-entry would be required for drilling equipment.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Established workshops on December 14th and 21st at which the community will articulate its needs which will likely cover mitigation issues.

B. Products

- None as none required.

C. Task Evaluation

- It is clear that the application of mitigation will be responsive to issues raised by the public during the consultation period defining the Practical Alternatives and afterwards.

D. Plans for Next Reporting Period

- Meet at two workshops with the community with respect to their issues and concerns as well as vision for the focused analysis area.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

A change order for additional work was secured in November. The work in a number of areas is now underway.

E. ITEMS NEEDED FROM MDOT

- Assistance in dividing the engineering work on the border crossing facilities between the U.S. and Canadian consulting teams.
- As-built plans for:
 - ✓ I-375 in Downtown Detroit.
 - ✓ Public utility information.
 - ✓ Right-of-entry paperwork on properties needed to advance the analysis of the Practical Alternatives.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended the following meetings on:
 - ✓ November 2nd with the Working Group.
 - ✓ November 3rd with the Steering Committee.
 - ✓ November 15th with the Steering Committee via telecon.
 - ✓ November 22nd with the MDOT Core Team.
 - ✓ November 28th with the Working Group.
 - ✓ November 28th with the Local Advisory Council and the Local Advisory Group.
- Upcoming meetings:
 - ✓ December 1st with DHS/CBP in Washington.
 - ✓ December 5th through 8th with the public.
 - ✓ December 6th with the Crossing Owners, Operators and Proponents group.
 - ✓ December 7th with the Private Sector Advisory Group.
 - ✓ December 8th with the Steering Committee.
 - ✓ December 14th with the public in a workshop.
 - ✓ December 19th with CBP in Detroit.
 - ✓ December 20th with the U.S. Army Corps of Engineers in Detroit.
 - ✓ December 20th with MDOT Core Team.
 - ✓ December 21st with the public in a workshop.
 - ✓ December 27th with URS to define, on a preliminary basis, the Practical Alternatives.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Context Sensitive Design 2
First week of July 2006	First week of July 2006	13 Community Impact Assessment 2
Fourth week of July 2006	Fourth week of July 2006	14 Engineering Concepts Report
First week of August 2006	First week of August 2006	15 Context Sensitive Design 3
Second week of August 2006	Second week of August 2006	16 Preliminary DEIS
Second week of October 2006	Second week of October 2006	17 Draft DEIS
Fourth week of November 2006	Fourth week of November 2006	18 Public Hearing Script/Video
Second week of December 2006	Second week of December 2006	19 FHWA Approved DEIS
Second week of January 2007	Second week of January 2007	20 DEIS Public Hearing
Second week of April 2007	Second week of April 2007	21 Public Hearing Comment Summary
Fourth week of July 2007	Fourth week of July 2007	22 Recommended Alternative
Fourth week of August 2007	Fourth week of August 2007	23 Final EIS
Fourth week of September 2007	Fourth week of September 2007	24 Final Engineering Report
Fourth week of November 2007	Fourth week of November 2007	25 MOU
Second week of December 2007	Second week of December 2007	26 Recommended Alternative Presentation
Fourth week of December 2007	Fourth week of December 2007	27 Access Justification Report
Fourth week of December 2007	Fourth week of December 2007	28 ROD

¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

H. CONTACT RECORDS

- Daily e-mail and conversations by phone and in person with MDOT Project Manager and MDOT personnel.
- Two status reports.
- Monthly progress report.
- Meetings of:
 - ✓ November 2nd with the Working Group.
 - ✓ November 3rd with the Steering Committee.
 - ✓ November 15th with the Steering Committee via telecom.
 - ✓ November 22nd with the MDOT Core Team.
 - ✓ November 28th with the Working Group.
 - ✓ November 28th with the Local Advisory Council and the Local Advisory Group.

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January 16, 2006

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

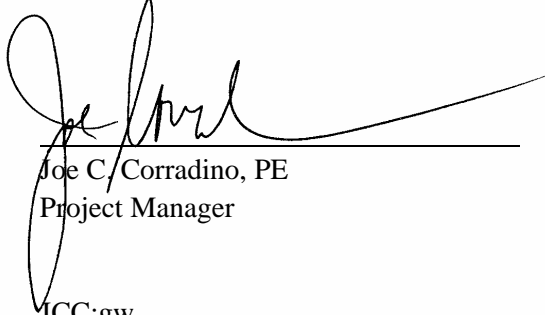
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 12 Progress Report

Dear Mohammed:

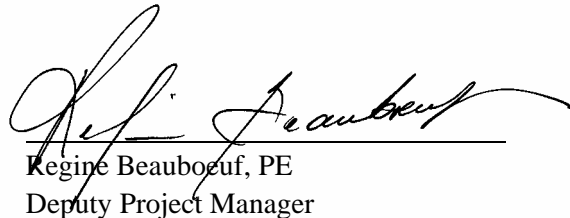
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 12 for December 2005. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
DECEMBER 1 THROUGH DECEMBER 31, 2005**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Met with the U.S. Environmental Protection Agency on December 2nd to discuss the expected roles dealing with PM_{2.5} conformity.
- Conducted public meetings on December 5th through 8th. Attendance of the public was as follows:
 - ✓ December 5th, River Rouge High School, River Rouge, MI, 17 attendees.
 - ✓ December 6th, Old HQ Building, Southgate, MI, 71 attendees.
 - ✓ December 7th, Southwestern High School, Detroit, MI, 141 attendees.
 - ✓ December 8th, Butzel Center, Detroit, MI, 82 attendees.
- Met with the Crossing Owners, Operators and Proponents group on December 6th and briefed those in attendance on the Illustrative Alternatives evaluation results.
- Met with the Private Sector Advisory Group on December 7th and briefed those in attendance on the Illustrative Alternatives evaluation results.
- Participated in the Steering Committee meeting on December 8th. Received and reviewed notes on the resulting issue of governance.
- Conducted two workshops in December to begin defining the Practical Alternatives:
 - ✓ On December 14th to establish a vision of the continued analysis area WITHOUT and WITH a new border crossing.
 - ✓ On December 21st to gather public input on the location of plazas to connect to the new crossing.
- Met on December 21st after the workshop with representatives of the Delray community to discuss the DRIC Study.

- Met with the Gateway Communities Development Collaborative on December 22nd to discuss the DRIC Study.
- Met with the U.S. Customs and Border Protection Agency (CBP) on December 19th to review the Illustrative Alternatives evaluation results and gain input to help define the Practical Alternatives.
- Met with the U.S. Army Corps of Engineers on December 20th to review the Illustrative Alternatives evaluation results and gain input to help define the Practical Alternatives.
- Met with the MDOT Core Team on December 20th to review study progress.
- Met with Governor Blanchard and DOT senior management on December 21st to further discuss the Governor's role in the governance issue.
- Received a letter dated December 16th from the Ambassador Bridge to Roger Ward raising questions about the Illustrative Alternatives analysis process. Provided input to those questions that affect the U.S. analysis.
- Received a letter dated December 20th from the Alliance of Automobile Manufacturers in support of the DIFT Illustrative Alternatives process.
- Returned a phone call on December 22nd to Mr. Moroun with respect to the Illustrative Alternatives evaluation results as well as the definition of the Practical Alternatives.
- Met with URS Canada on December 27th to define the preliminary Practical Alternative plaza locations.
- Contacted the Archdiocese of Detroit to set up a meeting to discuss the issue of Catholic churches in the area of continued analysis.
- Reviewed Michigan HB 5028 on the creation of a Michigan Port Authority.
- Reviewed Michigan HB 5027 to expand the authorities of the Wayne County Port Authority.
- Reviewed the Port Concession Agreement between the Wayne County Port Authority and the Moroun interests.
- Advised the public at the various meeting workshops of the soon-to-arrive letters requesting right-of-entry to a number of properties.
- Responded to letters from LAC members – Mrs. Leonard and Henri LaFrance – dealing with the Illustrative Alternatives analysis.
- Prepared for the January 4th public workshop on the preliminary vision statements and the preliminary plaza location.
- Continued to respond to media inquiries, letters, e-mails, comments forms, and calls to the telephone hotline.
- Helped prepared two status reports and the monthly progress report.

- Provided information to the University of Michigan public policy roleplaying exercise on the Detroit River International Crossing Study to be conducted during the week of January 3rd.
- Governor Blanchard as well as a special representative to the Ottawa Premier, Michael Kergan, will be part of the U of M process. Additionally, Karen Kavanaugh from the Southwest Detroit Business Association will be a speaker.

B. Products

- Materials for the December 14th workshop including the resulting report that addresses various “prouds,” “concerns,” and “vision ideas” for the area of continued analysis without and with a new river crossing.
- Presentation materials for the December 21st workshop to gather input on the location of a plaza(s) for the river crossing.
- Materials for the working meeting with the Canadians on December 27th to take the information gained from the two public workshops and develop a preliminary plaza location(s) for the Practical Alternatives.
- Additional support materials to be distributed at libraries and other community facilities (neighborhood city halls) of the five volumes of the Illustrative Alternatives Evaluation Report.
- Status reports of December 9th and December 23rd.
- Monthly progress report.

C. Task Evaluation

- Other than e-mails from two LAC representatives – Mrs. Leonard and Henri LaFrance – no e-mail was received on the project. Only three hotline calls were received, two from Canadians.
- The community input on the workshops has been constructive and positive.
- The meeting with the Crossing Owners, Operators and Proponents on December 6th was a challenge. DRTP focused on who authorized the study and who is making decisions. Mr. Flynn was unsatisfied with any explanations that were offered in response to his questions. Other COOP members left the meeting with Mr. Flynn remaining. The future of the COOP meetings is in need of review.
- The Public Sector Advisory Group meeting was well attended on December 7th. Both Canadian and U.S. Alliances of Automotive Manufacturer groups sent letters in support of the DRIC analysis process and the results to date.

- Cooperation with both the Corps of Engineers and U.S. Customs and Border Protection Agency produced very useful information not only on the results of the Illustrative Alternatives analysis but also in defining and evaluating the Practical Alternatives.
- The meeting with senior managers and Governor Blanchard allowed a preliminary definition of the activities of Governor Blanchard in the governance area. A meeting will be set for January to discuss further this matter with the representatives of Governor Granholm's office.

D. Upcoming Plans

- Conduct two workshops:
 - ✓ January 4th to present the preliminary vision statements without and with a new river crossing, as well as a preliminary location for the plaza(s).
 - ✓ January 18th to present the revised vision statements and plaza location(s).
- Conduct a public meeting in Delray on January 17th at the request of an LAC member.
- Meet with the U.S. Customs and Border Protection Agency to discuss the preliminary plaza location(s) for the new river crossing.
- Meet with the Local Agency Group on January 25th.
- Meet with the Local Advisory Council on January 25th.
- Meet with the Working Group on January 26th.
- Assist in the preparation of a presentation to be made by MDOT at the Transportation Research Board annual conference to be held in Washington, D.C.
- Continue to work with the community to gain right-of-entry to properties for detailed DRIC Study analyses.
- Prepare for the February 22nd federal agency coordinating meeting.
- Prepare for a meeting to brief the state legislature on the status of the DRIC Study.
- Meet with the Catholic Archdiocese of Detroit to discuss the impact of a proposed Practical Alternative on churches in the continued analysis area.
- Decide on the next PSAG meeting.
- Decide on the next COOP meeting.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Updated the Traffic Analysis Report based on the only comment received by the end of December, which was from Jim Kirschensteiner of the Federal Highway Administration.
- Discussed with MDOT the traffic data collection procedures and prepared to conduct manual traffic counts at a number of intersections on local arterials and origin-destination counts by way of areal surveillance on I-75/I-96 and I-94.
- Contacted Supin Yoder at FHWA in Washington to discuss the DRIC travel demand analysis.
- Coordinated internally within the consulting team to begin preparation for the use of VISSIM, Paramics, and Border Wizard.

B. Products

- None as none required.

C. Task Evaluation

- The Traffic Analysis Report will be finalized and posted on the Web once additional comments are received from MDOT.
- Supin Yoder was generally aware of the status of the DRIC Study, particularly in the modeling area. However, no significant issues were raised by her. Additional contact will be made as the project unfolds.
- The traffic data collection continues to be in need of a way to define the use of trucks of such interconnections between I-75 and I-94 as Southfield Road, Schaefer Road, or Outer Drive. This matter is still not resolved but the preliminary concept is to distribute through the automobile manufacturers a survey of their shippers to gain information on this matter.

D. Upcoming Plans

- Finalize the traffic data collection procedure and begin data collection, recognizing the effect in late January of the Super Bowl.
- Continue to coordinate internally among the consulting team on the application of VISSIM, Paramics, and Border Wizard.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Met with EPA on December 2nd to discuss the PM_{2.5} conformity issues and gain input on the DRIC cumulative/secondary impacts analysis.

B. Products

- Materials and notes of the December 2nd meeting with U.S. EPA.

C. Task Evaluation

- An aggressive approach must be taken with U.S. EPA to define, at an early point, EPA's input on the need for a PM_{2.5} conformity analysis at hotspots. Likewise, EPA input on the indirect and cumulative effects analysis is needed.

D. Upcoming Plans

- Teleconference with EPA on PM_{2.5} conformity and indirect/cumulative impact analysis.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- Met with U.S. Customs and Border Protection Agency on December 19th to review the Illustrative Alternatives evaluation results and to help define the Practical Alternatives.
- Met on December 20th with the U.S. Army Corps of Engineers to review the Illustrative Alternatives evaluation results and to help define the Practical Alternatives.
- Continued to respond to inquiries from proponents whose options have been eliminated from further consideration as to efficacy of the Illustrative Alternatives analysis results.
- Continue to respond to inquiries by LAC members on the Illustrative Alternatives analysis results.

B. Products

- Materials and notes of the December 19th meeting with U.S. CBP.
- Materials and notes for the December 20th meeting with U.S. Corps of Engineers.

C. Task Evaluation

- Cooperation from both the Corps of Engineers and Customs and Border Protection Agency representatives is very valuable in reviewing the Illustrative Alternatives results and defining Practical Alternatives.
- Meetings with community representatives of the Delray and southwest Detroit areas were very positive and will assist in defining and analyzing the Practical Alternatives.
- Few issues were raised about the results of the U.S. Illustrative Alternatives evaluation process. On the other hand, concerns were raised about the Canadian analysis of the second span of the Ambassador Bridge.
- For all practical purposes, December brings to a close the work on the Illustrative Alternatives. Future work will be focused in the Practical Alternatives evaluation.

D. Upcoming Plans

- The work in this task has been completed. Any remaining issues will be addressed in the Practical Alternatives analysis.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT**A. Work Progress**

- This work has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES**A. Work Progress**

- Met on December 2nd with U.S. EPA to inquire of the PM_{2.5} conformity rules that will affect the ongoing DIFT analysis.
- Met on December 2nd to request input from U.S. EPA on the conduct preparation of the indirect/cumulative effects analysis.
- Requested of FHWA a “workshop” on the ICE analysis of the DRIC Study.
- Assisted MDOT as it follows-up on the soon-to-be-issued right-of-entry letters to property owners for analyses in the historic, archaeological, wetland and hazardous material issues.
- Continued the historic recordation process.
- Continued the develop of the land use histories to be used to guide the area’s cultural analysis investigations.
- Conducted a tour of historic Fort Wayne.

- Participated in the December 14th and 21st workshops to define the plaza area for the Practical Alternatives.
- Met with a representative group of the Delray area after the December 21st workshop to discuss the analysis procedures going forward.
- Met with the Gateway Community Development Collaborative on December 22nd to discuss the analysis procedures going forward.
- Continued to refine the GIS database linking photographs of over 4,500 properties in the analysis area to various background data on historic issues, tax records, and the like.
- Defined and digitized horizontal and vertical alignment of I-75 in Area of Interest using surveys provided by Woolpert and as-built plans provided by MDOT. This was accomplished in Geopack.

B. Products

- Refined GIS database of all of the properties in the area from Zug Island upriver to the Ambassador Bridge plaza from the Detroit River to just north of I-75.

C. Task Evaluation

- Response is needed from U.S. EPA on the issues of PM_{2.5} conformity and what they may wish to see in the ICE analysis/reporting.
- A workshop with FHWA and MDOT would also strengthen the approach to the ICE analysis.
- Field work will be even further narrowed once a plaza location(s) is defined inside the larger area of continued analysis.
- Right-of-entry letters will soon be mailed. Preparatory information has been provided through the LAC to ensure people understand that the right-of-entry is for data analysis, not for property acquisition.
- Properties through which right-of-entry is required need to be defined for the geotechnical evaluation of the presence of brine wells.

D. Upcoming Plans

- Cooperate with the geotechnical specialist of the consulting team to define the locations for drilling equipment associated with the brine well investigation.
- Define the area within the continued analysis area to conduct right-of-entry for the historic, cultural, wetlands and hazardous materials analyses.

- Continue analysis of the air quality requirements associated with the EPA's approach to PM_{2.5} conformity.
- Conduct noise measurements at and around the Ambassador Bridge for use in the noise analysis.
- Conduct noise analysis at key spots along various roadway linkages to document the impacts of the Practical Alternatives.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- Additional aerial photography is not needed at this time of the area from Schaefer Road and Southfield Road between I-75 to I-94.

B. Products

- None.

C. Task Evaluation

- It now seems unlikely that a freeway connection between I-73 and I-94 will be pursued.

D. Upcoming Plans

- None until the Practical Alternatives require.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Developed work plan for right-of-entry and schedule of activities to perform work necessary for identification of extent of brine wells in the area of continued analysis.
- Developed work schedule for the collection of geotechnical data for foundations at crossing locations.
- Coordinated with the Canadian Consultant to reconcile the different levels of geotechnical work to be done in Canada and the U.S.
- Developed a schedule for roadway geotechnical work as input to the development of the Practical Alternatives.

B. Products

- A schedule of activities.

C. Task Evaluation

- The work plan and schedule has been developed for the next year.

D. Upcoming Plans

- Develop preliminary span length of crossings to determine location of footings to further define the area of investigation for the brine wells.
- Continue solution mining research. Prepare a technical memorandum.
- Define properties on which to locate drilling equipment.

TASK 9 (2340) – PRACTICAL ALTERNATIVES**A. Work Progress**

- Met with CBP in Detroit on December 19th to gather input to define the Practical Alternatives.
- Met with the U.S. Army Corps of Engineers on December 20th to gather input to define the Practical Alternatives.
- Cooperated with the Canadians to define the allocation of work for all crossing design-related activities.
- Secured FEMA maps in the area of continued analysis.
- Initiated contact with the Border Wizard consultant to coordinate the schedule of the upcoming border processing analyses.
- Investigated the feasibility of building a border crossing that connects the Gateway plaza directly to a Canadian plaza.
- Secured maintenance-of-traffic plans for the Ambassador Bridge Gateway Project.
- Met with the community to gain input to defining the plaza for the Practical Alternatives.
- Began developing Practical Alternatives components of:
 - ✓ Interchanges,
 - ✓ Crossings, and
 - ✓ Plazas.
- Continued with the development of preliminary profiles of potential crossings at different locations along the river in the area of continued analysis.
- Sent letters to utility companies regarding the location of their infrastructure within the area of interest.
- Developed preliminary information on navigational envelop on the Detroit River in the area of continued analysis to start developing and comparing cost performance of crossing alternatives with piers on the banks of the river and piers in the river close to the river's edge.

- Started refining design criteria to fit functions and classifications of the different components of the crossing system: i.e., access ramps to freeways vs. internal plaza routes, etc.
- Refined the plan for a 50/50 split of the work with the Canadian Team at the crossings.

B. Products

- Agenda, meeting materials and notes of the December 19th meeting with the US CBP.
- Agenda, meeting materials and notes of the December 20th meeting with the U.S. Army Corps of Engineers.
- Meeting with URS Canada on December 27th to define the preliminary Practical Alternative plaza locations.
- Identification of interchange locations and options along I-75.
- Detailed schedule of activities for the engineering work during the next phase of the study.
- Preliminary profiles and alignments of potential crossings of the river in the area of continued analysis.
- Update of the design criteria technical memo.

C. Task Evaluation

- Cooperation of the federal agencies, such as the Coast Guard, the Corps of Engineers, and Customs and Border Protection, has been very helpful in gaining an understanding of their review of the Illustrative Alternatives evaluation as well as gathering input to define the Practical Alternatives.

D. Upcoming Plans

- Meet with U.S. CBP in mid-January to discuss the preliminary plaza location for the Practical Alternatives.
- Cooperate with the Canadians to finalize the allocation of work for all crossing design-related activities.
- Develop plaza alternatives within the area of continued analysis.
- Develop preliminary circulation plan from the crossing to the interstate.
- Finalize navigational envelop and submit different crossing options to Coast Guard and the Corps of Engineers for feedback.
- Develop interchange options at different locations along I-75 to tie to the new crossing and plaza alternatives.

- Coordinate with the Canadians on a cross-section for the new crossing for the Practical Alternatives and present recommendations at the January Core Team and Working Group meetings.
- Coordinate with the Canadians on the Context Sensitive Solutions work program for the proposed crossing.
- Work with Border Wizard to coordinate the schedule of the upcoming traffic and border processes analysis.
- Continue to collect traffic data necessary for upcoming level-of-service analysis and traffic simulation of the Practical Alternatives.
- Prepare for a meeting with MDOT engineers on geotechnical and related issues.
- Prepare for a utility coordination meeting to be held in February 2006.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Set meeting with MDOT engineers on Geotechnical and related issues.
- Set February 23rd for a federal cooperating agencies meeting to further discuss the DRIC Study process and DEIS preparation.

B. Products

- None, as none required.

C. Task Evaluation

- Additional meetings, other than those on a quarterly basis, will be conducted with a number of federal cooperating agencies (Coast Guard, Corps of Engineers, CBP) to engage them in the review/evaluation of the Practical Alternatives.

D. Upcoming Plans

- Begin preparation of early segments of the DEIS such as Purpose and Need and the list of alternatives.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Continued to refine the definition of the area in which right-of-entry to private properties will be needed to evaluate the potential for hazardous material.

B. Products

- None, as none required.

C. Task Evaluation

- Cooperation will continue with MDOT on securing rights-of-entry. It may take time to gain permission to enter on properties either directly through the owners or through the courts.

D. Upcoming Plans

- Continue to cooperate with MDOT on the right-of-entry issues to conduct the initial site assessment for hazardous materials.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Waited for definition of Practical Alternatives to resume work.

B. Products

- None, as none required.

C. Task Evaluation

- Further work in this area awaits the definition of the Practical Alternatives.

D. Upcoming Plans

- None.

TASK 19 (3320) – CONTROL SURVEY FOR AERIALS

A. Work Progress

- Waited for definition of Practical Alternatives to resume work.

B. Products

- None, as none required.

C. Task Evaluation

- Further work in this area awaits the definition of the Practical Alternatives.

D. Upcoming Plans

- None.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Began solution mining research.

B. Products

- None, as none required.

C. Task Evaluation

- This task will first establish the locations on which drilling equipment will be placed to continue the geotechnical investigation of brine well conditions.

D. Upcoming Plans

- Prepare a technical memo to establish the locations for drilling equipment.
- Meet with MDOT engineers to discuss geotechnical and related issues.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Met with the community in two workshops to discuss their issues and concerns as well as their vision for the area of continued analysis.

B. Products

- A report on the vision for the continued analysis area, without and with a new border crossing.
- Internal documentation that defines the preliminary plaza location based upon input from the community received at the December 21st workshop.

C. Task Evaluation

- Cooperation with the local community has been both constructive and positive, which bodes well for the definition of Practical Alternatives.

D. Plans for Next Reporting Period

- Meet at two workshops in January with the community so that the preliminary definition of the plaza's location can be established and early discussions can be undertaken about areas that may require mitigation.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

A change order for additional work was secured in November. The work in a number of areas is now underway.

E. ITEMS NEEDED FROM MDOT

- Assistance in dividing the engineering work on the border crossing facilities between the U.S. and Canadian consulting teams.
- Meeting with MDOT and FHWA on the scope of the Indirect and Cumulative Analysis.
- As-built plans for:
 - ✓ I-375 in Downtown Detroit.
 - ✓ Public utility information.
 - ✓ Right-of-entry paperwork on properties needed to advance the analysis of the Practical Alternatives.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended the following meetings on:
 - ✓ December 2nd with U.S. EPA.
 - ✓ December 7th tour of the Sandwich, Windsor area.
 - ✓ December 8th with the Steering Committee.
 - ✓ December 14th with the public in a workshop.
 - ✓ December 19th with U.S. Customs and Border Protection.
 - ✓ December 20th with the U.S. Army Corps of Engineers.
 - ✓ December 20th with the MDOT Core Team.
 - ✓ December 21st with senior management on the governance issue and the role of Governor Blanchard in it.
 - ✓ December 21st with the public in a workshop.
 - ✓ December 27th with URS to define, on a preliminary basis, Practical Alternatives.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Context Sensitive Design 2
First week of July 2006	First week of July 2006	13 Community Impact Assessment 2
Fourth week of July 2006	Fourth week of July 2006	14 Engineering Concepts Report
First week of August 2006	First week of August 2006	15 Context Sensitive Design 3
Second week of August 2006	Second week of August 2006	16 Preliminary DEIS
Second week of October 2006	Second week of October 2006	17 Draft DEIS
Fourth week of November 2006	Fourth week of November 2006	18 Public Hearing Script/Video
Second week of December 2006	Second week of December 2006	19 FHWA Approved DEIS
Second week of January 2007	Second week of January 2007	20 DEIS Public Hearing
Second week of April 2007	Second week of April 2007	21 Public Hearing Comment Summary
Fourth week of July 2007	Fourth week of July 2007	22 Recommended Alternative
Fourth week of August 2007	Fourth week of August 2007	23 Final EIS
Fourth week of September 2007	Fourth week of September 2007	24 Final Engineering Report
Fourth week of November 2007	Fourth week of November 2007	25 MOU
Second week of December 2007	Second week of December 2007	26 Recommended Alternative Presentation
Fourth week of December 2007	Fourth week of December 2007	27 Access Justification Report
Fourth week of December 2007	Fourth week of December 2007	28 ROD

¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

H. CONTACT RECORDS

- Daily e-mail and conversations by phone and in person with MDOT Project Manager and MDOT personnel.
- Two status reports.
- Monthly progress report.
- Meetings of:
 - ✓ December 2nd with U.S. EPA.
 - ✓ December 7th tour of the Sandwich, Windsor area.
 - ✓ December 8th with the Steering Committee.
 - ✓ December 14th with the public in a workshop.
 - ✓ December 19th with U.S. Customs and Border Protection.
 - ✓ December 20th with the U.S. Army Corps of Engineers.
 - ✓ December 20th with the MDOT Core Team.
 - ✓ December 21st with senior management on the governance issue and the role of Governor Blanchard in it.
 - ✓ December 21st with the public in a workshop.
 - ✓ December 27th with URS to define, on a preliminary basis, Practical Alternatives.

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February 13, 2006

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

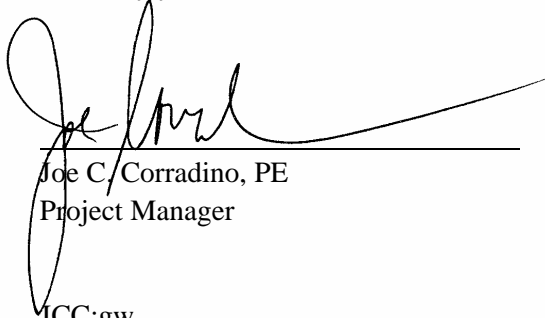
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 13 Progress Report

Dear Mohammed:

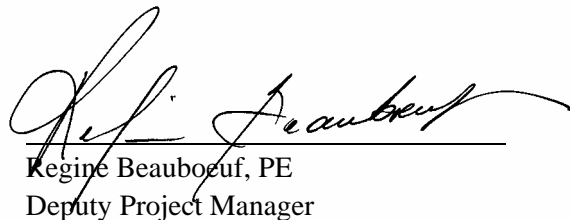
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 13 for January 2006. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
JANUARY 1 THROUGH JANUARY 31, 2005**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Conducted two workshops:
 - ✓ January 4th to present the preliminary vision statements without and with the new river crossing as well as a preliminary location for the plaza(s).
 - ✓ January 18th to present the revised vision statements and plaza locations.
- Met with U.S. Customs and Border Protection Agency on January 9th to discuss the preliminary plaza location(s) for the new river crossing.
- Conducted a public meeting in Delray on January 17th at the request of an LAC member
- Met with the MDOT Core team on January 18th.
- Conducted meetings with the City of Detroit agencies (Planning Commission staff, Economic Growth Corporation staff, and Planning and Development Department staff) on January 23rd and 24th to discuss the master planning activities.
- Met with the Local Agency Group on January 25th.
- Met with the Local Advisory Council on January 25th.
- Met with the Working Group on January 26th.
- Assisted in the preparing a presentation to be made by MDOT at the Transportation Research Board annual conference held in Washington D.C. in late January.
- Continued to work with the community to gain right-of-entry to properties for detailed DRIC field analysis.
- Prepared for the February 23rd federal agency coordinating meeting.
- Began developing an updated Briefing Book to present to the state legislature in January.
- Prepared notice for opening of the field office.

- Teleconferenced with MDOT's management and Governor Blanchard to discuss the impacts of the then-upcoming (January 23rd) Canadian federal elections.
- Provided input in responding to a letter from the Ambassador Bridge of December 16th to Roger Ward raising questions about the Illustrative Alternatives analysis process.
- Provided input in responding to a letter from the Ambassador Bridge of January 3st to Mohammed Alghurabi demanding MDOT terminate the DRIC Study and containing other allegations.
- Assisted in responding to media inquiries, letters, e-mails, comment forms, and calls to the telephone hotline, as appropriate.
- Helped prepare two status reports and the monthly progress report.

B. Products

- Materials for the January 4th and January 18th workshops.
- Materials for the January 9th discussion with U.S. Customs and Border Protection on plaza locations.
- Materials for a public meeting on January 17th in the Delray area.
- Materials for the January 25th meetings with the Local Agency Group and the Local Advisory Council.
- Materials for the meeting with the Working Group on January 26th.
- Materials for the PowerPoint presentation used at the Transportation Research Board annual conference.
- Draft mailer to announce the opening of the field office.

C. Task Evaluation

- The community workshops continue to strengthen the positive relationship with the Delray and Greater Southwest Detroit area community. The public input on locating the plaza has been valuable and will lay the groundwork for constructing a Draft Environmental Impact Statement.
- Cooperation with the U.S. Customs and Border Protection Agency has been strong. Regular engagement will help strengthen the engineering and environmental analysis.

D. Upcoming Plans

- Conduct the final workshop in this series of five workshops to develop the plaza location and to establish the preliminary Practical Alternative connections between the plaza and the river crossing and the plaza and I-75.
- Conduct the first workshop on master planning in the Delray area on February 27th.
- Meet with U.S. Customs and Border Protection Agency during the week of February 13th to discuss the preliminary Practical Alternatives.
- Meet on February 14th with the MDOT Coordination Team.
- Brief the Detroit Planning Commission on February 16th.
- Meet on February 21st with the state agencies to brief them on the preliminary Practical Alternatives.
- Assist MDOT as it prepares for a meeting with the PPRB on February 21st.
- Meet on February 22nd with the Working Group.
- Meet on February 22nd with the Local Agency Group and the Local Advisory Council.
- Meet on February 23rd with the federal cooperating agencies.
- Finalize the briefing book for a presentation to the state legislature.
- Open the field office.
- Determine if there will be a joint LAC/CCG meeting on March 22nd.
- Finalize the mailer for the March 29th public meeting.
- Prepare for the Partnership Steering Committee meeting on March 1st.
- Decide on the date of the next PSAG meeting

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT**A. Work Progress**

- Began manual traffic counting on a number of arterials throughout the southwest Detroit area.
- Finalized the agreement to conduct aerial surveillance in February, after the Super Bowl, to collect traffic information on freeways.
- Met with MDOT on January 18th to review the comments on the Traffic Analysis Report.
- Began the update of the Traffic Analysis Report.
- Presented a paper on the next steps to be taken in the traffic analysis area (Phases II and III).
- Coordinated with Regal Systems on installing/applying the Border Wizard model.

B. Products

- Memorandum to MDOT on the next steps in the traffic analysis area.

C. Task Evaluation

- The Traffic Analysis Report from Phase I of the DRIC Study is being updated. However, the pressure is on conducting the Phase II/Phase III analyses, taking precedence over finalizing the Phase I TAR.

D. Upcoming Plans

- Analyze and begin to use the manual traffic counts collected on arterials throughout southwest Detroit.
- Collect aerial surveillance of freeway traffic information.
- Continue to update the Traffic Analysis Report of Phase I activities for finalization.
- Continue the Phase II modeling steps of a refined network and calibration with new traffic data.
- Work with Regal Systems to install and begin application of Border Wizard.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Teleconferenced with EPA on January 12th to further discuss the developments in terms of PM_{2.5} analyses.

B. Products

- Notes from the January 12th teleconference with U.S. EPA.

C. Task Evaluation

- U.S. EPA has decided it will not press for a health impacts analysis.

D. Upcoming Plans

- Meet with MDOT and FHWA to discuss the scope to the indirect/cumulative effects analyses.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Cooperated with the geotechnical specialists of the consulting team to define the locations for drilling equipment associated with the brine well investigation.
- Continued to cooperate with MDOT to further advance the right-of-entry requests.
- Defined the exact procedure to conduct noise measurements at and around the Ambassador Bridge for use in the noise analyses and public meetings.
- Conducted field investigations for the following purposes: cultural analysis, wetlands analysis, coastal zone management analyses, and threatened and endangered species analyses.
- Researched and reviewed past studies and other data sources with respect to wetlands, threatened and endangered species, cultural resources, and coastal zone management issues.
- Updated the data included in the Illustrative Alternatives analysis for the 310-acre plaza location in the following areas:
 - ✓ Protect Neighborhood/Community Characteristics
 - ✓ Maintain Consistency with Local Planning
 - ✓ Protect Cultural Resources
 - ✓ Protect the Natural Environment
- Continued the development of land use histories to be used as a guide in the area's cultural analysis investigations.
- Distributed to the LAC the list of organizations to be interviewed in the cultural analysis area.
- Defined the area within which the cultural analysis will be conducted.
- Defined the list of organizations/individuals to be interviewed for the cultural analysis

B. Products

- Updated data in the following analysis areas for the 310-acre plaza location in Delray: Protect Neighborhood/Community Characteristics; Maintain Consistency with Local Planning; Protect Cultural Resources; and, Protect the Natural Environment.
- Definition of the area within which the cultural analysis will be conducted.
- Definition of the list of organizations/individuals to be interviewed for the cultural analysis.

C. Task Evaluation

- Very little response was received from the LAC with respect to the list of those to be interviewed for the cultural analysis. Nonetheless, that work will now begin.
- The indications that a PM2.5 hotspot analysis will not be conducted will be important to the conducting the air quality analysis.
- The right-of-entry issue will be key to the timely completion of fielding investigations to support the analysis of the Practical Alternatives.

D. Upcoming Plans

- Continue to cooperate with MDOT to advance the right-of-entry issues.
- Conduct the noise measurements at or around the Ambassador Bridge for use in the noise analysis and at public meetings.
- Continue field work and other inventories to conduct the SEE analyses.
- Prepare for a meeting with MDEQ and U.S. Fish and Wildlife Service to review the threatened and endangered species analyses in the Detroit River.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- None until the Practical Alternatives require.

B. Products

- None.

C. Task Evaluation

- This task will resume once the Practical Alternatives are defined.

D. Upcoming Plans

- None until the Practical Alternatives have been approved by the Steering Committee.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Participated in a meeting with MTO and MDOT on January 6th to discuss the various differences in brine well investigation methods on the U.S. and Canadian sides of the border.

- Prepared for and participated in a meeting on January 24th with MDOT and at a subsequent meeting with the Ministry of Transport of Ontario on the proposed brine well investigation plan.
- Developed a preliminary boring plan.
- Reviewed the draft policy being considered by MDOT in regards to bridge foundations in proximity to brine wells.
- Assisted in the preliminary definition on properties where drilling equipment will be located.
- Received information from MDEQ that it will require a permit to drill for the brine well investigation.

B. Products

- Input to the discussions with MDOT and MTO on the brine well investigation procedures.
- PowerPoint presentation used at the January 24th meeting with MDOT and MTO.

C. Task Evaluation

- The key to the brine well investigation will be gaining right-of-entry on a timely manner with the property owners on which to locate the drilling equipment.
- An additional concern about the drilling is that the rate of which it will cause “a commotion in the neighborhoods.” Some way to mitigate this problem must be developed so that the issue will not become a “cause celeb” attracting complaints and media attention.
- MDOT will not finalize draft the policy on the location of bridge foundations in proximity to brine wells until additional information is collected through the brine well investigation.
- The need for a permit from MDEQ to conduct the brine well investigation introduces a significant cost and potential delay issue. Each hole that will be drilled will likely cost \$10,000 in terms of a permit application fee.

D. Upcoming Plans

- Prepare the boring plan for the brine well investigation.
- Provide a revised scope, schedule and budget for the boring plan, particularly if it requires additional holes, than the four contemplated in the current budget.
- Apply for and press for the MDEQ permit
- Assist MDOT in gaining right-of-entry.
- Begin marshalling the drilling equipment.
- Submit a revised scope and budget for drilling for PPRB review.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Met with U.S. Customs and Border Protection on January 9th to discuss the preliminary plaza locations for the Practical Alternatives.
- Refined plaza alternatives based upon interaction with the public in workshops.
- Developed potential crossing alignments in the X-10 and X-11 corridors.
- Finalized the navigational envelope for the Detroit River based on existing constraints at the Ambassador Bridge.
- Developed potential bridge pier arrangements at piers located in the river for comparison purposes of the crossing where the piers are not in the river. In all cases piers are located outside the navigational channel.
- Corresponded with the U.S. Coast Guard asking for feedback on the validity and their acceptance of a concept where the piers are located in the river (but outside the navigational channel).
- Continued to cooperate with the utility companies for information on existing infrastructure.
- Prepared a set of preliminary Practical Alternatives for presentation at the February 8th workshop.
- Prepared for a coordination meeting with MDOT's geometric section to discuss the geometrics at the ramps connecting the plaza to I-75.

B. Products

- Preliminary Practical Alternatives.
- Correspondence with the U.S. Coast Guard indicating that it will accept as a reasonable option piers in the river but outside the navigational channel, if significant cost savings can be realized.

C. Task Evaluation

- The Coast Guard's agreement that a possible alternative will be to locate piers in the Detroit River outside the navigational channel has the potential for saving tens of millions of dollars.
- Practical Alternatives are taking shape with preliminary interchange and plaza options.

D. Upcoming Plans

- Meet with U.S. CBP in mid-February to discuss the preliminary Practical Alternatives.
- Meet with MDOT on February 14th to discuss the preliminary Practical Alternatives.
- Meet with state agencies on February 21st to discuss the preliminary Practical Alternatives

- Prepare for and participate in the meeting with the PPRB to discuss the boring plan and any update in cost associated with it.
- Meet with the Working Group on February 22nd to discuss the preliminary Practical Alternatives.
- Meet with the federal cooperating agencies on February 23rd to discuss the preliminary Practical Alternatives.
- Prepare for further detailing of the preliminary Practical Alternatives for presentation to the Steering Committee on March 2nd.
- Press for a utility coordination meeting to receive the last of the information still due.
- Request and prepare for a geometric design criteria review meeting with the MDOT technical staff.
- Submit a navigational envelope request to the Corps of Engineers
- Coordinate with the Canadian team on the cross-section for the new crossing of the Practical Alternatives.
- Continue to coordinate with the Canadians on the Context Sensitive Solutions work program.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Began preparing early segments of the DEIS such as the Purpose and Need and the list of alternatives.

B. Products

- None, as none required.

C. Task Evaluation

- Additional meetings with the Coast Guard, Corps of Engineers, and CBP will further define the need for the DEIS.

D. Upcoming Plans

- Meet with the state cooperating agencies on February 21st.
- Meet with the federal cooperating agencies on February 23rd.
- Continue the preparation of early sections of the DEIS.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Continued to cooperate with MDOT on the right-of-entry issues to conduct the initial site assessment for hazardous materials.

B. Products

- None, as none required.

C. Task Evaluation

- Gaining right-of-entry will be absolutely key to the progress of the study in 2006.

D. Upcoming Plans

- Continue to cooperate on a daily basis with MDOT to gain right-of-entry.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Waited for definition of Practical Alternatives to resume work.

B. Products

- None, as none required.

C. Task Evaluation

- Further work in this area awaits the definition of the Practical Alternatives.

D. Upcoming Plans

- None.

TASK 19 (3320) – CONTROL SURVEY FOR AERIALS

A. Work Progress

- Waited for definition of Practical Alternatives to resume work.

B. Products

- None, as none required.

C. Task Evaluation

- Further work in this area awaits the definition of the Practical Alternatives.

D. Upcoming Plans

- None.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Continued research on brine well locations.
- Draft preliminary report on historical solution mining activities and revised it.
- Attended a meeting on January 24th with MDOT and MTO to discuss the brine well investigation program.
- Began preparing a MDEQ permit application for brine well borings.
- Met with MDEQ on January 31st to discuss the brine well boring plan.

B. Products

- Draft report on the history of solution mining in the focused analysis area.

C. Task Evaluation

- MDEQ has indicated that it will require a permit to drill for the brine well investigation. The permit application fee will likely be \$10,000 per hole based on the final boring plan. This could total somewhere between \$40,000 and \$200,000.
- The key to success in the brine well investigation is gaining right-of-entry to properties on which the drilling rigs will be located.
- The drilling rigs to be located in the Delray area will be very large and will create noise on a 24/7 basis for at least 30 days at a single location.

D. Upcoming Plans

- Prepare the boring plan and submit it to MDOT and MDEQ.
- Prepare an updated scope consistent with the number of boring holes agreed to by MDOT.
- Submit the drilling application to MDEQ. Press for its approval.
- Assist MDOT with the right-of-entry to advance the boring plan.

TASK 26 (3710) – REQUIRED MITIGATION**A. Work Progress**

- Met at two workshops in January (4th and 18th) with the community so that the preliminary definition of plaza locations can be established and early discussions can be undertaken about areas that may require mitigation.

B. Products

- Definition of the plaza location for discussion at the January workshops.

C. Task Evaluation

- Cooperation with the local community has been very constructive and positive. This will be critical in advancing both master planning for the area as well as gaining right-of-entry for various technical analyses.

D. Plans for Next Reporting Period

- Conclude the series of five workshops on February 8th with a discussion of the preliminary Practical Alternatives.
- Start the workshops on master planning on February 27th.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

A change order for additional work was secured in November. The work in a number of areas is now underway.

E. ITEMS NEEDED FROM MDOT

- Assistance in dividing the engineering work on the border crossing facilities between the U.S. and Canadian consulting teams.
- Meeting with MDOT and FHWA on the scope of the Indirect and Cumulative Analysis.
- As-built plans for:
 - ✓ I-375 in Downtown Detroit.
 - ✓ Public utility information.
 - ✓ Right-of-entry paperwork on properties needed to advance the analysis of the Practical Alternatives.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended the following meetings on:
 - ✓ January 4th with the public in a workshop.
 - ✓ January 9th with CBP on the preliminary plaza location.
 - ✓ January 18th with the public in a workshop.
 - ✓ January 18th with the MDOT Core Team.
 - ✓ January 23rd with City representatives on master planning.
 - ✓ January 24th with the Local Agency Group.
 - ✓ January 24th with the Local Advisory Council.
 - ✓ January 24th with MDOT and MTO on the preliminary boring plan for brine well investigation.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Context Sensitive Design 2
First week of July 2006	First week of July 2006	13 Community Impact Assessment 2
Fourth week of July 2006	Fourth week of July 2006	14 Engineering Concepts Report
First week of August 2006	First week of August 2006	15 Context Sensitive Design 3
Second week of August 2006	Second week of August 2006	16 Preliminary DEIS
Second week of October 2006	Second week of October 2006	17 Draft DEIS
Fourth week of November 2006	Fourth week of November 2006	18 Public Hearing Script/Video
Second week of December 2006	Second week of December 2006	19 FHWA Approved DEIS
Second week of January 2007	Second week of January 2007	20 DEIS Public Hearing
Second week of April 2007	Second week of April 2007	21 Public Hearing Comment Summary
Fourth week of July 2007	Fourth week of July 2007	22 Recommended Alternative
Fourth week of August 2007	Fourth week of August 2007	23 Final EIS
Fourth week of September 2007	Fourth week of September 2007	24 Final Engineering Report
Fourth week of November 2007	Fourth week of November 2007	25 MOU
Second week of December 2007	Second week of December 2007	26 Recommended Alternative Presentation
Fourth week of December 2007	Fourth week of December 2007	27 Access Justification Report
Fourth week of December 2007	Fourth week of December 2007	28 ROD

¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

H. CONTACT RECORDS

- Daily contact records, daily e-mails and conversations by phone and in person with the MDOT Project Manager and other MDOT personnel.
- Two status reports.
- Monthly progress report.
- Meetings of:
 - ✓ January 4th with the public in a workshop.
 - ✓ January 9th with CBP on the preliminary plaza location.
 - ✓ January 18th with the public in a workshop.
 - ✓ January 18th with the MDOT Core Team.
 - ✓ January 23rd with City representatives on master planning.
 - ✓ January 24th with the Local Agency Group.
 - ✓ January 24th with the Local Advisory Council.
 - ✓ January 24th with MDOT and MTO on the preliminary boring plan for brine well investigation.

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March 15, 2006

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

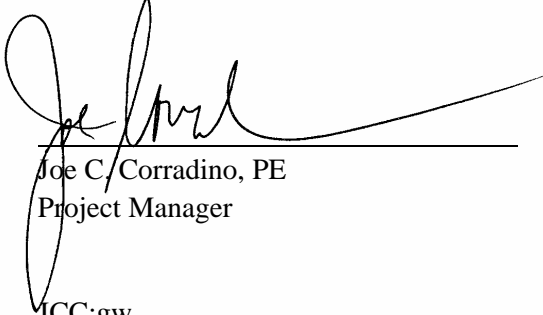
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 14 Progress Report

Dear Mohammed:

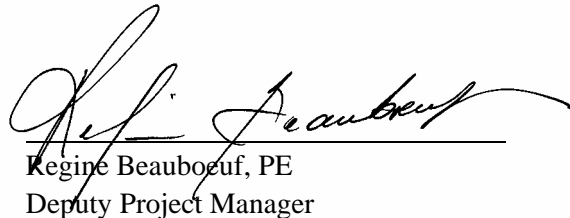
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 14 for February 2006. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
FEBRUARY 1 THROUGH FEBRUARY 28, 2005**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Conducted on February 8th the final workshop in a series of five to develop plaza analysis zone and establish the preliminary alternative connections between the plaza zone and the river crossing and the plaza zone and I-75.
- Met on February 17th with the U.S. Customs and Border Protection Agency/Detroit to discuss the preliminary alternatives.
- Met on February 24th with U.S. Customs and Border Protection Agency/Washington, D.C. to discuss the preliminary alternatives.
- Met on February 14th with the MDOT Core Team.
- Briefed on February 16th the Detroit Planning Commission.
- Met on February 21st with the state agencies to brief them on the preliminary alternatives.
- Participated on February 21st in a meeting with MDOT's PPRB.
- Met on February 22nd with the Working Group.
- Met on February 22nd with the Local Agency Group and the Local Advisory Council.
- Met on February 23rd with the federal cooperating agencies.
- Assisted MDOT in its presentation before the Transportation Commission on February 23rd.
- Conducted a tour of Delray on February 25th.
- Conducted on February 27th the first workshop on master planning in the Delray area.
- Attended a joint meeting of the City Councils of Detroit on February 28th.
- Prepared for the Working Group meeting on March 1st.
- Prepared for the Partnership Steering Committee meeting on March 2nd.

- Determined that a joint meeting of the CCG and LAC would be held in Windsor on March 22nd.
- Finalized and distributed the mailer for the March 29th public meeting.
- Decided that the Private Sector Advisory Group would be reconvened on March 28th.
- Finalized the Briefing Book for a presentation to the State Legislature.
- Opened the field office.
- Helped prepare two Status Reports and the monthly Project Progress Report.
- Assisted in responding to media inquiries, letters, e-mails, comment forms, and calls to the telephone hotline, as appropriate.

B. Products

- Materials and notes for:
 - ✓ The workshops on February 8th and 27th.
 - ✓ The two U.S. Customs meetings on February 13th and 24th.
 - ✓ The MDOT Core Team meeting on February 14th.
 - ✓ The meeting of the state agencies on February 21st.
 - ✓ The Working Group meeting on February 22nd.
 - ✓ The Local Advisory Group meeting on February 22nd.
 - ✓ The February 23rd federal cooperating agencies meeting.

C. Task Evaluation

- The communication portion of the DRIC Study continues to build a solid foundation for cooperation among local residents, their elected officials and MDOT to advance to a practical approach to the U.S. portion of the river crossing system.

D. Upcoming Plans

- Conduct the second and third master planning workshops on March 8th and 23rd, respectively.
- Prepare for and participate in the Working Group meeting of March 1st.
- Prepare for and participate in the Steering Committee meeting of March 2nd.
- Prepare for and participate in a presentation to the Detroit Environmental Affairs Department on March 8th to address the right-of-entry issues.
- Prepare for and participate in a briefing of the West Fourth Street Business Association on March 10th.
- Prepare for and participate in the joint LAC/CCG meeting on March 22nd.

- Prepare for and participate in the March 29th public meetings: 10:00 a.m. to 1:30 p.m. at the Delray Recreation Center; 5:30 to 8:30 p.m. at Southwestern High School.
- Prepare for and participate in the Public Sector Advisory Group meeting on March 28th.
- Prepare for and participate in the Working Group meeting on March 30th.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Began the aerial surveillance as there was a break in the weather.
- Analyzed and began to use the manual traffic count information collected on arterials throughout southwest Detroit.
- Continued to update the Traffic Analysis Report of Phase I activities for final presentation to MDOT.
- Continued Phase II modeling steps to refine the travel demand model for use in analyzing the Practical Alternatives.
- Conferred with Customs and Border Protection and received advice that the Border Wizard model should be applied by the General Services Administration (GSA).
- Conducted a reasonableness comparison on Blue Water Bridge traffic as documented in the Blue Water Bridge Plaza Draft Environmental Impact Statement and in the DRIC travel demand model.

B. Products

- Updated trip tables for the refined travel demand model to be used in Phase II in analyzing the Practical Alternatives.
- Internal memorandum on the reasonableness check of Blue Water Bridge traffic from the DRIC Study versus the Blue Water Bridge Plaza DEIS.

C. Task Evaluation

- The guidance from the U.S. Customs and Border Protection agency that the Border Wizard model should be applied officially by the General Services Administration has led to the determination that Border Wizard will be applied on a very limited basis by the DRIC consulting team in order to ensure that the plaza size is correct.
- A check on the Blue Water Bridge traffic produced by two separate analysis techniques indicates that the results are quite close.

- The TAR for Phase I of the DRIC Study is being updated as time permits in light of the press to do other major activities to maintain the project's schedule on analyzing the Practical Alternatives and producing design-related traffic.

D. Upcoming Plans

- Fully integrate the consulting team effort on travel demand model applications.
- Complete the aerial surveillance to collect freeway traffic information, weather permitting.
- Begin application of the modeling processes to define the size requirements of the plaza and design requirements of the alternative interchanges with I-75.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Received word from EPA on the DIFT Project indicating that it is still pressing for the application of models that produce concentrations of PM_{2.5}.
- Met with the cooperating agencies on February 23rd to gain further input on the overall project.

B. Products

- Notes of the February 23rd cooperating agencies meeting.

C. Task Evaluation

- The U.S. EPA position on MDOT projects in Southwest Detroit on the application of models to produce concentrations of PM_{2.5} has not varied for the last few years. This is interesting in light of the guidance produced by FHWA on February 3rd that does not call for such quantitative analysis. It is also inconsistent with EPA's rules to be published in the *Federal Register*.

D. Upcoming Plans

- Continue to work with FHWA to resolve the air quality analysis protocol in light of EPA's consistent position that point source PM_{2.5} concentrations must be quantitatively developed.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Continued the development of land use histories to be used as a guide in the area's cultural analysis investigation.
- Continued the historic structure inventory in the area of continued analysis.
- Started the recordation process for the Delray East portion of the project.
- Continue to identify properties for which access will be needed to conduct archaeological investigations. Prepared plans in case desired properties cannot be accessed.
- Continued to define the area of potential effects (APE).
- Began drafting the technical report on the cultural resources that have been recorded so far.
- Met on February 22nd with the Detroit Department of Environmental Affairs to discuss right-of-entry to city-owned properties.
- Contacted the Michigan Natural Features Inventory and the Michigan Department of Natural Resources to obtain and view the 2005 mussels studies.
- Attended the state and federal cooperating agencies meeting to discuss in detail underwater (Detroit River) survey procedures.
- Began assembling SEE impact data for the different plaza alternatives that are advancing to the "practical" stage.

B. Products

- Additional materials submitted to MDOT and the City of Detroit to gain right-of-entry to sites at which field investigations are needed.

C. Task Evaluation

- Further coordination is needed with MDOT, MNFI, USFWS and MDNR to finalize the scope of the underwater (Detroit River) surveys. A meeting has been confirmed to do so on April 12th.
- Obtaining right-of-entry has proven to be a considerable challenge. However, the process is proceeding relatively smoothly in the area of cultural and natural features inventory as compared to gaining access for geotechnical purposes.

- The approach to the underwater (Detroit River) surveys is to use a submarine unit with remote photography. If there is a need for scuba diving investigation, then a change in scope will be required.

D. Upcoming Plans

- Continue to cooperate with MDOT and the City of Detroit to advance right-of-entry issues.
- Conduct the noise measurements at or around the Ambassador Bridge, if weather permits, for use in the noise analysis and at public meetings.
- Continue research as well as field work inventories to conduct the SEE analyses.
- Prepare for the April 12th meeting on the underwater (Detroit River) surveys.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- Continued to define additional photography and mapping needs for Practical Alternatives.

B. Products

- None, as none required.

C. Task Evaluation

- A spring 2006 flight and control layout plan is being prepared for MDOT review.

D. Upcoming Plans

- Began record search in the focus area including alignments, right-of-way, and land corners.
- Draft the flight and control layout plans for submission to MDOT.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Reviewed FHWA's brine well investigation comments. Prepared a memo in response.
- Conducted discussions with additional test boring contractors (Oil-Ex and Boart, Longyear).
- Conducted sight reconnaissance of borehole locations.
- Cooperated with MDOT and the City of Detroit in a February 22nd meeting to gain right-of-entry to the sites for boring. It is noteworthy that of the 14 borehole sites, the City of Detroit controls 10.
- Initiated a peer review through SOMAT Engineering of the NTH proposal in terms of methodology and cost.

- Worked with MDEQ's permit application process including taking steps to include surveying information, as needed, H₂S contingency plan, and to understand various issues dealing with disposal of drill cutting fluids, core samples, grouting and capping of finished holes.

B. Products

- Additional information requested by FHWA and MDOT to address questions dealing with the cross-hole seismic tomography brine well investigation technique.
- Additional information required to gain the MDEQ permit(s).
- Additional information required by the City of Detroit to gain right-of-entry permission.
- Further review and refinement of drilling program costs, including geophysics work, and interaction with the SOMAT Engineering peer group.

C. Task Evaluation

- Considerable interest and concern has been expressed over the approach to the brine well investigation. A principal driving force is the cost which is escalating rapidly from about \$500,000 (including drilling and all related geophysics work) to almost \$1 million per borehole.
- The peer review being conducted by SOMAT Engineering is intended to demonstrate the most effective analysis technique as well as define the most reasonable cost of the drilling program including geophysics work.
- Working with the different participants in the discussion of the brine well investigation plan indicates that an "out-of-house" peer review panel must be assembled to define the protocol to analyze the data that will result from the field investigations and to decide who will participate in that decision process and when those decisions will be made.
- Indications that considerable discussion is needed before the brine well investigation plan is approved is likely to delay the schedule of the overall project.

D. Upcoming Plans

- Complete the SOMAT Engineering peer review of the NTH proposal. Revise costs and schedules as a function of the peer review.
- Submit to FHWA/MDOT additional information on the tomography seismic investigation technique versus the high resolution surface seismic method.
- Prepare alternative schedules to reflect the review that is ongoing before a decision will be made on the field investigation technique.

- Prepare a schedule for defining and assembling the peer group to analyze the geotechnical field data and make recommendations.
- Continue to cooperate with MDOT and the City of Detroit to gain right-of-entry to the borehole locations.
- Prepare communications plan to accompany the field investigations.
- Develop a nuisance mitigation program for those families to be affected by the 24/7 drilling.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Met with the MDOT Core Team on February 14th to discuss the preliminary alternatives.
- Met with U.S. CBP/Detroit on February 17th to discuss the preliminary alternatives.
- Met with the state agencies on February 21st to discuss the preliminary alternatives.
- Met with PPRB on February 21st to discuss the boring plan, its costs, and any potential nuisance relief for affected residents.
- Met with the Working Group on February 22nd to discuss the preliminary alternatives.
- Met with the federal cooperating agencies on February 23rd to discuss the preliminary alternatives.
- Met with CBP/Washington on February 24th to review the preliminary alternatives.
- Updated design criteria for the geometrics meeting with MDOT on February 28th.
- Prepared a presentation of the preliminary alternatives to be made to the Steering Committee on March 2nd.
- Established preliminary bridge alignments based on preliminary boring program.
- Transmitted a preliminary navigation and pier location proposal to the U.S. Army Corps of Engineers.
- Began a navigation study of the Detroit River.
- Began structure studies at crossings X-10 and X-11.
- Defined the interchange geometry options for connecting I-75 to the plaza.
- Set-up GeoPak models to define the vertical and horizontal alignments for the ramp at the interchange.
- Began the vertical alignment analyses.
- Continued the development of preliminary profiles of potential crossings at different locations along the river in the area of continued analysis.
- Issued second letter to utility companies that have not yet responded to requests for information.

B. Products

- Materials for the PPRB, state and federal agencies meetings, and CBP meetings in Detroit and Washington.
- Updated design criteria for the meeting with MDOT geometrics.
- Letter to the utility companies requesting information.

C. Task Evaluation

- Currently the review by CBP at two levels indicates that there is no fatal flaw with the plaza design concepts. However, CBP made it clear that it/GSA will design and own the plaza. Therefore, CBP is to provide by mid-March specific requirements for its plaza and comments on the preliminary plaza alternatives presented in February.

D. Upcoming Plans

- Coordinate the traffic analysis work to ensure production of the correct information to satisfy the roadway design activities.
- Begin determination of ramp geometry, number of lanes, characteristics of weave/merge lanes, and the possible need for a collector/distributor road along the access ramps.
- Define the preliminary access to I-75 to reflect impacts to existing land, service drives, and neighborhoods along I-75.
- Continue to refine the preliminary alternatives based upon feedback from MDOT geometrics.
- Respond to CBP input and refine the plazas as appropriate.
- Step-up the activities in the context sensitive solutions area to prepare for the April 17th public meeting.
- Cooperate with MDOT to establish a utilities coordination meeting, particularly with the Detroit Water and Sewer Department.
- Coordinate with the Canadian team on the cross-section for the new crossing of the Detroit River and for an allocation of the design work.
- Apply the Border Wizard model to size the U.S. plaza.
- Begin to address local access to the neighborhoods, local industry, and Fort Wayne in the area of continued analysis.
- Cooperate with the surveyors to define the design survey needs (accuracy and extent of survey work).

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Met with the state cooperating agencies on February 21st.
- Met with the federal cooperating agencies on February 23rd.
- Received and reviewed the “easy-to-read” DEIS writing guidelines provided by MDOT.

B. Products

- None, as none required.

C. Task Evaluation

- The “easy-to-read” guidelines provided by MDOT, along with the overall schedule of the writing of the DEIS, is to be the subject of a meeting in March. This approach is to be determined “acceptable” to all cooperating agencies participating as well as various attorneys who litigate matters related to the EIS.

D. Upcoming Plans

- Meet with MDOT to review DEIS preparation and responsibilities.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Continued to cooperate with MDOT on the right-of-entry issues to conduct the initial site assessment for hazardous materials.

B. Products

- None, as none required.

C. Task Evaluation

- Gaining right-of-entry will be absolutely key to the progress of the study in 2006.

D. Upcoming Plans

- Continue to cooperate on a daily basis with MDOT to gain right-of-entry.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Waited for definition of Practical Alternatives to resume work.

B. Products

- None, as none required.

C. Task Evaluation

- Further work in this area awaits the definition of the Practical Alternatives.

D. Upcoming Plans

- None.

TASK 19 (3320) – CONTROL SURVEY FOR AERIALS

A. Work Progress

- Waited for definition of Practical Alternatives to resume work.

B. Products

- None, as none required.

C. Task Evaluation

- Further work in this area awaits the definition of the Practical Alternatives.

D. Upcoming Plans

- None.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Reviewed FHWA’s brine well investigation comments. Prepared a memo in response.
- Conducted discussions with additional test boring contractors (Oil-Ex and Boart, Longyear).
- Conducted sight reconnaissance of borehole locations.
- Cooperated with MDOT and the City of Detroit in a February 22nd meeting to gain right-of-entry to the sites for boring. It is noteworthy that of the 14 borehole sites, the City of Detroit controls 10.
- Initiated a peer review through SOMAT Engineering of the NTH proposal in terms of methodology and cost.
- Worked with MDEQ’s permit application process including taking steps to include surveying information, as needed, H₂S contingency plan, and to understand various issues dealing with disposal of drill cutting fluids, core samples, grouting and capping of finished holes.

B. Products

- Additional information requested by FHWA and MDOT to address questions dealing with the cross-hole seismic tomography brine well investigation technique.
- Additional information required to gain the MDEQ permit(s).
- Additional information required by the City of Detroit to gain right-of-entry permission.
- Further review and refinement of drilling program costs, including geophysics work, and interaction with the SOMAT Engineering peer group.

C. Task Evaluation

- Considerable interest and concern has been expressed over the approach to the brine well investigation. A principal driving force is the cost which is escalating rapidly from about \$500,000 (including drilling and all related geophysics work) to almost \$1 million per borehole.
- The peer review being conducted by SOMAT Engineering is intended to demonstrate the most effective analysis technique as well as define the most reasonable cost of the drilling program including geophysics work.
- Working with the different participants in the discussion of the brine well investigation plan indicates that an “out-of-house” peer review panel must be assembled to define the protocol to analyze the data that will result from the field investigations and to decide who will participate in that decision process and when those decisions will be made.

- Indications that considerable discussion is needed before the brine well investigation plan is approved is likely to delay the schedule of the overall project.

D. Upcoming Plans

- Complete the SOMAT Engineering peer review of the NTH proposal. Revise costs and schedules as a function of the peer review.
- Submit to FHWA/MDOT additional information on the tomography seismic investigation technique versus the high resolution surface seismic method.
- Prepare alternative schedules to reflect the review that is ongoing before a decision will be made on the field investigation technique.
- Prepare a schedule for defining and assembling the peer group to analyze the geotechnical field data and make recommendations.
- Continue to cooperate with MDOT and the City of Detroit to gain right-of-entry to the borehole locations.
- Prepare communications plan to accompany the field investigations.
- Develop a nuisance mitigation program for those families to be affected by the 24/7 drilling.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Began on February 27th workshops on master planning to assist in understanding what “mitigation” may be required in the area of continued analysis.

B. Products

- Preliminary definition at the February 27th workshop of the issues of concern that need to be mitigated and assets that need to be protected in the area of continued analysis.
- Information by which to conduct the February 27th workshop and products of that workshop to facilitate conduct of the workshop of March 8th.

C. Task Evaluation

- Cooperation with the local community continues to be constructive and positive.

D. Plans for Next Reporting Period

- Conduct two master planning workshops on March 8th and 23rd.
- Participate in the March 29th public meetings to establish a “value preference” from participants.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

A change order for additional work was secured in November. The work in a number of areas is now underway. But, the drilling program has been slowed because of approval by FHWA.

E. ITEMS NEEDED FROM MDOT

- Assistance in dividing the engineering work on the border crossing facilities between the U.S. and Canadian consulting teams.
- Meeting with MDOT and FHWA on the scope of the Indirect and Cumulative Analysis.
- Decision by FHWA to begin drilling program.
- As-built plans for:
 - ✓ I-375 in Downtown Detroit.
 - ✓ Public utility information.
 - ✓ Right-of-entry paperwork on properties needed to advance the analysis of the Practical Alternatives.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended the following meetings on:
 - ✓ February 8th: Master planning workshop on plazas and crossings.
 - ✓ February 14th: Core Team meeting.
 - ✓ February 16th: Detroit City Planning Council briefing.
 - ✓ February 16th: Meeting of the CSX and Norfolk Southern railroads on how to handle the rail line through Delray.
 - ✓ February 17th: Meeting with U.S. Customs and Border Protection/Detroit.
 - ✓ February 21st: City of Detroit master planning working meeting.
 - ✓ February 21st: State agencies coordination meeting.
 - ✓ February 21st: PPRB meeting.
 - ✓ February 22nd: Working Group meeting.
 - ✓ February 22nd: Detroit Department of Environmental Affairs meeting on right-of-entry.
 - ✓ February 22nd: Local Agency Group meeting.
 - ✓ February 22nd: Local Advisory Council meeting.
 - ✓ February 23rd: Transportation Commission meeting.
 - ✓ February 23rd: Federal cooperating agencies meeting.
 - ✓ February 24th: CBP/Washington meeting.
 - ✓ February 25th: Delray tour.
 - ✓ February 27th: First master planning workshop.
 - ✓ February 28th: Joint Detroit and Windsor City Councils meeting.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Context Sensitive Design 2
First week of July 2006	First week of July 2006	13 Community Impact Assessment 2
Fourth week of July 2006	Fourth week of July 2006	14 Engineering Concepts Report
First week of August 2006	First week of August 2006	15 Context Sensitive Design 3
Second week of August 2006	Second week of August 2006	16 Preliminary DEIS
Second week of October 2006	Second week of October 2006	17 Draft DEIS
Fourth week of November 2006	Fourth week of November 2006	18 Public Hearing Script/Video
Second week of December 2006	Second week of December 2006	19 FHWA Approved DEIS
Second week of January 2007	Second week of January 2007	20 DEIS Public Hearing
Second week of April 2007	Second week of April 2007	21 Public Hearing Comment Summary
Fourth week of July 2007	Fourth week of July 2007	22 Recommended Alternative
Fourth week of August 2007	Fourth week of August 2007	23 Final EIS
Fourth week of September 2007	Fourth week of September 2007	24 Final Engineering Report
Fourth week of November 2007	Fourth week of November 2007	25 MOU
Second week of December 2007	Second week of December 2007	26 Recommended Alternative Presentation
Fourth week of December 2007	Fourth week of December 2007	27 Access Justification Report
Fourth week of December 2007	Fourth week of December 2007	28 ROD

¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

H. CONTACT RECORDS

- Daily contact records, daily e-mails and conversations by phone and in person with the MDOT Project Manager and other MDOT personnel.
- Two status reports.
- Monthly progress report.
- Meetings of:
 - ✓ February 8th: Master planning workshop on plazas and crossings.
 - ✓ February 14th: Core Team meeting.
 - ✓ February 16th: Detroit City Planning Council briefing.
 - ✓ February 16th: Meeting of the CSX and Norfolk Southern railroads on how to handle the rail line through Delray.
 - ✓ February 17th: Meeting with U.S. Customs and Border Protection/Detroit.
 - ✓ February 21st: City of Detroit master planning working meeting.
 - ✓ February 21st: State agencies coordination meeting.
 - ✓ February 21st: PPRB meeting.
 - ✓ February 22nd: Working Group meeting.
 - ✓ February 22nd: Detroit Department of Environmental Affairs meeting on right-of-entry.
 - ✓ February 22nd: Local Agency Group meeting.
 - ✓ February 22nd: Local Advisory Council meeting.
 - ✓ February 23rd: Transportation Commission meeting.
 - ✓ February 23rd: Federal cooperating agencies meeting.
 - ✓ February 24th: CBP/Washington meeting.
 - ✓ February 25th: Delray tour.
 - ✓ February 27th: First master planning workshop.
 - ✓ February 28th: Joint Detroit and Windsor City Councils meeting.

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April 11, 2006

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

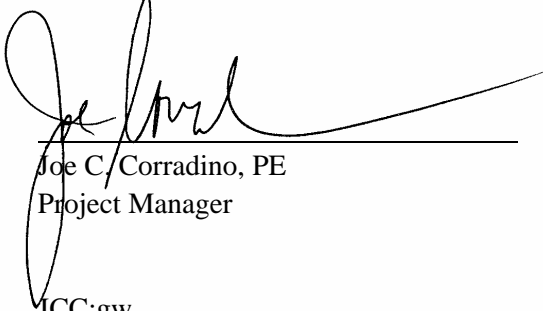
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 15 Progress Report

Dear Mohammed:

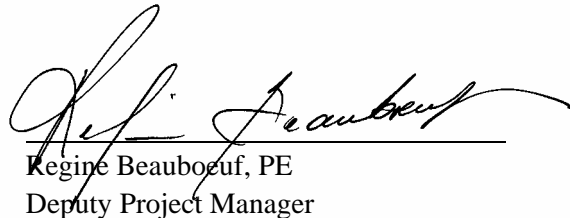
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 15 for March 2006. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
I:\Projects\3600\WP\ProgRpt\PR15.doc
Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
MARCH 1 THROUGH MARCH 31, 2006**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Prepared for and participated in the Working Group meeting on March 1st.
- Prepared for and participated in the Steering Committee meeting on March 2nd.
- Prepared for and participated in a presentation to the Detroit Department of Environmental Affairs on March 8th to address right-of-entry issues.
- Conducted the second and third Master Planning workshops on March 8th and 23rd, respectively.
- Prepared for and participated in the West Fort Street Business Association meeting on March 10th.
- Participated in the MDOT/FHWA Core Team meeting of March 21st.
- Prepared for and participated in the joint LAC/CCG meeting on March 22nd.
- Prepared for and participated in two public meetings on March 29th:
 - ✓ At 10:30 a.m. – 101 attendees.
 - ✓ At 5:30 p.m. – 213 attendees.
- Provide support for participation of MDOT in the Michigan legislative hearings of March 23rd and 30th. Received letter of support for the DRIC Study from: the Detroit Planning Commission, Bagley Housing Corporation, the Gateway Communities Development Collaborative, Mrs. Leonard, SEMCOG, the MICH/CAN Collaborative. Received letters in opposition from the Michigan Environmental Council (air quality) and from Rhonda Anderson (environmental justice).
- Prepared the mailer for the April 19th public meetings on the preliminary master plans of Delray and the “look and fit” of the bridge, plaza and interstate connection with them.

- Prepared a “virtual tour” of alternative bridge structures for use with the SHPO.
- Assisted in preparing for the April 5th tour of the Sandwichtown area of Detroit and Windsor Cities officials.
- Prepared for the Working Group meeting on April 6th which was moved from March 30th.
- Prepared for the Public Sector Advisory Group meeting in the afternoon of April 6th, which was moved from March 30th.

B. Products

- Materials, notes and/or PowerPoint presentations for the following meetings:
 - ✓ Working Group meeting on March 1st.
 - ✓ Steering Committee meeting on March 2nd.
 - ✓ Detroit Department of Environmental Affairs on March 8th.
 - ✓ Second and third Master Planning workshops on March 8th and 23rd.
 - ✓ West Fort Street Business Association meeting on March 10th.
 - ✓ Core Team meeting on March 21st.
 - ✓ Joint LAC/CCG meeting on March 22nd.
 - ✓ Michigan legislative hearings of March 23rd and 30th.
 - ✓ Public meetings on March 29th: 10:30 a.m. to 1:30 p.m. at the Delray Recreation Center; 5:00 p.m. to 8:30 p.m. at Southwestern High School.

C. Task Evaluation

- The Michigan Transportation Committees of the House and Senate are focusing on the DRIC Study and its effectiveness/cost. The hearings (2) were expected to conclude by March 30th; however, it now appears that they will continue. It also appears, based upon Representative LaJoy’s comment, that the two committees members will tour the Delray area.
- Coordination with the local community continues to build trust and credibility for the DRIC process. This is being evidenced in the number of letters submitted in support for the DRIC process at legislative hearings conducted by the Michigan Transportation Committees of the House and Senate.
- URS has been contacted (4 times) to determine its interest/role in the upcoming design concepts public meetings. They have not chosen to be an active participant.

D. Upcoming Plans

- Participate in additional Michigan legislative hearings, as appropriate.
- Assist in conducting a tour of the Sandwichtown area on April 5th.
- Assist in conducting a tour of the Delray area .
- Prepare for and participate in the April 6th Working Group meeting.
- Prepare for and participate in the April 6th Public Sector Advisory Group meeting.
- Continue to provide information to URS on design concepts public engagement.
- Prepare for and participate in the public meetings dealing with context sensitive solutions on April 19th; 10:00 to 12:00 at the Delray Recreation Center; 7:00 to 9:00 at the Southwestern High School.
- Prepare for and participate in the LAG meeting on April 26th.
- Prepare for and participate in the LAC meeting on April 26th.
- Prepare for and participate in a meeting requested by Mrs. Leonard on April 24th.
- Prepare for the May 2nd Working Group meeting.
- Prepare for the May 3rd meeting of the Steering Committee.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT**A. Work Progress**

- Developed a draft strategy paper on the sequence of modeling the Practical Alternatives.
- Developed a paper to validate the TDM to analyze Practical Alternatives.
- Developed from the ground traffic counts information on truck traffic in the Delray area.
- Combined with the DIFT SYNCHRO network a new network that covers the Delray area to form the Micro Simulation model network.
- Continued to pursue the aerial surveillance to collect freeway traffic information, as weather permitted. Produced interim results.
- Coded existing geometry into micro-simulation model (VISSIM).

B. Products

- Paper to sequence TDM model application of Practical Alternatives.
- Paper on validation of TDM for use in analyzing Practical Alternatives.
- Interim traffic results from aerial surveillance.
- Partially coded existing-conditions networks for TDM and micro-simulation purposes.

C. Task Evaluation

- The U.S. Customs and Border Protection agency and GSA were to respond by mid-March by providing a set of requirements for the plaza and also to comment on the preliminary plaza design developed for the DRIC. That information is still not available. It is important to the traffic modeling.
- The TAR for Phase I of the DRIC Study is being updated as time permits in light of the other major activities to retain the project's schedule on analyzing the Practical Alternatives and producing design-related traffic.

D. Upcoming Plans

- Finalize the strategy paper on testing alternatives after MDOT review.
- Complete, if weather permits, the aerial surveillance of freeway traffic truck traffic information.
- Begin application of up to two dozen runs of TDM.
- Begin, if possible, the application of Border Wizard on a preliminary basis to define the size requirements of the plaza and design requirements of the alternative interchanges at I-75.
- Begin coding future geometry of ramps, merge/weave lanes for micro-simulation (VISSIM).

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT**A. Work Progress**

- Continued to work with FHWA to resolve the Air Quality Analysis Protocol in light of EPA's new rules published on March 10th indicating that quantitative analysis of PM_{2.5} is not possible at this time. A qualitative analysis will be developed.

B. Products

- A summary review, for internal discussion purposes, of the new EPA rules dealing with analysis of PM_{2.5}.

C. Task Evaluation

- At this time, the DRIC Draft Environmental Impact Statement will proceed using a qualitative analysis to address PM_{2.5}.

D. Upcoming Plans

- Monitor activities in developing the paper on PM_{2.5} analyses expected to be jointly produced by EPA and FHWA.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Continued the preparation of land use histories to be used as a guide in the area's cultural analysis investigation.
- Continued the historic structure inventory.
- Continued to define the area of potential effects (APE).
- Prepared a virtual tour to engage the SHPO in a discussion of design requirements associated with a new crossing of the Detroit River.
- Began conducting interviews on the social/cultural effects analysis and recorded them.
- Set a meeting for April 12th with MDOT, the U.S. Fish & Wildlife Service, and the Michigan Department of Natural Resources on the analysis procedures for in-river investigations of threatened and endangered species.
- Assembled preliminary SEE data in the areas of community impacts, natural environment, cultural effects, and consistency with local planning for the five different plaza alternatives currently being studied as Practical Alternatives.

B. Products

- Updated SEE data for the various effects/impacts of the five different plaza options.
- Additional materials submitted to MDOT and the City of Detroit to gain right-of-entry to sites at which field investigations are needed.

C. Task Evaluation

- The right-of-entry issues are being resolved, but slowly. It is expected that right-of-entry to City-owned property will be resolved by the end of April.
- MDOT has received right-of-entry permission on over three dozen properties that are not owned by the City of Detroit.

D. Upcoming Plans

- Prepare for and participate in the April 12th meeting on the underwater (Detroit River) survey methods.
- Continue to cooperate with MDOT and the City of Detroit to advance right-of-entry issues.
- Conduct noise measurements at or around the Ambassador Bridge, if weather permits, for use in the noise analysis and at public meetings.
- Continue research, as well as field work/inventories, to conduct the SEE analysis.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- Set flight pattern and the control layout with MDOT for the aerial survey work to be conducted during April. Also, set targets.

B. Products

- Set about 150 targets.

C. Task Evaluation

- The flight survey of the Delray area has now been approved and will be conducted in April, weather permitting.

D. Upcoming Plans

- Conduct the aerial flight survey consistent with the process laid out with MDOT, weather permitting.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Met by telephone with FHWA and MDOT on March 3rd to respond to their preliminary set of comments on the drilling program.

- Completed the SOMAT engineering review of the NTH proposal. The cost and alternative schedules of the drilling program were revised as a function of the SOMAT review.
- Met with Blackhawk Technology on March 13th to review reverse vertical surface seismic technology. Concluded that its application would not prove useful.
- Prepared, through NTH, a detailed set of advantages and disadvantages of alternative geophysical analysis techniques. Concluded that the cross-hole tomography is the best method.
- Met with FHWA on March 28th to review in detail the results of the peer review and the NTH analysis of advantages and disadvantages of alternative geophysical analysis techniques.
- Met with FHWA and MDOT on March 30th to answer further questions about the use of surface seismic technology and moving forward with the cross-hole tomography technique.
- Cooperated with MDEQ to gain necessary permits for their drilling program.
- Cooperated with the City of Detroit to obtain right-of-entry to the various locations at which 10 holes will be drilled.
- Prepared an analysis of noise associated with the drilling program and developed proposed mitigation measures.
- Determined a before-and-after survey will be conducted to address any possible claims that vibrations from the drilling program will have a negative effect.
- Advised the Steering Committee that a peer group should be assembled to establish the analysis protocol to determine how the information developed through the drilling program will be reviewed and recommendations using it to be made.
- Established a preliminary schedule for activating the GeoPeer group and recommended several non-FHWA/MDOT personnel for the peer group in cooperation with the Canadian team.

B. Products

- Peer review paper on the drilling program prepared by SOMAT.
- Advantages/disadvantages paper of the various techniques for conducting the geophysical analysis program.
- Alternative schedules resulting from assumptions made in drilling program.
- Teleconference with FHWA and MDOT conducted on March 3rd on the geophysical analysis.
- Meeting with FHWA/MDOT on March 25th and 30th on the geophysical analysis program.
- Additional information supplied to MDEQ to gain permits.
- Additional information supplied to the City of Detroit to gain right-of-entry permission.

C. Task Evaluation

- The review by SOMAT and continuing work by NTH has indicated that separating the rotary-drilled holes from the core-drilled holes will produce significant cost savings.
- The ability to obtain drillers, in light of the fact that considerable drilling is going on for oil, is a significant challenge. Unless the drilling program can be committed to soon, it is likely the drillers that are now considered part of the program will be lost to other work. Additionally, it is expected that, as time goes on, the cost to drill will increase.
- In order to maintain a schedule of activating the GeoPeerGroup with a first meeting in mid-May, FHWA and MDOT were to provide their list of peer group members by April 1st.
- The revised drilling program, based upon various analysis conducted in March, now indicates that the schedule for the overall project, which the drilling program controls, will likely be extended five to six months.

D. Upcoming Plans

- Develop the derivation of cost forms for the drilling program.
- Develop the derivation of cost forms for the conduct of the GeoPeerGroup.
- Prepare additional cost proposals associated with the drilling program including communication techniques, mitigation activities, as well as on-site field monitoring.
- Invite by letter the members of the GeoPeerGroup, as approved by FHWA and MDOT, to the first meeting in mid-May.
- Secure permits from MDEQ for drilling.
- Secure the rights-of-entry from the City of Detroit for drilling of 10 holes.
- Continue to pursue right-of-entry permission from other non-City of Detroit property owners to drill four additional holes.
- Finalize the nuisance mitigation program for those families to be affected by the drilling.
- Prepare a presentation to be used with the media in association with the drilling program.
- Distribute flyers to the Delray community advising them when the drilling program would begin.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Coordinated with the traffic analysis work to ensure production of correct information to satisfy the roadway design activities.

- Began determining the ramp geometry, number of lanes, characteristics of weave/merge lanes, and the possible need for a collector/distributor road along the access ramps.
- Defined the preliminary access requirements to I-75 to reflect impacts to existing land, service drives, and neighborhoods along I-75.
- Continued to refine the Preliminary Alternatives based upon feedback from MDOT geometrics.
- Stepped up activities in the context sensitive solutions area in preparation for two public meetings on April 19th.
- Conducted a meeting with MDOT to further strengthen the coordination among the utility agencies, particular Detroit and Sewer Department.
- Continued to address local access concerns for the neighborhoods, local industry, and Fort Wayne in the area of continued analysis.
- Cooperated with the surveyors to define the survey needs for the bridge, plaza and roadway connections in the area of continued analysis.
- Continued the navigation study of the Detroit River.
- Continued the structure studies at Crossings X-10 and X-11.
- Defined the preliminary bridge alignments based upon additional information gained through the geotechnical research. Refined and completed illustrations (including 3D imaging).
- Began dialog with Detroit Water and Sewage Department for follow-up meetings on impacts of the project on their infrastructures in the area of continued analysis.
- Continued with the development of a technical memo on the choice of a cross-section for the new bridge.
- Coordinated the QA/QC of Practical Alternatives.
- Began preparation of a work plan for the hydraulics/drainage required during the Practical Alternatives and the preliminary design of the Preferred Alternative.

B. Products

- Materials presented to the public with respect to the preliminary Practical Alternatives.
- Meeting with the utility companies to gather further information including updated utilities map.
- Internal draft of Technical Memo on bridge cross-section to be presented to URS for review before submittal to MDOT/FHWA.

C. Task Evaluation

- Response is still needed from URS on allocation of bridge design work.

D. Upcoming Plans

- Continue analysis of ramps geometry, number of lanes, characteristics of weave/merge lanes and the need for a collector-distributor along the access ramps.
- Refine the preliminary access to I-75 to reflect impacts to existing ramps, service drives and neighborhoods along the west side of I-75.
- Coordinate with URS on a cross-section for the new crossing for the Practical Alternatives and present recommendations at an upcoming Core Group and Working Group meetings.
- Determine and assess impacts to utilities caused by the preliminary layouts of plazas, ramps and crossings.
- Continue with the utilities coordination.
- Develop work plan for the hydraulics/drainage work.

TASK 10 (2360) – PREPARE DEIS**A. Work Progress**

- Set meeting for April 12th with MDOT to discuss the application of the “reader-friendly” DEIS writing guidelines provided by MDOT through the Washington State DOT.

B. Products

- None, as none required.

C. Task Evaluation

- The meeting on April 12th will define the approach and level of coordination between the consultant team and MDOT/FHWA on preparation of the DEIS. It is important that all chapters of the “reader-friendly” guidelines be studied by all before the meeting including the chapter establishing requirements for the reviewers.

D. Upcoming Plans

- Meet with MDOT on April 12th to review the DEIS format, preparation process and responsibilities/schedule.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING**A. Work Progress**

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Completed the hazmat parts of the data matrix for the Practical Alternatives’ plazas.
- Continued coordination with MDOT Real Estate concerning Right-of-Entry. Over three dozen signed agreements have been received.
- Sent FOIA requests to the City of Detroit to review environmental files for city-owned properties. Ted and I had a follow-up call with them regarding the FOIA and ROE requests.
- Continued to collect and review environmental site data for the technical reports.
- Held discussions with SOMAT regarding scopes of work, roles and responsibilities, timing, etc. for the upcoming site investigation sampling.

B. Products

- Data for evaluation of Practical Alternatives.

C. Task Evaluation

- Progress of work is subject to ability to gain right-of-entry to a number of parcels of property. “Work Around” will be put in place where entry is not granted.

D. Upcoming Plans

- Conduct file reviews for potential hazmat sites at the City of Detroit and at MDEQ offices.
- Contact the MDEQ-Detroit office for information concerning local industrial sites.
- Develop specific scopes of work for site sampling for selected parcels, per MDOT Real Estate request.
- Review the ROE list from the City and develop work plans for sites that require site sampling.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – TASK 19 (3320) AERIAL TOPOGRAPHIC MAPPING/CONTROL SURVEY FOR AERIALS

A. Work Progress

- Developed preliminary flight plan layouts. Reviewed the layouts with K. Wixtrom of MDOT.
- Researched historic mapping and control with MDOT.
- Finalized flight layouts with ground control. Contacted helicopter service.

B. Products

- Phase II flight and ground control layout maps.

C. Task Evaluation

- Work on this task is 45 percent complete.

D. Upcoming Plans

- Conduct flight.
- Begin Phase II mapping process after flight.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Gathered targeting materials and available resources based on flight and control layout for Phase II.
- Set approximately 150 targets for new flights.
- Prepared target witness locations and field books.
- Gathered historic mapping and control files from MDOT.
- Combined historic mapping and new target locations.
- Developed required resources for field survey of photo control targets.

B. Products

- Setting of approximately 150 targets.

C. Task Evaluation

- Work on this task is 20 percent complete.

D. Upcoming Plans

- Begin processing field observations for primary and photo control points.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Met by telephone with FHWA and MDOT on March 3rd to respond to their preliminary set of comments on the drilling program.
- Completed the SOMAT engineering review of the NTH proposal. The cost and alternative schedules of the drilling program were revised as a function of the SOMAT review.
- Met with Blackhawk Technology to review reverse vertical surface seismic technology. Concluded that its application would not prove useful.
- Prepared, through NTH, a detailed set of advantages and disadvantages of alternative geophysical analysis techniques. Concluded that the cross-hole tomography is the best method.
- Met with FHWA on March 28th to review in detail the results of the peer review and the NTH analysis of advantages and disadvantages of alternative geophysical analysis techniques.
- Met with FHWA and MDOT on March 30th to answer further questions about the use of surface seismic technology and moving forward with the cross-hole tomography technique.
- Cooperated with MDEQ to gain necessary permits for their drilling program.
- Cooperated with the City of Detroit to obtain right-of-entry to the various locations at which 10 holes will be drilled.
- Prepared an analysis of noise associated with the drilling program and developed proposed mitigation measures.
- Determined a before-and-after survey will be conducted to address any possible claims that vibrations from the drilling program will have a negative effect.
- Advised the Steering Committee that a peer group should be assembled to establish the analysis protocol to determine how the information developed through the drilling program will be reviewed and recommendations using it to be made.
- Established a preliminary schedule for activating the GeoPeer group and recommended several non-FHWA/MDOT personnel for the peer group in cooperation with the Canadian team.

B. Products

- Peer review paper on the drilling program prepared by SOMAT.

- Advantages/disadvantages paper of the various techniques for conducting the geophysical analysis program.
- Alternative schedules resulting from assumptions made in drilling program.
- Teleconference with FHWA and MDOT conducted on March 3rd on the geophysical analysis.
- Meeting with FHWA/MDOT on March 25th and 30th on the geophysical analysis program.
- Additional information supplied to MDEQ to gain permits.
- Additional information supplied to the City of Detroit to gain right-of-entry permission.

C. Task Evaluation

- The review by SOMAT and continuing work by NTH has indicated that separating the rotary-drilled holes from the core-drilled holes will produce significant cost savings.
- The ability to obtain drillers, in light of the fact that considerable drilling is going on for oil, is a significant challenge. Unless the drilling program can be committed to soon, it is likely the drillers that are now considered part of the program will be lost to other work. Additionally, it is expected that, as time goes on, the cost to drill will increase.
- In order to maintain a schedule of activating the GeoPeer group with a first meeting in mid-May, FHWA and MDOT were to provide their list of peer group members by April 1st.
- The revised drilling program, based upon various analysis conducted in March, now indicates that the schedule for the overall project, which the drilling program controls, will likely be extended five to six months.

D. Upcoming Plans

- Develop the derivation of cost forms for the drilling program.
- Develop the derivation of cost forms for the conduct of the GeoPeer group.
- Prepare additional cost proposals associated with the drilling program including communication techniques, mitigation activities, as well as on-site field monitoring.
- Invite by letter the members of the GeoPeer group, as approved by FHWA and MDOT, to the first meeting in mid-May.
- Secure permits from MDEQ for drilling.
- Secure the rights-of-entry from the City of Detroit for drilling of 10 holes.
- Continue to pursue right-of-entry permission from other non-City of Detroit property owners to drill four additional holes.
- Finalize the nuisance mitigation program for those families to be affected by the drilling.
- Prepare a presentation to be used with the media in association with the drilling program.

- Distribute flyers to the Delray community advising them when the drilling program would begin.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Conducted two master planning workshops on March 8th and 23rd.
- Participated in March 29th public meetings to establish a “visual preference” from participants.

B. Products

- Results of the two workshops of March 8th and 23rd.
- Preliminary results of the visual preference surveys conducted at the public meetings on March 29th.

C. Task Evaluation

- Cooperation with the local community continues to be constructive and positive in providing input to this area of mitigation.

D. Plans for Next Reporting Period

- Conduct two public meetings on April 19th to integrate master planning work with the “fit and feel” of the crossing, plaza and interchange connection.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

A change order for additional work dealing with geotechnical will affect the schedule of the overall project. It will be submitted in April for approval by Commission to act in May.

E. ITEMS NEEDED FROM MDOT

- Assistance in dividing the engineering work on the border crossing facilities between the U.S. and Canadian consulting teams.
- Meeting with MDOT and FHWA on the scope of the Indirect and Cumulative Analysis.
- Decision by FHWA to begin drilling program.
- Public utility information.
- Right-of-entry paperwork on properties needed to advance the analysis of the Practical Alternatives.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended the following meetings on:
 - ✓ March 1st: Working Group.
 - ✓ March 2nd: Steering Committee.
 - ✓ March 3rd: Teleconference with FHWA on the drilling program.
 - ✓ March 8th: Master planning workshop.
 - ✓ March 8th: City of Detroit for right-of-entry purposes.
 - ✓ March 10th: West Fort Street Business Association.
 - ✓ March 21st: MDOT Coordination team.
 - ✓ March 22nd: Local Advisory Council meeting.
 - ✓ March 23rd: Michigan legislative hearing.
 - ✓ March 28th: FHWA/MDOT meeting on drilling program.
 - ✓ March 29th: Two public meetings.
 - ✓ March 30th: Michigan legislative hearing.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Context Sensitive Design 2
First week of July 2006	First week of July 2006	13 Community Impact Assessment 2
Fourth week of July 2006	Fourth week of July 2006	14 Engineering Concepts Report
First week of August 2006	First week of August 2006	15 Context Sensitive Design 3
Second week of August 2006	Second week of August 2006	16 Preliminary DEIS
Second week of October 2006	Second week of October 2006	17 Draft DEIS
Fourth week of November 2006	Fourth week of November 2006	18 Public Hearing Script/Video
Second week of December 2006	Second week of December 2006	19 FHWA Approved DEIS
Second week of January 2007	Second week of January 2007	20 DEIS Public Hearing
Second week of April 2007	Second week of April 2007	21 Public Hearing Comment Summary
Fourth week of July 2007	Fourth week of July 2007	22 Recommended Alternative
Fourth week of August 2007	Fourth week of August 2007	23 Final EIS
Fourth week of September 2007	Fourth week of September 2007	24 Final Engineering Report
Fourth week of November 2007	Fourth week of November 2007	25 MOU
Second week of December 2007	Second week of December 2007	26 Recommended Alternative Presentation
Fourth week of December 2007	Fourth week of December 2007	27 Access Justification Report
Fourth week of December 2007	Fourth week of December 2007	28 ROD

¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

H. CONTACT RECORDS

- Daily contact records, daily e-mails and conversations by phone and in person with the MDOT Project Manager and other MDOT/FHWA personnel.
- Three status reports.
- Monthly progress report.
- Meetings of:
 - ✓ March 1st: Working Group.
 - ✓ March 2nd: Steering Committee.
 - ✓ March 3rd: Teleconference with FHWA on the drilling program.
 - ✓ March 8th: Master planning workshop.
 - ✓ March 8th: City of Detroit for right-of-entry purposes.
 - ✓ March 10th: West Fort Street Business Association.
 - ✓ March 21st: MDOT Coordination team.
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May 8, 2006

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

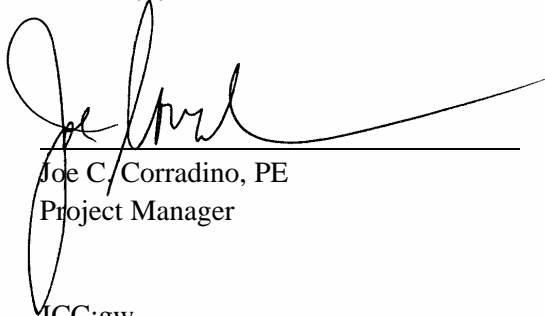
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 16 Progress Report

Dear Mohammed:

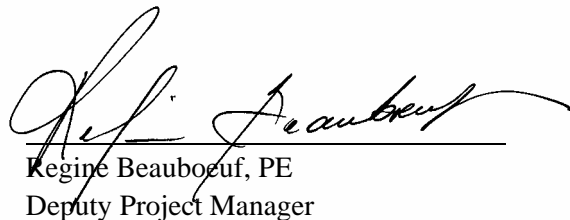
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 16 for April 2006. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
APRIL 1 THROUGH APRIL 30, 2006**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

✓ **TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN**

A. Work Progress

- Prepared for and participated in the following meetings:
 - ✓ April 6th Working Group meeting.
 - ✓ Prepared for and participated in the April 6th Private Sector Advisory Group meeting.
 - ✓ Core Team on April 18th.
 - ✓ Public meetings dealing with context sensitive solutions on April 19th: 10:00 a.m. to noon at the Delray Recreation Center, and 7:00 to 9:00 p.m. at the Delray Recreation Center. Continued to provide design concepts to URS for the public engagement in CSS.
 - ✓ Public meeting hosted by the Sierra Club on April 24th.
 - ✓ LAG meeting on April 26th.
 - ✓ LAC meeting on April 26th.
 - ✓ April 27th Working Group meeting.
- Prepared for the following meetings:
 - ✓ May 3rd Steering Committee meeting.
 - ✓ May 9th and 10th public meetings on the social/cultural evaluation.
 - ✓ May 11th and 18th legislative hearings.
 - ✓ May 17th State Agencies.

B. Products

- Materials, notes and/or PowerPoint presentations for the following meetings:
 - ✓ Working Group meetings on April 6th and April 27th.
 - ✓ Private Sector Advisory Group meeting on April 6th.

- ✓ Core Team meeting on April 18th.
- ✓ Public meetings on April 19th and 24th.

C. Task Evaluation

- The public meetings continue to strengthen the process.
- The meeting of April 24th sponsored by the Sierra Club received both electronic and print media attention. The print media (Detroit News) published a negative article even though the meeting was balanced in terms of public comment.
- The Michigan Transportation Committees of the House and Senate are now focusing on conducting two additional hearings on May 11th and May 18th.
- The Local Agency Group meeting continues to be very lightly attended. Consideration is being given to combining this meeting with the Local Advisory Council meeting.
- The legislative hearing of May 18th will cause the Federal Agencies meeting to be switched to June 13th.
- Three additional CSS workshops will be added to the schedule.

D. Upcoming Plans

- Prepare for and participate in the Steering Committee meeting of May 3rd.
- Participate in the public meetings on social/cultural evaluation on May 9th and 10th. The 9th meeting will be at LA SED from 7:00 to 9:00 p.m.; the 10th meeting will be at Southwestern High School from 7:00 to 10:00 p.m.
- Participate in the Michigan legislative hearings on May 11th and May 18th.
- Prepare for and participate in State Agencies meeting of May 17th.
- Assist, as appropriate, in the conduct of a tour of the Delray area tentatively scheduled for June 14th.
- Prepare for and participate in the master planning workshop of May 23rd.
- Prepare for and participate in the Working Group meeting of May 26th.
- Prepare for the LAC and LAG meetings of May 31st.
- Finalize plans for bus tour of bridge projects in Toledo and Port Huron.
- Prepare for Federal Agencies meeting of June 13th.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Finalized a strategy paper on testing alternatives for MDOT review.
- Completed all but one data segment through aerial surveillance of freeway truck traffic for use in the modeling process and transmittal to MDOT.
- Conducted a Select Link analysis and an internal deliverable dealing with further validation of the TDM.
- Began application of the travel demand model. Completed over a dozen runs for various speed conditions on the border crossing.
- Received the appropriate “key” to use Border Wizard.
- Continued coding VISSIM network for microsimulation.

B. Products

- Strategy paper on testing alternatives.
- Paper on TDM model validation based on Select Link analysis.
- Preliminary results for the application of the Travel Demand Model.
- Partially coded VISSIM network.

C. Task Evaluation

- Over one dozen preliminary model runs indicate that the potential application of the TDM in 30 instances may not be necessary. This information will be documented in a memorandum to be presented to MDOT in May. But, the travel speed coded for the new crossing at 45 mph may be lowered to 37+ mph. This will cause all modeling work to be redone.
- The U.S. Customs and Border Protection agency and GSA have not yet responded with respect to the plaza requirements. It is important for application of the Border Wizard model.
- The TAR for Phase I of the DRIC Study is being updated as time permits in light of the other major activities to maintain the project’s schedule on analyzing the Practical Alternatives and producing design-related traffic.

D. Upcoming Plans

- Participate in the May 2nd meeting with Supin Yoder from FHWA on travel demand modeling.
- Document the Select Link analysis for MDOT review.
- Document the first TDM model applications for MDOT review.
- Test the sensitivity of travel demand to variations in speed on new crossing.

- Complete coding of the future geometry of ramps, merge/weave lanes, for microsimulation (VISSIM).
- Begin, as appropriate, the application of Border Wizard to define the size requirements of the plaza and the design requirements of the alternative interchanges with I-75.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Received word from EPA that the MOBILE 6.2 model currently available is overpredicting PM_{2.5} by as much as 40 percent.
- Tentatively scheduled a review session with EPA on May 11th to define the qualitative hot spot analysis requirements for PM_{2.5}.
- Determined that June 20th and June 21st will be spent in an FHWA-led training session on environmental justice.

B. Products

- None, as none required.

C. Task Evaluation

- The fact that the EPA's MOBILE 6.2 model has been recalled, and a new version needs to be issued, indicates that the entire PM_{2.5} issue is still in a state of flux.

D. Upcoming Plans

- Meet on May 11th with EPA to define the qualitative hot spot analysis on PM_{2.5}.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Examined alternative alignments and crossings to assess impact data in all SEE categories.
- Met with MDOT, USFWS, and MDNR to review underwater surveying techniques.
- Prepared detailed scope of wetland field work.
- Coordinated with MDNR to obtain the T&E collection permit.
- Set public meetings to engage public in social/cultural analysis.
- Prepared PowerPoint presentation for social/cultural analysis public meetings.
- Continued developing historic contexts to guide surveys and excavations, as well as the evaluation of cultural resources.
- Continued historic structures inventory.
- Started recordation of the east Delray portion of the focused analysis area.
- Drafted for internal use portions of technical report supporting the cultural resources work.
- Continued to cooperate with MDOT and the City of Detroit to gain access to properties to conduct cultural, wetlands and other field work.
- Continued induced demand analysis.

B. Products

- Evaluation matrices of alternative crossings and interchanges.
- Scope of underwater survey work.
- Scope of wetlands field work.
- Presentation for social/cultural public meetings.

C. Task Evaluation

- Work is proceeding well, considering the challenges of gaining the right to enter properties to do field work.

D. Upcoming Plans

- Participate in social/cultural public meetings.
- Finalize underwater survey scope of work.
- Schedule field work for underwater survey.
- Gain MDNR T&E collection permit.
- Finalize wetlands field work scope. Meet with MDOT to verify.

- Define the Area of Potential Effect (APE).
- Continue drafting Cultural Resources Technical Report.
- Continue to advance rights-of-entry in order to conduct wetlands, historic and archaeological field surveys.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- Reviewed film from aerial surveys for quality and visibility of targets.
- Prepared aerial triangulation reports.

B. Products

- Aerial triangulation reports.

C. Task Evaluation

- Processing of the data will now begin with full results expected by July 30th and preliminary results by June 30th.

D. Upcoming Plans

- Continued aerial triangulation of new photography.
- Begin mapping I-75 helicopter photographs.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Continued to interact with FHWA over its position that “forward modeling” is essential to defining the approach to the geotechnical/geophysical analysis program.
- Developed a revised scope of work in light of FHWA’s position to use forward modeling without delaying the drilling program.
- Developed derivation-of-cost forms for the drilling program, peer group engagement, and other additional work.
- Continued to work with MDEQ to secure permits.
- Continued to work with the City of Detroit to secure right-of-entry to drill nine holes that are on its property.
- Advanced the mitigation program for those families (no more than 30) to be affected by the drilling.

- Analyzed a draft presentation to be used with the media and associated with the drilling program.
- Visited Detroit salt mine.
- Visited proposed driller to prepare for drilling program.
- Drafted allowable bearing capacity report.
- Prepared schedule of drilling program.

B. Products

- Draft scope of work and derivation-of-cost forms for the drilling program.
- Schedule of events and suggested non-government members of the Geophysical Advisory Group.
- Schedule of drilling program.
- Additional paperwork to respond to MDEQ and City of Detroit requirements in order to conduct the drilling program.
- Draft presentation to be used with the public media in association with the drilling program.

C. Task Evaluation

- MDEQ has indicated it will not issue permits for drilling unless property owners with 300 feet grant permission. This has the risk to delay the drilling.
- Based on FHWA's insistence, forward modeling is now being incorporated into the overall drilling program in a way that will avoid delaying the program any further. Forward modeling will begin in May.
- Senior management at MDOT has indicated that a relocation program for those families affected by the noise and other inconveniences of the drilling program is not setting a precedent. The appropriate costing of that will be included in the derivation of cost forms for the next amendment.
- The cost of the drilling program is about \$10 million to drill the proposed 14 drill holes. This includes the original \$2 million appropriated for the first four drill holes.
- The schedule for assembling the Geophysical Program Advisory Group has been postponed so that the first meeting will be conducted in the latter part of June or early July, as compared to mid-May.

D. Upcoming Plans

- Submit the scope and derivation-of-cost forms for the drilling program to MDOT for review and execution.

- Submit the relocation program associated with those families that are potentially negatively impacted by the drilling program.
- Finalize the presentation to be used with the media based upon MDOT's review in association with the drilling program.
- Make a presentation on the drilling program to the Local Advisory Council at its May 31st meeting.
- Invite the Geophysical Program Advisory Group to its first meeting in late June/early July. Provide appropriate support/background materials.
- Finalize the flyers to be disseminated throughout the Delray area in association with the drilling program.
- Prepare for the field program to accompany the drilling. This includes designating haul routes, setting public meetings, assigning responsibilities to field personnel, etc.
- Start Forward Modeling.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Progressed structure studies for one bridge alignment at X-10 and one at X-11.
- Developed 15 bridge-type general plan and elevation drawings. Dropped one bridge-type following preliminary study.
- Completed draft Cross-Section Study memo and transmitted to URS.
- Completed preliminary rock bearing capacity analysis for drilled shaft foundations and transmitted to URS.
- Developed CSS framework for interchanges, plaza buffers and other structural elements of the crossing system, including the crossing itself.
- Continued with the development of local access and the local ramp geometry on the Practical Alternatives, including horizontal and vertical geometry of the proposed ramps.
- Advanced the storm drainage work plan for the Practical Alternatives phase.
- Prepared for and conducted a coordination meeting with Detroit Water and Sewage Department on April 17, 2006.
- Continued to coordinate the QA/QC of Practical Alternatives.

B. Products

- Material for presentation at Context Sensitive Solutions Workshops.
- Refined Practical Alternatives as a result of meeting with MDOT geometrics section.

- Updated Utilities map from Utilities Meeting.
- Draft cross-section technical memo for the river crossing.
- Draft technical memo on preliminary rock bearing capacity analysis.

C. Task Evaluation

- Work is ongoing to refine all Practical Alternatives including adding local access ramps.
- Continued coordination with the Canadian consulting team on crossing alignments, cross-section and other pertinent technical information has not produced agreement on division of the crossing work. This is becoming a schedule problem and needs to be resolved soon.
- The navigation study is pending communication with the Canadian Coast Guard which has not responded to repeated calls.
- Plaza design is pending comments from U.S. CBP.

D. Upcoming Plans

- Continue determination of ramp geometry, number of lanes, characteristics of weave/merge lanes and the need for Collector-Distributor along the access ramps.
- Continue refinement of the preliminary access to I-75 to reflect impacts to existing ramps, service drives and neighborhoods along I-75.
- Submit to MDOT for approval the latest concept and related geometry of the local access ramps for the Practical Alternatives.
- Present a recommendation to MDOT on a cross-section following coordination and agreement on a joint recommendation of the U.S. and the Canadian teams.
- Finalize and submit rock bearing capacity analysis paper to MDOT.
- Assist in preparing for tour of bridge projects in Toledo and Port Huron.
- Continue coordination with the utility owners in the area.
- Continue with the determination and assessment of impacts to utilities caused by the preliminary layouts of plazas, ramps and crossings.
- Continue to collect traffic data necessary for upcoming level-of-service analysis and VISSIM simulation of the Practical Alternatives.
- Participate in upcoming LAG, LAC, Core Team and Working Group meetings.
- Participate in the May 23, 2006, public workshop on Master Planning in the Delray area.
- Finalize and submit bridge type study to MDOT.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Met with MDOT on April 12th to discuss the preparation of the DEIS.

B. Products

- None, as none required.

C. Task Evaluation

- The meeting on April 12th allowed an understanding of the various steps to be taken in conducting the analysis to support and prepare the DEIS. A new schedule will be required to facilitate team integration (MDOT/Consultant) in Lansing on specific dates in October and November 2006 for DEIS preparation.
- The discussion of the “reader friendly” approach to writing the DEIS has been postponed to May.

D. Upcoming Plans

- Confer with MDOT on May 1st to review the “reader friendly” DEIS writing guidelines.
- Update the schedule for the project with specific determination of dates for the integration of the MDOT/Consultant team in the preparation of the DEIS.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Discussed right-of-entry (ROE) status with Michael Anglebrandt of MDOT Real Estate. MDOT has received approximately 40 additional ROE agreements. They will be forwarded after they are entered into MDOT's database.
- Re-evaluated the need to gain ROE on approximately thirteen parcels identified by MDOT Real Estate. Determined that ROE was not needed for seven parcels and that ROE was needed for six parcels located on Lauderdale and Campbell Streets. Site specific scopes of work for cultural/historic field investigations for parcels on Reeder and Jefferson Streets were forwarded to Michael Anglebrandt.
- Called Steven Hoin with the MDEQ –Detroit Office for information concerning local industrial sites and possible file review.
- Discussed the FOIA request with Monique Smith with the City of Detroit. City indicated that the files would be available for review following their retrieval from storage and review by the legal staff.

- Prepared a draft response to request from Lareina Reid (City of Detroit) regarding hazmat investigations.
- Continued to collect & review environmental site data for the technical reports.

B. Products

- Draft response to City regarding hazmat investigations.

C. Task Evaluation

- Work is proceeding at best pace possible in light of ROE requirements.

D. Upcoming Plans

- Conduct file reviews for potential hazmat sites at the City of Detroit and at MDEQ offices.
- Develop work plans for City-owned parcels following file reviews.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – TASK 19 (3320) AERIAL TOPOGRAPHIC MAPPING/CONTROL SURVEY FOR AERIALS

A. Work Progress

- Reviewed film from aerial surveys for quality and visibility of targets. Began preparing triangulation report.

B. Products

- Aerial triangulation report.

C. Task Evaluation

- Processing of the data will now begin with full results expected by July 30th and preliminary results are needed by June 30th.

D. Upcoming Plans

- Continue aerial triangulation of new photography.
- Begin mapping I-75 helicopter photographs.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Met with MDOT to review control survey techniques for this project. Discussed GPS, static and RTK observations, as well as availability of existing monumentation.
- Measured approximately 150 targets for new flights.
- Combined old and new flight target locations.
- Prepared target witness locations and field books.
- Gathered old map and control files from MDOT.
- Developed required resources for field survey of photo control targets.

B. Products

- None, as none required.

C. Task Evaluation

- Work proceeding as planned.

D. Upcoming Plans

- Begin processing field observations for primary and photo control points.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Continued to interact with FHWA over its position that “forward modeling” is essential to defining the approach to the geotechnical/geophysical analysis program.
- Developed a revised scope of work in light of FHWA’s position to use forward modeling without delaying the drilling program.
- Developed derivation-of-cost forms for the drilling program, peer group engagement, and other additional related work.
- Continued to work with MDEQ to secure permits.
- Continued to work with the City of Detroit to secure right-of-entry to drill nine holes that are on its property.
- Advanced the mitigation program for those families (no more than 30) to be affected by the drilling.
- Analyzed a draft presentation to be used with the media and associated with the drilling program.
- Visited Detroit salt mine.
- Visited proposed driller to prepare for drilling program.
- Drafted allowable bearing capacity report.
- Prepared schedule of drilling program.

B. Products

- Draft scope of work and derivation-of-cost forms for the drilling program.
- Schedule of events and suggested non-government members of the Geophysical Advisory Group.
- Schedule of drilling program.
- Additional paperwork to respond to MDEQ and City of Detroit requirements in order to conduct the drilling program.
- Draft presentation to be used with the public media in association with the drilling program.

C. Task Evaluation

- MDEQ has indicated it will not issue permits for drilling unless property owners with 300 feet grant permission. This has the risk to delay the drilling.
- Based on FHWA's insistence, forward modeling is now being incorporated into the overall drilling program in a way that will avoid delaying the program any further. Forward modeling will begin in May.
- Senior management at MDOT has indicated that a relocation program for those families affected by the noise and other inconveniences of the drilling program is not setting a precedent. The appropriate costing of that will be included in the derivation of cost forms for the next amendment.
- The cost of the drilling program is about \$10 million to drill the proposed 14 drill holes. This includes the original \$2 million appropriated for the first four drill holes.
- The schedule for assembling the Geophysical Program Advisory Group has been postponed so that the first meeting will be conducted in the latter part of June or early July, as compared to mid-May.

D. Upcoming Plans

- Submit the scope and derivation-of-cost forms for the drilling program to MDOT for review and execution.
- Submit the relocation program associated with those families that are potentially negatively impacted by the drilling program.
- Finalize the presentation to be used with the media based upon MDOT's review in association with the drilling program.
- Make a presentation on the drilling program to the Local Advisory Council at its May 31st meeting.
- Invite the Geophysical Program Advisory Group to its first meeting in late June/early July. Provide appropriate support/background materials.
- Finalize the flyers to be disseminated throughout the Delray area in association with the drilling program.
- Prepare for the field program to accompany the drilling. This includes designating haul routes, setting public meetings, assigning responsibilities to field personnel, etc.
- Start Forward Modeling.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Conducted two public meetings on April 19th to blend the master planning work with the context sensitive design work of the crossing, plaza and interchange connections.

B. Products

- Two public meetings on April 19th to integrate the master planning and design-related work.

C. Task Evaluation

- Cooperation with the local community continues to be constructive and positive in providing input to this area of mitigation.

D. Plans for Next Reporting Period

- Prepare for the June 8th tour of Toledo and Port Huron bridge facilities to gain a first-hand understanding of the knit of community and infrastructure design elements.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

A change order for additional work dealing with geotechnical and other additional activities will be submitted in May. The updated schedule accompanying these adjustments will also be submitted in May.

E. ITEMS NEEDED FROM MDOT

- Right-of-entry paperwork on properties needed to advance the analysis of Practical Alternatives.
- Assistance in dividing the engineering work on the border crossing facilities between the U.S. and Canadian consulting teams.
- Meeting with FHWA and MDOT on the scope of the qualitative PM_{2.5} hot spot analysis.
- Meeting with MDOT and FHWA on the scope of the indirect and cumulative impacts analysis.
- Decision by FHWA to allow the drilling program to go forward.
- Public utility information.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended the following meetings:
 - ✓ April 6th Working Group meeting.
 - ✓ April 6th Private Sector Advisory Group meeting.
 - ✓ April 12th underwater survey analysis methodology meeting.
 - ✓ April 18th MDOT/FHWA Core Team meeting.
 - ✓ April 19th context sensitive solutions public meetings (two).
 - ✓ April 24th Sierra Club public meeting.
 - ✓ April 26th Local Agency Group meeting.
 - ✓ April 26th Local Advisory Council meeting.
 - ✓ April 27th Working Group meeting.
 - ✓ May 1st MDOT meeting on reader friendly EIS.
- Plan to attend the following meetings:
 - ✓ May 2nd Meeting with FHWA Supin Yoder on modeling.
 - ✓ May 3rd Steering Committee meeting.
 - ✓ May 9th social/cultural evaluation input meeting.
 - ✓ May 10th on social/cultural evaluation input public meeting.

- ✓ May 11th legislative public hearing.
- ✓ May 17th State Agencies meeting.
- ✓ May 18th legislative hearing.
- ✓ May 23rd master planning workshop.
- ✓ May 26th Working Group meeting.
- ✓ May 31st Local Agency Group meeting.
- ✓ May 31st Local Advisory Council meeting.

ATTACHMENT

G. SCHEDULE DETAIL

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Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Context Sensitive Design 2
First week of July 2006	First week of July 2006	13 Community Impact Assessment 2
Fourth week of July 2006	Fourth week of July 2006	14 Engineering Concepts Report
First week of August 2006	First week of August 2006	15 Context Sensitive Design 3
Second week of August 2006	Second week of August 2006	16 Preliminary DEIS
Second week of October 2006	Second week of October 2006	17 Draft DEIS
Fourth week of November 2006	Fourth week of November 2006	18 Public Hearing Script/Video
Second week of December 2006	Second week of December 2006	19 FHWA Approved DEIS
Second week of January 2007	Second week of January 2007	20 DEIS Public Hearing
Second week of April 2007	Second week of April 2007	21 Public Hearing Comment Summary
Fourth week of July 2007	Fourth week of July 2007	22 Recommended Alternative
Fourth week of August 2007	Fourth week of August 2007	23 Final EIS
Fourth week of September 2007	Fourth week of September 2007	24 Final Engineering Report
Fourth week of November 2007	Fourth week of November 2007	25 MOU
Second week of December 2007	Second week of December 2007	26 Recommended Alternative Presentation
Fourth week of December 2007	Fourth week of December 2007	27 Access Justification Report
Fourth week of December 2007	Fourth week of December 2007	28 ROD

¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

H. CONTACT RECORDS

- Daily contact records, daily e-mails and conversations by phone and in person with the MDOT Project Manager and other MDOT/FHWA personnel.
- Two status reports.
- Monthly progress report.
- Meetings of:
 - ✓ April 6th Working Group meeting.
 - ✓ April 6th Private Sector Advisory Group meeting.
 - ✓ April 12th underwater survey analysis methodology meeting.
 - ✓ April 18th MDOT/FHWA Core Team meeting.
 - ✓ April 19th context sensitive solutions public meetings (two).
 - ✓ April 24th Sierra Club public meeting.
 - ✓ April 26th Local Agency Group meeting.
 - ✓ April 26th Local Advisory Council meeting.
 - ✓ April 27th Working Group meeting.

I:\Projects\3600\WP\ProgRpt\PR15.doc

June 12, 2006

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

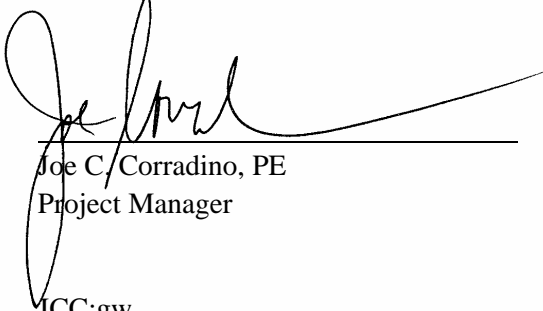
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 17 Progress Report

Dear Mohammed:

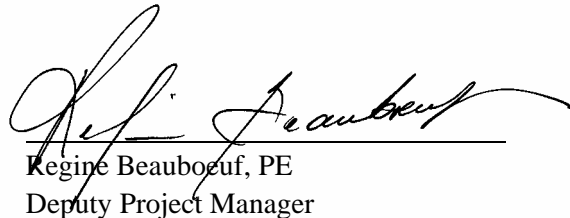
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 17 for May 2006. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
I:\Projects\3600\WP\ProgRpt\PR17.doc
Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
MAY 1 THROUGH MAY 31, 2006**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

✓ **TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN**

A. Work Progress

- Prepared for and participated in the following meetings:
 - ✓ May 1st with MDOT on the writing style for the DEIS.
 - ✓ May 2nd with Supin Yoder and the URS/IBI team to discuss the modeling work.
 - ✓ May 3rd with the Partnership Steering Committee.
 - ✓ May 9th with the public on social/cultural issues (at LA SED on Vernor Avenue).
 - ✓ May 10th with the public on social/cultural issues (at Southwestern High School).
 - ✓ May 11th at the Michigan legislative hearing.
 - ✓ May 15th with MDOT's PPRB.
 - ✓ May 17th with the state agencies.
 - ✓ May 18th at the Michigan legislative hearing.
 - ✓ May 23rd with the DRIC Core Team.
 - ✓ May 23rd with the public at the Delray master planning workshop.
 - ✓ May 26th with the Working Group.
 - ✓ May 31st with the Local Agency Group.
 - ✓ May 31st with the Local Advisory Council.
- Prepared for the following meetings:
 - ✓ June 6th with MDOT's transportation service center and Metro Region personnel on the drilling program.
 - ✓ June 8th on right-of-entry with the City of Detroit.
 - ✓ June 8th with the public on the CSS tour to Toledo and Port Huron.
 - ✓ June 13th with the federal agencies.

- ✓ June 19th with the DRIC Core Team.
- ✓ June 20th and 21st on Environmental Justice training.
- ✓ June 22nd with the Working Group.
- ✓ June 28th with the Steering Committee.
- ✓ June 28th through 30th with the Geophysical Issues Advisory Group.

B. Products

- Materials, notes and/or PowerPoint presentations for the following meetings:
 - ✓ May 1st with MDOT on the writing style for the DEIS.
 - ✓ May 2nd with Supin Yoder and the URS/IBI team to discuss the modeling work.
 - ✓ May 3rd with the Partnership Steering Committee.
 - ✓ May 9th with the public on social/cultural issues (at LA SED on Vernor Avenue).
 - ✓ May 10th with the public on social/cultural issues (at Southwestern High School).
 - ✓ May 11th at the Michigan legislative hearing.
 - ✓ May 15th with MDOT's PPRB.
 - ✓ May 17th with the state agencies.
 - ✓ May 18th at the Michigan legislative hearing.
 - ✓ May 23rd with the DRIC Core Team.
 - ✓ May 23rd with the public at the Delray master planning workshop.
 - ✓ May 26th with the Working Group.
 - ✓ May 31st with the Local Agency Group.
 - ✓ May 31st with the Local Advisory Council.

C. Task Evaluation

- The Michigan legislature has proposed legislation that will cut off funding for the Detroit River International Crossing Study.
- The Local Agency Group meeting of May continued with very light attendance. Consideration is again being given to combining this meeting with the Local Advisory Council.
- The Local Agency Group and Local Advisory Council meetings of June 28th have been canceled.
- Consideration is being given to moving the next social/cultural issues public workshop into August or September.

D. Upcoming Plans

- Prepare for and participate in the following meetings:
 - ✓ June 6th with MDOT's transportation service center and Metro Region personnel on the drilling program.
 - ✓ June 8th on right-of-entry with the City of Detroit.
 - ✓ June 8th with the public on the CSS tour to Toledo and Port Huron.
 - ✓ June 13th with the federal agencies.
 - ✓ June 19th with the DRIC Core Team.
 - ✓ June 20th and 21st on Environmental Justice training.
 - ✓ June 22nd with the Working Group.
 - ✓ June 28th with the Steering Committee.
 - ✓ June 28th through 30th with the Geophysical Issues Advisory Group.
- Assist MDOT, as appropriate, in responding to the Michigan legislature's proposal to end funding of the Detroit River International Crossing Study.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Participated in the May 2nd meeting with Supin Yoder from FHWA on travel demand modeling.
- Documented the selected link analysis for MDOT review.
- Documented the first TDM model applications for MDOT review.
- Drafted a nested logit model application in response to comments made by Supin Yoder at the May 2nd meeting.
- Presented a paper to MDOT on the microsimulation analysis steps/schedule.
- Decided that the crossing speed for further model applications will be 37.5 miles per hour as compared to 45 miles per hour used in the Illustrative Alternatives Analysis.
- Continued coding the future geometry of ramps, merge/weave lanes for microsimulation (VISSIM).

B. Products

- Paper on selected link analysis.
- Paper on the first TDM model application.
- Paper on microsimulation analysis steps.
- Paper on Nested Logit Model development.

C. Task Evaluation

- The use of the 37.5 mile per hour instead of 45 mile per hour speed on the crossing makes very little difference in the overall crossing travel assignments because the crossing link is such a small part of the overall trip.
- The nested logit model, proposed by the consulting team, will respond to Supin Yoder's interest in sensitivity testing of what is known as "induced demand" as it relates to the changes in tolls between the new crossing and the Ambassador Bridge as well as the Detroit-Windsor Tunnel.
- In order to do a complete induced demand analysis, the U.S. Consultant's analysis will cover the Canadian side of the study area. The results will be reported only for the U.S. side.
- The TAR for Phase I of the DRIC Study is being updated as time permits in light of other major activities to maintaining the project schedule on analyzing the Practical Alternatives and producing design-related traffic.
- Response from CBP/GSA on the preliminary plaza definitions is now two months behind the schedule that CBP/GSA set.

D. Upcoming Plans

- Continue the travel demand analysis.
- Build and test the nested logit model.
- Continue with the microsimulation network coding.
- Begin, as appropriate, the application of Border Wizard to define the design requirements of the plaza and design requirements of the alternative interchanges with I-75.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Met on May 11th with EPA to define the PM_{2.5} qualitative hot spot analysis on.
- Drafted an approach to the qualitative PM_{2.5} hot spot analysis. Submitted to FHWA and MDOT for review.

B. Products

- Draft air quality protocol for the qualitative analysis of PM_{2.5} hot spots.

C. Task Evaluation

- Coordination with EPA on the PM_{2.5} qualitative hot spot analysis will allow work to proceed. However, EPA indicates that it will issue instructions within the next year for a quantitative analysis of PM_{2.5} hot spots which will change the current approach.

D. Upcoming Plans

- Meet with FHWA/EPA/MDOT to discuss the draft air quality analysis protocol for the qualitative analysis of PM_{2.5} hot spots.
- Meet with the federal agencies on June 13th to review the status of the project and the writing style for the DEIS.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Participated in the May 9th and 10th social/cultural public meetings.
- Teleconferenced among FHWA/EPA and MDOT on May 11th to discuss the protocol for the qualitative analysis of PM_{2.5} hot spots.
- Finalized the scope of work for the underwater analysis of threatened and endangered species.

- Scheduled work for the underwater survey.
- Resolved there is no need for an MDNR T&E collection permit.
- Met with state agencies on May 17th to review the status of the overall DRIC, particularly the SEE work.
- Continued advancing right-of-entry agreements.
- Inspected the Detroit River and the adjacent area to identify access and sampling issues.
- Defined the possible locations of piers in the river which would affect several environmental analyses (e.g., threatened and endangered species).
- Inspected the study area for wetland sites and access issues.
- Gathered *National Register of Historic Places* information on the Detroit Produce Terminal and the Fort/Green Detroit police station.
- Continued developing historic context for the project.
- Prepared for and coordinated efforts for the public workshop on May 23rd on master planning of the Delray area.
- Prepared land use concepts with and without a new border crossing for the land use/master planning.

B. Products

- Videotapes of the discussions on May 9th and 10th of past, present and foreseeable future with respect to social/cultural issues.
- Draft/preliminary land use plans with and without the bridge for the Delray area.
- Character sketches to accompany the illustrative land use plans.
- Presentation material on the historic context of the Southwest Detroit/Delray area.
- Paper discussing the Detroit River sampling area and general methods of analysis based on potential pier locations.
- Draft analysis protocol for the qualitative analysis of PM2.5 hot spots.

C. Task Evaluation

- The collaboration with EPA and MDEQ on the qualitative analysis of PM2.5 hot spots is productive. However, EPA believes that it will issue guidelines for quantitative analysis of PM2.5 hot spots by the time the DEIS is produced, which may restart this analysis process.
- The Michigan SHPO has indicated that the Detroit Produce Terminal is a likely significant historic property. The Fort/Green Detroit police station may also be significant.
- The right-of-entry matters are proceeding relatively smoothly but slowly with owners of 100 properties agreeing to right-of-entry so far.

D. Upcoming Plans

- Teleconference with FHWA/EPA/MDOT to advance the air quality analysis protocol.
- Continue research on the cultural context for the project.
- Cooperate with MDOT to arrange a field view of the project area of potential effect with the SHPO.
- Participate in the context sensitive solutions tour of Toledo and Port Huron on June 8th.
- Continue development of preliminary master land use plans with and without the bridge for the Delray area. Conduct workshop on June 22nd.
- Meet with the City of Detroit representative to review the draft master plans for the Delray area.
- Set up meetings with the Fort Street Business Association and other local stakeholders to informally review the master plan.
- Schedule the field work for the wetlands analysis and begin delineating and assessing the potential impacts.
- Obtain agent-of-state authority to search under the Detroit river for threatened and endangered species.
- Schedule field work and staffing for the underwater T&E analysis.
- Assist in the processing of right-of-entry for the field work on the T&E and cultural analyses.

TASK 7 (2320) – AERIAL PHOTOGRAPHY**A. Work Progress**

- Processed film and reviewed it for quality of image.
- Titled and labeled aerial photography film to MDOT specifications.

B. Products

- Two sets of contact prints and one set of digital working prints.

C. Task Evaluation

- Processing the data is underway but it appears that the final product will be delivered in August which is later than originally expected (July 30th). The extension of the overall project schedule because of drilling does not make this delay in producing an aerial photography product a problem.

D. Upcoming Plans

- Complete all aerial photography work.

TASK 8 (2330) – GEOTECHNICAL DATA**A. Work Progress**

- Submitted the scope and derivation-of-cost forms for the drilling program for MDOT review and execution.
- Submitted and updated, several times, the proposed relocation program associated with those residents who are potentially negatively impacted by the drilling program as the program now covers an area 300 feet in radius from the drilling site.
- Finalized the presentation to be used to disseminate information with respect to the drilling program.
- Made the drilling program PowerPoint presentation to the Local Advisory Council at its May 31st meeting. Responded to questions.
- Invited the Geophysical Issues Advisory Group to its first meeting on June 28th-30th. Provided appropriate support/background materials.
- Finalized flyers to be disseminated throughout the Delray area in association with the drilling program.
- Prepared the geo program communication plan which includes designating haul routes, setting public meetings, assigning responsibility to field personnel, etc.
- Started the forward modeling.
- Continued to work with MDEQ to secure drilling permits.
- Prepared for a meeting on June 8th with the City of Detroit to advance right-of-entry to the drill sites that it controls.

- Met with a number of property owners to secure permission that MDEQ requires to conduct the drilling. These properties are within 300 feet of the drilling site.

B. Products

- Finalized work plan and derivation-of-cost forms for the drilling program and related activities.
- Invitation to the Geophysical Issues Advisory Group.
- Refined schedule of the drilling program.
- Additional paperwork to respond to MDEQ and the City of Detroit requirements in order to conduct the drilling program.
- Field operating procedures manual including:
 - ✓ Communication program;
 - ✓ Safety program;
 - ✓ Maintenance of traffic program;
 - ✓ Site access protocol;
 - ✓ Relocation program;
 - ✓ Emergency response program;
 - ✓ H₂S contingency plan.
- PowerPoint presentation on the drilling program.

C. Task Evaluation

- The MDEQ requirement that permission be granted by the owner of any property that is “inhabitable” and that is within 300 feet of the drill hole is creating yet additional complications to moving on with the drilling. Nonetheless, individual meetings have been conducted and the response, while slow, is positive from the property owners.
- MDOT’s review of the proposed relocation program is still not final.
- The meeting on June 8th with the City of Detroit to gain access to nine drilling sites is critical to moving the program forward.
- A detailed presentation of the drilling program to the Local Advisory Council on May 31st surfaced only one serious concern and that is about the potential impact on nearby residents.

D. Upcoming Plans

- Assist MDOT as it moves forward with the drilling program work plan and cost proposal.
- Cooperate with the MDOT Real Estate Division to secure a decision on the proposed relocation of families that could negatively be affected by the drilling program.

- Cooperate with MDEQ and the City of Detroit to gain permission to drill.
- Cooperate with property owners to gain permission to drill required by MDEQ.
- Present materials and prepare for the Geophysical Issues Advisory Group meeting of June 28th-30th.
- Distribute flyers throughout the Delray area to announce the drilling program.
- Meet with the MDOT TSC and Metro Region personnel to brief them on the details of the drilling program.
- Meet with MDEQ's field personnel to discuss the details of the drilling program.
- Mobilize the drilling equipment if MDOT approval is secured on June 20th.
- Prepare for a July 6th meeting and tour of the drilling sites for Delray and neighborhood.
- Continue the forward modeling.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Participated in a teleconference with URS to confirm the extent of the engineering work during the Practical Alternatives stage and determine the 50/50 split between Parsons and URS.
- Participated with URS in a teleconference on the draft Cross-Section Technical Memo.
- Developed evaluation criteria for screening of crossing options and submitted to URS for its information.
- Finalized and submitted to URS for review a rock-bearing capacity analysis paper.
- Continued examination of the ramp geometry, number of lanes, characteristics of weave/merge lanes, and the need for collector-distributor facilities along the access ramps for the Practical Alternatives.
- Assisted in preparing for the tour of bridge projects in Toledo and Port Huron.
- Continued coordination with utilities including the Detroit Water Sewer Department and COMCAST.
- Drafted a detailed scope of work to complete the utility analyses of the Practical Alternatives.
- Established the QA/QC processes for review of the Practical Alternatives roadway work.

B. Products

- Draft paper on cross-section analysis and recommendations.
- Draft paper on the rock-bearing capacity analysis.
- Screening criteria paper for crossing evaluation.

- Continued development with URS on the 50/50 split of the crossing work for the Practical Alternatives.
- Internal working paper on the utilities coordination and relocation plan.

C. Task Evaluation

- While progress is being made with URS on a split of the crossing work (50/50), the issue is still not resolved. This may soon cause problems in the progress of the evaluation.
- The navigation study is still pending because of a lack of response from the Canadian Coast Guard.
- Design issues are still pending from U.S. Customs and Border Protection/General Services Administration.

D. Upcoming Plans

- Continue determining the ramp geometry, number of lanes, characteristics of weave/merge lanes, and the need for collector-distributor facilities along the access ramps.
- Continue refining the preliminary access to I-75 to reflect impacts to the existing ramps, service drives and neighborhoods along I-75.
- Submit to MDOT for review and approval the latest concepts and related geometry of the ramps for the Practical Alternatives.
- Continue with utility coordination activities with the utility owners.
- Present a recommendation on a bridge cross-section to the client.
- Help conduct the June 8th CSS tour of Toledo and Port Huron bridge facilities.
- Finalize and submit split of bridge work space to MDOT, based on response from URS.
- Finalize and submit the rock capacity analysis paper to MDOT based upon a response by URS.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Conferred with MDOT on May 1st on the writing style for the DEIS.
- Updated the project schedule with specific determination that there will be integration of the MDOT/Consultant teams in the preparation of the DEIS in October and November 2006, as well as in the period of mid-January through mid-March 2007.

B. Products

- Revised schedule for DEIS and preparation and the overall project.

C. Task Evaluation

- The discussion of the DEIS writing style will be continued at the June 13th meeting with the various federal agencies.

D. Upcoming Plans

- Confer at the June 13th meeting with the federal agencies on the writing style for the DEIS.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Prepared a “Due Care” paper for review with the City of Detroit allowing drilling work to be conducted where site remediation is also underway.
- Continued file research on hazmat properties.
- Set meeting for June 21st with the City of Detroit to review hazmat remediation plans that are completed or underway on the city-owned properties.
- Continued to cooperate with the Michigan DOT in gaining access to private properties as well as City of Detroit properties for hazmat review.

B. Products

- “Due Care” paper dealing with the permissibility of drilling for brine well investigation on properties where remediation of hazardous material conditions is underway.

C. Task Evaluation

- Continued work on gaining right-of-entry to various private properties as well as the City of Detroit is moving smoothly but slowly.

D. Upcoming Plans

- Meet with the City on June 21st to review files so that field work can begin.
- Continued to assist MDOT in the obtaining of the right-of-entry for hazmat Phase I and Phase II analysis.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – TASK 19 (3320) AERIAL TOPOGRAPHIC MAPPING/CONTROL SURVEY FOR AERIALS

A. Work Progress

- Processed field observations for primary and photo control points.
- Prepared target witness locations and field book.
- Evaluated adjustments and accuracies of the photography.

- Reviewed the flight data and established priority areas and a schedule for delivering mapping.
- Continued the aerial triangulation process by reviewing the film for quality and visibility of the targets.

B. Products

- None as none required in this reporting period.

C. Task Evaluation

- Processing of the data will not be completed by July 30th as originally expected. However, this will not cause a problem with the schedule as there is additional time added to the schedule due to the drilling program.

D. Upcoming Plans

- Finalize aerial triangulation solutions for mapping.
- Begin mapping of I-75 helicopter photography.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Continued processing the field operations for primary and photo control points.

B. Products

- None, as none required.

C. Task Evaluation

- Work is proceeding at a pace slower than expected but this will not affect the overall schedule as it is being extended due to the drilling program.

D. Upcoming Plans

- Continued processing field observations for primary and photo control points.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Submitted the scope and derivation-of-cost forms for the drilling program for MDOT review and execution.
- Submitted and updated, several times, the proposed relocation program associated with those residents who are potentially negatively impacted by the drilling program as the program now covers an area 300 feet in radius from the drilling site.
- Finalized the presentation to be used to disseminate information with respect to the drilling program.
- Made the drilling program PowerPoint presentation to the Local Advisory Council at its May 31st meeting. Responded to questions.
- Invited the Geophysical Issues Advisory Group to its first meeting on June 28th-30th. Provided appropriate support/background materials.
- Finalized flyers to be disseminated throughout the Delray area in association with the drilling program.
- Prepared the geo program communication plan which includes designating haul routes, setting public meetings, assigning responsibility to field personnel, etc.
- Started the forward modeling.
- Continued to work with MDEQ to secure drilling permits.
- Prepared for a meeting on June 8th with the City of Detroit to advance right-of-entry to the drill sites that it controls.

- Met with a number of property owners to secure permission that MDEQ requires to conduct the drilling. These properties are within 300 feet of the drilling site.

B. Products

- Finalized work plan and derivation-of-cost forms for the drilling program and related activities.
- Invitation to the Geophysical Issues Advisory Group.
- Refined schedule of the drilling program.
- Additional paperwork to respond to MDEQ and the City of Detroit requirements in order to conduct the drilling program.
- Field operating procedures manual including:
 - ✓ Communication program;
 - ✓ Safety program;
 - ✓ Maintenance of traffic program;
 - ✓ Site access protocol;
 - ✓ Relocation program;
 - ✓ Emergency response program;
 - ✓ H₂S contingency plan.
- PowerPoint presentation on the drilling program.

C. Task Evaluation

- The MDEQ requirement that permission be granted by any owner of a property that is inhabitable that is within 300 feet of the drill hole is creating yet additional problems to moving on with the drilling. Nevertheless, individual meetings have been conducted and the response, while slow, is positive from the property owners.
- MDOT's relocation review of the proposed relocation program is still not final.
- Meeting on June 8th with the City of Detroit to gain access to nine drilling sites is critical to moving the program forward.
- Detailed presentation of the drilling program to the Local Advisory Council on May 31st surfaced only one serious concern and that is about the potential impact on nearby residents.

D. Upcoming Plans

- Assist MDOT as it moves forward with the drilling program work plan and cost proposal.
- Cooperate with the MDOT Real Estate Division to secure a decision on the proposed relocation of families that could negatively be affected by the drilling program.
- Cooperate with MDEQ and the City of Detroit to gain permission to drill.
- Cooperate with property owners to gain permission to drill required by MDEQ.
- Present materials and prepare for the Geophysical Issues Advisory Group meeting of June 28th-30th.
- Distribute flyers throughout the Delray area to announce the drilling program.
- Meet with the MDOT TSC and Metro Region personnel to brief them on the details of the drilling program.
- Meet with MDEQ's field personnel to discuss the details of the drilling program.
- Mobilize the drilling equipment if MDOT approval is secured on June 20th.
- Prepare for a July 6th meeting and tour of the drilling sites for Delray and neighborhood.
- Continue the forward modeling.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Prepared for the June 8th tour of the Toledo and Port Huron bridge facilities to gain a first-hand understanding of the knit of community and infrastructure design elements.

B. Products

- None as none required.

C. Task Evaluation

- Cooperation with the local community continues to be constructive and positive in providing input to the area of mitigation.

D. Plans for Next Reporting Period

- Conduct the June 8th tour of Toledo and Port Huron bridge facilities.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

An updated schedule was submitted to MDOT in May. It will be updated again once Amendment 2 is approved. That change will then be reflected under Item 2.

E. ITEMS NEEDED FROM MDOT

- Right-of-entry paperwork on properties needed to advance the analysis of Practical Alternatives.
- Assistance in dividing the engineering work on the border crossing facilities between the U.S. and Canadian consulting firms.
- Teleconference with EPA and FHWA on the updated air quality protocol for the qualitative analysis of PM_{2.5} hot spots.
- Meeting with FHWA on the scope of the indirect and cumulative impacts analysis.
- Decision of DEIS writing style.
- Response to several papers on travel modeling.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended the following meetings:
 - ✓ May 1st with MDOT on the writing style for the DEIS.
 - ✓ May 2nd with Supin Yoder and the URS/IBI team to discuss the modeling work.
 - ✓ May 3rd with the Partnership Steering Committee.
 - ✓ May 9th with the public on social/cultural issues (at LA SED on Vernor Avenue).
 - ✓ May 10th on social/cultural issues (at Southwestern High School).
 - ✓ May 11th at the Michigan legislative hearing.
 - ✓ May 15th with MDOT's PPRB.
 - ✓ May 17th with the state agencies.
 - ✓ May 18th at the Michigan legislative hearing.
 - ✓ May 23rd with the public at the Delray master planning workshop.
 - ✓ May 23rd with the DRIC Core Team.
 - ✓ May 26th with the Working Group.
 - ✓ May 31st with the Local Agency Group.
 - ✓ May 31st with the Local Advisory Council.
- Plan to attend the following meetings:
 - ✓ June 6th with MDOT's transportation service center and Metro Region personnel on the drilling program.
 - ✓ June 8th on right-of-entry with the City of Detroit.

- ✓ June 8th with the public on the CSS tour.
- ✓ June 13th with the federal agencies.
- ✓ June 19th with the DRIC Core Team.
- ✓ June 20th and 21st on Environmental Justice training.
- ✓ June 22nd with the Working Group.
- ✓ June 28th with the Steering Committee.
- ✓ June 28th through 30th with the geotechnical issues advisory group.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
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¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

H. CONTACT RECORDS

- Daily contact records, daily e-mails and conversations by phone and in person with the MDOT Project Manager and other MDOT/FHWA personnel.
- Two status reports.
- Monthly progress report.
- Meetings of:
 - ✓ May 1st with MDOT on the writing style for the DEIS.
 - ✓ May 2nd with Supin Yoder and the URS/IBI team to discuss the modeling work.
 - ✓ May 3rd with the Partnership Steering Committee.
 - ✓ May 9th with the public on social/cultural issues (at LA SED on Vernor Avenue).
 - ✓ May 10th on social/cultural issues (at Southwestern High School).
 - ✓ May 11th at the Michigan legislative hearing.
 - ✓ May 15th with MDOT's PPRB.
 - ✓ May 17th with the state agencies.
 - ✓ May 18th at the Michigan legislative hearing.
 - ✓ May 23rd with the public at the Delray master planning workshop.
 - ✓ May 23rd with the DRIC Core Team.
 - ✓ May 26th with the Working Group.
 - ✓ May 31st with the Local Agency Group.
 - ✓ May 31st with the Local Advisory Council.

I:\Projects\3600\WP\ProgRpt\PR17.doc

July 5, 2006

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

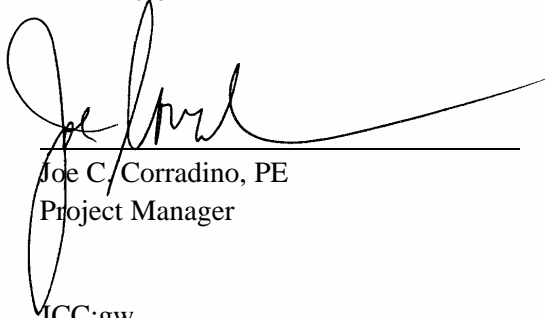
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 18 Progress Report

Dear Mohammed:

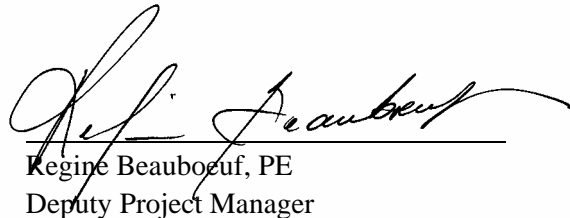
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 18 for June 2006. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
I:\Projects\3600\WP\ProgRpt\PR18.doc
Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
JUNE 1 THROUGH JUNE 30, 2006**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

✓ **TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN**

A. Work Progress

- Prepared for and participated in the following meetings:
 - ✓ June 6th with MDOT's Transportation Service Center and Metro Region personnel on the drilling program.
 - ✓ June 8th on the right-of-entry with the City of Detroit.
 - ✓ June 8th with the public on the CSS tour of Toledo and Port Huron bridges.
 - ✓ June 13th with the federal cooperating agencies.
 - ✓ June 14th with members of Windsor on the tour of Delray.
 - ✓ June 14th with MDEQ on the drilling program.
 - ✓ June 19th with the DRIC Core Team.
 - ✓ June 20th and 21st on environmental justice workshop.
 - ✓ June 22nd with the Working Group.
 - ✓ June 22nd with the public at the Delray master planning workshop.
 - ✓ June 28th with the Steering Committee.
 - ✓ June 28th through 30th with the Geophysical Issues Advisory Group.
- Prepared for the following meetings:
 - ✓ July 7th training for those who want to have access to the geotechnical drilling sites.
 - ✓ July 18th DRIC Core Team meeting.
 - ✓ July 26th Local Advisory Council meeting.
 - ✓ July 27th Working Group meeting (in Canada).

B. Products

- Materials, notes and/or PowerPoint presentations for the following meetings:
 - ✓ June 6th with MDOT’s Transportation Service Center and Metro Region personnel on the drilling program.
 - ✓ June 8th on the right-of-entry with the City of Detroit.
 - ✓ June 8th with the public on the CSS tour of Toledo and Port Huron bridges.
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 - ✓ June 22nd with the Working Group.
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 - ✓ June 28th through 30th with the Geophysical Issues Advisory Group.

C. Task Evaluation

- It is now contemplated that the social/cultural issues workshop will be combined into the CSS working meeting dealing with animation which is likely to be in December.

D. Upcoming Plans

- Prepare for and participate in the following meetings:
 - ✓ July 7th with the geotechnical consultants to conduct safety training for those who want access to the drilling sites.
 - ✓ July 18th with the DRIC Core Team.
 - ✓ July 26th with the Local Advisory Council/Local Agency Group.
 - ✓ July 27th with the Working Group.
 - ✓ August 10th with the Steering Committee.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Continued the travel demand analysis:
 - ✓ Produced a presentation for the Core Team dealing with the effects on border crossing traffic of the Canadian access road as well as the U.S. ramp connections to I-75.

- ✓ Developed an analysis of the traffic peaking characteristics for microsimulation.
- ✓ Completed the microsimulation network coding.
- ✓ Began development of the microsimulation calibration methodology paper.
- ✓ Continued to build the nested logit model.
- ✓ Tested Border Wizard.

B. Products

- PowerPoint presentation on the TDM model's response to the Canadian access road and the ramp configurations to I-75 in the U.S.

C. Task Evaluation

- The TDM analyses has indicated that the Canadian approach (tunnel, service road, etc.) to the access road between Highway 401 and the Canadian plaza has little effect on the overall cross-border travel demand. On the other hand, the length of some of the ramps connecting the U.S. plaza to I-75 have a significant effect on the crossing's travel demand. This is caused by the uniqueness of applying a TransCAD-based TDM to two alternatives that are so closely spaced. The nested logit model will improve how this matter is addressed.

D. Upcoming Plans

- Produce paper on the results of 12 applications of the TDM.
- Produce paper on the approach to calibrating the microsimulation model.
- Continue development of the nested logit model.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Cooperated with FHWA and MDOT to update the protocol to account for the qualitative analysis of PM_{2.5} hot spots.
- Set a meeting of July 19th for a tour of the DRIC/DIFT area and to discuss the updated air quality analysis protocol.
- Attended the June 20th and 21st environmental justice workshops to further define the needs of the analyses in this area.
- Received an EPA/CEQ definition of the requirement to assess transborder environmental impacts

B. Products

- Updated protocol for the quantitative assessment of PM_{2.5} hot spot analysis.

C. Task Evaluation

- Coordination with EPA on July 19th hopefully will resolve the air quality analysis protocol for PM_{2.5} hot spot analyses.
- The need to evaluate transborder environmental impacts is “new news” delivered by FHWA after consultation with EPA. It now appears necessary to convene both U.S. and Canadian agencies to “scope” how these transborder impacts will be handled. Preliminary indications from earlier discussions in 2005 indicated that the indirect/cumulative impacts assessment section of the U.S. EIS will be based upon a summarization of the direct effects analyses included in the Canadian environmental document.

D. Upcoming Plans

- Determine the approach to assessing transborder environmental impacts per the recent EPA/CEQ guidance.
- Conduct tour of the DRIC/DIFT area.
- Advanced the protocol on qualitative assessment of PM_{2.5} hot spots.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Updated again the air quality analysis protocol and disseminated it to MDEQ and EPA.
- Developed the area of potential effects (APE) draft paper and submitted it to MDOT.
- Participated in the Context Sensitive Solutions tour of the Toledo and Port Huron bridge facilities on June 8th.
- Continued development of a preliminary master land use plan with and without the bridge for the Delray area through another workshop on June 22nd.

- Met with the City of Detroit representatives to discuss right-of-entry issues.
- Participated in the EJ workshops.
- Scheduled the field work for the underwater analyses and the wetlands analyses.
- Submitted to the City of Detroit the safety plan for the archaeological investigations on City property.

B. Products

- Updated protocol for the qualitative analysis of PM_{2.5} hot spots.
- Additional draft material on land use plans with and without the bridge for the Delray area.
- Materials for the conduct of the June 8th CSS tour to Toledo and Port Huron.
- The safety plan associated with the archaeological investigations on City property.

C. Task Evaluation

- The review and approval of the updated air quality analysis protocol is a critical path element in this task.
- The need to conduct the virtual tour with the Michigan SHPO is also becoming a critical path item.

D. Upcoming Plans

- Met with FHWA/EPA/MDOT on July 19th to advance the updated air quality analysis protocol and to tour the DIFT and DRIC areas.
- Meet with the SHPO to conduct the virtual tour and discuss the preliminary area of potential effects.
- Continue developing the preliminary master land use plans with and without the bridge for the Delray area.
- Set August 24th for the next Context Sensitive Solutions workshop.
- Set meetings with the Fourth Street Business Association and other local stakeholder to review the master plans.
- Attain the Agent-of-State authority to search for threatened and endangered species under the Detroit River.
- Begin the archaeological field investigations.
- Begin the wetlands and T&E analyses aboveground.
- Continue to assist in processing right-of-entry for field work.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- This task is complete.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Assisted MDOT in reviewing the drilling program and providing adequate information to Commission Audit.
- Cooperated with MDOT's Real Estate Division to secure a positive decision on the relocation of families that could be negatively affected by the drilling program.
- Continued to cooperate with MDEQ and the City of Detroit to gain permission to drill:
 - ✓ Met with the City of Detroit on this matter on June 8th.
 - ✓ Met with MDEQ on June 14th.
 - ✓ Cooperated with the property owners to gain permission to drill as required by MDEQ.
 - ✓ Met with MDOT TSM Metro Region personnel on June 14th to brief them on the details of the drilling program.
- Began the Geophysical Issues Advisory Group work at its meeting of June 28th – 30th.
- Continued the rock mechanics and forward modeling analyses.
- Coordinated with the City of Detroit and MDOT's Lansing and TSC offices on their specifications for fabricating and installing the maintenance-of-traffic signs.

B. Products

- Materials for the following meetings:
 - ✓ June 8th with the City of Detroit on right-of-entry.
 - ✓ June 14th with MDEQ on H₂S emissions.
 - ✓ June 22nd with the Working Group on the drilling program.
 - ✓ June 28th through 30th with the Geo Advisory Group on the drilling program.

C. Task Evaluation

- The City of Detroit advised that forward motion on gaining right-of-entry on numerous properties on which drilling could occur has been suspended because of concerns over H₂S and the contingency plan. This issue needs to be resolved as it has the most significant effect on the drilling program.

- Communication with MDEQ on June 14th indicated that H₂S is both a safety and a nuisance issue. In the latter instance, complaints by anyone will be investigated and, if appropriate corrective measures are not felt to have been taken, then MDEQ will cite the drilling program. This is both a technical and management issue.
- The actions of the Michigan legislature are now making the start of the drilling program more and more uncertain. It is possible that the program, for instance, could be delayed to the latter part of this year or the beginning of 2007. That type delay has major implications on the overall project schedule. They include those caused by weather and the loss of drilling equipment. Alternative scenarios to address this potential delay will be reviewed in the next reporting period.

D. Upcoming Plans

- Address the City of Detroit's concerns with respect to right-of-entry and the H₂S management plan.
- Cooperate with MDEQ as it relates to the H₂S issue as a nuisance.
- Document the results of the June 28th – 30th Geo Advisory Group and send additional materials in preparation for the fall meeting.
- Conduct, on July 7th, safety training for all those who wish to have access to the drilling sites.
- Continue the “paper analysis” of the drilling program in areas such as the rock mechanics and forward modeling.
- Cooperate, as logical, to gain permission from those structure owners within 300 feet of the drill site as required by MDEQ regulations.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Documented the cross-section requirements of the crossing in a technical memorandum. Set a meeting for July 12th with MDOT's Geometrics Division to review.
- Continued determining the ramp geometry, number of lanes, characteristics of weave/merge lanes, and the need for collector/distributor facilities along the access ramps.
- Continued the update of the utility information. Determined potential utility conflicts and began to set meetings with individual utilities regarding their relocation needs.
- Assisted in the conduct of the June 8th CSS tour of the Toledo and Port Huron bridge facilities.
- Assisted MDOT as it attempts to advance the 50/50 split of the engineering work on the crossing.
- Began preparations for additional Context Sensitive Solutions workshops in August, October and December.
- Prepared a paper for the evaluation of the crossing alternatives. Submitted it to MDOT for review.
- Continued to press for a response by CBP on the early preliminary plazas.

B. Products

- Technical memorandum on bridge cross-section.
- Technical paper on design criteria submitted to MDOT.
- Technical paper on evaluation of crossings submitted to MDOT.
- Evaluation data on the Practical Alternatives minus the traffic travel demand and design issues.

C. Task Evaluation

- The inability to address the 50/50 split of the crossing work is a major impediment to progress. After 18 months, the Canadians continue to insist that the level of detail that is required by the U.S. work plan is "too much." This issue must be resolved.
- The lack of response by the CBP on the original plaza concepts reviewed with them several months ago is also becoming a critical path item. CBP must be pressed in this regard.

D. Upcoming Plans

- Continue to coordinate with MDOT Lansing/TSC offices and the City of Detroit in the construction and installation of the maintenance-of-traffic signs.
- Coordinate with the Canadians on crossing alignments, cross-section, and other pertinent technical information.

- Meet with MDOT with respect to the crossing cross-section technical memorandum and interchange geometrics.
- Continue to refine the geometry of the ramps connecting to the plazas and other issues associated with the roadway portion of the project.
- Continue the coordination with utility owners in the area.
- Assist MDOT in establishing the final resolution of the 50/50 split of crossing costs.
- Begin to implement the evaluation of the crossing paper so that the engineering aspects of the impacts of the crossing can be decided.
- Continue with bridge type studies.
- Complete the navigation study.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Conferred with the federal agencies on June 13th about the writing style of the DEIS.

B. Products

- None as none required.

C. Task Evaluation

- The federal cooperating agencies, all signators to the Streamlining Agreement, have been asked to approve/disapprove the use of the “reader-friendly” format for the DRIC DEIS. A decision on this issue is likely at the next meeting of September 12th.

D. Upcoming Plans

- Process, as appropriate, documentation to prepare the DEIS.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Met with the City on June 8th to ensure that any work being conducted in the drilling program will not affect the site remediation at the Detroit Coke site or other properties at which drilling will take place.
- Met with the City of Detroit on June 21st to review their files so that field work could begin.
- Continued to assist MDOT in obtaining the right-of-entry for hazmat Phase I and Phase II analyses.

B. Products

- Additional material including the H₂S contingency plan and the training plan provided to the City as it relates to any site access.

C. Task Evaluation

- Work continues to gain right-of-entry with about 100 agreements signed by private owners. Additionally, there are about 40 non-responsive/rejections that MDOT will have to decide to pursue in court.

D. Upcoming Plans

- Conduct reconnaissance and develop work plans for parcels with approved right of entry agreements.
- Continue to collect & review environmental site data for the technical reports.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – TASK 19 (3320) AERIAL TOPOGRAPHIC MAPPING/CONTROL SURVEY FOR AERIALS

A. Work Progress

- Completed the review of the topographic mapping, preliminary products, and established priority areas for submitting mapping deliverables.
- Completed the film review for quality and visibility of the targets.
- Completed the aerial translation for the mapping.
- Completed the mapping for Priority Area 1 for delivery to the client by July 5th.

B. Products

- Mapping of Priority Area 1.
- Microstation Geo pack files.

C. Task Evaluation

- The work is about 60 percent complete with expectation of completion of the entire task by mid-August.

D. Upcoming Plans

- Complete mapping of Priority Area 2.

- Begin mapping of Priority Area 3.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Completed survey data processing.
- Delivered control point coordinate data to photogrammetry and for use in the aerial triangulation.
- Began preparation of the photogrammetric control survey report.

B. Products

- Photogrammetric control survey portfolio.

C. Task Evaluation

- The work is proceeding such that 95 percent of the task is complete.

D. Upcoming Plans

- Complete the photogrammetric control survey report.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Assisted MDOT in reviewing the drilling program and providing adequate information to the Commission Audit.
- Cooperated with MDOT's Real Estate Division to secure a positive decision on the relocation of families that could be negatively affected by the drilling program.
- Continued to cooperate with MDEQ and the City of Detroit to gain permission to drill:
 - ✓ Met with the City of Detroit on this matter on June 8th.
 - ✓ Met with MDEQ on June 14th.
 - ✓ Cooperated with the property owners to gain permission to drill as required by MDEQ.
 - ✓ Met with MDOT TSM Metro Region personnel on June 14th to brief them on the details of the drilling program.
- Began the Geophysical Issues Advisory Group work at its meeting of June 28th – 30th.
- Continued the rock mechanics and forward modeling analyses.
- Coordinated with the City of Detroit and MDOT's Lansing and TSC offices on their specifications for fabricating and installing the maintenance-of-traffic signs.

B. Products

- Materials for the following meetings:
 - ✓ June 8th with the City of Detroit on right-of-entry.
 - ✓ June 14th with MDEQ on H₂S emissions.
 - ✓ June 22nd with the Working Group on the drilling program.
 - ✓ June 28th through 30th with the Geo Advisory Group on the drilling program.

C. Task Evaluation

- The City of Detroit advised that forward motion on gaining right-of-entry on numerous properties on which drilling could occur has been suspended because of concerns over H₂S and the contingency plan. This issue needs to be resolved as it has the most significant effect on the drilling program.
- Communication with MDEQ on June 14th indicated that H₂S is both a safety and a nuisance issue. In the latter instance, complaints by anyone will be investigated and, if appropriate corrective measures are not felt to have been taken, then MDEQ will cite the drilling program. This is both a technical and management issue.

- The actions of the Michigan legislature are now making the start of the drilling program more and more uncertain. It is possible that the program, for instance, could be delayed to the latter part of this year or the beginning of 2007. That type delay has major implications on the overall project schedule. They include those caused by weather and the loss of drilling equipment. Alternative scenarios to address this potential delay will be reviewed in the next reporting period.

D. Upcoming Plans

- Address the City of Detroit’s concerns with respect to right-of-entry and the H₂S management plan.
- Cooperate with MDEQ as it relates to the H₂S issue as a nuisance.
- Document the results of the June 28th – 30th Geo Advisory Group and send additional materials in preparation for the fall meeting.
- Conduct, on July 7th, safety training for all those who wish to have access to the drilling sites.
- Continue the “paper analysis” of the drilling program in areas such as the rock mechanics and forward modeling.
- Cooperate, as logical, to gain permission from those structure owners within 300 feet of the drill site as required by MDEQ regulations.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Conducted the June 8th tour of Toledo and Port Huron bridge facilities.
- Began an understanding of mitigation measures and community enhancements associated with comparable projects.

B. Products

- Materials for the June 8th CSS tour.

C. Task Evaluation

- Cooperation with the local community continues to be constructive and positive.

D. Upcoming Plans

- Continue collaboration among disciplines and with community to define mitigation measures.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

An updated schedule was submitted to MDOT in May. It will be updated again once Amendment 2 is approved. That change will then be reflected under Item 2.

E. ITEMS NEEDED FROM MDOT

- Right-of-entry paperwork on properties needed to advance the analysis of Practical Alternatives.
- Assistance in dividing the engineering work 50/50 on the border crossing facilities between the U.S. and Canadian consulting firms.
- Meeting and tour with FHWA and MDEQ of the analysis area and the updated air quality protocol for the qualitative analysis of PM_{2.5} hot spots.
- Decision of DEIS writing style.
- Response to several papers on travel demand modeling.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Attended the following meetings:
 - ✓ June 6th with MDOT's Transportation Service Center and Metro Region personnel on the drilling program.
 - ✓ June 8th on the right-of-entry with the City of Detroit.
 - ✓ June 8th with the public on the CSS tour of Toledo and Port Huron bridges.
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 - ✓ June 22nd with the public at the Delray master planning workshop.
 - ✓ June 28th with the Steering Committee.
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- Plan to attend the following meetings:
 - ✓ July 7th training for those who want to have access to the geotechnical drilling sites.
 - ✓ July 18th DRIC Core Team meeting.

- ✓ July 26th Local Advisory Council meeting.
- ✓ July 27th Working Group meeting (in Canada).

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 - ✓ June 28th through 30th with the Geophysical Issues Advisory Group.

August 8, 2006

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

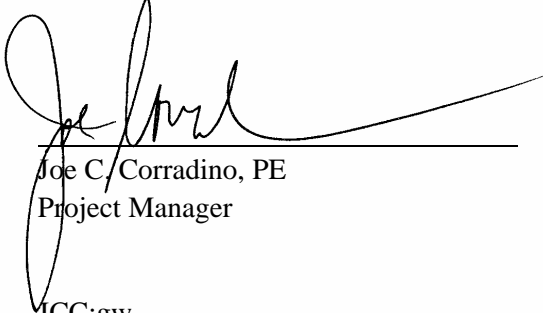
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 19 Progress Report

Dear Mohammed:

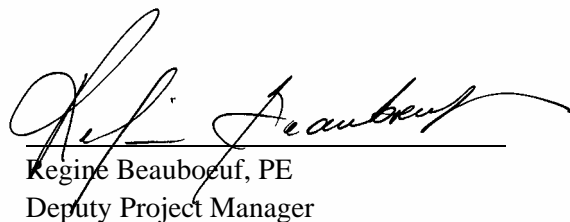
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 19 for July 2006. The invoice will be submitted under separate cover to Tonya Novach.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
I:\Projects\3600\WP\ProgRpt\PR19.doc
Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
JULY 1 THROUGH JULY 31, 2006**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

✓ **TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN**

A. Work Progress

- Prepared for and participated in the following meetings:
 - ✓ July 7th safety training to be able to access the drilling sites.
 - ✓ July 14th with the City of Detroit to review first responders' concerns about the brine well drilling.
 - ✓ July 18th with COMCAST.
 - ✓ July 18th with MDOT on the bridge cross-section and related items.
 - ✓ July 18th with the DRIC Core Team.
 - ✓ July 19th with Qwest and MCI utility companies.
 - ✓ July 19th tour of the DRIC and DIFT areas with EPA and a review of the air quality protocol.
 - ✓ July 20th with the City of Detroit first responders' on the H₂S evacuation plan.
 - ✓ July 20th with the ITC utility company.
 - ✓ July 20th with the Detroit Economic Growth Corporation on the status of the Delray master planning.
 - ✓ July 24th with MCI utility company.
 - ✓ July 24th with DTE utility company.
 - ✓ July 25th with SBC utility company
 - ✓ July 26th with AT&T utility company.
 - ✓ July 26th with the Local Advisory Council.
 - ✓ July 27th with the Working Group.
- Prepared for the following meetings:
 - ✓ August 2nd with BP utility company.

- ✓ August 2nd with DWSD.
- ✓ August 7th with Michcan utility company.
- ✓ August 9th with the Working Group.
- ✓ August 10th with the Steering Committee.
- ✓ August 15th with DaimlerChrysler.
- ✓ August 18th with MDOT in preparation for the August 24th CSS workshop.
- ✓ August 24th with the public at the CSS workshop.
- ✓ August 22nd with the Core Team.
- ✓ August 23rd with MDOT for a geometrics review.
- ✓ August 30th with the Joint Local Advisory Council/Local Agency Group.
- ✓ August 31st with the Working Group.
- ✓ September 12th with state and federal agencies in a combined DRIC review.

B. Products

- Materials, notes and/or PowerPoint presentations for the following meetings:
 - ✓ July 7th safety training to be able to access the drilling sites.
 - ✓ July 14th with the City of Detroit to review first responders' concerns about the brine well drilling.
 - ✓ July 18th with COMCAST.
 - ✓ July 18th with MDOT on the bridge cross-section and related items.
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 - ✓ July 26th with AT&T utility company.
 - ✓ July 26th with the Local Advisory Council.
 - ✓ July 27th with the Working Group.

C. Task Evaluation

- Indications early in July from the Canadian team was that the CSS workshops would be totally coordinated with the U.S. team. However, at the July 27th Working Group meeting, it became less clear that there would be tight coordination. It may be that the extensive logistics requirements, particularly for the October simulation workshop, has contributed to the less-than-enthusiastic approach.
- Meetings with the City of Detroit have surfaced extensive interest in an H₂S evacuation plan. the City has requested that it be developed in such a way that the evacuation site(s) be defined; that City emergency personnel responding to an evacuation be compensated by the project; and, that appropriate communications protocols be put in place so that the City can respond to the media in case an evacuation occurs.

D. Upcoming Plans

- Prepare for and participate in the following meetings:
 - ✓ August 2nd with BP utility company.
 - ✓ August 2nd with DWSD.
 - ✓ August 7th with Michcan utility company.
 - ✓ August 9th with the Working Group.
 - ✓ August 10th with the Steering Committee.
 - ✓ August 15th with DaimlerChrysler.
 - ✓ August 18th with MDOT in preparation for the August 24th CSS workshop.
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 - ✓ August 23rd with MDOT for a geometrics review.
 - ✓ August 30th with the Joint Local Advisory Council/Local Agency Group.
 - ✓ August 31st with the Working Group.
 - ✓ September 12th with state and federal agencies in a combined DRIC review.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Produced a paper on the results of a dozen applications of the travel demand model. Received MDOT approval.
- Drafted a paper on calibrating the microsimulation model.
- Continued developing the nested logit model.

B. Products

- A paper accepted by MDOT on the application of the travel demand model.
- An internal draft of the microsimulation model calibration paper.

C. Task Evaluation

- The TDM analyses indicate that the nested logit model is essential to address time and cost substitutes associated with the new crossing and the Ambassador Bridge.

D. Upcoming Plans

- Continued to build the nested logit model, apply it, and produce preliminary documentation for MDOT review.
- Distributed to MDOT the microsimulation model calibration paper.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Defined that transboundary environmental impacts are required to be documented in the EIS.
- Agreed with the Canadian team that an agency scoping meeting would be conducted in the Fall of 2006 to address the transboundary impacts.
- Met with EPA on July 19th to advance the air quality protocol dealing with qualitative PM_{2.5} hot spot analysis.

B. Products

- Draft update of the protocol on the qualitative PM_{2.5} analyses based upon input from EPA on July 19th.

C. Task Evaluation

- The meeting with EPA on July 19th indicated that hot spot analyses are required for both PM₁₀ and PM_{2.5}. Additionally, a test must be applied to determine the need for a general conformity analysis. All of these requirements are being integrated into an updated air quality protocol for further review by EPA, FHWA, MDEQ and MDOT.
- The transboundary impact analysis will be documented in the DRIC EIS in the Indirect and Cumulative Impacts section of the document. Nonetheless, it is essential to have that approach reviewed by the U.S. and Canadian agencies. That will likely occur in the fall.

D. Upcoming Plans

- Circulate and obtain review from EPA, MDEQ, and MDOT of the updated air quality protocol.
- Prepare for a combined federal/state agencies coordination meeting on September 12th.
- Advance the definition of a transboundary effects meeting and assist in preparing for it.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Met with FHWA/EPA/MDOT on July 19th to advance the Air Quality Analysis Protocol and to tour the DIFT and DRIC areas.
- Submitted to the SHPO a draft Area of Potential Effects for cultural analysis.
- Continue developing the preliminary master land use plans with and without the bridge for the Delray area.
- Continued the historic structure inventory for the Delray study area.
- Started the recordation process for the Delray east portion of the project. This included visiting the previously recorded historic sites.
- Continued to identify properties that will need access for archaeology. Provided information on properties to be investigated and alternative properties that may be needed should some of the original properties not be accessible.
- Conducted an internal preparation meeting on July 19th in advance of the Context Sensitive Solutions workshop set for August 24th.
- Postponed the archaeological investigations as permission to excavate near the deep bore hole drilling sites has not been received.
- Made preparations to do the underwater submarine surveillance, which will begin on August 23rd.
- Continued to meet with the City of Detroit on right-of-entry issues.

- Conducted several social/cultural interviews including those with the groups from the South Schaefer area and the Delray United Action Council.
- Coordinated with First Nations including the Gun Lake Tribe of Potawatomi Indians; the Hannahville Indian Community of the Potawatomi Indian tribe; the Pokagon Band of Potawatomi Indians; and, the Match-E-Be-Nash-Wish Band of Potawatomi Indians.

B. Products

- Updated protocol for the qualitative analysis of PM_{2.5} hot spots and additional information on attending to the PM₁₀ analyses as well as general conformity analyses.
- Draft Area of Potential Effects report.

C. Task Evaluation

- The meeting with EPA on July 19th indicated that hot spot analyses are required on both PM₁₀ and PM_{2.5}. Additionally, a test must be applied to determine the need for a general conformity analysis. All of these requirements are being integrated into an updated air quality protocol for continuing and further review by EPA, FHWA, MDEQ and MDOT.
- Over 75 private properties have agreed to provide access for various purposes. Many other properties that have denied right-of-entry will not be pursued in court. Information from those properties is not essential to completing the EIS. That is not the case for the PVS Chemicals property for which deep bore drilling is necessary. Court action to gain entry may be necessary.

D. Upcoming Plans

- Make final preparations with MDOT on August 18th for the August 24th workshop.
- Conduct the next Context Sensitive Solutions workshop on August 24th.
- Begin the underwater submarine research on August 23rd.
- Signed agreement with Michigan Natural Features Inventory for assistance in underwater survey.
- Begin photographing structures in the field for historic properties recording purposes.
- Continue cooperating with the City and private property owners on right-of-entry.
- Meet MDOT and SHPO to discuss the APE report.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- This task is complete.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Continued to address the City of Detroit’s concern with respect to right-of-entry and the H₂S management plan.
- Cooperated with MDEQ as it relates to the H₂S issue as a nuisance.
- Communicated with the GeoAdvisory Group twice, providing the following information:
 - ✓ Presentation materials of June 28th, 29th and 30th.
 - ✓ Placement of bridge foundations in the X-10 and X-11 corridors in relation to borehole placement.
 - ✓ Possible pier locations in the Detroit River.
 - ✓ The Protocol to define the minimum target void size for detection.
 - ✓ Preliminary definition of criteria at each of the decision points in the Design Diagrams.
- Estimated the cost of additional analysis suggested by GeoAdvisory Group.
- Conducted on July 7th a safety training program for all those who wished to have access to the drilling sites.
- Continued the forward modeling analysis of the drilling. Prepared paper for internal review.
- Continued to cooperate to gain permission from those structure owners within 300 feet of the drill site as required by MDEQ regulations.
- Shifted hole #7 from the neighborhood to between holes 1 and 2 along the river’s edge.
- Shifted hole #16 from the neighborhood to between holes 10 and 11 on the river’s edge.
- Cooperated with the City of Detroit to gain access to almost 100 sites on which to conduct shallow drilling.
- Responded to the Honeywell/Mactech comments dealing with drilling on the Detroit Coke site.
- Issued Vibration Level memo.
- Drafted Evacuation Plan.

B. Products

- The following materials were distributed to the GeoAdvisory Group:
 - ✓ Vibration Level memo.
 - ✓ Protocol to Define Target Void Size memo on July 17, 2006.
 - ✓ Decision diagram for field drilling memo on July 17, 2006.
 - ✓ Rock Mechanics Forward Modeling paper for internal review on July 21, 2006. Response to City of Detroit Hydrogen Sulfide concerns meeting on July 20, 2006.
 - ✓ Internal memo on estimated cost of additional analysis suggested by GeoAdvisory Group.

- ✓ Internal Draft Evacuation Plan.
- Materials distributed on July 7th for the safety training meeting.

C. Task Evaluation

- The Geo Peer Group made three major recommendations to affect going forward with the brine well drilling program:
 - ✓ Shifting of the bore holes so that one would be under each of the main foundations;
 - ✓ Use of gravimeter;
 - ✓ Application of VSP.
 - ✓ Additionally, and while not being considered a critical item, use of televiewers in selected bore holes is being proposed by the Consultant team. As a result, the geotechnical work will be updated to be responsive to the GeoAdvisory Group input.
- Gaining right-to-enter permission is complicated by the lack of progress with the private sector owners on three holes and meeting the City of Detroit's need for an evacuation plan in case of a significant H₂S release.
- Cooperation with the City of Detroit to conduct shallow drilling for ramps/plazas and environmental purposes has proceeded well. Some work will likely begin in August.

D. Upcoming Plans

- Update the project schedule based upon the likelihood of beginning the geotechnical drilling in October.
- Conduct additional safety training, as appropriate.
- Continue with the forward modeling. Document it.
- Begin the shallow drilling program in streets.
- Continue to work with the City of Detroit and the private property owners to gain right-of-entry.
- Continue to cooperate with the property owners within 300 feet of the core holes to gain permission to do the drilling.
- Work with MDOT to advance the package of work permitted in the next contract amendment.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Coordinated with the MDOT Lansing/TSC offices and the City of Detroit to construct and install maintenance-of-traffic signs as it relates to the drilling program.

- Coordinated with the Canadians on the crossing alignments, cross-section, and other pertinent technical information.
- Met with MDOT on July 18th to discuss the border crossing cross-section, technical memorandum, and other design-related issues.
- Continued to refine the geometry of the ramps connecting to the plazas and other issues associated with the roadway portion of the project. Revised horizontal and vertical alignments at X-10 and X-11. Updated the preliminary geometric layouts and submitted them to MDOT.
- Continued coordination with utility owners in the area as follows:
 - ✓ July 18th with COMCAST.
 - ✓ July 19th with Qwest and MCI utility companies.
 - ✓ July 20th with the ITC utility company.
 - ✓ July 24th with MCI utility company.
 - ✓ July 25th with SBC utility company
 - ✓ July 26th with the Local Advisory Council.
- Cooperated with the Canadians to finally resolve the split of the crossing work 50/50 among the U.S. and the Canadian teams.
- Continued the bridge type studies.
- Progressed structure study.
- Continued the navigation study.
- Shifted some of the piers in the water after discussions with the Canadians.
- Resolved the 50/50 split of the crossing work with the Canadians.
- Communicated with the General Services Administration about the master planning work that it is doing for the Ambassador Bridge area.
- Completed and submitted cross section study memo.
- Developed draft design criteria and Type Study report outline.
- Continued with the development of local access and the local ramp geometry on the Practical Alternatives. Includes horizontal and vertical geometry of 48 new ramps.

B. Products

- Technical memoranda on the bridge cross-section, evaluation process, draft design criteria and Type Study report.
- Design information on the ramps connecting I-75 to the plaza.

C. Task Evaluation

- The split of the crossing work 50/50 has effectively returned the concept to that proposed by the U.S. team from the very outset of this discussion in February 2005.
- CBP has still not responded to plaza layouts provided to it in February. It is now four months overdue. In the meantime, Gary Regatz of CBP has moved from his position, further complicating the ability to gain the information needed to maintain the progress of the project.
- The delay in gaining access to an adequate number of properties is likely to shift the drilling schedule so that the results of the deep drilling program will not be concluded until Summer of 2007 and the DEIS not published until late in the year.
- A new plaza option will be developed to accommodate Interchange Option 6, as suggested by Hugh McNichols.

D. Upcoming Plans

- Continue to work with the City of Detroit and the private property owners to gain right-of-entry.
- Continue to cooperate with the property owners within 300 feet of the core holes to gain permission to do the drilling.
- Work with MDOT to advance the package of work permitted in the next contract amendment.
- Hold review meeting on August 23rd with MDOT on the geometry of the proposed ramps along I-75.
- Continue to refine the Practical Alternatives compete with system and local interchanges. This will be done and submitted to MDOT for review and to the evaluation of the performance of the Practical Alternatives later this summer. Refinement will continue throughout the summer with the determination of ramps geometry, number of lanes, characteristics of weave/merge lanes and the need for Collector-Distributor along the access ramps.
- Continue with the refinement of the preliminary access to I-75 to reflect impacts to existing ramps, service drives and neighborhoods along the west side of I-75.
- Continue utility coordination activities with the utility owners in the area.
- Continue determining and assessing impacts to utilities caused by the preliminary layouts of plazas, ramps and crossings.
- Continue with the Bridge Type Studies (7 Bridge Options).
- Complete Navigation Study.
- Meeting with the Canadian Coast Guard.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Received word from the GSA that it accepted the user-friendly style of the DEIS.

B. Products

- None as none required.

C. Task Evaluation

- The federal cooperating agencies have been asked to approve/disapprove the use of the “reader-friendly” format of the DRIC DEIS. A decision on this issue is likely at the next meeting of September 12th.

D. Upcoming Plans

- Revise the schedule for producing the DEIS.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Reviewed environmental reports received from DEQ/Land and Water Management Division.
- Conducted file review at DEQ/Waste and Hazardous Materials Division.
- Spoke with Paul Towsley of Peerless Metals regarding the project and right-of-entry letter.

B. Products

- None as none required.

C. Task Evaluation

- Work continues on gaining right-to-enter permission.

E. Upcoming Plans

- Interview Mr. Towsley of Peerless Metals and conduct reconnaissance of his property.
- Conduct site reconnaissance of additional properties that have approved right-of-entry agreements.
- Continue to collect and review environmental site data for the technical reports.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – TASK 19 (3320) AERIAL TOPOGRAPHIC MAPPING/CONTROL SURVEY FOR AERIALS

A. Work Progress

- Completed Aerial Triangulation solutions for mapping.
- Completed Mapping of Priority Area 2 and 3 for delivery August 15th.
- Set-up Ortho Tile layout for manageable sized images.
- Continued dialogue with MDOT on V8 and Caice CAD issues.

B. Products

- Microstation and Geopak files – delivered on Woolert FTP.
- Delivered bound AT report to client.

C. Task Evaluation

- Work in this task is 85 percent complete.

D. Upcoming Plans

- Complete Mapping of Priority Area 3.
- Complete Ortho projections of all areas.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Begin preparation of Photogrammetric Control Survey report.

B. Products

- None as none required.

C. Task Evaluation

- Work in this task is 95 percent complete.

D. Upcoming Plans

- Start Structure Surveys (7) for I-75 Bridge Under-clearances in Priority Area 1.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Continued to address the City of Detroit's concern with respect to right-of-entry and the H₂S management plan.
- Cooperated with MDEQ as it relates to the H₂S issue as a nuisance.
- Communicated with the GeoAdvisory Group twice, providing the following information:
 - ✓ Presentation materials of June 28th, 29th and 30th.
 - ✓ Placement of bridge foundations in the X-10 and X-11 corridors in relation to borehole placement.
 - ✓ Possible pier locations in the Detroit River.
 - ✓ The Protocol to define the minimum target void size for detection.
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- Estimated the cost of additional analysis suggested by GeoAdvisory Group.
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 - ✓ Internal Draft Evacuation Plan.
- Materials distributed on July 7th for the safety training meeting.

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 - ✓ Use of gravimeter;
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 - ✓ Additionally, and while not being considered a critical item, use of televiwers in selected bore holes is being proposed by the Consultant team. As a result, the geotechnical work will be updated to be responsive to the GeoAdvisory Group input.
- Gaining right-to-enter permission is complicated by the lack of progress with the private sector owners on three holes and meeting the City of Detroit's need for an evacuation plan in case of a significant H₂S release.
- Cooperation with the City of Detroit to conduct shallow drilling for ramps/plazas and environmental purposes has proceeded well. Some work will likely begin in August.

D. Upcoming Plans

- Update the project schedule based upon the likelihood of beginning the geotechnical drilling in October.
- Conduct additional safety training, as appropriate.
- Continue with the forward modeling. Document it.
- Begin the shallow drilling program in streets.
- Continue to work with the City of Detroit and the private property owners to gain right-of-entry.

- Continue to cooperate with the property owners within 300 feet of the core holes to gain permission to do the drilling.
- Work with MDOT to advance the package of work permitted in the next contract amendment.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Continued collaboration among disciplines with the community to define mitigation measures.

B. Products

- None as none required.

C. Task Evaluation

- Cooperation with the local community continues to be constructive and positive.

D. Upcoming Plans

- Continue collaboration among disciplines and with community to define mitigation measures.
- Conduct the August 24th CSS workshop on the crossing system.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

The schedule will be updated in August.

E. ITEMS NEEDED FROM MDOT

- Right-of-entry paperwork on properties needed to advance the analysis of Practical Alternatives.
- Decision on DEIS writing style.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- Received word that the Michigan legislature passed the transportation budget for Fiscal Year 2007 restricting funding on the DRIC to right-of-way acquisition and design. This does not affect the continued study work and the use of other funds outside of Fiscal Year 2007 for activities needed to complete the DEIS.
- At the following meetings:
 - ✓ July 7th safety training to be able to access the drilling sites.
 - ✓ July 14th with the City of Detroit to review first responders' concerns about the brine well drilling.
 - ✓ July 18th with COMCAST.
 - ✓ July 18th with MDOT on the bridge cross-section and related items.
 - ✓ July 18th with the DRIC Core Team.
 - ✓ July 19th with Qwest and MCI utility companies.
 - ✓ July 19th tour of the DRIC and DIFT areas with EPA and a review of the air quality protocol.
 - ✓ July 20th with the City of Detroit first responders' on the H₂S evacuation plan.
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 - ✓ July 20th with the Detroit Economic Growth Corporation on the status of the Delray master planning.
 - ✓ July 24th with MCI utility company.
 - ✓ July 24th with DTE utility company.
 - ✓ July 25th with SBC utility company
 - ✓ July 26th with AT&T utility company.
 - ✓ July 26th with the Local Advisory Council.
 - ✓ July 27th with the Working Group.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Context Sensitive Design 2
First week of July 2006	First week of July 2006	13 Community Impact Assessment 2
Fourth week of July 2006	Fourth week of July 2006	14 Engineering Concepts Report
First week of August 2006	First week of August 2006	15 Context Sensitive Design 3
Second week of August 2006	Second week of August 2006	16 Preliminary DEIS
Second week of October 2006	Second week of October 2006	17 Draft DEIS
Fourth week of November 2006	Fourth week of November 2006	18 Public Hearing Script/Video
Second week of December 2006	Second week of December 2006	19 FHWA Approved DEIS
Second week of January 2007	Second week of January 2007	20 DEIS Public Hearing
Second week of April 2007	Second week of April 2007	21 Public Hearing Comment Summary
Fourth week of July 2007	Fourth week of July 2007	22 Recommended Alternative
Fourth week of August 2007	Fourth week of August 2007	23 Final EIS
Fourth week of September 2007	Fourth week of September 2007	24 Final Engineering Report
Fourth week of November 2007	Fourth week of November 2007	25 MOU
Second week of December 2007	Second week of December 2007	26 Recommended Alternative Presentation
Fourth week of December 2007	Fourth week of December 2007	27 Access Justification Report
Fourth week of December 2007	Fourth week of December 2007	28 ROD

¹ Revised based upon the occurrence of various overlapping spring breaks.

ATTACHMENT

H. CONTACT RECORDS

- Daily contact records, daily e-mails and conversations by phone and in person with the MDOT Project Manager and other MDOT/FHWA personnel.
- Two status reports.
- Monthly progress report.
- Notes of meetings of:
 - ✓ July 7th safety training to be able to access the drilling sites.
 - ✓ July 14th with the City of Detroit to review first responders' concerns about the brine well drilling.
 - ✓ July 18th with COMCAST.
 - ✓ July 18th with MDOT on the bridge cross-section and related items.
 - ✓ July 18th with the DRIC Core Team.
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 - ✓ July 20th with the City of Detroit first responders' on the H₂S evacuation plan.
 - ✓ July 20th with the ITC utility company.
 - ✓ July 20th with the Detroit Economic Growth Corporation on the status of the Delray master planning.
 - ✓ July 24th with MCI utility company.
 - ✓ July 24th with DTE utility company.
 - ✓ July 25th with SBC utility company
 - ✓ July 26th with AT&T utility company.
 - ✓ July 26th with the Local Advisory Council.
 - ✓ July 27th with the Working Group.

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September 5, 2006

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

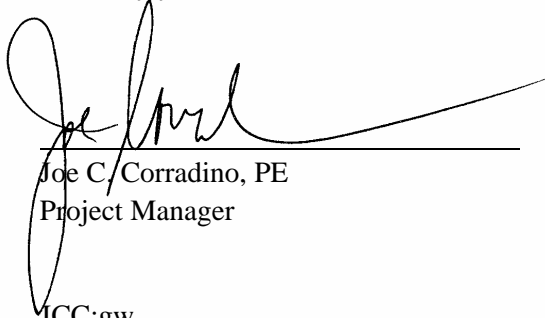
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 20 Progress Report

Dear Mohammed:

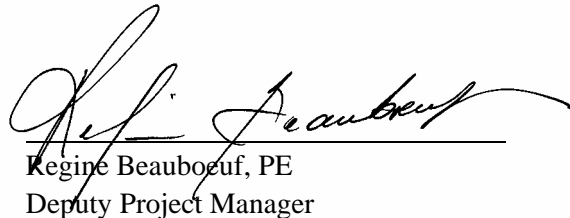
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 20 for August 2006. The invoice will be submitted under separate cover to Portia Van Pelt.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
AUGUST 1 THROUGH AUGUST 31, 2006**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

✓ **TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN**

A. Work Progress

- Prepared for and participated in the following meetings:
 - ✓ August 2nd with BP utility company.
 - ✓ August 2nd with Detroit Water and Sewer Department.
 - ✓ August 7th with Michcon utility company.
 - ✓ August 9 with Working Group.
 - ✓ August 10th with Steering Committee.
 - ✓ August 15th with DaimlerChrysler.
 - ✓ August 18th with MDOT to prepare for the August 24th CSS workshop.
 - ✓ August 22nd with the Core Team.
 - ✓ August 23rd with MDOT for a geometrics review.
 - ✓ August 24th with the public at the CSS workshop.
 - ✓ August 30th with the joint Local Advisory Council/Local Agency Group.
 - ✓ August 31st with the Working Group.
- Prepared for the following meetings:
 - ✓ September 12th with the federal and state agencies.
 - ✓ September 13th with the U.S. and Canadian Coast Guards.
 - ✓ September 19th with the Core Team.
 - ✓ September 25th the virtual tour with the State Historic Preservation Office.
 - ✓ September 27th with the Local Agency Group/Local Advisory Council.
 - ✓ September 28th with the Working Group.
 - ✓ October 5th with the Steering Committee.

- Continued preparation for the public “hands-on” CSS workshop on November 2nd in the U. S. and November 15th in Canada. Prepared a general outline for this workshop.
- Completed aerial photography providing a new base of aerials to be used in the public communication process.
- Submitted information to MDOT to allow an Amendment No. 2 to go forward to include various communication activities, including additional workshops and displays of the products.
- Accepted the withdrawal of Hamilton Anderson Associates from the DRIC study team.
- Inventoried conflicts of interest potential with all U.S. DRIC consultant team members. Provided that information to MDOT.

B. Products

- Materials, notes and/or PowerPoint presentations for the meetings held in August.
- Large exhibits of bridge option renderings for the August 24th CSS workshop. These renderings simulated what the public would see if a cable-stayed or suspension bridge were built at Crossings X-10 and X-11.
- New base aerials for use in the communication process.
- Conflict of Interest forms from each consultant team member.

C. Task Evaluation

- It now appears that the CSS simulation/hands-on workshop will be conducted as a joint exercise on each side of the river with the U.S. meeting on November 2nd (at the IBEW Union Hall on Abbot Street) and on November 15th in Canada (at the Cleary Center).
- The withdrawal of Hamilton Anderson Associates from the study team has been recognized with the Local Advisory Council/Local Agency Group. The work that was to be done by HAA will be absorbed by other members of the team.
- The August 24th CSS workshop results and communications about it at the LAC meeting on August 30th indicate that there may have been a misunderstanding on how to participate in the preference evaluation process. Specifically, some at the workshop may have used the preference evaluation process to “vote” against a bridge crossing, particularly at Crossing X-11. Further involvement of others in this crossing evaluation process will be undertaken to mitigate against this result. This includes involvement of members of the LAC at its next meeting on September 27th.

D. Upcoming Plans

- Prepare for and participate in the following meetings:
 - ✓ September 12th with the federal and state agencies.
 - ✓ September 13th with the U.S. and Canadian Coast Guards.
 - ✓ September 19th with the Core Team.
 - ✓ September 25th the virtual tour with the State Historic Preservation Office.
 - ✓ September 27th with the Local Agency Group/Local Advisory Council.
 - ✓ September 28th with the Working Group.
 - ✓ October 5th with the Steering Committee.
- Prepare for and conduct an internal coordination meeting on September 14th in preparation for the November CSS workshops.
- Define the method of involvement of the client and the date to preview the November CSS workshop approach/materials.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT**A. Work Progress**

- Finalized and distributed to MDOT the memo on microsimulation model calibration.
- Responded to comments of MDOT and FHWA on the microsimulation calibration paper.
- Prepared an internal draft of an approach to developing speed data for the calibration of the microsimulation model.
- Coded “grades” into the microsimulation model based upon “as built” drawings and recent aerial photography conducted for the DRIC study.
- Continued coding peak hour traffic volumes into the microsimulation model.
- Completed building the nested logit model for allocation of travel among the various Detroit River area river crossings.

B. Products

- Paper on the calibration of the microsimulation model.
- Response to comments made by MDOT and FHWA on the microsimulation model calibration paper.
- Internal draft of a method to develop speed data for the microsimulation model in response to comments made by MDOT.
- The fully-built nested logit model.

C. Task Evaluation

- There is some confusion over how to go about collecting speed data for calibration of the microsimulation model. Earlier information indicated that these data were available from MDOT. They are not. Therefore, an alternative approach is to use the “floating car” method of detailed speed studies. The draft of the proposal has been prepared.
- The nested logit model has been completed and is now being tested and refined. This model is essential to address the time and cost variability associated with the new crossing and existing crossings in the Detroit River area.

D. Upcoming Plans

- Propose to MDOT a method to develop speed data for use in the microsimulation model calibration.
- Continue to test and document the testing of the nested logit model.
- Continue to code volumes into the simulation model.
- Complete the redistribution of volumes for the Gateway area for use in the microsimulation model.
- Begin the calibration process of the microsimulation model.
- Start developing the projected volumes to test the geometry of proposed interchange options associated with the various crossing alternatives.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT**A. Work Progress**

- Updated the Air Quality Protocol based on further discussions with FHWA.
- Prepared for a combined federal/state agencies coordination meeting on September 12th.

B. Products

- An updated Air Quality Protocol to focus on the qualitative analysis of PM_{2.5}.

C. Task Evaluation

- The process of finalizing the Air Quality Protocol is still ongoing. It needs to be concluded.
- A meeting to “scope” the approach to the transboundary impact analysis among Canadian and U.S. agencies is needed by the end of October.

D. Upcoming Plans

- Circulate and obtain review from EPA, MDEQ, and MDOT of the updated Air Quality Protocol.
- Prepare for and participate in a combined federal/state agencies coordination meeting on September 12th.
- Advance the definition of a transboundary effects meeting and assist in preparing for it.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Received further input from FHWA to update the Air Quality Analysis Protocol.
- Set September 25th for the virtual tour of historic border crossings with the State Historic Preservation Office.
- Conducted the underwater surveying for various threatened and endangered species. Conducted mussel surveys with divers.
- Cooperated with MDOT in videotaping the underwater survey operation.
- Identified mussel samples, analyzed the data, and began preparation of a report.
- Provided information to the Canadian environmental team on the underwater mussel survey.
- Continued the recordation process for the Delray East portion of the project's historic structures.
- Continued identifying properties that would need access for archaeology and deep site testing.
- Prepared a report for internal review that will be supplied to MDOT to gain approval of the archaeological testing.
- Continued preparations for gaining right-of-entry for various wetlands, coastal zones, and cultural resource testing.
- Conducted multiple social/cultural interviews with individuals and with groups. The latter included the principals of schools in the social/cultural study area in the cities of River Rouge and Detroit.
- Coordinated with the Working Group on the issues of First Nation's consultation.

- Continued work on the induced demand analysis, including: conversion of employment, population and household data for the U.S. and Canadian study area; distribution of the 2035 Canadian forecast from counties to TAZs; updating the U.S. 2035 baseline forecast by TAZs for zones outside the SEMCOG region to correspond to the latest Woods and Poole forecast; edited, updated and combined U.S. and Canadian shape files; conducted special searches for the City of Windsor, Ontario population and permit forecasts and obtained the data; initiated research on worldwide and North American auto industry production forecasts and auto ownership.

B. Products

- Updated Air Quality Protocol.
- Internal draft of a report to be submitted to MDOT in advance of archaeological field testing.
- Underwater survey of threatened and endangered species, including hard hat diving.
- Videotape prepared by MDOT of the underwater surveying.

C. Task Evaluation

- The process of finalizing the Air Quality Protocol is still ongoing. It needs to be concluded.
- The underwater survey uncovered shells from various mussels including the endangered “riffleshell.” The results are being documented for submission in a report to MDOT.
- In-field testing for archaeological purposes will await the approval of the deep bore drilling.

D. Upcoming Plans

- Cooperate with FHWA and MDOT to review and finalize the Air Quality Analysis Protocol.
- Conduct the September 12th meeting among federal and state agencies to review the progress of the project. This will include a tour of both the analysis areas in the U.S. and Canada.
- Continue to document the underwater research for threatened and endangered species.
- Present to MDOT a report that will facilitate archaeological testing.
- Meet on September 25th with the SHPO to conduct the virtual tour and to discuss the Area of Potential Effect and cultural resource analysis.
- Meet with the Office of the State Archaeologist to discuss the archaeological testing, if scheduled by MDOT.
- Continue field investigation of aboveground historic resources.
- Complete the QA/QC of the base year data for the induced demand analysis.
- Complete the 2035 data entry for the baseline forecasts to support the induced demand analysis.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- This task is complete.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Continued the forward modeling and documented it in a draft report to be distributed to MDOT, FHWA and the GeoAdvisory Group.
- Conducted shallow drilling and completed it for 45 locations.
- Submitted to the City of Detroit the draft evacuation plan.
- Offered additional training to MDOT and the City of Detroit that is required before access can be gained to the drilling sites.
- Continued to cooperate with property owners within 300 feet of the boreholes to gain permission to do the drilling. This included one-on-one visits and submission to the affected parties of the appropriate agreement.
- Submitted information to MDOT to allow an Amendment No. 2 to go forward to include forward modeling.
- Received notification from the Mystersky plant management that it does not want drilling to be done on its property.
- Set appointments for the week of September 11th with LaFarge and Yellow Trucking to gain permission of the drilling program.

B. Products

- Draft evacuation plan.
- Meetings with property owners to advance relocation and approval of the drilling.

C. Task Evaluation

- The indication that the Mystersky plant management does not want drilling on their property is a major concern, particularly at this late hour. This is consistent with the continued “discovery” of the drilling program by various city agencies, even though coordination has been ongoing for almost four months.

D. Upcoming Plans

- Meet with the City of Detroit to discuss:
 - ✓ The Mystersky resistance to drilling on its property;
 - ✓ The draft evacuation plan; and,
 - ✓ H2S training.
- Conduct additional H₂S safety, as appropriate.
- Continue to advance the right-of-entry issues for fieldwork.
- Meet with LaFarge and Yellow Trucking to gain approval of right-of-entry to do the drilling on their property.
- Advance discussions with property owners within 300 feet of each of the boreholes to gain permission to advance the drilling program.

TASK 9 (2340) – PRACTICAL ALTERNATIVES**A. Work Progress**

- Submitted ramps/horizontal and vertical geometry to MDOT for review. Met on August 23rd to discuss.
- Continued with the development of structure studies on Crossings X-10 and X-11.
- Began revising the horizontal and vertical geometry of the crossing as a result of information developed through the structure study.
- Met with the following utilities:
 - ✓ BP on August 2nd;
 - ✓ DWSD on August 2nd; and,
 - ✓ DPE (Michcon) on August 7th.
- Prepared a summary of utility information gathered to date for the August 22nd Core Team meeting. Subdivided that information by category of utility in terms of size, density and potential impacts.
- Submitted an outline to MDOT and established November 6th through the 10th for the value planning workshop.
- Received comments from the Ministry of Transport in Ontario on the Crossing cross-section memorandum.

B. Products

- PowerPoint presentation for the geometrics review with MDOT on August 23rd.
- Latest ramp geometry submitted to MDOT for comments and consensus on assumptions and design criteria.
- Summary of utility data collected to date.

C. Task Evaluation

- Agreement was reached with MDOT geometrics on assumptions and constraints for the development of the geometry for the interchanges along I-75. Hybrids of these options will be developed and presented along with some preliminary level-of-service analysis to assist in confirming geometrics.
- Reached agreement with MDOT on using a lower design speed at the end of the main structure at its interface with the plaza where a “stop condition” exists. This will potentially avoid suspending the alignment over the existing railroad line.
- A major issue affecting the geometrics is the continuation of access across I-75 for the neighborhoods north and south of it. This matter will be a continued focus of the analysis and presentation of additional information to MDOT as well as the community.
- Plaza design comments are still needed from CBP.
- The 50/50 distribution of the crossing work requires further collaboration with the Canadian consulting team in order to resolve the evaluation of alternatives.
- The MTO comments on the crossing cross-section were largely directed at the Canadian issues. Therefore, the Canadian consulting team will take the lead on resolving this matter with the U.S. consultants responding, as appropriate and requested.

D. Upcoming Plans

- Conduct internal coordination meeting in advance of the November value planning workshop.
- Continue refining the Practical Alternatives with 2035 peak hour volumes.
- Continue refining the Practical Alternatives with a view towards system and local linkages.
- Advance the geometry of the facilities as the Practical Alternatives become more refined.
- Focus on coordination with the Detroit Water and Sewer Department as a result of the earlier utility meetings.
- Continue the assessment of impacts on the utilities caused by the Practical Alternatives.
- Continue with the bridge-type studies.
- Complete the navigation study following a meeting with the U.S. and Canadian Coast Guards on September 13th.
- Meet with the Canadian team to finalize the evaluation methodology for the crossing alternatives.
- Provide information to the Canadian consulting team, as appropriate and requested, to respond to MTO's comments on the crossing cross-section memorandum.
- Meet with the PLD utility on September 6th.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Received word from FHWA's counsel in Chicago that it accepted the user-friendly style of the DEIS.

B. Products

- None as none required.

C. Task Evaluation

- The federal cooperating agencies have been asked to approve/disapprove the use of the "reader-friendly" format of the DRIC DEIS. A decision on this issue is likely at the next meeting of September 12th.

D. Upcoming Plans

- Participate in the September 12th meeting of state and federal agencies.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Reviewed an environmental report provided by the City of Detroit.
- Scheduled a meeting with Paul Towsley of Peerless Metals to conduct site reconnaissance and to obtain Phase I ESA report.

B. Products

- None as none required.

C. Task Evaluation

- Work is moving slower than expected as it is tied to the City of Detroit’s blanket approach to allowing rights-to-enter its properties.

D. Upcoming Plans

- Conduct site reconnaissance of the Peerless Metals property.
- Conduct site reconnaissance of additional properties that have approved right-of-entry agreements.
- Collect and review environmental site data for the technical reports.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – TASK 19 (3320) AERIAL TOPOGRAPHIC MAPPING/CONTROL SURVEY FOR AERIALS

A. Work Progress

- Delivered all mapping files (Microstation and GeoPAK).
- Delivered the digital Ortho Files and Layout Index via DVD to MDOT.
- Continued to communicate with MDOT on V8 and Caice CAD issues.

B. Products

- Microstation and GeoPAK files.
- Digital Ortho Files with Layout Index, reduced resolution mosaic, and MrSID mosaic files.

C. Task Evaluation

- Work in this task is 95 percent complete.

D. Upcoming Plans

- Continue dialogue with MDOT on the V8 and Caice CAD.
- Begin gathering data for MDOT required reports.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Received complete mapping information.

B. Products

- Mapping of the area and its structures.

C. Task Evaluation

- Mapping is complete.

D. Upcoming Plans

- None as this work is complete for all practical purposes.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work in this task has not been initiated.

B. Products

- None as none required.

C. Task Evaluation

- Work in this task will be initiated once the scope is determined following the structure type study. SID bridge options with piers in river found to be viable.

D. Upcoming Plans

- Await results of the structure studies to define scope of work for this task.

TASK 25 (3530) – FOUNDATION INVESTIGATION**A. Work Progress**

- Continued the forward modeling and documented it in a draft report to be distributed to MDOT, FHWA and the GeoAdvisory Group.
- Conducted shallow drilling and completed it for 40 locations.
- Submitted to the City of Detroit the draft evacuation plan.
- Offered additional training to MDOT and the City of Detroit that is required before access can be gained to the drilling sites.
- Continued to cooperate with property owners within 300 feet of the boreholes to gain permission to do the drilling. This included one-on-one visits and submission to the affected parties of the appropriate agreement.
- Submitted information to MDOT to allow an Amendment No. 2 to go forward to include forward modeling.
- Received notification from the Mystersky plant management that it does not want drilling to be done on its property.
- Set appointments for the week of September 11th with LaFarge and Yellow Trucking to gain permission of the drilling program.

B. Products

- Draft evacuation plan.
- Meetings with property owners to advance relocation and approval of the drilling.

C. Task Evaluation

- The indication that the Mystersky plant management does not want drilling on their property is a major concern, particularly at this late hour. This is consistent with the continued “discovery” of the drilling program by various city agencies, even though coordination has been ongoing for almost four months.

D. Upcoming Plans

- Meet with the City of Detroit to discuss:
 - ✓ The Mystersky resistance to drilling on its property;
 - ✓ The draft evacuation plan; and,
 - ✓ H2S training.
- Conduct additional H₂S safety, as appropriate.
- Continue to advance the right-of-entry issues for fieldwork.
- Meet with LaFarge and Yellow Trucking to gain approval of right-of-entry to do the drilling on their property.
- Advance discussions with property owners within 300 feet of each of the boreholes to gain permission to advance the drilling program.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Continued collaboration among disciplines and with the community to define mitigation measures.
- Conducted the August 24th CSS workshop on the crossing system.
- Met with MDOT on ramp geometrics. Defined the need to pay particular attention to cross-I-75 access.

B. Products

- CSS workshop material.
- Information derived from the August 23rd CSS meeting to address cross-I-75 access.

C. Task Evaluation

- Cross-I-75 access is an important issue in mitigating any social and community effects as it relates to the crossing system's impacts.
- Cooperation with the local community continues to be constructive and positive.

D. Upcoming Plans

- Continue collaboration among disciplines and with community to define mitigation measures.
- Conduct the August 24th CSS workshop on the crossing system.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

The schedule has been updated under Section G.

E. ITEMS NEEDED FROM MDOT

- Final decision on the DEIS writing style.
- Right-of-entry paperwork on properties needed to advance field work for the Practical Alternatives.
- Court action involving the PDS to gain access to the site for drilling.
- Additional as-built information as requested.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- At the following meetings:
 - ✓ August 2nd at the BP utility meeting.
 - ✓ August 2nd at the DWSP utility meeting.
 - ✓ August 7th at the DPE (Michcon) utility meeting.
 - ✓ August 9th at the Working Group meeting.
 - ✓ August 10th at the Steering Committee meeting.
 - ✓ August 17th at the CSS workshop preparation meeting.
 - ✓ August 22nd at the Core Team meeting.
 - ✓ August 23rd at the Geometrics Section meeting.
 - ✓ August 24th at the CSS workshop.
 - ✓ August 30th at the LAG/LAC meeting.
 - ✓ August 31st at the Working Group meeting.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Community Planning
First week of June 2006 ¹	Third week of August 2006	13 Context Sensitive Design 2
First week of August 2006 ¹	First week of November 2006	14 Context Sensitive Design 3
Public Meeting ¹	Second week of December 2006	16 Preliminary Evaluation Results—Practical Alternatives
Additional Task ¹	Second week of February 2007	17 Context Sensitive Design 4
Additional Task ¹	Second week of April 2007	18 Context Sensitive Design 5
Additional Task ¹	Second week of June 2007	19 Context Sensitive Design 6
Fourth week of July 2006 ¹	Last week of July 2007	20 Engineering Concepts Report
Second week of August 2006 ¹	First week of April 2007	21 Preliminary DEIS
Fourth week of November 2006 ¹	First week of July 2007	22 Public Hearing Script/Video
Second week of October 2006 ¹	Second week of August 2007	23 Draft DEIS
Second week of December 2006 ¹	Second week of August 2007	24 FHWA Approved DEIS
Second week of January 2007 ¹	Second week of September 2007	25 DEIS Public Hearing
Second week of April 2007 ¹	Second week of October 2007	26 Public Hearing Comment Summary
Fourth week of July 2007 ¹	First week of December 2007	27 Recommended Alternative
Additional Task ¹	First week of December 2007	28 Public Meeting
Additional Task ¹	First week of February 2008	29 Public Meeting
Second week of December 2007 ¹	Last week of April 2008	30 Recommended Alternative Presentation
Fourth week of August 2007 ¹	Last week of June 2008	31 Final EIS
Fourth week of September 2007 ¹	Last week of June 2008	32 Final Engineering Report
Fourth week of November 2007 ¹	Last week of June 2008	33 MOU
Fourth week of December 2007 ¹	Last week of June 2008	34 Access Justification Report
Fourth week of December 2007 ¹	Last week of July 2008	35 ROD

¹ Revised in September 2006.

ATTACHMENT

H. CONTACT RECORDS

- Daily contact records, daily e-mails and conversations by phone and in person with the MDOT Project Manager and other MDOT/FHWA personnel.
- Two status reports.
- Monthly progress report.
- Notes of meetings of:
 - ✓ August 2nd with BP utility company.
 - ✓ August 2nd with Detroit Water and Sewer Department.
 - ✓ August 7th with MichCan utility company.
 - ✓ August 9 with Working Group.
 - ✓ August 10th with Steering Committee.
 - ✓ August 15th with DaimlerChrysler.
 - ✓ August 18th with MDOT in preparation for the August 24th CSS workshop.
 - ✓ August 22nd with the Core Team.
 - ✓ August 23rd with MDOT for a geometrics review.
 - ✓ August 24th with the public at the CSS workshop.
 - ✓ August 30th with the joint Local Advisory Council/Local Agency Group.
 - ✓ August 31st with the Working Group.

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October 3, 2006

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

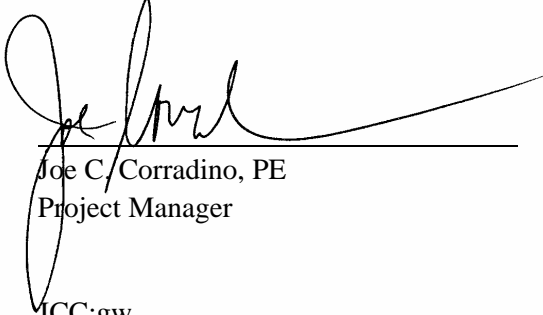
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Dear Mohammed:

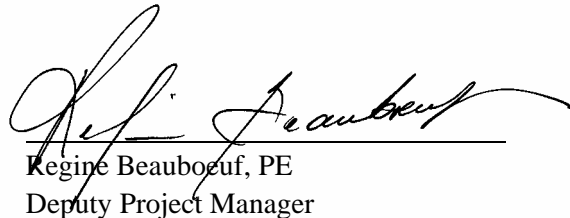
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 21 for September 2006. The invoice will be submitted under separate cover to Kim Farlin.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
I:\Projects\3600\WP\ProgRpt\PR21.doc
Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
SEPTEMBER 1 THROUGH SEPTEMBER 30, 2006**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

✓ **TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN**

A. Work Progress

- Prepared for and participated in the following meetings:
 - ✓ September 12th with the federal and state agencies coordination meeting.
 - ✓ September 12th with the Detroit Public Schools facilities planning staff.
 - ✓ September 13th with the U.S. Coast Guard.
 - ✓ September 19th with the Core Team.
 - ✓ September 25th the virtual tour with the State Historic Preservation Office.
 - ✓ September 27th with the Local Agency Group/Local Advisory Council.
 - ✓ September 28th with the Working Group.
- Prepared for the following meetings:
 - ✓ October 5th with the Steering Committee.
 - ✓ October 12th with MDOT to preview the materials for the November 2nd CSS workshop.
 - ✓ October 17th with the Core Team.
 - ✓ October 25th with the Local Advisory Council/Local Agency Group.
 - ✓ October 26th with the Working Group.
 - ✓ November 2nd with the communities in the Context Sensitive Solutions workshop.
- Prepared draft script and PowerPoint presentation to be incorporated into a video presentation to be used on public access TV as an invitation to the November 2nd/U.S. CSS workshop and November 15th/Canadian CSS workshop.
 - ✓ Began writing the program and building the software for the interactive computer sessions planned with the attendees of the CSS workshops.

- ✓ Began preparing workbooks for users who prefer to use the computer as a tool to help them express their aesthetic preferences.
- ✓ Began categorizing and developing palettes of color, lighting, texture, railing, and materials that serve to express the visions enunciated by the community. These palettes will be overlain on 3D pictures of the bridge, a local road, and the buffer area around the plaza during the computer interactive sessions to allow the public to see the overall effect of the application of their vision on “look and fit” of the crossing system.
- ✓ Began preparing banners to be placed in the room during the workshop.
- Mailer for invitation to the November 2nd/U.S. and November 15th/Canadian CSS workshops.
- Conducted additional social/cultural interviews in the process of gaining input from over 100 agencies/individuals in the social/cultural analysis area.

B. Products

- Materials, notes and/or PowerPoint presentations for the meetings held in September.
- Draft video script and slides for the CSS workshop invitation to be aired on public access television.
- Draft mailer to be sent to 10,000+ addresses as the invitation to the November CSS workshops.

C. Task Evaluation

- The project has slowed as a result of the complexities of starting the deep bore drilling program. That, in turn, has postponed a decision on a Preferred Alternative until the latter part of 2007. There is some risk to the public engagement process as a number of the most involved community representatives are becoming anxious for a decision to be made. Nonetheless, the number of participants at the recent LAC/LAG meeting was high and included many who were new to the process, as well as those representing City of Detroit agencies and elected officials.
- It has been decided that there is not enough time and there will be a “mixing of messages” to attempt to incorporate the second social/cultural public meeting into the latter part of the November CSS workshop. Therefore, a social/cultural public meeting is likely to be held in the latter part of January.

D. Upcoming Plans

- Prepare for and participate in the following meetings:
 - ✓ October 5th with the Steering Committee.
 - ✓ October 12th with MDOT to preview the materials for the November 2nd CSS workshop.
 - ✓ October 17th with the Core Team.
 - ✓ October 25th with the Local Advisory Council/Local Agency Group.
 - ✓ October 26th with the Working Group.
 - ✓ November 2nd with the communities in the Context Sensitive Solutions workshop.
- Distribute and begin airing on public access TV the video invitation to the November CSS workshops.
- Mail the invitations (10,000) to the November CSS workshops.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT**A. Work Progress**

- Proposed to MDOT a method to develop speed data for use in the microsimulation model calibration.
- Continued to test and document the testing of the nested logit model.
- Continued coding traffic information into the simulation model.
- Finished coding grades received from MDOT into the simulation model.
- Began developing the projected future traffic volumes to test the geometry of the proposed interchange options associated with various crossing alternatives.
- Balanced existing traffic data for use in simulation model.
- Tested free flow speed and travel time data in the simulation model.
- Corrected the Gateway Project 2004 traffic volumes. Began conversion to 2006 volumes.
- Developed AM/PM peak hour volumes to be used in a preliminary evaluation of the Practical Alternatives in anticipation of the Value Planning to be held the week of December 11, 2006.
- Began the capacity analysis using the HCM to determine level of service at the ramps, merge/weave lanes and other sensitive areas to allow for evaluation of the Practical Alternatives.

B. Products

- Paper on developing speed data for the microsimulation model.
- Updated Gateway Project 2004 traffic volumes.

C. Task Evaluation

- Input is still needed from MDOT on the method of collecting speed data to calibrate the microsimulation model.
- The nested logit model is performing in such a manner as the assignments to the new crossing of the Detroit River and the Ambassador Bridge are closer in balance than they were in using the minimum-path assignment model. This issue has caused concern on the part of the Canadian modeling group (IBI). Nonetheless, the U.S. team continues to work with the nested logit model so that its potential use as a complementary assignment procedure to the minimum-assignment approach can be incorporated into the upcoming work.

D. Upcoming Plans

- Develop, based on input from MDOT, the appropriate speed data for calibrating the microsimulation model.
- Finish re-distributing volumes for the Gateway area.
- Finish coding volumes into the microsimulation.
- Finish calibrating the existing conditions into the microsimulation model.
- Complete level-of-service analysis of Practical Alternatives for the Value Planning workshop.
- Submit volumes and level-of-service analysis to the staff at Parsons, Benesch, and Corradino for their evaluation of the effectiveness of the Practical Alternatives.
- Complete testing of the nested logit model and prepare a memo-type report so that MDOT, the Federal Highway Administration and the Canadian team can engage in a final deliberation on how to best use it.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Prepared for and participated in the combined federal/state agencies coordination meeting on September 12th.
- Advanced the definition of a transboundary impacts scoping meeting, which is now set for December 5th.
- Advanced the Air Quality Protocol.

B. Products

- Materials for the conduct of the September 12th federal/state agencies meeting.

C. Task Evaluation

- The Air Quality Protocol still needs to receive comments from EPA and MDEQ to finalize it.
- The combined federal/state agencies meeting on September 12th, rather than individual federal and state agencies meetings to review the DRIC Study process, was considered a success and will be the forum for going forward. The next meeting is scheduled for December 5th.

D. Upcoming Plans

- Prepare for the scoping meeting of U.S. and Canadian agencies on the transboundary impacts scheduled for December 5th.
- Prepare for the December 5th meeting of the combined federal and state agencies.
- Finalize the Air Quality Protocol.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Responded to questions by MDEQ with respect to the draft Air Quality Analysis Protocol.
- Prepared for, conducted and participated in the September 12th meeting among federal and state agencies to review the progress of the DRIC Study. This meeting also included a tour of the focused analysis area on the U.S. and Canadian sides of the border.
- Completed and analyzed mussel survey data including GPS sample plots, transects and video.
- Met with MNFI mussel experts. Transported mussel samples.
- Began the documentation of the Detroit River underwater research for threatened and endangered species.

- Presented to MDOT an approach for archaeological testing.
- Met on September 25th with the State Historic Preservation Officer and the State Archaeologist to conduct a virtual tour of other bridge environments and to discuss the Area of Potential Effects.
- Prepared a draft report and submitted it to MDOT on cultural resources.

B. Products

- Materials for the September 25th virtual tour of various bridge areas.
- Memorandum defining the approach to archaeological field testing.
- Draft report submitted to MDOT on the archaeological and cultural resources in the focused analysis area.
- Approved Area of Potential Effects.

C. Task Evaluation

- MDOT review and approval of the archaeological field testing procedures is needed.
- MDOT is concerned about underwater archaeological testing. Such work would not only be associated with the placement of piers in the river but also the anchoring of barges to construct the crossing. Such underwater analysis investigations were removed from the consultant's proposal and, therefore, are not part of the current work scope.

D. Upcoming Plans

- Cooperate with MDOT to receive approval of the proposed approach to the archaeological field testing.
- Review the shallow drilling results to determine the potential presence of any significant archaeological characteristics.
- Attempt to finalize the Air Quality Analysis Protocol and define specifically the CO, PM_{2.5} and PM₁₀ hot spots that will be analyzed as part of the application of that protocol.
- Move forward recordation of historical properties in the Delray-West portion of the project area.
- Finalize mussel survey report.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- This task is complete.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Provided the City of Detroit additional information as requested in an attempt to gain permission to drill on its property.
- Continued to advance the right-of-entry issues for undertaking the field work.
- Relocated Hole #13 and Hole #15.

B. Products

- Relocated bore holes #13 and #15.

C. Task Evaluation

- Norfolk Southern was quite resistive of allowing drilling on its property off of Morell Street. As a result, Hole #13 has been shifted about one block to the east onto property owned by John James of OJ Trucking. He is positive to locating the borehole on his property.
- The relocation of Hole #13 eliminates the need to relocate the occupants of 11 residences on Morrell Street.
- Cooperation with the City remains steady but slow in finalizing all requirements that they have established for allowing drilling to go forward on 11 parcels of property that the City owns.

D. Upcoming Plans

- Meet the requirements of the City of Detroit to gain permission to drill on 11 parcels.
- Continue to advance towards execution of the agreement by those structure owners within 300 feet of each of the boreholes.
- Meet with MDEQ to determine if hearings are necessary when repeated refusal is evidenced in terms of gaining permission to drill within the vicinity of an inhabitable structure.
- Conduct additional H₂S safety training, as appropriate.
- Prepare information for Amendment No. 3 to be forwarded to MDOT to initiate the drilling.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Met on September 13th with the U.S. Coast Guard in advance of finalizing the navigation studies.
- Met with Detroit Public Lighting Department on September 6th.
- Met with DWSD on September 20th.

- Prepared preliminary mitigation concepts to be used to cost impacts on utilities in the project area. These concepts are prepared for each major utility company with infrastructure present in the area.
- Conducted an internal coordination meeting to advance the Value Planning workshop.
- Determined with MDOT that the Value Planning workshop would be postponed until the week of December 11 from the week of November 6.
- Continued refining the Practical Alternatives with preliminary 2035 peak hour volumes.
- Continued refining the Practical Alternatives with a view towards system and local linkages.
- Refined Option No. 6 consistent with input from MDOT.
- Completed Draft Design Criteria and Type-Study Report outline.
- Progressed Type-Study Report.
- Scheduled a meeting with MDOT to review progress made to date on structure type study and the report outline.
- Completed the Draft Shallow Drilling Report of 45 holes.

B. Products

- Notes on utility company meetings.
- Utility layouts.
- Draft Shallow Drilling Report on 45 holes.

C. Task Evaluation

- Work is proceeding to ready the Practical Alternatives for Value Planning in December. The level of detail to be presented will be commensurate with MDOT's expectations.
- Plaza design is pending comments from U.S. CBP.
- Additional coordination has been attempted by the Coast Guard on the navigation study based on information supplied the Coast Guard at the September 14th meeting.

D. Upcoming Plans

- Continue refining the Practical Alternatives with the analysis of peak hour volumes for the year 2035.
- Continue refining the Practical Alternatives complete with system and local interchanges. Refinement will continue on ramps geometry, number of lanes, characteristics of weave/merge lanes and the need for Collector-Distributor along the access ramps.

- Determine and refine preliminary mitigation concepts and resulting costs for the relocation of utilities.
- Continue coordination activities with the utility owners in the area.
- Continue with the Bridge Type studies.
- Complete Navigation Study following meeting with Canadian Coast Guard, the Corps of Engineers and the U.S. Coast Guard.
- Complete first draft of the Type Study report.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Met with federal and state agencies on September 12th and agreed that the reader-friendly format would be applied to the DRIC EIS document.

B. Products

- None as none required.

C. Task Evaluation

- Advancing the DEIS has been focused upon as a method to control the DRIC schedule. But, the decision process of the policymakers, using the data that are part of the DEIS, will have a greater effect on the critical path process. The latter must be focused upon.

D. Upcoming Plans

- Move the analysis process forward with the view towards beginning to write the DEIS in late January/early February 2007 based on the August 2006 schedule.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Conducted field reconnaissance visits and interviews with owners or representatives of several parcels, including Peerless Metals, M&J Transport, Norman Adelsburg, Gary Wine, and L. Thomas Leasing Co.

B. Products

- None as none required.

C. Task Evaluation

- Continued to obtain hazmat information for parcels with completed right-of-entry agreements.

D. Upcoming Plans

- Conduct site reconnaissance of additional properties that have approved right-of-entry agreements.
- Collect and review environmental site data for the technical reports.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – TASK 19 (3320) AERIAL TOPOGRAPHIC MAPPING/CONTROL SURVEY FOR AERIALS

A. Work Progress

- Continued dialog with MDOT regarding V8 and Caice CAD issues.
- Prepared Caice files,

B. Products

- None this period.

C. Task Evaluation

- This task is 97 percent complete.

D. Upcoming Plans

- Continue dialog with MDOT regarding V8 and Caice CAD issues.
- Begin gathering data for MDOT-required reports.

TASK 19 (3320) – PHOTOGRAMMETRIC CONTROL SURVEY

A. Work Progress

- Prepared Photogrammetric Control Survey report.

B. Products

- None this period.

C. Task Evaluation

- This task is 95 percent complete.

D. Upcoming Plans

- Continue work on report.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Additional preparation of structure under-clearance survey.

B. Products

- None this period.

C. Task Evaluation

- This task is 10 percent complete.

D. Upcoming Plans

- Execute seven structure surveys for I-75 bridge under-clearances in priority areas.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work has not been initiated.

B. Products

- None as none required.

C. Task Evaluation

- Work in this task will be initiated once the scope is determined following the structure type study should bridge options with piers in the river be found to be viable.

D. Upcoming Plans

- Await results of the structure studies to determine the scope of work of the scour analysis task.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Provided the City of Detroit additional information as requested in an attempt to gain permission to drill on its property.
- Continued to advance the right-of-entry issues for undertaking the field work.
- Relocated Hole #13 and Hole #15.

B. Products

- Relocated bore holes #13 and #15.

C. Task Evaluation

- Norfolk Southern was quite resistive of allowing drilling on its property off of Morell Street. As a result, Hole #13 has been shifted about one block to the east onto property owned by John James of OJ Trucking. He is positive to locating the borehole on his property.
- The relocation of Hole #13 eliminates the need to relocate the occupants of 11 residences on Morrell Street.
- Cooperation with the City remains steady but slow in finalizing all requirements that they have established for allowing drilling to go forward on 11 parcels of property that the City owns.

D. Upcoming Plans

- Meet the requirements of the City of Detroit to gain permission to drill on 11 parcels.
- Continue to advance towards execution of the agreement by those structure owners within 300 feet of each of the boreholes.
- Meet with MDEQ to determine if hearings are necessary when repeated refusal is evidenced in terms of gaining permission to drill within the vicinity of an inhabitable structure.
- Conduct additional H₂S safety training, as appropriate.
- Prepare information for Amendment No. 3 to be forwarded to MDOT to initiate the drilling.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Continued collaboration among disciplines within the technical team and at MDOT, as well as with the community, to continue assessing the potential mitigation measures.
- Met with MDOT to help determine a process whereby the acceptability of mitigation can be established.

B. Products

- None as none required.

C. Task Evaluation

- The document being prepared by MDOT to determine the acceptability of mitigation measures to address negative effects of the direct, indirect and cumulative impacts is moving forward.

D. Upcoming Plans

- Continue collaboration among members of the technical team and with the community to define mitigation measures.
- Participate in the November 2nd/U.S. and November 15th/Canadian CSS workshops.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

The schedule was last updated in August 2006. Further adjustments await final determination of the start of the deep bore drilling program.

E. ITEMS NEEDED FROM MDOT

- Additional as-built information previously requested.
- Court action involving the PVS company to gain access to the site for drilling.
- Right-of-entry paperwork on properties needed to advance field work for the Practical Alternatives.
- Review and comment on the consultant proposal to conduct archaeological testing.
- Review of the method proposed by the consultant to collect travel data to calibrate the microsimulation model.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT (ATTACHED)

- At the following meetings:
 - ✓ September 12th with the federal and state agencies coordination meeting.
 - ✓ September 12th with the Detroit Public Schools facilities planning staff.
 - ✓ September 13th with the U.S. Coast Guard.
 - ✓ September 19th with the Core Team.
 - ✓ September 25th the virtual tour with the State Historic Preservation Office.
 - ✓ September 27th with the Local Agency Group/Local Advisory Council.
 - ✓ September 28th with the Working Group.
- Daily e-mail and telephone conversations with the Project Manager at the consultant and MDOT levels.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Community Planning
First week of August 2006 ¹	First week of November 2006	13 Context Sensitive Design 3
Additional Task ¹	Second week of February 2007	14 Context Sensitive Design 4
Additional Task ¹	Second week of April 2007	15 Context Sensitive Design 5
Additional Task ¹	Second week of June 2007	16 Context Sensitive Design 6
Fourth week of July 2006 ¹	Last week of July 2007	17 Engineering Concepts Report
Second week of August 2006 ¹	First week of April 2007	18 Preliminary DEIS
Fourth week of November 2006 ¹	First week of July 2007	19 Public Hearing Script/Video
Second week of October 2006 ¹	Mid-August 2007	20 Draft DEIS
Second week of December 2006 ¹	Mid-August 2007	21 FHWA Approved DEIS
Second week of January 2007 ¹	Mid-September 2007	22 DEIS Public Hearing
Second week of April 2007 ¹	Mid-October 2007	23 Public Hearing Comment Summary
Fourth week of July 2007 ¹	First week of December 2007	24 Recommended Alternative
Additional Task ¹	First week of December 2007	25 Public Meeting
Additional Task ¹	First week of February 2008	26 Public Meeting
Second week of December 2007 ¹	Last week of April 2008	27 Recommended Alternative Presentation
Fourth week of August 2007 ¹	Last week of June 2008	28 Final EIS
Fourth week of September 2007 ¹	Last week of June 2008	29 Final Engineering Report
Fourth week of November 2007 ¹	Last week of June 2008	30 MOU
Fourth week of December 2007 ¹	Last week of June 2008	31 Access Justification Report
Fourth week of December 2007 ¹	Last week of July 2008	32 ROD

¹ Revised in September 2006.

ATTACHMENT

H. CONTACT RECORDS

- Daily contact records, daily e-mails and conversations by phone and in person with the MDOT Project Manager and other MDOT/FHWA personnel.
- Three status reports.
- Monthly progress report.
- Notes of meetings of:
 - ✓ September 12th with the federal and state agencies coordination meeting.
 - ✓ September 12th with the Detroit Public Schools facilities planning staff.
 - ✓ September 13th with the U.S. Coast Guard.
 - ✓ September 19th with the Core Team.
 - ✓ September 25th the virtual tour with the State Historic Preservation Office.
 - ✓ September 27th with the Local Agency Group/Local Advisory Council.
 - ✓ September 28th with the Working Group.

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November 16, 2006

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

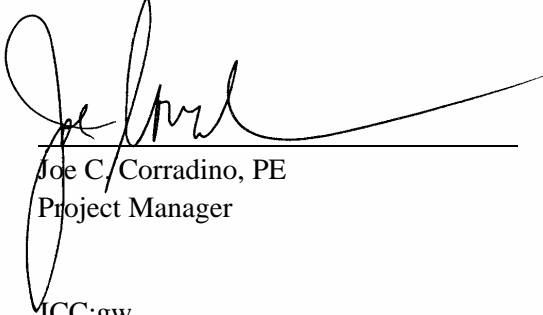
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 22 Progress Report

Dear Mohammed:

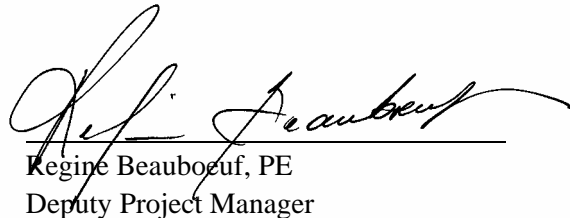
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 22 for October 2006. The invoice will be submitted under separate cover to Kim Farlin.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
OCTOBER 1 THROUGH OCTOBER 31, 2006**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

✓ **TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN**

A. Work Progress

- Prepared for and participated in the following meetings:
 - ✓ October 5th with the Steering Committee.
 - ✓ October 12th with MDOT in preparation for the Context Sensitive Solutions workshop of November 2nd.
 - ✓ October 16th with MTO/URS in preparation for the Context Sensitive Solutions workshop of November 15th.
 - ✓ October 17th with the Core Team.
 - ✓ October 17th with MDOT reviewing the bridge evaluation approach.
 - ✓ October 25th with the Local Advisory Council/Local Agency Group.
 - ✓ October 26th with the Working Group.
- Prepared for the following meetings:
 - ✓ November 1st with the Working Group.
 - ✓ November 2nd, Context Sensitive Solutions workshop in the U.S.
 - ✓ November 2nd with the Steering Committee.
 - ✓ November 15th, Context Sensitive Solutions workshop in Canada.
 - ✓ November 21st with the Core Team.
 - ✓ November 29th with the LAC/CCG.
 - ✓ December 5th with the state and federal agencies.
 - ✓ December 5th with the public on the preliminary impact assessment review.

- Finalized the script for the video presentation that was used on public access TV beginning on October 21st as an invitation to the November 2nd/U.S. CSS workshop and November 15th/Canadian CSS workshop.
- Finalized the computer software for the interactive computer sessions planned with the attendees of the CSS workshops.
- Finalized the workbooks for users who prefer to use the computer as a tool to help them to express their aesthetic preferences.
- Finalized the palette for categorizing and developing color lighting texture railing and materials that serve to express visions articulated by the participants at the CSS workshops.
- Finalized the banners to be placed in the room during the CSS workshops.
- Finalized the video and PowerPoint presentation for the CSS workshops.
- Mailed 10,000+ invitations to U.S. addresses to the November 2nd/U.S. and November 15th/Canadian CSS workshops.
- Continued the social/cultural interviews in the process of gaining input from over 100 agencies/individuals in the social/cultural analysis area.
- Staffed the field office on Monday, Wednesday and Friday afternoons of every week.

B. Products

- Mailer, video and all support materials for the CSS workshops.
- Notes of meetings listed above.
- Simulation program for public interaction during the CSS workshop.
- Banner and other materials to be used at the CSS workshop.
- Video for presentation at the CSS workshop.
- PowerPoint presentation to the LAC and to attendees at the CSS workshop.

C. Task Evaluation

- The transboundary impacts collaboration between the U.S. and Canadian agencies has been postponed from December 2006, to March 2007, because the Canadian agencies do not feel they are prepared to engage at this time. Instead, the U.S. consultant will advise the Canadian agencies on December 6th of its work that would lead to the definition of transboundary impacts while the Canadian consultant will do the same on December 5th at a meeting of the U.S. federal and state agencies.

D. Upcoming Plans

- Prepare for and participate in the following meetings:
 - ✓ November 1st with the Working Group.
 - ✓ November 2nd, Context Sensitive Solutions workshop.
 - ✓ November 2nd with the Steering Committee.
 - ✓ November 15th, Context Sensitive Solutions workshop in Canada.
 - ✓ November 21st with the Core Team.
 - ✓ November 29th with the LAC/CCG.
 - ✓ December 5th with the state and federal agencies.
 - ✓ December 5th with the public on the impact assessment review.
- Distribute a mailer and begin airing on public access TV the video invitation to the December 5th public meeting in preliminary impact evaluation.
- Mail invitations (10,000) to the December 5th public meeting.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Conducted free-flow speed and travel time studies in the corridor for calibration purposes.
- Continued to convert Gateway project 2004 traffic volumes into 2006 volumes.
- Continued to develop peak hour volumes for AM and PM to be used in a preliminary evaluation of the Practical Alternatives in anticipation of the Value Planning to be held the month of December 2006.
- Completed the capacity analysis using the HCM to determine level of service at the ramps, merge/weave lanes and other sensitive areas to allow for evaluation of the Practical Alternatives.
- Confirmed the layout of the improvements being made at the Gateway for proper coding into the traffic model.
- Completed the level-of-service analysis of Practical Alternatives for the value planning workshop of the week of December 11th through the 15th.
- Completed testing of the nested logit model and prepared a memo-type report to MDOT, FHWA and the Canadian modeling team so that deliberations on the use of the results can begin.

B. Products

- Several papers on the results of the nested logit model.
- Microsimulation of existing traffic.

C. Task Evaluation

- Calibration of the model and refinement of the model has been completed, except for the Gateway part that will be completed in the next month. QA/QC is continuing.
- The nested logit model performs in a manner such that assignments to the new crossing of the Detroit River and the Ambassador Bridge are closer in balance than they are in using the minimum-path assignment model. This issue when reviewed by Supin Yoder of FHWA received a response that the model's calibration and results are both reasonable. The model will now be reviewed by Ally Mekki of the Ministry of Transport Ontario before further steps are taken in the use of the results.
- The minimum-path assignment technique will still be used for the analysis of impacts and design of roadway facilities as it provides the largest numbers upon which impacts and design should be based to adequately account for the future facilities. On the other hand, the nested logit model will provide a range of forecasts that could be used in revenue analysis. Finally, unlike the minimum-path assignment, the nested logit model accounts for tolls.

D. Upcoming Plans

- Finish re-distributing volumes for the Gateway area.
- Finish coding volumes into the simulation model.
- Finish calibrating the existing conditions model.
- Present the microsimulation calibration to MDOT at the Core Team meeting of November 21st.
- Begin application of microsimulation approach to the future conditions for design-based analyses.
- Continued to review of and, if possible, complete the nested logit model.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT**A. Work Progress**

- Prepared for the December 5th meeting of the combined federal and state agencies.
- Finalized the Air Quality Protocol.

B. Products

- Draft agenda for the December 5th meeting of federal and state agencies.

C. Task Evaluation

- The transboundary impacts collaboration between the U.S. and Canadian agencies has been postponed from December 2006, to March 2007, because the Canadian agencies do not feel they are prepared to engage at this time. Instead, the U.S. consultant will advise the Canadian agencies on December 6th of its work that would lead to the definition of transboundary impacts while the Canadian consultant will do the same on December 5th at a meeting of the U.S. federal and state agencies.

D. Upcoming Plans

- Prepare for and conduct the December 5th meeting of the federal and state agencies.
- Begin application of the Air Quality Protocol.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- For the induced demand analysis, completed the following.
 - ✓ QA/QC of base year data.
 - ✓ Baseline (2035) forecast by traffic analysis zone.
 - ✓ Collection of auto production data.
 - ✓ Collection of trade and goods movement data in North America to complement auto production data.
- Drafted a response to a letter from the State Historic Preservation Officer regarding the review of the draft report on the land use history and archaeological testing.
- Completed the photography of the recorded historic sites in West Delray.
- Began examining the results of shallow borings for their impact on the archaeological testing.

- Conducted research on potential impacts of the Practical Alternatives to migratory birds and urban wildlife.
- Assisted in the preliminary definition of impacts for the December 5th public meeting.
- Drafted the report on the mussel survey conducted in August.
- Finalized the Air Quality Analysis Protocol.

B. Products

- Response to the State Historic Preservation Officer's comments on archaeological testing and the draft report on the land use history and archaeological testing procedures.
- Photographs of aboveground historic sites in West Delray.
- Preliminary assessment of impacts for the December 5th meeting.

C. Task Evaluation

- The review of the historic/archaeological draft report has been positive. The comments on by the SHPO on the archaeological testing have been received and responded to. Work will begin once the deep drilling process is started.
- In the past, the issue arose about underwater archaeological testing which is not in the consultants' work plan. The need for analysis, including those dealing with anchoring barges to construct the crossing, should be resolved at some point if the overall DEIS is to remain on schedule.

D. Upcoming Plans

- Continue to cooperate with MDOT to receive final approval of the archaeological field testing.
- Conclude the review of the shallow drilling results to determine the potential presence of any significant archaeological characteristics.
- Define the hot spots for the CO, PM_{2.5} and PM₁₀ analyses of air quality.
- Finalize the mussel survey report and video.
- Finalize the preliminary assessment of impacts for the December 5th meeting.
- Confirm the Essex County forecast and complete a memorandum on auto production, trade, and goods movement and its influences on the Detroit River International Crossing.
- Begin the build/no build analysis of the induced demand analysis.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- This task is complete.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Continued right-of-entry coordination.
- Continued the MDEQ drilling permit discussion.
- Completed a draft geophysical forward modeling report.
- Continued with the health and safety preparations for the deep drilling.
- Attended a meeting in the field to provide information to the property owners to gain permission for deep drilling.
- Responded to comments from the City of Detroit dealing with the deep drilling matters on the H₂S contingency plan.
- Continued to provide information to MDOT so that Amendment 3 can go forward allowing deep drilling.
- Met with MDEQ to determine the requirements for public hearings if property owners within 300 feet do not provide permission to drill.

B. Products

- Responded to City of Detroit's letter on deep drilling issues.
- Materials supplied to private property owners, like the City of Detroit, to allow deep drilling.
- Support materials for Amendment 3 to permit the deep drilling program to go forward.
- Various correspondence regarding MDEQ permits.

C. Task Evaluation

- Closure is being reached with both public and private property owners to advance the deep drilling program. The City will grant permission in November and a number of private property owners will likewise do so.
- MDEQ will require a public hearing to address the fact that two property owners for Hole 13 refused to give written permission to drill. These are owners of property within 300 feet of the boring site, not on the boring site.
- One property owner, PVS Chemical, refuses to respond to right-of-entry requests to allow drilling on its property.
- The City has indicated that it resists approving the drilling on the Mistersky power plant site. An alternative on private property owned by John James to the east of the Mistersky plant is being explored.
- The deep drilling program now controls the critical path. Once permission is granted on the U.S. side to begin the drilling, and the amendment is acted upon by MDOT to fund the work, an updated schedule will be prepared.

D. Upcoming Plans

- Continue coordination with the City of Detroit, private property owners and MDEQ to advance the permit/permission process associated with the deep-bore drilling.
- Continue to advance to a public hearing dealing with two property owners within 300 feet of boring Hole 13 to allow drilling on that site to go forward even without their permission.
- Continue to cooperate with MDOT to advance in the courts gaining right-of-entry to the PVS Chemical property to drill.
- Complete an additional draft report on the rock mechanics forward model.
- Produce for review by the Geotechnical Advisory Group a draft geophysical forward modeling report.
- Conduct additional health and safety training, particularly for first responders of the City of Detroit.
- Continue to provide input to Amendment 3, as required by MDOT.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Refined the Practical Alternatives to contain impacts.
- Incorporated the local access from the plaza and boulevard entrance to the neighborhood on the Practical Alternatives.
- Completed Draft Design Criteria and Draft Engineering Report outline.
- Progressed Type Study Report.
- Participated in meetings internally with the environmental and engineering teams.
- Prepared for and participated in the Core Group Meeting in Lansing on October 17, 2006.
- Continued to hold and participate in Utilities Coordination Meetings. Participated in a coordination meeting with MDOT on October 9, 2006.
- Prepared preliminary mitigation concepts to be used to cost impacts on utilities in the project area. These concepts are prepared for each major utility company with infrastructure present in the area.
- Continued to prepare information for MDOT Utilities staff to assess the impacts on utilities in the project area.
- Continued with revisions to Plaza 4 per Hugh McNichols' comments.
- Met with CBP on October 20, 2006, in Detroit to greet and brief the new Operations Manager.
- Held a meeting with MDOT to review progress made to date on structure type study and the report outline. The meeting was held on October 17, 2006.
- Continued the utility coordination activities with MDOT meetings on October 16th and 31st.
- Continued the bridge type studies.
- Contacted the Corps of Engineers to determine if piers will be allowed in the Detroit River or the navigation channel would be moved.
- Met with MDOT on October 17th to review the evaluation process incorporated into the bridge studies.
- Prepared for the value planning workshop to be conducted from December 11th through the 15th.
- Drafted a set of “guiding principles” that could be used by the Steering Committee in its determination of a Preferred Alternative. Collaborated with the Canadian consultant on this matter.

B. Products

- Notes from the utility coordination meetings.
- Updated utility layouts.

- Refinements to the interchanges connecting the plaza to I-75.

C. Task Evaluation

- The United States Coast Guard has contacted the Great Lakes Shippers Association for input on the issue of piers in the water or shifting the navigation channel. The shippers are quite busy in a period before weather conditions prevent shipping and, therefore, substantive input is not yet available. This issue will begin to affect the schedule of producing a draft bridge type study in December.
- Work is proceeding to ready the Practical Alternatives for Value Planning in December. the level of details to be presented will be commensurate with MDOT's expectations.
- Plaza design is pending comments from U.S. CBP.

D. Upcoming Plans

- Complete refining the Practical Alternatives for the purpose of the next level of analysis of impacts.
- Present the refined alternatives and their preliminary impacts to the LAC/LAG on November 29th and to the public on December 5th.
- Prepare for the value planning workshops to refine the Practical Alternatives.
- Determine the extent to which underwater archaeological work must be done to accommodate the anchoring of barges during construction.
- Continue to cooperate with the Coast Guard so that it can respond to the issue of piers in the water or adjusting the navigation channel.
- Cooperate with the Canadian consultants so that the bridge study can be advanced.
- Continue the utility analyses.
- Revise and update utility drawings.
- Continue to identify potential utility conflicts and meet with individual utility companies regarding their relocation.
- Continue holding internal meetings for inter-disciplinary coordination.
- Hold internal meetings with Benesch and Corradino in preparation of the Value Planning session.
- Will continue with the refinement of the Practical Alternatives with the analysis of peak hour volumes for the year 2035.
- Continue to refine the Practical Alternatives complete with system and local interchanges. Refinement will continue on ramps geometry, number of lanes, characteristics of weave/merge lanes and the need for Collector-Distributor along the access ramps.

- Hold coordination meetings with NCI and MDOT to determine and refine preliminary mitigation concepts and resulting costs for the relocation of utilities.
- Continue with the Utility Coordination activities with the utility owners in the area, as prescribed by MDOT.
- Participate in upcoming LAG, LAC, Core Group and Working Group meetings.
- Continue with the Bridge Type Studies.
- Complete Navigation Study following meeting with Canadian Coast Guard, the Corps of Engineers and the U.S. Coast Guard.
- Complete first draft of the type structure study report.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Meet with the federal and state agencies on December 5th to further inform them of the refined Practical Alternatives and their potential impacts.

B. Products

- Draft agenda for the December 5th federal/state agencies meeting.

C. Task Evaluation

- The transboundary impacts collaboration between the U.S. and Canadian agencies has been postponed from December 2006, to March 2007, because the Canadian agencies do not feel that they are prepared to engage at this time. Instead, the U.S. consultant will advise the Canadian agencies on December 6th of its work that would lead to the definition of transboundary impacts while the Canadian consultant will do the same on December 5th at a meeting of the U.S. federal and state agencies.

D. Upcoming Plans

- Meet with the federal and state agencies on December 5th to gain further input to the evaluation of impacts process.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Conducted follow-up telephone interviews with property owners following the October field reconnaissance visits.
- Reviewed site information regarding potential contamination for two deep-hole drilling sites.

B. Products

- Telephone interview with two property owners.

C. Task Evaluation

- Work is progressing slowly.

D. Upcoming Plans

- Conduct property owner interviews and site reconnaissance for additional properties that have approved right-of-entry agreements.
- Collect and review environmental site data for the technical reports.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work has not been initiated in this task.

TASK 18 (3310) – TASK 19 (3320) AERIAL TOPOGRAPHIC MAPPING/CONTROL SURVEY FOR AERIALS

A. Work Progress

- Continued to prepare CAiCE files and spreadsheet accuracy reports.

B. Products

- None as none required.

C. Task Evaluation

- This task remains at 97 percent complete.

D. Upcoming Plans

- Continue gathering data for MDOT-required reports.

TASK 19 (3320) – PHOTOGAMMETRIC CONTROL SURVEY

A. Work Progress

- Continued preparation of the Photogrammetric Control Survey Report.

B. Products

- None as none required.

C. Task Evaluation

- This task remains at 95 percent complete.

D. Upcoming Plans

- Continue work on report.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Additional preparation of structure under-clearance survey.

B. Products

- None as none required.

C. Task Evaluation

- This task remains at 10 percent complete.

D. Upcoming Plans

- Execute seven structure surveys for I-75 bridge under-clearances in priority areas.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work has not been initiated.

B. Products

- None as none required.

C. Task Evaluation

- Work in this task will be initiated once the scope is determined following the structure type study should bridge options with piers in the river be found to be viable.

D. Upcoming Plans

- Await results of the structure studies to determine the scope of work of the scour analysis task.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Continued right-of-entry coordination.
- Continued the MDEQ drilling permit discussion.
- Completed a draft geophysical forward modeling report.
- Continued with the health and safety preparations for the deep drilling.
- Attended a meeting in the field to provide information to the property owners to gain permission for deep drilling.
- Responded to comments from the City of Detroit dealing with the deep drilling matters on the H₂S contingency plan.
- Continued to provide information to MDOT so that Amendment 3 can go forward allowing deep drilling.
- Met with MDEQ to determine the requirements for public hearings if property owners within 300 feet do not provide permission to drill.

B. Products

- Responded to City of Detroit's letter on deep drilling issues.
- Materials supplied to private property owners, like the City of Detroit, to allow deep drilling.
- Support materials for Amendment 3 to permit the deep drilling program to go forward.
- Various correspondence regarding MDEQ permits.

C. Task Evaluation

- Closure is being reached with both public and private property owners to advance the deep drilling program. The City will grant permission in November and a number of private property owners will likewise do so.
- MDEQ will require a public hearing to address the fact that two property owners for Hole 13 refused to give written permission to drill. These are owners of property within 300 feet of the boring site, not on the boring site.
- One property owner, PVS Chemical, refuses to respond to right-of-entry requests to allow drilling on its property.
- The City has indicated that it resists approving the drilling on the Mistersky power plant site. An alternative on private property owned by John James to the east of the Mistersky plant is being explored.
- The deep drilling program now controls the critical path. Once permission is granted on the U.S. side to begin the drilling, and the amendment is acted upon by MDOT to fund the work, an updated schedule will be prepared.

D. Upcoming Plans

- Continue coordination with the City of Detroit, private property owners and MDEQ to advance the permit/permission process associated with the deep-bore drilling.
- Continue to advance to a public hearing dealing with two property owners within 300 feet of boring Hole 13 to allow drilling on that site to go forward even without their permission.
- Continue to cooperate with MDOT to advance in the courts gaining right-of-entry to the PVS Chemical property to drill.
- Complete an additional draft report on the rock mechanics forward model.
- Produce for review by the Geotechnical Advisory Group a draft geophysical forward modeling report.
- Conduct additional health and safety training, particularly for first responders of the City of Detroit.

- Continue to provide input to Amendment 3, as required by MDOT.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Continued collaboration among disciplines within the technical team and at MDOT, as well as with the community, to assess the potential mitigation measures.
- Prepared for the November 2nd/U.S. and November 15th/Canadian CSS workshops to gain community input that will deal with various issues to influence the design of the bridge, plaza and interchange.
- Continued to refine the Practical Alternatives and determine the potential impacts for discussion with the LAC/LAG on November 29th and the public on December 5th.

B. Products

- Preparations for the CSS workshops.

C. Task Evaluation

- The document being prepared by MDOT to determine the acceptability of mitigation measures to address negative effects of the direct, indirect and cumulative impacts is moving forward.
- A critical path item eventually will be the decision process by the Steering Committee in selecting a Preferred Alternative. Progress has been made on this by discussing a set of guiding principles. Further work must be conducted to advance this matter so that it is ready for application when the technical evaluation is complete.

D. Upcoming Plans

- Continue collaboration among members of the technical team and with the community to define mitigation measures.
- Participate in the November 2nd/U.S. and November 15th/Canadian CSS workshops.
- Participate in the November 29th LAC/CCG meeting on preliminary assessment of impacts.
- Prepare for the December 5th public meeting on the preliminary assessment of impacts.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

The schedule was last updated in August 2006. Further adjustments will be made once the deep drilling program is approved.

E. ITEMS NEEDED FROM MDOT

- Additional as-built information previously requested.
- Court action involving the PVS company to gain access to the property for drilling.
- Right-of-entry paperwork on properties needed to advance field work for the Practical Alternatives.
- MDEQ hearing to gain a permit for Hole 13 in light of the fact that two property owners within 300 feet of the borehole refuse to grant written permission.
- Final comment on the approval of the archaeological testing approach.
- Final determination on the need to do underwater and archaeological testing.
- Review of the nested logit model documentation and next steps going forward.
- Review of preliminary guiding principles to be used by the Steering Committee in selecting a Preferred Alternative.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT

- At the following meetings:
 - ✓ October 5th with the Steering Committee.
 - ✓ October 12th with MDOT in preparation for the Context Sensitive Solutions workshop of November 2nd.
 - ✓ October 16th with MTO/URS in preparation for the Context Sensitive Solutions workshop of November 15th.
 - ✓ October 17th with the Core Team.
 - ✓ October 17th with MDOT reviewing the bridge evaluation approach.
 - ✓ October 25th with the Local Advisory Council/Local Agency Group.
 - ✓ October 26th with the Working Group.
- Daily e-mail and telephone conversations with the MDOT Project Manager.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Community Planning
First week of August 2006 ¹	First week of November 2006	13 Context Sensitive Design 3
Additional Task ¹	Second week of February 2007	14 Context Sensitive Design 4
Additional Task ¹	Second week of April 2007	15 Context Sensitive Design 5
Additional Task ¹	Second week of June 2007	16 Context Sensitive Design 6
Fourth week of July 2006 ¹	Last week of July 2007	17 Engineering Concepts Report
Second week of August 2006 ¹	First week of April 2007	18 Preliminary DEIS
Fourth week of November 2006 ¹	First week of July 2007	19 Public Hearing Script/Video
Second week of October 2006 ¹	Mid-August 2007	20 Draft DEIS
Second week of December 2006 ¹	Mid-August 2007	21 FHWA Approved DEIS
Second week of January 2007 ¹	Mid-September 2007	22 DEIS Public Hearing
Second week of April 2007 ¹	Mid-October 2007	23 Public Hearing Comment Summary
Fourth week of July 2007 ¹	First week of December 2007	24 Recommended Alternative
Additional Task ¹	First week of December 2007	25 Public Meeting
Additional Task ¹	First week of February 2008	26 Public Meeting
Second week of December 2007 ¹	Last week of April 2008	27 Recommended Alternative Presentation
Fourth week of August 2007 ¹	Last week of June 2008	28 Final EIS
Fourth week of September 2007 ¹	Last week of June 2008	29 Final Engineering Report
Fourth week of November 2007 ¹	Last week of June 2008	30 MOU
Fourth week of December 2007 ¹	Last week of June 2008	31 Access Justification Report
Fourth week of December 2007 ¹	Last week of July 2008	32 ROD

¹ Revised in September 2006.

ATTACHMENT

H. CONTACT RECORDS

- Daily contact records, daily e-mails and conversations by phone and in person with the MDOT Project Manager and other MDOT/FHWA personnel.
- Two status reports.
- Monthly progress report.
- Notes of meetings of:
 - ✓ October 5th with the Steering Committee.
 - ✓ October 12th with MDOT in preparation for the Context Sensitive Solutions workshop of November 2nd.
 - ✓ October 17th with the Core Team.
 - ✓ October 17th with MDOT reviewing the bridge evaluation approach.
 - ✓ October 25th with the Local Advisory Council/Local Agency Group.
 - ✓ October 26th with the Working Group.

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December 18, 2006

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

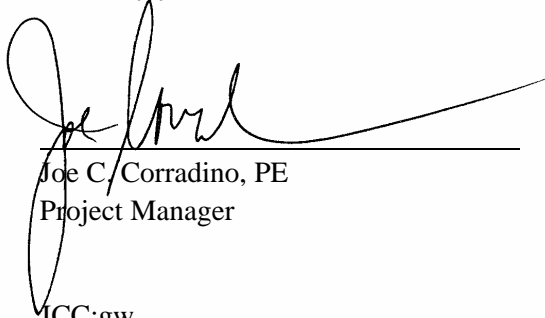
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 23 Progress Report

Dear Mohammed:

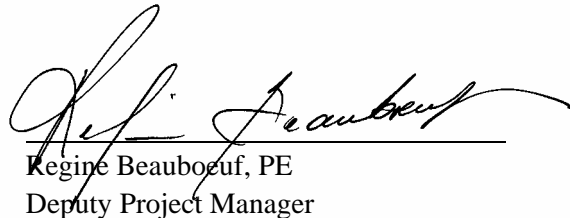
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 23 for November 2006. The invoice will be submitted under separate cover to Kim Farlin.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
NOVEMBER 1 THROUGH NOVEMBER 30, 2006**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

✓ **TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN**

A. Work Progress

- Prepared for and participated in the following meetings:
 - ✓ November 1st with the Working Group.
 - ✓ November 2nd with the Context Sensitive Solutions workshop in the U.S.
 - ✓ November 2nd with the Steering Committee.
 - ✓ November 13th with U.S. Customs in Washington, D.C.
 - ✓ November 15th Context Sensitive Solutions workshop in Canada.
 - ✓ November 21st with the Core Team.
 - ✓ November 29th with the LAC/CCG.
- Prepared for the following upcoming meetings:
 - ✓ December 5th with the federal and state agencies.
 - ✓ December 5th with the public on the preliminary impact assessment review.
 - ✓ December 6th with the Canadian agencies.
 - ✓ December 7th with the Steering Committee.
 - ✓ December 8th with the Private Sector Advisory Group.
 - ✓ December 19th with the Core Team.
- Distributed a mailer and began airing on public access TV the video invitation to the December 5th public meeting on preliminary impact evaluation.
- Mailed invitations (10,000+) to the December 5th public meeting.
- Placed newspaper ads in four publications with circulation of at least 250,000 in advertising the December 5th public meeting.
- Prepared an updated version of the video for the CSS Canadian workshop on November 15th.

- Began preparing a summary report of the results of the CSS workshops.
- Presented a summary of the results of the CSS workshop through a PowerPoint presentation to the November 29th LAC/LAG meeting.

B. Products

- Notes of meetings listed above for November.
- Final materials based upon LAC/CCG input to the December 5th public meeting.
- Updated PowerPoint presentation for the December 5th public meeting based upon input from the LAC/CCG on November 29th.
- Postcards depicting aesthetic simulation of the crossing, interchange, and local road/buffer zone based upon workshop participation.
- Internal draft of a summary report on the CSS workshops to be completed in December.

C. Task Evaluation

- Input at the LAC/CCG meeting was important to updating the presentation for the December 5th public meeting. The December LAC meeting has been cancelled as a result of the holidays.
- The results of the CSS workshops will become significant input in the design work that is proceeding on the various border crossing components.

D. Upcoming Plans

- Prepare for and participate in the following meetings in December:
 - ✓ December 5th with the federal and state agencies.
 - ✓ December 5th with the public on the preliminary impact assessment review.
 - ✓ December 6th with the Canadian agencies.
 - ✓ December 7th with the Steering Committee.
 - ✓ December 8th with the Private Sector Advisory Group.
 - ✓ December 19th with the Core Team.
- Prepare for two public meetings in Delray surrounding the drilling program.
- Distribute door-to-door flyers in the Delray area announcing the drilling program.
- Prepare for the next LAC meeting on January 30th.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Completed redistributing the volumes for the Gateway area.
- Completed coding the volumes for microsimulation model.
- Continued calibrating the existing conditions of the microsimulation model.
- Presented the microsimulation calibration work to date at the Core Team meeting of November 21st.
- Began application of microsimulation approach to future conditions for the design-based analysis.
- Continued to review the nested logit model.

B. Products

- PowerPoint presentation of preliminary microsimulation results.

C. Task Evaluation

- The nested logit model is being reviewed by the Ministry of Transport Ontario (Ally Mekki). The suggestion was that a scholastic approach be applied to assigning travel times. Apparently, that did not create any significant differences in the minimum task assignment process to address the changes in traffic that are evident by using only minimum-time path assignments.
- In refining the microsimulation model it has been noted that the coding of the Ambassador Bridge Gateway Project was a generation removed. This will require the redo of a number of regional model applications to accurately simulate the proper Gateway conditions.

D. Upcoming Plans

- Continue the microsimulation process.
- Meet with the DRIC Modeling Task Force to discuss the nested logit model and its continued application.
- Finish re-distributing volumes for the Gateway area.
- Finish coding volumes into the simulation model.
- Finish calibrating the existing conditions model and submit the work done on the microsimulation to MDOT for review of the existing simulation model.
- Recode the Gateway Project and, as appropriate, rerun the macro travel demand model.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- Prepared for and participated in the December 5th meeting of the combined U.S. federal and state agencies.
- Participated in the December 6th meeting of the Canadian Agencies Advisory Group to begin the trans-boundary impacts analysis phase.

B. Products

- Materials for the December 5th meeting of the U.S. federal and state agencies.
- Materials for the December 6th meeting with Canadian federal agencies.

C. Task Evaluation

- The trans-boundary impact process is dependent on scoping, with Canada's likely to be conducted in March. It is essential to defining the evaluation.

D. Upcoming Plans

- Begin application of the DRIC Air Quality Protocol once the DIFT analysis has been successfully reviewed by FHWA. This review is expected to be accomplished by the end of December 2006.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Assembled auto production and trade data and began preparing the draft market/auto production report.
- Completed the first run for the induced demand analysis. Began QA/QC check.

- Completed the first estimate of impacts and changes in 2030 population and job distributions as a result of the induced demand analysis.
- Continued the recordation process for the Delray/East portion of the Area of Continued Analysis, including revisiting the previously-recorded historic sites.
- Continued identifying properties that will need access for archaeological and deep-site testing.
- Began review of the shallow borings for any indication of cultural issues.
- Received from the State Historic Preservation Officer the review of the draft Cultural Resources Report including the protocol for the archaeological deep tests.
- Developed a cultural timeline to be included in the Technical Report being prepared on cultural issues.
- Prepared and delivered to MDOT the report on the survey of mussels in the Detroit River.
- Delivered to MDOT copies of the various underwater survey videos.
- Continued the research on potential impacts to migratory birds and lighting requirements on the bridge structure.
- Finalized the preliminary assessment of impacts for the December 5th meeting with federal and state agencies and with the public.

B. Products

- Preliminary refined assessment of impacts for the December 5th meeting with the U.S. federal and state agencies and the public.
- A “cultural timeline.”
- Continued recordation of the Delray/East portion of the Area of Continued Analysis.
- Preliminary estimate of shifts in population and employment due to induced demand/ accessibility changes.
- Photography of majority of buildings in Tier 1 and Tier 2 in the Area of Potential Effects.

C. Task Evaluation

- Some residents or occupants are objecting to pictures being taken of their structures. This issue will be addressed, but it is likely that such photographs will not be taken.
- The cultural analysis is now focused on whether two potential historic districts may exist in Tier 3 in the Area of Potential Effects.
- The archaeology and deep testing is likely to begin in January once the deep drilling program for geotechnical purposes is underway.

- The qualitative analysis of PM_{2.5} and PM₁₀ for the Detroit Intermodal Freight Terminal Project has been completed and forwarded to FHWA for review. Following that review, the air quality analysis for the DRIC for PM_{2.5} and PM₁₀ will proceed.

D. Upcoming Plans

- Continue recordation process, to the extent that permission is granted by property owners.
- Continue to work on the draft Technical Report on cultural issues for the project.
- Continue reviewing the shallow drilling boring logs and correlate with the deep testing for archaeological purposes.
- Complete the extrapolation to 2035 of induced demand impacts as a result of accessibility changes created by a new crossing.
- Complete a draft market/auto production report.
- Continue the analysis of migratory birds and lighting requirements on the bridge structure.
- Prepare for the fieldwork on threatened and endangered species, wetlands, coastal zone management areas, and water quality.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- This task is complete.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Continued coordination with the city of Detroit, private property owners and MDEQ to advance the permit/permission process associated with the deep drilling program.
- Continued the MDEQ drilling permit discussions.
- Prepared preliminary documentation to be submitted to MDEQ for a public hearing dealing with two property owners within 300 feet of boring hole 13 who will provide written agreement on the deep drilling program.
- Communicated with the attorneys for the PVS Chemicals property so that deep drilling on that property can go forward.
- Completed the draft of a second draft on rock mechanics forward model report for internal consulting team review.
- Completed a geophysical forward modeling report for internal consulting team review.
- Prepared for additional health and safety training for the first responders of the city of Detroit.

- Continued to provide input to Amendment 3 as required by MDOT, particularly dealing with the evacuation plan associated with an unwanted release of H₂S.

B. Products

- Draft petition to MDEQ for internal consulting team review so that permission can be granted to drill on Hole 13.
- Materials supplied to private owners of the PVS Chemicals and Renaissance Logistics drilling holes to secure right-of-entry to allow deep drilling.
- Additional materials to support Amendment 3 to permit the deep drilling to go forward.
- Various communications with the city of Detroit and MDEQ to secure permission to do the drilling.
- Hydrogen Sulfide Safety Plan.

C. Task Evaluation

- The deep drilling program amendment is still being held up based upon further communication with the MDOT attorneys, particularly as it relates to the potential H₂S evacuation issue.
- Communication continues with the city of Detroit to secure right-of-entry to its property to allow deep drilling. It is noteworthy that the number of holes on city property have declined from the original 11 to seven. That means seven drilling holes are on private property.
- Continued to communicate with LaFarge (2 holes), McCoy (1 hole), Renaissance Logistics (2 holes) and PVS Chemicals (1 hole) to allow drilling to proceed on their sites. Removed a hole from the city of Detroit property based upon field review by the driller to now place it on the Yellow Trucking property.
- Communicated with Yellow Trucking to once again advance permission to drill there.
- There is some reticence on the part of the private property owners to allow drilling on their property if there is any risk that the analysis of the materials from the drill holes will create a liability that otherwise is not an issue for them. Additionally, there is a similar reluctance on the part of the MDOT attorney to modify the language for fear that MDOT somehow becomes liable for activities that are associated with a lack of proper reporting.
- The City of Detroit continues to apply additional requirements to allow the deep-drilling program to go forward. These include special training of the Mistersky power plant employees (28) as well as the supply of breathing apparatus in case an emergency were to occur. Additionally, the drill hole on the Mistersky property had to be relocated because of the refusal to allow drilling there.

- MDOT decided that the petition to be submitted to MDEQ would be done by the consultant to allow drilling within 300 feet of two property owners who refuse to give written permission. A petition will be submitted to MDEQ in December.
- Discussions with the PVS property owner's attorney indicate that right-of-entry may be allowed without litigation.
- It is now apparent that the deep-drilling program will likely not start until January.

D. Upcoming Plans

- Continue coordination with the City of Detroit so that rights-of-entry can be issued to Corradino and MDOT permitting: 1) archaeological testing; 2) field examinations for wetlands and threatened and endangered species; 3) preparation work for the deep drilling; and, 4) shallow drilling for various plaza and ramp configurations.
- Submit to MDEQ the petition to allow permission to be granted to drill at boring hole 13 even though written permission is not provided by two nearby property owners.
- Continue to cooperate with LaFarge, Yellow Trucking, McCoy, Renaissance Logistics, and PVS for rights-of-entry to their property to allow deep drilling.
- Complete an additional draft report on rock mechanics forward modeling.
- Complete a report on geophysical forward modeling.
- Established the appropriate dates for the March meeting of the Geotechnical Advisory Committee.
- Update the schedule for the deep drilling program and the overall project based upon pursuing approval by MDOT of Amendment 3.
- Conduct health and safety training for the first responders of the city of Detroit.
- Continue to provide input to Amendment 3 to allow deep drilling as required by MDOT.
- Continue to coordinate with the City of Detroit and private property owners so that permission can be received to allow the deep-drilling program to go forward.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Completed refining the Practical Alternatives for the next level of analysis of impacts.
- Presented the Refined Alternatives and their preliminary impacts to the LAC/CCG on November 29th and to the public on December 5th.
- Postponed the U.S. Value Planning workshop until the latter part of January.
- Continued to press the Coast Guard to respond to the issue of piers in the water or adjusting the navigation channel.
- Cooperated with the Canadian consultants to advance the bridge-type study.
- Continued the refinement of Practical Alternatives based on the new design level photogrammetry files.
- Continued to refine the profiles, span arrangements, and superstructure decks for ramps and crossing structures.
- Completed draft design criteria, draft engineering report outline for the main crossing.
- Developed utility corridor information around the plaza to identify buffer zones and additional right-of-way impacts.
- Continued to prepare information for the MDOT utilities staff to assess the impacts of utilities in the project area.
- Participated in a meeting with the CBP in Washington on November 13th to discuss various plazas/issues. Began preparing materials to be submitted to CBP so it can review and comment on the plaza alternatives.
- Began refining the plaza layouts based on improvements identified during the refinement of the interchange geometry.
- Continued to prepare for the Value Planning workshop of the Practical Alternatives likely to be held in late January.

B. Products

- Refined plaza layouts based upon refined interchange geometry.

C. Task Evaluation

- The United States Coast Guard is not pushing the lake carriers/ship masters to provide input quickly enough to be able to address the issue of whether piers are allowed in the Detroit River or the navigation channel can be moved. Therefore, efforts need to be stepped-up by the consulting team regardless of the Coast Guard's position.

- The scheduling difficulties for key MDOT personnel requires the Value Planning workshop to be shifted to the latter part of January.
- Materials being prepared for the U.S. CBP will be provided in early December for evaluation of the plaza concepts. It is imperative at that time to request CBP for a date certain for a response.
- In refining the profiles of the various interchanges, it is noted that I-75 is exempt from the 16'-3" underclearance requirement. Therefore, new bridges can be built to maintain 14'-9" underclearances. Most bridges have lower clearance and, therefore, will need to be raised.
- The U.S. team has completed its portion of the first part of the bridge-type study. However, the material from the Canadian consulting team is behind schedule. The Canadians will be pressed to advance their documentation.
- The location of a utility corridor may have additional impacts in terms of property acquisition in the Area of Continued Analysis. This item needs to be further refined as the program goes forward.
- The linkage between the north and south part of I-75 will require further analysis of potential impacts. This will be conducted in the near future.

D. Upcoming Plans

- Continue preparations for the Value Planning session, to be conducted at the end of January.
- Continue refinement of the Practical Alternatives with the results of the microsimulation analysis of the year 2035 traffic.
- Prepare a package of information and submit it to U.S. CBP for review of the plaza concept.
- Press the Coast Guard as well as U.S. CBP for stepped-up activity dealing with various border crossing issues.
- Continue the investigation of impacts of closing all local access to and from the freeways between Springwells and Clark Street.
- Perform a level-of-service analysis of the I-75/Springwells and the I-75/Clark Street interchanges using 2035 traffic volumes, with closure of the Livernois/Dragoon interchange.
- Define bridge profiles based upon the new design-level topography.
- Determine the impacts on the service drives on abutting properties of the need to raise the bridges along I-75 because they have inadequate underclearance.
- Meet with MDOT utility staff, as appropriate, to discuss information submitted on utilities.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Produced preliminary refined impact data for the Practical Alternatives.
- Prepared for the December 5th meeting of the U.S. federal and state agencies.
- Prepared for the December 6th meeting with the Canadian Agencies Advisory Group.

B. Products

- Agenda and materials for the December 5th and December 6th meetings mentioned above.
- Preliminary impact data on the Practical Alternatives.

C. Task Evaluation

- Based upon approval by MDOT of the next amendment to allow deep drilling, the project schedule will be updated. It is likely the draft EIS will not be completed until the end of December 2007, which is one year behind the original schedule produced in the January 2005.
- The preliminary impact analysis scoping will be postponed until March 2007.

D. Upcoming Plans

- Meet with the U.S. federal and state agencies on December 5th to gain further input to the evaluation of impacts process.
- Present the preliminary and refined impact data for the Practical Alternatives to the public on December 5th.
- Meet with the Canadian Agencies Advisory Group on December 6th to begin the process whereby the transboundary impacts evaluation process will be defined.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Prepared parcel graphics for technical report.
- Conducted property owner interviews and site reconnaissance for additional properties that have approved right-of-entry agreements.
- Collected and reviewed environmental site data for technical reports to be prepared as part of the DEIS development process.
- Continued to cooperate with the City of Detroit to gain right-of-entry to other properties.

B. Products

- Additional property owner interviews.

C. Task Evaluation

- Work is progressing slowly.

D. Upcoming Plans

- Conduct site reconnaissance of additional properties that have approved right-of-entry agreements. This will now include City-owned properties.
- Meet with utility locators and subs in January regarding drilling for contamination assessment.
- Collect & review environmental site data for the technical reports.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work in this task has not been initiated.

TASK 18 (3310) – TASK 19 (3320) AERIAL TOPOGRAPHIC MAPPING/CONTROL SURVEY FOR AERIALS

A. Work Progress

- Prepared topographic mapping/control survey for area.
- Continued to prepare CAiCE files and spreadsheet for accuracy.
- Continued to prepare electronic files to be included in the final mapping report to MDOT.

B. Products

- None as none required.

C. Task Evaluation

- This task remains at 97 percent complete.

D. Upcoming Plans

- Continue gathering data for MDOT-required reports.

TASK 19 (3320) – PHOTOGRAMMETRIC CONTROL SURVEY

A. Work Progress

- Continued preparation of the Photogrammetric Control Survey Report.

B. Products

- None as none required.

C. Task Evaluation

- This task remains at 95 percent complete.

D. Upcoming Plans

- Continue to work on the report.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Additional preparation of structure under-clearance survey.

B. Products

- None as none required.

C. Task Evaluation

- This task remains at 10 percent complete.

D. Upcoming Plans

- Execute seven structure surveys for I-75 bridge under-clearances in priority areas.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work has not been initiated.

B. Products

- None as none required.

C. Task Evaluation

- Work in this task will be initiated once the scope is determined following the structure type study should bridge options with piers in the river be found to be viable.

D. Upcoming Plans

- Await results of the structure studies to determine the scope of work of the scour analysis task.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Continued coordination with the city of Detroit, private property owners and MDEQ to advance the permit/permission process associated with the deep drilling program.
- Continued the MDEQ drilling permit discussions.
- Prepared preliminary documentation to be submitted to MDEQ for a public hearing dealing with two property owners within 300 feet of boring hole 13 who will provide written agreement on the deep drilling program.
- Communicated with the attorneys for the PVS Chemicals property so that deep drilling on that property can go forward.
- Completed the draft of a second draft on rock mechanics forward model report for internal consulting team review.
- Completed a geophysical forward modeling report for internal consulting team review.
- Prepared for additional health and safety training for the first responders of the city of Detroit.
- Continued to provide input to Amendment 3 as required by MDOT, particularly dealing with the evacuation plan associated with an unwanted release of H₂S.

B. Products

- Draft petition to MDEQ for internal consulting team review so that permission can be granted to drill on Hole 13.
- Materials supplied to private owners of the PVS Chemicals and Renaissance Logistics drilling holes to secure right-of-entry to allow deep drilling.
- Additional materials to support Amendment 3 to permit the deep drilling to go forward.
- Various communications with the city of Detroit and MDEQ to secure permission to do the drilling.
- Hydrogen Sulfide Safety Plan.

C. Task Evaluation

- The deep drilling program amendment is still being held up based upon further communication with the MDOT attorneys, particularly as it relates to the potential H₂S evacuation issue.
- Communication continues with the city of Detroit to secure right-of-entry to its property to allow deep drilling. It is noteworthy that the number of holes on city property have declined from the original 11 to seven. That means seven drilling holes are on private property.
- Continued to communicate with LaFarge (2 holes), McCoy (1 hole), Renaissance Logistics (2 holes) and PVS Chemicals (1 hole) to allow drilling to proceed on their sites. Removed a hole from the city of Detroit property based upon field review by the driller to now place it on the Yellow Trucking property.
- Communicated with Yellow Trucking to once again advance permission to drill there.
- There is some reticence on the part of the private property owners to allow drilling on their property if there is any risk that the analysis of the materials from the drill holes will create a liability that otherwise is not an issue for them. Additionally, there is a similar reluctance on the part of the MDOT attorney to modify the language for fear that MDOT somehow becomes liable for activities that are associated with a lack of proper reporting.
- The City of Detroit continues to apply additional requirements to allow the deep-drilling program to go forward. These include special training of the Mistersky power plant employees (28) as well as the supply of breathing apparatus in case an emergency were to occur. Additionally, the drill hole on the Mistersky property had to be relocated because of the refusal to allow drilling there.
- MDOT decided that the petition to be submitted to MDEQ would be done by the consultant to allow drilling within 300 feet of two property owners who refuse to give written permission. A petition will be submitted to MDEQ in December.

- Discussions with the PVS property owner's attorney indicate that right-of-entry may be allowed without litigation.
- It is now apparent that the deep-drilling program will likely not start until January.

D. Upcoming Plans

- Continue coordination with the City of Detroit so that rights-of-entry can be issued to Corradino and MDOT permitting: 1) archaeological testing; 2) field examinations for wetlands and threatened and endangered species; 3) preparation work for the deep drilling; and, 4) shallow drilling for various plaza and ramp configurations.
- Submit to MDEQ the petition to allow permission to be granted to drill at boring hole 13 even though written permission is not provided by two nearby property owners.
- Continue to cooperate with LaFarge, Yellow Trucking, McCoy, Renaissance Logistics, and PVS for rights-of-entry to their property to allow deep drilling.
- Complete an additional draft report on rock mechanics forward modeling.
- Complete a report on geophysical forward modeling.
- Established the appropriate dates for the March meeting of the Geotechnical Advisory Committee.
- Update the schedule for the deep drilling program and the overall project based upon pursuing approval by MDOT of Amendment 3.
- Conduct health and safety training for the first responders of the city of Detroit.
- Continue to provide input to Amendment 3 to allow deep drilling as required by MDOT.
- Continue to coordinate with the City of Detroit and private property owners so that permission can be received to allow the deep-drilling program to go forward.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Participated in the November 2nd/U.S. and November 15th/Canadian CSS workshops.
- Participated in the November 29th LAC/CCG meeting on preliminary assessment of impacts.
- Prepared for the December 5th public meeting on preliminary assessment of impacts.

B. Products

- Preparations for the CSS workshops.
- PowerPoint presentation of the CSS workshops' results presented to the LAC/CCG on November 29th.

- Postcards depicting aesthetic simulation of crossing, interchange, and local roads/buffer zones from public input.

C. Task Evaluation

- A critical path item eventually will be the decision process by the Steering Committee to select a Preferred Alternative. Progress has been made on this by discussing a set of guiding principles.
- The U.S. consultant has produced a preliminary set of mitigation measures. The Canadians believe that such measures are not “mitigation” in Canada but “compensation.” Further work is needed on this matter.
- The location of a utility corridor may have additional impacts in terms of property acquisition in the Area of Continued Analysis. This item needs to be further refined as the program goes forward.
- The eventual value planning activities will allow the interchange design concept to be refined which may lead to the definition of additional mitigation measures.

D. Upcoming Plans

- Continue collaboration among members of the technical team and with the community to define mitigation measures.
- Prepare for and participate in the December 5th meeting on the preliminary assessment of impacts.
- Prepare for the value planning activities to determine if further refinements of the interchange can lead to further mitigation measures.
- Begin to measure the impacts of a utility corridor in the Area of Continued Analysis.
- Begin to measure the impacts of a local access road to allow crossing between north and south I-75.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

The schedule was last updated in August 2006. Further adjustments will be made once the deep drilling program is approved in December.

E. ITEMS NEEDED FROM MDOT

- Additional as-built information previously approved.
- Right-of-entry paperwork on private properties that have concerns about reporting of characterization of the products of the drilling.
- Final determination of the need to do underwater archaeological tests.
- Meeting with the Modeling Task Force to determine the next steps in advancing the nested logit model.
- Assistance in gaining comment from the Steering Committee on the preliminary guiding principles to select a Preferred Alternative.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT

- At the following meetings:
 - ✓ November 1st with the Working Group.
 - ✓ November 2nd with the Context Sensitive Solutions workshop in the U.S.
 - ✓ November 2nd with the Steering Committee.
 - ✓ November 13th with U.S. Customs in Washington, D.C.
 - ✓ November 15th Context Sensitive Solutions workshop in Canada.
 - ✓ November 21st with the Core Team.
 - ✓ November 29th with the LAC/CCG.
- Daily e-mail and telephone conversations with the MDOT Project Manager.
- Two status reports.
- Monthly progress report.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Community Planning
First week of August 2006 ¹	First week of November 2006	13 Context Sensitive Design 3
Additional Task ¹	Second week of February 2007	14 Context Sensitive Design 4
Additional Task ¹	Second week of April 2007	15 Context Sensitive Design 5
Additional Task ¹	Second week of June 2007	16 Context Sensitive Design 6
Fourth week of July 2006 ¹	Last week of July 2007	17 Engineering Concepts Report
Second week of August 2006 ¹	First week of April 2007	18 Preliminary DEIS
Fourth week of November 2006 ¹	First week of July 2007	19 Public Hearing Script/Video
Second week of October 2006 ¹	Mid-August 2007	20 Draft DEIS
Second week of December 2006 ¹	Mid-August 2007	21 FHWA Approved DEIS
Second week of January 2007 ¹	Mid-September 2007	22 DEIS Public Hearing
Second week of April 2007 ¹	Mid-October 2007	23 Public Hearing Comment Summary
Fourth week of July 2007 ¹	First week of December 2007	24 Recommended Alternative
Additional Task ¹	First week of December 2007	25 Public Meeting
Additional Task ¹	First week of February 2008	26 Public Meeting
Second week of December 2007 ¹	Last week of April 2008	27 Recommended Alternative Presentation
Fourth week of August 2007 ¹	Last week of June 2008	28 Final EIS
Fourth week of September 2007 ¹	Last week of June 2008	29 Final Engineering Report
Fourth week of November 2007 ¹	Last week of June 2008	30 MOU
Fourth week of December 2007 ¹	Last week of June 2008	31 Access Justification Report
Fourth week of December 2007 ¹	Last week of July 2008	32 ROD

¹ Revised in September 2006.

ATTACHMENT

H. CONTACT RECORDS

- Daily contact records, daily e-mails and conversations by phone and in person with the MDOT Project Manager and other MDOT/FHWA personnel.
- Two status reports.
- Monthly progress report.
- Notes of meetings of:
 - ✓ November 1st with the Working Group.
 - ✓ November 2nd with the Context Sensitive Solutions workshop in the U.S.
 - ✓ November 2nd with the Steering Committee.
 - ✓ November 13th with U.S. Customs in Washington, D.C.
 - ✓ November 15th Context Sensitive Solutions workshop in Canada.
 - ✓ November 21st with the Core Team.
 - ✓ November 29th with the LAC/CCG.

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January 15, 2007

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

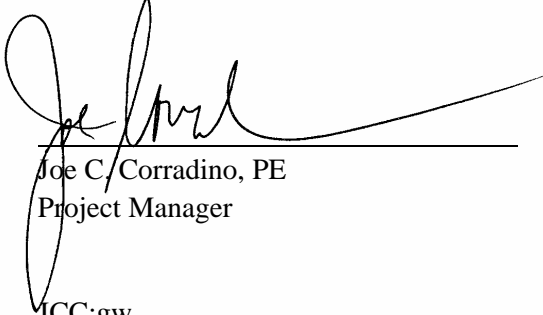
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 24 Progress Report

Dear Mohammed:

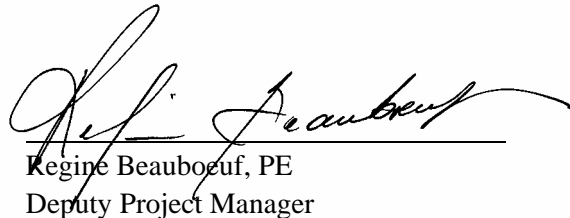
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 24 for December 2006. The invoice will be submitted under separate cover to Kim Farlin.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
DECEMBER 1 THROUGH DECEMBER 31, 2006**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

✓ **TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN**

A. Work Progress

- Prepared for and participated in the following meetings:
 - ✓ December 5th with the federal and state agencies.
 - ✓ December 5th with the public on the preliminary impact assessment review.
 - ✓ December 6th with the Canadian Agencies Advisory Group.
 - ✓ December 7th with the Steering Committee.
 - ✓ December 8th with the Private Sector Advisory Group.
 - ✓ December 19th with the Core Team.
- Prepared for two public meetings in Delray surrounding the drilling program.
- Distributed door-to-door flyers in Delray announcing the drilling program.
- Prepared for the next LAC meeting of January 31st.
- Updated internal draft of the November CSS Workshop notes.

B. Products

- Agendas, materials and notes for the December meetings.
- Flyers for the January 11th Delray meeting on the drilling program.
- Updated draft of the notes of the November CSS Workshops.

C. Task Evaluation

- The first meeting of the Delray community on the drilling program will be on January 11th; however, it is uncertain when the second meeting will occur in January because of the uncertainty associated with the official start of the drilling.

D. Upcoming Plans

- Prepare for and participate in the following meetings in January:
 - ✓ January 11th, the predrilling meeting in the Delray community.
 - ✓ January 11th with the Working Group.
 - ✓ January 16th, the bridge-type meeting.
 - ✓ January 19th (tentative) the utilities review meeting with MDOT.
 - ✓ January 23rd with the Core Team.
 - ✓ January 31st with the Working Group.
 - ✓ January 31st with the Local Advisory Council/Local Agency Group.
 - ✓ January 31st (tentative), the drilling operations field review.
- Distribute two door-to-door flyers in association with the Delray community meetings on drilling.
- Prepare a schedule for public meetings in the first six months of the calendar year.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT**A. Work Progress**

- Completed additional travel time runs for microsimulation calibration on Fort Street, I-75/I-96.
- Completed analysis to identify the weaving length of the ramps from the new crossing.
- Determined turning movement volumes for all at-grade intersections to identify the need for indirect left-turn bridges over I-75.
- Continued preparing traffic data exhibits for the value planning workshop now scheduled for January 29th through February 2nd.

B. Products

- Exhibits developed internal to the consulting team upgrading future traffic volumes and corresponding levels-of-service at key locations affected by the Practical Alternatives.

C. Task Evaluation

- QA/QC of the simulation model continues as engineering treatments are advanced.

D. Upcoming Plans

- Prepare for and participate in a meeting on January 9th with the DRIC Modeling Task Force to discuss the nested logit model and its application.
- Finish recoding the Gateway Project and rerun the macro travel demand models with fully-coded U.S. and Canadian plazas.
- Begin modeling of the midday analysis now that all plaza coding is finalized.
- Continue QA/QC of the microsimulation.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- None, as the expected work on the DIFT Air Quality qualitative hotspot analysis awaits review of the DIFT analysis process.

B. Products

- None, as none required.

C. Task Evaluation

- The review by FHWA and MDOT of the Air Quality Protocol applied to the Detroit Intermodal Freight Terminal Project will allow the DRIC air quality analysis to go forward.

D. Upcoming Plans

- Following review of the DIFT air quality analysis, begin the DRIC air quality analysis.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Right-of-entry received from the City for various field work including archaeology and wetlands but not deep drilling.
- Developed accessibility indices for the U.S. and the Canadian portions of the study area.
- Completed the extrapolation to 2035 of induced demand impacts resulting from accessibility changes created by a new crossing.
- Cooperated with the engineering component of the analysis process to review the value planning agenda.
- Completed photography for the majority of buildings in Tier 1 and 2 in the APE.
- Began arranging the logistics for the archaeological and deep site testing.
- Develop the cultural time-line.

B. Products

- 2035 accessibility measures for the Build versus No Build conditions supporting the induced demand analysis.
- Right-of-entry received from the City for various field work including archaeology and wetlands but not deep drilling.
- Draft cultural time-line.

C. Task Evaluation

- Two potential historic resources may exist in the Tier 3 portions of the APE.
- Issuance by the City of the right-of-entry will allow archaeological field work to begin in January. The wetlands work will wait until the spring.
- The qualitative analysis of PM_{2.5} and PM₁₀ for the Detroit Intermodal Freight Terminal Project is under review by MDOT and FHWA. Following that review, the air quality analysis of the DRIC for PM_{2.5} and PM₁₀ will proceed.

D. Upcoming Plans

- Continue updating/expanding the draft Cultural Resources Technical Report.
- Begin field work for archaeological and deep site testing. The field work should take approximately 30 working days.
- Determine if the qualitative analysis of PM_{2.5} and PM₁₀ for the Detroit Intermodal Freight Terminal Project can begin based on the MDOT and FHWA review of the DRIC air quality analysis for PM_{2.5} and PM₁₀.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- This task is complete.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Received approval of the amendment to allow deep drilling from MDOT.
- Continued to communicate with the insurance companies to secure insurance policies to provide additional “pollution” coverage and evacuation cost coverage.
- Continued right-of-entry coordination with the City, including obtaining appropriate insurance for additional pollution control protection.
- Refined the Drilling Work Plans, the H₂S Plan and Communication Plan for submission to various owners of the drilling sites.
- Continued with MDEQ the discussion of the hearing for the property owners within 300 feet of the PVS borehole to allow deep drilling.
- Continued to communicate with LaFarge (2 holes), McCoig (1 hole), Renaissance Logistics (2 holes), PVS Chemicals (1 hole), and Yellow Trucking (1 hole) to allow drilling to proceed on their sites.
- Conducted additional health and safety training for the City’s first responders.
- Completed draft report on forward modeling by Z-Seis.
- Prepared for a meeting with the City of Detroit on January 9th to take the last steps to secure permission/right-of-entry to its properties (7 holes) to allow the deep drilling program to begin.

B. Products

- Updated deep drilling Communication Plan , Work Plans , H2S Plan, and right-of-entry paperwork.

- Additional training for the City of Detroit first responders.

C. Task Evaluation

- It is likely that drilling will proceed in the month of January. However, it is also clear that to do so, appropriate insurance coverages for additional pollution control and to cover the cost of emergency evacuation are required.
- The insurance company is being extremely slow in providing additional pollution coverages and emergency evacuation coverage.
- Cooperation with LaFarge, McCoig, Renaissance Logistics and Yellow Trucking has been productive and it appears that appropriate adjustments can be made to various documents to allow rights-of-entry to be gained in January. On the other hand, no response has been received from the PVS Chemical lawyer to facilitate making progress. If PVS does not respond within the first few days of January, then the matter will be turned back to MDOT's lawyers for action.
- MDEQ is preventing going forward with the hearing to gain permission to drill at the PVS site over the refusal by two residential property owners within 300 feet of the drill hole to sign the permission form. MDEQ's position needs to be revised so that the hearing can go forward. The option should be offered to MDEQ that no drilling will occur until right-of-entry is secured.

D. Upcoming Plans

- Meet with the City on January 9th to secure all permissions to go forward with the drilling.
- Begin drilling on the City of Detroit properties as soon as possible after the January 9th meeting.
- Coordinate with LaFarge (2 holes), McCoig (1 hole), Renaissance Logistics (2 holes), and Yellow Trucking (1 hole), to secure in January the permission to drill.
- Turn over the PVS Chemicals matter to MDOT's attorney if response from PVS is not forthcoming immediately in January.
- Make contact with MDEQ to advance the hearing on two property owners who refuse to give their written permission to drill.
- Prepare the drilling sites, minus any deep drilling, consistent with the right-of-entry issued by the City in December.
- Finalize a memorandum coordinating the rock mechanics and the geophysical forward modeling report.
- Finalize the date for the next GeoAdvisory Group meeting.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Participated in the December Steering Committee meeting focused on the preliminary evaluation of alternatives including the most available cost estimates.
- Submitted to the U.S. Customs and Border Protection documentation to allow CBP's review of the plaza concepts.
- Pressed the U.S. Coast Guard as well as CBP for stepped-up responses dealing with the various border crossing issues.
- Continued refining the Practical Alternatives in preparation for the value planning meeting beginning on January 29th.
- Continued refining Practical Alternatives based on the new photogrammetry.
- Began refining profiles of all bridges crossing I-75 with more accurate DTM data
- Continued refining the interchange ramp profiles, the bridge span arrangements and superstructure depths for ramps and crossroad structures.
- Began engineering a new alternative where the local ramps to I-75 are eliminated at Livernois and Dragoon and traffic is directed to Springwells and Clark.
- Performed a level-of-service analysis of the I-75/Springwells and I-75/Clark Street interchanges using 2035 traffic volumes with the closure of the Livernois/Dragoon interchange.
- Determined the impacts of the service drives on abutting properties and the need to raise the bridges along I-75 because they have inadequate underclearance.
- Determined the unit cost to be applied to all Practical Alternatives for the value planning. Began cost estimating.
- Drafted a memo on construction sequencing for the Practical Alternatives.
- Prepared utility corridor outline exhibits for review.
- Progressed the structure type study for the river crossing.

B. Products

- Presentation to the Steering Committee focusing on the key issues that need to be given further detailed consideration in selecting a Preferred Alternative. These issues are: (1) brine wells impacts/risks; (2) possible location of piers in the water/moving navigation channels; (3) rail line passing through Delray; (4) treatment of Sterling Marine Fuels; (5) noise impacts on Sandwich Towne; and, (6) cost estimates of crossing/approaches.
- Exhibits for the value planning meeting beginning on January 29th.
- New interchange alternatives.

C. Task Evaluation

- Contact was made with the U.S. Coast Guard as well as the Great Lakes shippers on the U.S. side to press for a response on the issue of piers in the Detroit River and/or moving the navigation channel.
- Efforts were made to press the Norfolk Southern Railroad to meet to discuss the rail line in Delray.
- The engineering concepts of the plazas and interchanges are being refined in advance of value planning meetings.
- Preliminary results of the bridge type study will be available by February 1st Steering Committee meeting.
- The Lake Carriers Association has indicated that it will respond to the issue of piers in the water/moving the navigation channel following its February 7th meeting.

D. Upcoming Plans

- Finalize preparations for and conduct the value planning session from January 29th to February 2nd.
- Press the Great Lakes shippers and the U.S. Coast Guard for a decision on the possibility of placing piers in the Detroit River or moving the navigation channel.
- Schedule a meeting with MDOT to discuss the utility information.
- Meet on January 16th with MDOT and the consultant team to review the first screening of bridge types.
- Complete a memo report on the results for presentation to the Working Group and Steering Committee.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Met with U.S. federal and state agencies on December 5th to gain further input to the evaluation of impacts process.
- Presented to the public on December 5th the preliminary refined impact data on the Practical Alternatives.
- Met with the Canadian Agencies Advisory Group on December 6th to begin the process whereby the trans-boundary impacts evaluation process will be defined.

- Met with the Steering Committee on December 7th to discuss the preliminary impact data of the Practical Alternatives.
- Developed, based upon an evaluation of the preliminary impact data for the Practical Alternatives, a list of the following key issues that need focused attention in order to advance the selection of the Practical Alternatives: 1) brine wells impacts/risks; (2) possible location of piers in the water/moving navigation channels; (3) rail line passing through Delray; (4) treatment of Sterling Marine Fuels; (5) noise impacts on Sandwich Towne; and, (6) cost estimates of crossing/approaches.

B. Products

- Memo on key issues that need focused attention.

C. Task Evaluation

- Review of the preliminary impact data on the Practical Alternatives has allowed the team to focus on the six key issues, noted above, to advance the evaluation of Practical Alternatives so that a Preferred Alternative can be selected.

D. Upcoming Plans

- Meet with the Working Group and prepare to meet with the Steering Committee to discuss the progress on the six key issues that will assist in selecting a Preferred Alternative.
- Coordinate with MDOT and FHWA on the next steps to be taken to define what the trans-boundary impacts evaluation process requires.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Completed draft parcel graphics for the potential hazmat sites within the Focused Analysis Area.
- Began scheduling Phase II hazmat drilling/sampling now that Right-of-Entry forms have been received from the City of Detroit.

B. Products

- Contaminated sites graphics.

C. Task Evaluation

- Progress continues to be slow but should pick-up now that the City of Detroit has issued Right-of-Entry forms.

D. Upcoming Plans

- Complete data input to Value Planning.
- Conduct site reconnaissance of additional properties that have approved right-of-entry agreements. This will now include City-owned properties.
- Collect and review environmental site data for the technical report.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work in this task has not been initiated.

TASK 18 (3310) – TASK 19 (3320) AERIAL TOPOGRAPHIC MAPPING/CONTROL SURVEY FOR AERIALS

A. Work Progress

- Continued gathering data for the MDOT-required report.

B. Products

- None as none required.

C. Task Evaluation

- This task remains at 97 percent complete.

D. Upcoming Plans

- Continue gathering data for the MDOT-required report.

TASK 19 (3320) – PHOTOGRAMMETRIC CONTROL SURVEY

A. Work Progress

- Continued preparation of the Photogrammetric Control Survey Report.

B. Products

- None as none required.

C. Task Evaluation

- This task remains at 95 percent complete.

D. Upcoming Plans

- Continue to work on the report.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Completed surveys (7) for I-75 bridge underclearances in priority areas.

B. Products

- Results for seven surveys for bridge underclearances.

C. Task Evaluation

- This task is 15 percent complete.

D. Upcoming Plans

- Complete bridge underclearance diagrams.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work has not been initiated on this task.

B. Products

- None as none required.

C. Task Evaluation

- Work in this task will be initiated once the scope is determined following the structure type study should bridge options with piers in the river be found to be viable.

D. Upcoming Plans

- Await results of the structure studies to determine the scope of work of the scour analysis task.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Received approval of the amendment to allow deep drilling from MDOT.
- Continued to communicate with the insurance companies to secure insurance policies to provide additional “pollution” coverage and evacuation cost coverage.
- Continued right-of-entry coordination with the City, including obtaining appropriate insurance for additional pollution control protection.
- Refined the work scope and H₂S Plan and Communication Plan for submission to various owners of the drilling sites.
- Continued with MDEQ the discussion of the hearing for the property owners within 300 feet of the PVS borehole to allow deep drilling.
- Continued to communicate with LaFarge (2 holes), McCoig (1 hole), Renaissance Logistics (2 holes), PVS Chemicals (1 hole), and Yellow Trucking (1 hole) to allow drilling to proceed on their sites.
- Conducted additional health and safety training for the City’s first responders.
- Completed draft report on forward modeling by Z-Seis.
- Prepared for a meeting with the City of Detroit on January 9th to take the last steps to secure permission/right-of-entry to its properties (7 holes) to allow the deep drilling program to begin.

B. Products

- Updated deep drilling communication plan, hydrogen sulfide plan, work scope, and right-of-entry.
- Additional training for the City of Detroit first responders.

C. Task Evaluation

- It is likely that drilling will proceed in the month of January. However, it is also clear that to do so, appropriate insurance coverages for additional pollution control and to cover the cost of emergency evacuation are required.
- The insurance company is being extremely slow in providing additional pollution coverages and emergency evacuation coverage.
- Cooperation with LaFarge, McCoig, Renaissance Logistics and Yellow Trucking has been productive and it appears that appropriate adjustments can be made to various documents to allow

rights-of-entry to be gained in January. On the other hand, no response has been received from the PVS Chemical lawyer to facilitate making progress. If PVS does not respond within the first few days of January, then the matter will be turned back to MDOT's lawyers for action.

- MDEQ is preventing going forward with the hearing to gain permission to drill at the PVS site over the rejection of signing the permission form by two residential property owners within 300 feet of the drill hole. This needs to be revised so that the hearing can go forward. The option should be offered to MDEQ that no drilling will occur until right-of-entry is secured.

D. Upcoming Plans

- Meet with the City on January 9th to secure all permissions to go forward with the drilling.
- Begin drilling on the City of Detroit property as soon as possible after the January 9th meeting.
- Coordinate with LaFarge (2 holes), McCoig (1 hole), Renaissance Logistics (2 holes), and Yellow Trucking (1 hole), to secure in January the permission to drill.
- Turn over the PVS Chemicals matter to MDOT's attorney if response from PVS is not forthcoming immediately in January.
- Make contact with MDEQ to advance the hearing on two property owners who refuse to give their written permission to drill.
- Prepare the drilling sites, minus any deep drilling, consistent with the right-of-entry issued by the City in December.
- Finalize a memorandum and cover document coordinating the rock mechanics and the geophysical forward modeling report.
- Finalize the date for the next GeoAdvisory Group meeting.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Continued collaboration among members of the Technical Team with the community to define mitigation measures.
- Prepared for and participated in the December 5th public meeting on the preliminary assessment of impacts of the Practical Alternatives.
- Prepared for the value planning activities to determine if further refinements of the interchanges and local access can lead to further mitigation measures or impacts.
- Began to measure the impacts of a utility corridor in the Area of Continued Analysis.
- Began to measure the impacts of a local access road to allow crossing between the north and south of I-75.

B. Products

- Materials for the December 5th public meeting on the preliminary assessment of impacts of the Practical Alternatives.
- Additional materials for the refinement of alternatives and for the value planning workshop.

C. Task Evaluation

- Continuing discussion is necessary with the Canadians in order to define what is mitigation versus compensation per Canadian terms so that the selection of a Preferred Alternative is inclusive of both direct construction costs and mitigation costs.
- The value planning activities will allow the interchange design concept to be refined which may lead to the definition of additional mitigation measures. Additionally, the value planning workshop will allow the Context Sensitive Solutions work to go forward to allow citizen input to the various design elements as they are refined.

D. Upcoming Plans

- Meet with the Working Group and Steering Committee to discuss progress on the six key items to assist in selecting a Preferred Alternative.
- Complete the measurement of impacts on the utility corridor in the Area of Continued Analysis and package for presentation to the Local Advisory Council at its February meeting.
- Complete the measurement of impacts of local access to cross between north and south of I-75 and present the data to the Local Advisory Council at its February meeting.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

The schedule was updated in December 2006. The impacts are described in Section E.

E. ITEMS NEEDED FROM MDOT

- Additional as-built information previously approved.
- Right-of-entry paperwork on private properties that have concerns about reporting of characterization of the products of the drilling.
- Final determination of the need to do underwater archaeological tests.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT

- At the following meetings:
 - ✓ December 5th with the federal and state agencies.
 - ✓ December 5th with the public on the preliminary impact assessment review.
 - ✓ December 6th with the Canadian Agencies Advisory Group.
 - ✓ December 7th with the Steering Committee.
 - ✓ December 8th with the Private Sector Advisory Group.
 - ✓ December 19th with the Core Team.
- Daily e-mail and telephone conversations with the MDOT Project Manager.
- Two status reports.
- Monthly progress report.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Community Planning
First week of August 2006 ¹	First week of November 2006	13 Context Sensitive Design 3
Additional Task ^{1,2}	Second week of February 2007	14 Context Sensitive Design 4
Additional Task ^{1,2}	Second week of April 2007	15 Context Sensitive Design 5
Additional Task ^{1,2}	Second week of June 2007	16 Context Sensitive Design 6
Fourth week of July 2006 ^{1,2}	Last week of July 2007	17 Engineering Concepts Report
Second week of August 2006 ^{1,2}	Second week of November 2007	18 Preliminary DEIS
Fourth week of November 2006 ^{1,2}	Second week of November 2007	19 Public Hearing Script/Video
Second week of October 2006 ^{1,2}	Mid-October 2007	20 Draft DEIS
Second week of December 2006 ^{1,2}	End of December 2007	21 FHWA Approved DEIS
Second week of January 2007 ^{1,2}	Mid-January 2008	22 DEIS Public Hearing
Second week of April 2007 ^{1,2}	Mid-February 2008	23 Public Hearing Comment Summary
Fourth week of July 2007 ^{1,2}	Second week of April 2008	24 Recommended Alternative
Additional Task ^{1,2}	First week of April 2008	25 Public Meeting
Additional Task ^{1,2}	First week of June 2008	26 Public Meeting
Second week of December 2007 ^{1,2}	Last week of August 2008	27 Recommended Alternative Presentation
Fourth week of August 2007 ^{1,2}	Last week of August 2008	28 Final EIS
Fourth week of September 2007 ^{1,2}	Last week of October 2008	29 Final Engineering Report
Fourth week of November 2007 ^{1,2}	Last week of October 2008	30 MOU
Fourth week of December 2007 ^{1,2}	Last week of October 2008	31 Access Justification Report
Fourth week of December 2007 ^{1,2}	Last week of November 2008	32 ROD

¹ Revised in September 2006.² Revised in January 2007.

ATTACHMENT

H. CONTACT RECORDS

- Daily contact records, daily e-mails and conversations by phone and in person with the MDOT Project Manager and other MDOT/FHWA personnel.
- Two status reports.
- Monthly progress report.
- Notes of meetings of:
 - ✓ December 5th with the federal and state agencies.
 - ✓ December 5th with the public on the preliminary impact assessment review.
 - ✓ December 6th with the Canadian Agencies Advisory Group.
 - ✓ December 7th with the Steering Committee.
 - ✓ December 8th with the Private Sector Advisory Group.
 - ✓ December 19th with the Core Team.

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February 12, 2007

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

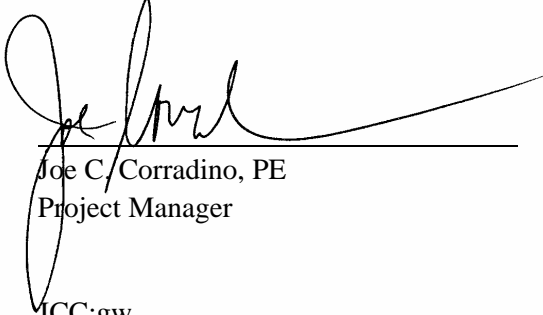
RE: DRIC EPE/EIS Project; Job N. 802330
TCG Project No. 3600 - Invoice No. 25 Progress Report

Dear Mohammed:

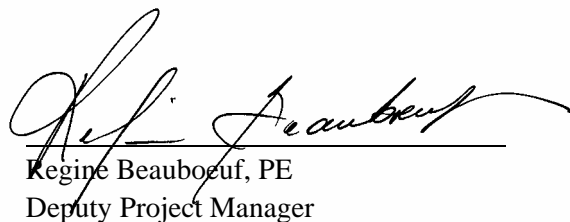
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 25 for January 2007. The invoice will be submitted under separate cover to Kim Farlin.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:gw
I:\Projects\3600\WP\ProgRpt\PR25.doc
Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
JANUARY 1 THROUGH JANUARY 31, 2007**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Participated in the following meetings in January
 - ✓ January 11 – Pre-drilling in the Delray community.
 - ✓ January 11 – With the Working Group.
 - ✓ January 16 – Bridge-Type study with MDOT/FHWA participation.
 - ✓ January 19 – Utilities review with MDOT.
 - ✓ January 23 – With the Core Team.
 - ✓ January 29- February 1 – Value Planning.
 - ✓ January 31 – With the Working Group
 - ✓ January 31 – With the Local Advisory Council/Local Agency Group
 - ✓ January 31 – With the Delray community to tour various drilling sites and a meeting in the Delray Community Center to answer questions of the deep drilling program.
- Distributed flyers door-to-door in association with the two Delray community meetings on DRIC.
- Prepared a schedule for upcoming public meetings: 1) Monthly drilling meetings preceding the LAC/LAG meetings; 2) mid-to-late March: Review of Preliminary Impacts of Cross I-75 corridor, utility corridor, and alternative Delray Land Use Plans; mid-to-late April: 3) CSS Workshop #3; and, 4) mid-to-late June: CSS Workshop #4, second Social/Cultural Meeting.

B. Products

- Agendas and notes for the January meetings.
- Flyers for the January 11th and 31st meetings on the drilling program.

C. Task Evaluation

- Attendance at the meetings dealing with drilling approached 100. This is as strong people as at any meetings held in 2006.
- The community is interested and constructive in the engagement process.

D. Upcoming Plans

- Prepare for and participate in the following meetings in February:
 - ✓ February 1st, with the Partnership Steering Committee.
 - ✓ February 14th with MDOT to review impacts and mitigation.
 - ✓ February 20th, with the Core Team.
 - ✓ February 22nd, with the Working Group.
 - ✓ February 28th, with the Delray community on the drilling program.
 - ✓ February 28th with the Local Advisory Council/Local Agency Group.
 - ✓ Prepare for a March 1st Steering Committee meeting dealing with impacts of the utility corridor.
 - ✓ Prepare for March 21st public meeting and “Gateway Boulevard.” Also discuss land use for Delray.
 - ✓ Distribute a flyer in association with the February 28th Delray community meeting on drilling.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Developed a sensitivity test to tolls of 2035 PM traffic.
- Prepared for and participated in the January 9th meeting with the DRIC Modeling Task Force to discuss the nested logit model and its results.
- Explored the application of a three-nest logic model in response to the suggestions made at the DRIC Modeling Task Force meeting on January 9th.
- Re-created the Gateway Project and re-ran the macro traffic demand model.
- Continued to QA/QC of the micro-simulation analysis.

B. Products

- Sensitivity test of tolls.
- Preliminary results of three-nest logit model.

- Traffic volumes at key ramp and freeway locations for the Practical Alternatives as input for the value-planning efforts.

C. Task Evaluation

- The sensitivity test of tolls determined the following: For each ten percent change in tolls on the new crossing, compared to the Ambassador Bridge, there is an approximate 6 ½ percent change in the new crossing's traffic. The test also demonstrated that cars are more sensitive to toll differences than trucks. For example, a ten percent difference in tolls will cause the crossing with the higher tolls to lose between seven and eight percent of the car traffic and about 3 ½ percent of the truck traffic.
- Preliminary results indicate that the three-nest logic model produces no different results than the two-nest model for truck traffic in the 2035 PM. Therefore, the two-nest model will continue to be used to establish the lower bounds on river crossing traffic.
- The need to test a three-nest logic model diverted attention from other tasks, including the macro modeling of the mid-day traffic. This work will be resumed in February.

D. Upcoming Plans

- Document the results of the three-nest logic model.
- Report to the Core Team the results of the difference in tolls on the Ambassador or the proposed new DRIC Crossing.
- Prepare a micro-simulation report and present to MDOT.
- Complete the macro-level analysis of mid-day traffic.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- None, as none required.

B. Products

- None, as none required.

C. Task Evaluation

- This task is complete.

D. Upcoming Plans

- None, as none required.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Began the “hotspots” qualitative analysis of particulate matter based on FHWA review of the DIFT Air Quality Analysis.

- Conducted site testing for archeologic purposes on January 22 through January 26. The properties involved are as follows:

- | | |
|--|--|
| ✓ 6994 South | ✓ 6621 South |
| ✓ 6617 South | ✓ 6501 South (Rademacher Park) |
| ✓ 180 Military | ✓ 186 Military |
| ✓ 280 Campbell | ✓ 410 Campbell |
| ✓ 428 Campbell | ✓ 693 Waterman |
| ✓ 699 Waterman | ✓ 693 Waterman |
| ✓ 705 Waterman | ✓ 711 Waterman |
| ✓ 6366 West Jefferson | ✓ 6342 West Jefferson |
| ✓ 5851 West Jefferson (Revere
Copper Works) | ✓ 5601 West Jefferson (Revere
Copper Works) {29 N3} |

- Prepared the schedule for review by MDOT of the wetlands field work.
- Reviewed the available record for species likely to travel the Detroit River corridor and used that information to outline the impacts.
- Began preparation of the indirect and cumulative impact analysis technical report.
- Continued preparing the induced demand technical report.
- Continued documenting the cultural resources analysis.

B. Products

- Field work results of the archaeological testing.

C. Task Evaluation

- Field test for archeological purposes indicates properties at 5851 and 5601 West Jefferson have possible hazmat issues. This matter will be addressed with the City as it owns these properties.

D. Upcoming Plans

- Continue archaeological deep testing.
- Continue documenting the cultural resources analysis.
- Continue documenting the induced demand analysis.
- Continue the analysis of the air quality impacts. Participate in a meeting with FHWA and MDOT on protocol.
- Continue the analysis of the impacts in the following areas: threatened and endangered species; noise; flooding; water quality; parks; EJ/Title-VI issues; indirect/cumulative effects; wetlands; visual resources; etc.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- This task is complete.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Met with the City of Detroit on January 9th to gain permission to go forward with the deep drilling.
- Secured written approval to drill on the LeFarge property (2 holes), McCoig (1 hole), Renaissance Logistics (2 holes). Yellow Trucking (1 hole) is pending.
- Received written permission to drill on the PVS Chemicals property without going to court.
- Advanced documentation and public notice requirements for the March 22nd MDEQ hearing to eliminate the need for written permission to drill of residential property owners within 300 feet of the PVS borehole.

- Finalized a cover memorandum on the Forward Modeling Report.
- Finalized March 27th as the date for the next Geo-Ad Group meeting.
- Finalized the Work Plan and the Communication Protocol for the deep drilling program.
- Participated on January 25th in a mock drill for evacuation purposes conducted by the City of Detroit.
- Received permission from the City of Detroit to drill Hole 10 on the Revere Copper property.
- Installed casings for six holes in preparation for the deep drilling.

B. Products

- Approval of right-of-entry to drill one hole on the Revere Copper property site from the City of Detroit.
- Preparation of six of 14 holes for the deep drilling program.
- Daily progress reports and weekly summary reports of the deep drilling program.
- Final Deep Drilling Work Plan and Communications Protocol.

C. Task Evaluation

- All City of Detroit requirements have been met so that the first hole can be drilled to demonstrate the procedures.
- The owner of the PVS property agreed to allow deep drilling without court action.

D. Upcoming Plans

- Complete site preparation for seven of the last eight holes. Only the PVS hole will wait for MDEQ approval.
- Complete the drilling the first hole on the Revere Copper property. Complete drilling on three other holes.
- Compile daily reports of the deep drilling program.
- Compile weekly summary reports of the deep drilling program.
- Forward materials to the Geo-Ad Group on forward modeling. Prepare for the March 27th meeting.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Prepared for and participated in the utility coordination meeting on January 19, 2007.

- Prepared the draft report for the Bridge-Type Study evaluation of January 16, 2007. Presented the results to the Working Group on January 31st.
- Updated the Bridge-Type Study report and submitted it to MDOT following the meeting.
- Continued refining the Practical Alternatives with the design-level photogrammetry prepared for the project in preparation for the value planning meetings.
- Continued with the layout of a new alternative interchange configuration (#14) for which the local ramps are eliminated altogether at Livernois and Dragoon and traffic is then directed to Springwells and Clark.
- Concluded the cost estimation of the Practical Alternatives' interchanges in preparation of the value planning meetings.
- Completed a technical memorandum on construction sequencing in preparation for value planning meetings.
- Continued refining the profiles of all bridge crossings at I-75 as a result of the new photogrammetry.
- Completed studies on the location and preliminary concept for retaining walls along I-75.
- Prepared and submitted a binder of information to the value planning participants prior to the January 29 – February 1, 2007, workshop. Conducted the value planning workshop.
- Pressed the Great Lakes Shippers and the U.S. Coast Guard for a response to the allowability of placing piers in the Detroit River or moving the navigation canal.
- Received preliminary responses on the plaza alternatives from GSA and CBP.

B. Products

- Value planning information book.
- Draft Bridge-Type Study report.
- PowerPoint presentation summarizing the results of the Bridge-Type evaluation meeting.

C. Task Evaluation

- Information in a binder prepared for the value planning attendees provides the most comprehensive description and analysis of the engineering aspects of the Practical Alternatives' interchanges.
- The bridge types have been reduced to two in each corridor: X-10A, X-10B and X11-C.
- Communications with those involved with shipping on the Detroit River have been stepped up. That should create a much more favorable climate to get a decision on the issue of allowing piers in the Detroit River.

- Efforts to deal with the Delray rail line have produced a response from NS which will lead to a meeting in February.
- Responses from CBP/GSA provide little serious guidance to screen the alternative plazas.

D. Upcoming Plans

- Continue to press the Lake Carriers Association members for a response on the issue of allowing piers in the Detroit River.
- Meet with Norfolk Southern on the Delray rail line.
- Complete the value planning workshop and prepare a report. Videotape the February 1 concluding session.
- Continue refinement of the Practical Alternatives and advance the new alternative interchange configuration (#14) to the same level of engineering detail as the other 13 options.
- Continue to press forward on the analysis of utility issues.
- Continue with the bridge evaluation now that the number of bridge types has been reduced.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Met with the Working Group and prepared to meet with the Steering Committee to discuss progress on seven key issues as they affect selection of a Preferred Alternative. These issues are brine wells; piers in the river; rail line in Delray; treatment of Sterling Marine Fuels; noise impacts in Sandwich Town, U.S. CBP/GSA comments; and, cost estimates of crossings/approaches.
- Prepared the first “Key Issues” progress reporting matrix.
- Prepared for a meeting with MDOT on February 14, 2007, to discuss the project’s impacts; present new impact information of a utility corridor, as well as impacts of the cross I-75 roadway; discuss the mitigation concepts; and, discuss alternative land use plans for Delray.
- Prepared for the next federal/state agencies meeting of March 14, 2007. Drafted agenda.
- Met with local neighborhood leaders to gain their impressions of the alternatives presented to them and the public in December.

B. Products

- Draft agenda for the March 14, 2007, federal/state agencies meeting.
- “Key Issues” program reporting matrix.

C. Task Evaluation

- The use of the “Key Issues” progress reporting matrix has focused the work so that a clear set of activities can be performed leading to selection of a Preferred Alternative.

D. Upcoming Plans

- Meet with MDOT on February 14, 2007, to review the impact assessment to date, as well as the preliminary and refined Delray land use plans.
- Finalize preparations for the March 14, 2007, federal/state agencies meeting.
- Refine the Delray land use plans and prepare to present those to the public in March.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Prepared input on hazardous material remediation for the value planning workshop.
- Began preparing graphics for use in the technical report and the DEIS.
- Continued interviews and site reconnaissance at properties with approved rights-of-entry.

B. Products

- Graphics for the DEIS and technical report.

C. Task Evaluation

- Progress has begun to pick up now that right-of-entry has been cleared with the City of Detroit.

D. Upcoming Plans

- Continue interviews and site reconnaissance work at properties with approved right-of-entry agreements.
- Work on the Project Area Contamination Survey Report and plan for preliminary site investigation.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work in this task has not been initiated.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Continued work on the technical report.

B. Products

- None, as none required.

C. Task Evaluation

- This task remains at 97 percent complete.

D. Upcoming Plans

- Continue working on the technical report.

TASK 19 (3320) – PHOTGRAMMETRIC CONTROL SURVEY

A. Work Progress

- Continued preparation of the Photogrammetric Control Survey Report.

B. Products

- None, as none required.

C. Task Evaluation

- This task remains at 95 percent complete.

D. Upcoming Plans

- Continue to work on the technical report.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Concluded all I-75 bridge underclearance diagrams.

B. Products

- Bridge underclearance diagrams.

C. Task Evaluation

- This task is 20 percent complete.

D. Upcoming Plans

- Complete the design surveying work report and the engineering analyses.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work has not been initiated on this task.

B. Products

- None as none required.

C. Task Evaluation

- Work in this task will be initiated once the preferred alternative is selected.

D. Upcoming Plans

- Await results of the structure studies to determine the scope of work of the scour analysis task.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Met with the City of Detroit on January 9th to gain permission to go forward with the deep drilling.
- Secured written approval to drill on the LeFarge property (2 holes), McCoig (1 hole), Renaissance Logistics (2 holes), Yellow Trucking (1 hole) is pending.
- Received written permission on the PVS Chemicals property without going to court.
- Advanced the appropriate documentation and public notice requirements for the March 22nd MDEQ hearing to eliminate the need for written permission to residential property owners within 300 feet of the PVS borehole.
- Finalized a cover memorandum on the Forward Modeling Report.
- Finalized March 27th as the date for the next Geo-Ad Group meeting.
- Finalized the Work Plan and the Communication Protocol for the deep drilling program.

- Participated on January 25th in a mock drill for evacuation purposes conducted by the City of Detroit.
- Received permission from the City of Detroit to drill Hole 10 on the Revere Copper property.
- Installed casings for six holes in preparation for the deep drilling.

B. Products

- Approval of right-of-entry to enter the one hole on the Revere Copper property site from the City of Detroit.
- Preparation of six of 14 holes for the deep drilling program.
- Daily progress reports and weekly summary reports of the deep drilling program.
- Finalized work plan and communications protocol.

C. Task Evaluation

- All City of Detroit requirements have been met so that the first hole can be drilled to demonstrate the procedures.
- The owner of the PVS agreed to allow deep drilling with court action.

D. Upcoming Plans

- Complete site preparation for seven of the last eight holes. Only the PVS hole will wait for MDEQ approval.
- Complete the drilling the first hole on the Revere Copper property. Complete drilling on three other holes.
- Compile daily reports of the deep drilling program.
- Compile weekly summary reports of the deep drilling program.
- Forward materials to the Geo-Ad Group on forward modeling. Prepare for the March 27th meeting.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Met with the Working Group and prepared to meet with the Steering Committee to discuss progress on seven key items and the system for selecting the Preferred Alternative.
- Completed the measurement of impacts of the utility corridor in the area of continued analysis.
- Completed the measurement of impacts of local access crossing north and south of I-75.

- Refined the concept for land use in Delray and integrated with the value planning and impact assessment information.
- Prepared for meeting with MDOT on February 14, 2007, to discuss the impacts of the utility corridor, the cross I-75 access corridor and the crossing components (interchange, plaza and bridge).

B. Products

- Impact assessment of the utility corridor and cross I-75 access corridor.
- Refinements to the Delray land use concept to prepare alternative plans in draft form.

C. Task Evaluation

- The work is beginning to focus on a key series of locations and issues for which mitigation may be required.

D. Upcoming Plans

- Meeting with MDOT on February 14, 2007, to discuss impacts, mitigation and alternative Delray land use plans.
- Refine the Practical Alternatives based on value planning.
- Meet with key local community interests to assess mitigation concepts.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

The schedule was updated in December 2006. The impacts are described in Section E.

E. ITEMS NEEDED FROM MDOT

- Final determination of the need to do underwater archaeological tests.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT

- At the following meetings:
 - ✓ January 11, 2007, pre-drilling meeting in the Delray community.
 - ✓ January 11, 2007, Working Group
 - ✓ January 16, 2007, Bridge-Type Study
 - ✓ January 19, 2007, Utilities review with MDOT
 - ✓ January 23, 2007, Core Team
 - ✓ January 29- February 1, 2007, Value Planning
 - ✓ January 31, 2007, Working Group
 - ✓ January 31, 2007, Local Advisory Council/Local Agency Group
 - ✓ January 31, 2007, Delray community meeting to tour various drilling sites and a meeting in the Delray Community Center to answer questions on the deep drilling program
- Daily e-mail and telephone conversations with the MDOT Project Manager.
- Two status reports.
- Monthly progress report.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Community Planning
First week of August 2006 ¹	First week of November 2006	13 Context Sensitive Design 3
Additional Task ^{1,2}	Second week of February 2007	14 Context Sensitive Design 4
Additional Task ^{1,2}	Second week of April 2007	15 Context Sensitive Design 5
Additional Task ^{1,2}	Second week of June 2007	16 Context Sensitive Design 6
Fourth week of July 2006 ^{1,2}	Last week of July 2007	17 Engineering Concepts Report
Second week of August 2006 ^{1,2}	Second week of November 2007	18 Preliminary DEIS
Fourth week of November 2006 ^{1,2}	Second week of November 2007	19 Public Hearing Script/Video
Second week of October 2006 ^{1,2}	Mid-October 2007	20 Draft DEIS
Second week of December 2006 ^{1,2}	End of December 2007	21 FHWA Approved DEIS
Second week of January 2007 ^{1,2}	Mid-January 2008	22 DEIS Public Hearing
Second week of April 2007 ^{1,2}	Mid-February 2008	23 Public Hearing Comment Summary
Fourth week of July 2007 ^{1,2}	Second week of April 2008	24 Recommended Alternative
Additional Task ^{1,2}	First week of April 2008	25 Public Meeting
Additional Task ^{1,2}	First week of June 2008	26 Public Meeting
Second week of December 2007 ^{1,2}	Last week of August 2008	27 Recommended Alternative Presentation
Fourth week of August 2007 ^{1,2}	Last week of August 2008	28 Final EIS
Fourth week of September 2007 ^{1,2}	Last week of October 2008	29 Final Engineering Report
Fourth week of November 2007 ^{1,2}	Last week of October 2008	30 MOU
Fourth week of December 2007 ^{1,2}	Last week of October 2008	31 Access Justification Report
Fourth week of December 2007 ^{1,2}	Last week of November 2008	32 ROD

¹ Revised in September 2006.² Revised in January 2007.

ATTACHMENT

H. CONTACT RECORDS

- Daily contact records, daily e-mails and conversations by phone and in person with the MDOT Project Manager and other MDOT/FHWA personnel.
- Two status reports.
- Monthly progress report.
- Notes of meetings of:
 - ✓ January 11, 2007, pre-drilling in the Delray community.
 - ✓ January 11, 2007, Working Group
 - ✓ January 16, 2007, Bridge-Type Study
 - ✓ January 19, 2007, Utilities review with MDOT
 - ✓ January 23, 2007, Core Team
 - ✓ January 29- February 1, 2007, Value Planning
 - ✓ January 31, 2007, Working Group
 - ✓ January 31, 2007, Local Advisory Council/Local Agency Group
 - ✓ January 31, 2007, Delray community meeting to tour t various drilling sites and a meeting in the Delray Community Center to answer questions of the deep drilling program
- Issues progress matrix.

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March 5, 2007

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

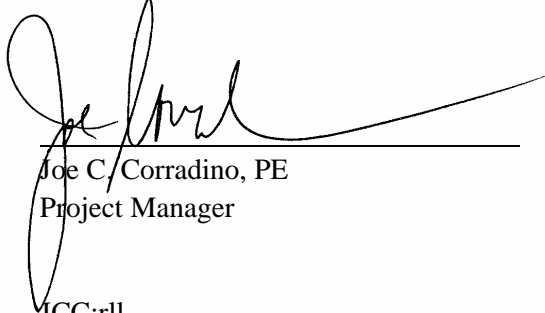
RE: DRIC EPE/EIS Project; Job No. 802330
TCG Project No. 3600 - Invoice No. 26 Progress Report

Dear Mohammed:

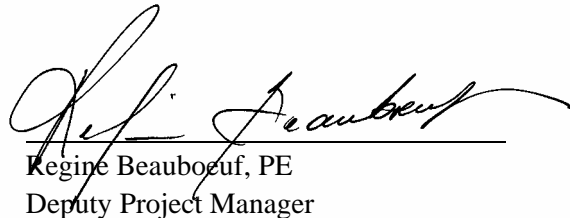
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 26 for February 2007. The invoice will be submitted under separate cover to Portia VanPelt.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:rl
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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
FEBRUARY 1 THROUGH FEBRUARY 28, 2007**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Prepared for and participated in the following meetings in February:
 - ✓ February 1 – With the Partnership Steering Committee.
 - ✓ February 14 – With MDOT to review impacts and mitigation data.
 - ✓ February 20 – With the Core Team.
 - ✓ February 22 – With the Working Group.
 - ✓ February 28 – With FHWA and MDOT to review the air quality approach on the project.
 - ✓ February 28 – With the Delray community on the drilling program.
 - ✓ February 28 – With the Local Advisory Council/Local Agency Group.
- Prepared notes for all of the above meetings.
- Prepared a mailer for door-to-door distribution in association with the March 21, 2007, public meeting on the DRIC.
- Prepared a video for airing on public access television in association with the March 21, 2007, meeting.
- Chose April 26, 2007, as the date for the next Context Sensitive Solutions workshop.
- Prepared a sample display and viewed it with the Local Advisory Council to present, throughout the community, graphics of the CSS Program.

B. Products

- Agendas and notes for the February meetings.
- Mailers for the February 28, 2007, Delray community meeting on drilling and the March 21, 2007, public meeting dealing with refinements/revisions to the alternatives.

C. Task Evaluation

- While LAC attendance was low in February, the participation of observers at the LAC meeting and before, at the discussion of the drilling program, was significant.

D. Upcoming Plans

- Prepare for and participate in the following meetings:
 - ✓ March 14 – With the state/federal agencies
 - ✓ March 14 – With the Propeller Club of America
 - ✓ March 19 – On Mega Projects Worldwide
 - ✓ March 20 – With the Core Team
 - ✓ March 21 – With the public on refinements/revisions to alternatives
 - ✓ March 28 – With the Working Group
 - ✓ March 28 – With the Delray community on drilling program
 - ✓ March 28 – With the LAC/LAG
- Air, on public access TV, the video invitation to the March 21, 2007, public meeting.
- Mail and distribute door-to-door in Delray the announcement of March 21, 2007, public meeting.
- Meet with key members of LAC prior to March 21, 2007, public meeting.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Documented the results of the three-nest logit model.
- Reported to the Core Team the results of the difference in tolls on the Ambassador or the proposed new DRIC Crossing.
- Prepared a micro-simulation calibration report for internal review.
- Continued micro-simulation analyses.

B. Products

- Memo on results of three-nest logit model.
- Internal draft of micro-simulation calibration report.

C. Task Evaluation

- The research on macro modeling is complete. The two-nest logit model will be used to create the lower bound of crossing volumes. A stated-preference survey will not be conducted.

- Diversion of attention to further consideration of whether a stated-preference survey can be conducted prevented work from being accomplished on finalizing crossing volumes for AM, PM and midday peaks by the user-equilibrium and two-nest logit models.

D. Upcoming Plans

- Prepare analyses using user-equilibrium and two-nest logit models range of forecasts (high and low, respectively) for AM, PM and midday peaks.
- Deliver micro-simulation calibration report to MDOT.
- Continue micro-simulation analyses.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- This task has been completed.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Began interviews with owners of active businesses.
- Notified the Local Advisory Council that a workshop for residential property owners would be held in the latter part of July 2007.
- Received a draft of the environmental justice bill being proposed in the U.S. Congress. It will replace the Executive Order, if passed.
- Received word that the Revere Copper property is for sale and likely will be sold to the Detroit/Wayne County Port Authority.
- Cooperated with the State of Michigan to prevent sale of properties it owns in Delray under the project footprint.

- Learned from the Canadians that noise impacts on Sandwich Towne are not “fatal flaws.”
- Refined the utility corridor to allow for an upgrade of the assessment of impacts of the plaza to include this utility area.
- Defined the “gateway boulevard” (cross-I-75 access) in terms of its impacts.
- Continued the recordation process for the East Delray portion of the project.
- Continued archaeological fieldwork.
- Began documentation of the field study findings and the artifacts collected.
- Continued drafting the Cultural Resources Technical Report.
- Continued to review literature on potential bird species that may be impacted by the project.
- Continued to record and document habitat requirements of animals likely to be present within the study area for use during April through June site inspections.
- Continued to review literature and prepare a draft report on urban wildlife that may be impacted by the project.
- Continued the analysis of impacts in the following areas: noise, flooding, water quality impacts, parks, EJ/Title-VI issues, indirect/cumulative effects, wetlands, and visual resources, etc.

B. Products

- Fieldwork results of the archeological testing.
- Measurement of impacts of “gateway boulevard” and utility area of plaza.

C. Task Evaluation

- The potential transfer of the Revere Copper property site to the Detroit/Wayne County Port Authority may complicate the placement of piers, if needed, on this property.
- The State of Michigan has indicated that it will put a hold on any transfer of properties that it owns in the focused analysis area of Delray under the project footprint.
- While the archaeological and cultural resources fieldwork is two-thirds complete, the cold weather in February caused the cessation of field studies because of the ground freeze (up to 18 inches).
- Some areas planned for mechanical testing for archeological resources will have to be tested by hand because of limited access of equipment as a result of fences and other obstructions.

D. Upcoming Plans

- Complete the update and prepare graphics of impacts associated with the refined plaza to accommodate utilities; the gateway boulevard (cross I-75 access); and, new interchanges that resulted from the value planning activities.
- Continue archeological deep testing.
- Continue documenting the cultural resources analysis.
- Continue documenting the induced demand analysis.
- Continue the analysis of air quality impacts.
- Prepare the air quality protocol.
- Continue the analysis of impacts in the following areas: threatened and endangered species; noise; flooding; water quality impacts; parks; EJ/Title-VI issues; indirect/cumulative impacts; wetlands; visual resources, etc.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- This task is complete.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Continued to prepare for the right-of-entry hearing on March 20, 2007, for Hole #15 with Michigan Department of Environmental Quality.
- Coordinated supplying the equipment for public safety purposes to the employees of Mistersky Power Plant as well as police and fire department personnel of the City of Detroit.
- Completed rotary borings on Holes #1, #10, #12 and #16.
- Performed down hole logging in Hole #10.
- Started, on the last day of February, drilling of Hole #2 (rotary) and Hole #7 (cored).
- Mobilized the geophysics team (Z-Seis and Dr. Turpening).
- Produced daily drilling field reports and weekly progress reports.
- Prepared for the March 27, 2007, Geo Advisory Group meeting by forwarding materials on the forward modeling results.
- Prepared a memo and discussed it with FHWA and MDOT dealing with cost containment of the deep drilling program.
- Prepared a memo on the analysis of noise associated with the deep drilling program. Provided it to MDOT.

B. Products

- Complete bore holes on #1, #10, #12 and #16.
- Begin cross well tomography data recording and analysis.
- Memo on cost containment of deep drilling program.
- Memo on noise associated with the deep drilling program.
- Daily drilling field reports.
- Weekly summary drilling progress reports.
- Health and safety equipment provided to City of Detroit personnel.

C. Task Evaluation

- Because of additional requirements of the City of Detroit, as well as a major error in the estimate by the drilling company for cored holes, the drilling program needs to be restructured to remain within budget. To move in that direction, a meeting was held among the consultant team and FHWA/MDOT on February 28, 2007. The immediate issue is elimination of rotary Hole #3 as well as converting two cored holes to rotary to contain costs within the most likely level of expenditure. Contingency items of eliminating of another rotary hole and converting one more rotary hole to a cored hole were also presented to address the “worst-case” scenario. The consultant team has indicated it is ready to meet with the Geo Advisory Group by telephone to address this matter. Action is needed in the near term if the cost of the program is to be contained within in the approved budget.
- Progress on the deep drilling program has been significant, with four holes done in the first 28 days and two new holes, including one cored hole, being started. Two rigs are now present on the site. Additionally, the cross well tomography team was on site to begin its work.

D. Upcoming Plans

- Continue the rotary and core hole drillings.
- Begin the cross well tomography data collection and analysis.
- Meet internally with the consultant team to determine the efficacy of the drilling program in light of modifications requested:
 - ✓ Immediate items: elimination of Hole #3 and conversion of two cored holes to rotary
 - ✓ Worst-case scenario: elimination of a second rotary hole and conversion of one more cored hole to rotary.
- Meet, by telephone, with the Geo Advisory Group to decide whether the proposed immediate cost containment measures (eliminate Hole #3 and convert two cored holes to rotary) can be approved.

- Compile daily reports on the deep drilling program and disseminate them.
- Compile weekly summary reports on the deep drilling program and disseminate them.
- Prepare for the March 27, 2007, Geo Advisory Group meeting, the agenda for which will include discussion of: 1) program overview (U.S. and Canada); 2) forward modeling results previously distributed; 3) preliminary cross well results; 4) cost containment of the worst-case scenario; 5) other issues; 6) next steps.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Concluded the value planning workshop on February 1, 2007.
- Began drafting the value planning workshop results.
- Received word from the U.S. Coast Guard and the Lake Carriers Association/Canadian Shippers Association that piers in the Detroit River are not acceptable options to constructing the new crossing.
- Met with Norfolk Southern railroad to discuss options for addressing the relationship between the Delray rail line and the proposed DRIC plaza.
- Continued refining the practical alternatives with respect to the plaza accommodation of utilities; new interchange/plaza configurations; and, the “gateway boulevard.”
- Cooperated with the Canadian team to develop, in both U.S. and Canadian dollars for both the 2006 and 2011, the end-to-end cost of the crossing system (U.S. interchange, plaza, and crossing with Canadian crossing, plaza and access road).
- Learned from the Canadian analysis that the bridge structure can be “hardened” to cross near/over Sterling Fuels.
- Received additional comments from U.S. Customs/General Services Administration.

B. Products

- Videotape of the final (February 1, 2007) session of the value planning workshop.
- Draft report on the value planning session.
- Refinement of the practical alternatives.

C. Task Evaluation

- Comments are needed on the Bridge-type Study from both Canadian and U.S. technical representatives of the client in order to advance the project.
- The position of “no bridge piers in the Detroit River” articulated by the U.S. Coast Guard and the Lake Carriers Association/Canadian Shippers Association was responded to by the Steering

Committee that the matter be discussed further with the Coast Guard and the lake shippers to understand the reasons behind the rejection of piers in the water. Additionally, a trip to the Coast Guard simulator station in Paducah, Ky., was recommended by the Steering Committee in order to get a more complete understanding, among all in the evaluation process, of whether piers in the Detroit River are really a significant issue as perceived by the U.S. Coast Guard and U.S./Canadian Shippers.

- The additional comments received on February 28, 2007, from CBP/GSA on the various DRIC plaza configurations are much more helpful than earlier comments. A memo will be drafted to further ask for clarification and respond to the comments made.
- Based upon input recently provided through the value planning workshop and the CBP/GSA comments on the various DRIC plaza configurations, the consultant team will begin to shape a proposal of which alternative plaza/interchange configurations are likely to continue in the analysis because they have the best opportunity of becoming “the preferred alternative.”

D. Upcoming Plans

- Press the U.S. Coast Guard for a meeting with it and the Lake Carriers Association/Canadian Shippers Association to discuss in more detail the issue of piers in the Detroit River.
- Press for a separate meeting with Norfolk Southern on the Delray rail line.
- Press CSX for a meeting on the Delray rail line.
- Complete the Bridge-type Study report once comments are received from technical representatives of the client and in light of the U.S. Coast Guard’s position that there will be no piers in the Detroit River.
- Complete documenting the value planning workshop following participation in a teleconference with MDOT.
- Continue refining the practical alternatives, including: a new alternative (No. 14); new interchanges; modification of the plaza for utilities; and, a gateway boulevard (cross-I-75 access).
- Continue to identify potential utilities conflicts and discuss them with the owners.
- Revise and update utility drawings, as required.
- Begin preparation of the schematic drawings and the utilities technical report.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Met with MDOT on February 14, 2007, to review the impact assessment, as well as the preliminary Delray land use plans. Also discussed the mitigation program concept.

- Finalized preparations for the March 14, 2007, federal/state agencies meetings.
- Met with the Working Group.
- Prepared to meet with the Steering Committee to discuss progress on seven key issues as they affect selection of Preferred Alternatives: brine wells; piers in the river; rail line in Delray; treatment of Sterling Marine Fuels; noise impacts in Sandwich Town; U.S. CBP/GSA comments; and, cost estimates of crossings/approaches. Progress on the above-stated items is reported in other sections of this report.
- Prepared “key issues” progress report matrix.

B. Products

- The “key issues” progress report (twice).

C. Task Evaluation

- Significant progress is being made on addressing the “key issues,” as reported in other sections of the progress report.

D. Upcoming Plans

- Participate in the March 14, 2007, federal/state agencies meeting. Discuss review time needed for draft DEIS.
- Meet with local neighborhood leaders to obtain their impressions of the information presented to them prior to the March public meeting.
- Refine the Delray land use plan and present it to the public in March.
- Prepare draft outline of all technical reports.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Prepared input on hazardous material remediation for the value planning workshop.
- Began preparing graphics for use in the technical report and the DEIS.

- Continued interviews and site reconnaissance at properties with approved rights-of-entry.

B. Products

- Graphics for the DEIS and technical report.

C. Task Evaluation

- Progress has begun to pick up now that right-of-entry has been cleared with the City of Detroit.

D. Upcoming Plans

- Continue interviews and site reconnaissance work at properties with approved right-of-entry agreements.
- Work on the Project Area Contamination Survey Report and plan for preliminary site investigation.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Work in this task has not been initiated.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Prepared electronic files to be included in the final mapping report.

B. Products

- Electronic files for inclusion in final mapping report.

C. Task Evaluation

- This task remains at 97 percent complete.

D. Upcoming Plans

- Continue working on the technical report.

TASK 19 (3320) – PHOTOGRAMMETRIC CONTROL SURVEY

A. Work Progress

- Continued preparing the Photogrammetric Control Survey Report.

B. Products

- None, as none required.

C. Task Evaluation

- This task remains at 95 percent complete.

D. Upcoming Plans

- Continue to work on the technical report.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Surveyed bore hole locations and elevations.

B. Products

- Survey data on bore hole locations and elevations.

C. Task Evaluation

- This task is 25 percent complete.

D. Upcoming Plans

- Complete the design surveying work report and the engineering analyses.
- Respond, as needed, to other field survey requests.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work in this area has not been initiated.

B. Products

- None, as none required.

C. Task Evaluation

- The recent position of the Coast Guard, in cooperation with the Lake of Carriers Association/ Canadian Shippers Association is there will be no piers allowed in the Detroit River. Work in this area will be postponed until final meetings are held with those entities to ensure that this position is final.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work in this task has not been initiated.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work has not been initiated on this task.

B. Products

- None as none required.

C. Task Evaluation

- Work in this task will be initiated once the preferred alternative is selected.

D. Upcoming Plans

- Await results of the structure studies to determine the scope of work of the scour analysis task.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Continued to prepare for the right-of-entry hearing on March 20, 2007, for Hole #15 with Michigan Department of Environmental Quality.
- Coordinated supplying the equipment for public safety purposes to the employees of Mistersky Power Plant as well as police and fire department personnel of the City of Detroit.
- Completed rotary borings on Holes #1, #10, #12 and #16.
- Performed down hole logging in Hole #10.
- Started, on the last day of February, drilling of Hole #2 (rotary) and Hole #7 (cored).
- Mobilized the geophysics team (Z-Seis and Dr. Turpening).
- Produced daily drilling field reports and weekly progress reports.
- Prepared for the March 27, 2007, Geo Advisory Group meeting by forwarding materials on the forward modeling results.
- Prepared a memo and discussed it with FHWA and MDOT dealing with cost containment of the deep drilling program.
- Prepared a memo on the analysis of noise associated with the deep drilling program. Provided it to MDOT.

B. Products

- Complete bore holes on #1, #10, #12 and #16.
- Begin cross well tomography data recording and analysis.
- Memo on cost containment of deep drilling program.
- Memo on noise associated with the deep drilling program.
- Daily drilling field reports.
- Weekly summary drilling progress reports.
- Health and safety equipment provided to City of Detroit personnel.

C. Task Evaluation

- Because of additional requirements of the City of Detroit, as well as a major error in the estimate by the drilling company for cored holes, the drilling program needs to be restructured to remain within budget. To move in that direction, a meeting was held among the consultant team and FHWA/MDOT on February 28, 2007. The immediate issue is elimination of rotary Hole #3 as well as converting two cored holes to rotary to contain costs within the most likely level of expenditure. Contingency items of eliminating of another rotary hole and converting one more

rotary hole to a cored hole were also presented to address the “worst-case” scenario. The consultant team has indicated it is ready to meet with the Geo Advisory Group by telephone to address this matter. Action is needed in the near term if the cost of the program is to be contained within in the approved budget.

- Progress on the deep drilling program has been significant, with four holes done in the first 28 days and two new holes, including one cored hole, being started. Two rigs are now present on the site. Additionally, the cross well tomography team was on site to begin its work.

D. Upcoming Plans

- Continue the rotary and core hole drillings.
- Begin the cross well tomography data collection and analysis.
- Meet internally with the consultant team to determine the efficacy of the drilling program in light of modifications requested:
 - ✓ Immediate items: elimination of Hole #3 and conversion of two cored holes to rotary
 - ✓ Worst-case scenario: elimination of a second rotary hole and conversion of one more cored hole to rotary.
- Meet, by telephone, with the Geo Advisory Group to decide whether the proposed immediate cost containment measures (eliminate Hole #3 and convert two cored holes to rotary) can be approved.
- Compile daily reports on the deep drilling program and disseminate them.
- Compile weekly summary reports on the deep drilling program and disseminate them.
- Prepare for the March 27, 2007, Geo Advisory Group meeting, the agenda for which will include discussion of: 1) program overview (U.S. and Canada); 2) forward modeling results previously distributed; 3) preliminary cross well results; 4) cost containment of the worst-case scenario; 5) other issues; 6) next steps.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Met with MDOT on February 14, 2007, to discuss impacts mitigation and alternative Delray land use.
- Refined the practical alternatives and measured impacts based on output of value planning work.
- Began documenting, in graphic form, the additional impacts information for presentation to the public at a March 21, 2007, public meeting.

B. Products

- Continued impact assessment of: the expanded plaza that will accommodate utilities; cross-I-75 access; and, refinements as a result of the value planning workshop.
- Delay land use concepts to present at the March 21, 2007, public meeting.

C. Task Evaluation

- This work continues to refine the impacts and move towards a preferred crossing system.

D. Upcoming Plans

- Meet with several LAC members to assess their response to the preliminary Delray land use plans.
- Prepare for and participate in the March 21, 2007, public meeting to discuss impacts, mitigation and alternative Delray land use plans.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

The schedule was updated in December 2006. The impacts are described in Section E.

E. ITEMS NEEDED FROM MDOT

- Final determination of the need to do underwater archaeological tests.
- Teleconference with Geo Advisory Group.
- Meeting with MDOT Geometrics to finalize Value Planning Report.
- Review comments on Bridge-type Study.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT

- At the following meetings:
 - ✓ February 1 – With Partnership and the Steering Committee.
 - ✓ February 14 – With MDOT to review impact and mitigation data.
 - ✓ February 20 – With the Core Team.
 - ✓ February 22 – With the Working Group.
 - ✓ February 28 – With the FHWA and MDOT to review the air quality approach.
 - ✓ February 28 – With the Delray community on the drilling program.
 - ✓ February 28 – With the Local Advisory Council/Local Agency Group.
- Daily e-mail and telephone conversations with the MDOT Project Manager.
- Two status reports.

- Two “key issues” matrixes.
- Monthly progress report.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Community Planning
First week of August 2006 ¹	First week of November 2006	13 Context Sensitive Design 3
Additional Task ^{1,2}	Second week of February 2007	14 Context Sensitive Design 4
Additional Task ^{1,2}	Second week of April 2007	15 Context Sensitive Design 5
Additional Task ^{1,2}	Second week of June 2007	16 Context Sensitive Design 6
Fourth week of July 2006 ^{1,2}	Last week of July 2007	17 Engineering Concepts Report
Second week of August 2006 ^{1,2}	Second week of November 2007	18 Preliminary DEIS
Fourth week of November 2006 ^{1,2}	Second week of November 2007	19 Public Hearing Script/Video
Second week of October 2006 ^{1,2}	Mid-October 2007	20 Draft DEIS
Second week of December 2006 ^{1,2}	End of December 2007	21 FHWA Approved DEIS
Second week of January 2007 ^{1,2}	Mid-January 2008	22 DEIS Public Hearing
Second week of April 2007 ^{1,2}	Mid-February 2008	23 Public Hearing Comment Summary
Fourth week of July 2007 ^{1,2}	Second week of April 2008	24 Recommended Alternative
Additional Task ^{1,2}	First week of April 2008	25 Public Meeting
Additional Task ^{1,2}	First week of June 2008	26 Public Meeting
Second week of December 2007 ^{1,2}	Last week of August 2008	27 Recommended Alternative Presentation
Fourth week of August 2007 ^{1,2}	Last week of August 2008	28 Final EIS
Fourth week of September 2007 ^{1,2}	Last week of October 2008	29 Final Engineering Report
Fourth week of November 2007 ^{1,2}	Last week of October 2008	30 MOU
Fourth week of December 2007 ^{1,2}	Last week of October 2008	31 Access Justification Report
Fourth week of December 2007 ^{1,2}	Last week of November 2008	32 ROD

¹ Revised in September 2006.² Revised in January 2007.

ATTACHMENT

H. CONTACT RECORDS

- Daily contact records, daily e-mails and conversations by phone and in person with the MDOT Project Manager and other MDOT/FHWA personnel.
- Two status reports.
- Two “key issues” matrices.
- Monthly progress report.
- Notes of meetings of:
 - ✓ February 1 – With the Partnership Steering Committee.
 - ✓ February 14 – With MDOT to review impacts and mitigation data.
 - ✓ February 20 – With the Core Team.
 - ✓ February 22 – With the Working Group.
 - ✓ February 28 – With FHWA and MDOT to review the air quality approach on the project.
 - ✓ February 28 – With the Delray community on the drilling program.
 - ✓ February 28 – With the Local Advisory Council/Local Agency Group.

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April 2, 2007

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

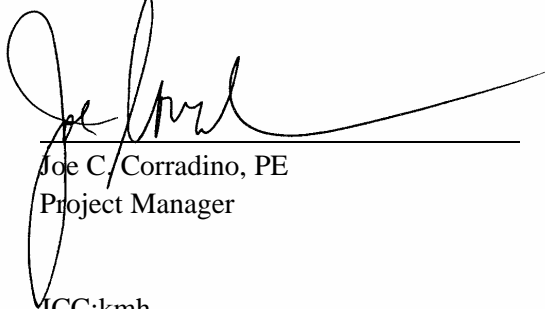
RE: DRIC EPE/EIS Project; Job No. 802330
TCG Project No. 3600 - Invoice No. 27 Progress Report

Dear Mohammed:

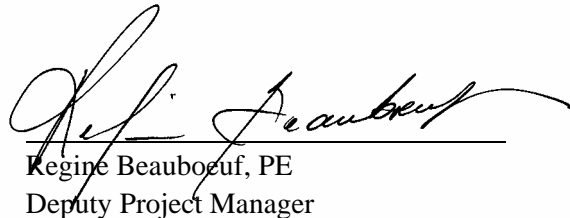
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 27 for March 2007. The invoice will be submitted under separate cover to Portia VanPelt.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:kmh
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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
MARCH 1 THROUGH MARCH 31, 2007**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Prepared for and participated in the following meetings in March:
 - ✓ March 1 – With the Steering Committee.
 - ✓ March 14 – With the state/federal agencies.
 - ✓ March 19 – With the U.S. State Department and other border crossing teams on the Presidential Permit draft guidelines.
 - ✓ March 20 – With the Core Team.
 - ✓ March 21 – With the public on refinements/revisions to alternatives.
 - ✓ March 26 – With the Detroit City Council.
 - ✓ March 27 – With the Geotechnical Advisory Group.
 - ✓ March 28 – With the Delray community on the drilling program.
 - ✓ March 28 – With the LAC/LAG.
 - ✓ March 29 – With the Working Group.
- Prepared notes for all of the above meetings.
- Aired on public-access TV the video invitation to the March 21, 2007, public meeting.
- Mailed and distributed door-to-door in Delray the announcement of the March 21, 2007, public meeting.
- Met with key members of the LAC (Mrs. Leonard and John and David Nagy) prior to the public meeting on March 21, 2007, to review the Delray land use concepts.
- Prepared displays on the CSS and land use concepts for Delray and placed them in seven public venues in Delray/Southwest Detroit.
- Prepared a mailer for the April 25, 2007, drilling meeting for the Delray community.

- Prepared a mailer for the April 26, 2007, Context Sensitive Solutions public meeting.
- Prepared for the April 26, 2007, public meeting on Context Sensitive Solutions.

B. Products

- Agendas, notes and presentation materials for the March meetings.
- Mailers for the Delray community meeting on drilling and the March 21, 2007, public meeting dealing with refinements/revisions to the alternatives.

C. Task Evaluation

- The attendance at the March 21, 2007, public meeting was more than 100, and there were many new faces. This is another sign that the community's interest in the border crossing project is being maintained at a high level.

D. Upcoming Plans

- Prepare for and participate in the following meetings:
 - ✓ April 5 – With the consultant team.
 - ✓ April 10 – With the Detroit St. Claire River Operating Group
 - ✓ April 11 – With Norfolk Southern on the Delray rail line.
 - ✓ April 17 – With the Core Team.
 - ✓ April 25 – With the Delray community on the drilling program.
 - ✓ April 25 – With the LAC/LAG.
 - ✓ April 26 – With the public on Context Sensitive Solutions.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Submitted to MDOT the VISSIM model calibrated to existing conditions without, and then with, the Gateway Project for the morning, midday, and afternoon peak hours.
- Continued responding to the Model Task Force comments on the nested logit model.

B. Products

- A CD containing the video simulation and the VISSIM files on the calibration of the microsimulation model.

C. Task Evaluation

- Further analysis of the microsimulation analysis requires feedback from MDOT on the calibration results.
- In responding to the comments made by the Modeling Task Force on the logit model, particularly as it relates to what is known as “scaling,” the U.S. consultant team realized that the two-nest logit model developed by IBI, the Canadian consultant, was not calibrated to existing conditions, but rather to the results of the TransCAD model, for the split between the Port Huron/Sarnia area and the Windsor/Detroit area. As a result, considerable time has been spent redoing the two-nest and the three-nest logit models to ensure that the documentation is correct.

D. Upcoming Plans

- Begin the future microsimulation analyses, provided MDOT’s comments are received on the calibration process.
- Complete updating the two-nest and three-nest logit models. Revise previously-submitted reports.
- Begin model runs for 2015 to be then interpolated to 2013 for the Practical Alternatives.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- This task has been completed.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Completed updating and preparing graphics of impacts associated with the refined plaza to accommodate utilities; the gateway boulevard (cross-I-75 access); and, new interchanges that resulted from value planning activities.
- Participated in the March 14, 2007, federal/state agencies meeting. Presented the draft DEIS outline and solicited input.
- Continued documenting the induced demand analysis.
- Developed the air quality analysis protocol.
- Resumed the archaeological fieldwork on March 26, 2007.
- Began documenting field study findings and minor artifact collections.
- Prepared an outline of the wetland delineation technical report.
- Prepared an outline of the technical reports on threatened and endangered species, wildlife assessment and migratory bird assessment.
- Reviewed the project area for wildlife and migratory birds (early spring assessment).
- Prepared the outline for the technical report on coastal zone issues.
- Began the business-owner property interviews to determine relocation needs (not to begin the acquisition process).
- Continued the analysis of impacts in the following areas: noise, flooding, water quality, parks, EJ/Title VI issues, indirect/cumulative effects, wetlands, visual resources, etc.
- Monitored seven key issues as they affect the selection of preferred alternatives: brine wells, piers in the river, rail line in Delray, treatment of Sterling Marine Fuels, noise impacts in Sandwich Towne, U.S. CBP/GSA comments, and cost estimates of crossings/approaches.
- Requested extension of the right-to-enter City property beyond the April 30, 2007, deadline.

B. Products

- Draft DEIS outline.
- Outlines for internal review, and eventual delivery to the client in April, of various technical reports to support the DEIS.

- Draft air quality protocol.
- The “key issues” matrix (twice).

C. Task Evaluation

- Additional archaeological investigations are being planned for the Revere Copper property, where impacts were encountered during the first trenching efforts.
- Future archaeological work is now restricted to those properties for which current access has been provided. In a few cases, contact with the owners of record indicated that the property had been sold and that the new owners would not allow access. A record of these contacts is now being made.
- The City of Detroit provided, on March 31, 2007, a list of properties which are intended for transfer from the City to non-City parties. The objective of providing a list was to determine the implications of any of those properties as they relate to the border crossing system.

D. Upcoming Plans

- Finalize the technical report outlines and provide to MDOT.
- Continue documenting the cultural resources analysis.
- Continue documenting the induced demand analysis.
- Continue the assessment of the project area via aerial photography to identify sites that may require wetland delineation and wetland functional assessment for inspections in the April to June period.
- Review the draft air quality protocol with the various agencies.
- Update the key issues matrix.
- Continue the analysis of impact in the following areas: threatened and endangered species, noise, flooding, water quality impacts, parks, EJ/Title VI issues, indirect/cumulative impacts, wetlands, visual resources, etc.
- Receive extension of the right-to-enter City property beyond the April 30, 2007, deadline.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- This task is complete.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Completed six additional rotary holes.
- Conducted preliminary cross well tomography among Holes #10, #12 and #6.
- Met, by telephone, with the Geotechnical Advisory Group and received approval on March 13, 2007, to eliminate Hole #3 and convert two core holes to rotary.
- Met with the Geotechnical Advisory Group on March 27, 2007, to review progress on the geotechnical program.
- Provided information on March 29, 2007, and met, by telephone, on March 30, 2007, with the Geotechnical Advisory Group to receive approval of the partial coring of Hole #11. Updated the drilling procedure based on the collaboration.
- Prepared two cost containment reports dealing with the drilling program.
- Compiled daily reports on the deep drilling program and disseminated them.
- Compiled weekly summary reports on the deep drilling program and disseminated them.
- Attended the public hearing with MDEQ on March 20, 2007.
- Met with the community on March 28, 2007, to review the drilling program.
- Re-requested extension of the right-to-enter City property beyond the April 30, 2007, deadline.

B. Products

- Six rotary holes.
- Two cost containment reports on procedures to adjust the drilling program to remain within budget.
- Daily reports on progress on the drilling program.
- Weekly summary reports on the deep drilling program.
- Materials for teleconferences with the Geotechnical Advisory Group on March 13, 2007, and March 30, 2007.
- Materials for the March 20, 2007, MDEQ public hearing.
- Materials for the March 27, 2007, Geotechnical Advisory Group meeting.

C. Task Evaluation

- The deep drilling/geotechnical program has a budget that is capped. As a result, cost is regularly monitored and, in order to contain the costs, two reports have been written. The items to adjust the program have been vetted with the Geotechnical Advisory Group and approved. This includes eliminating Hole #3 (rotary hole), converting two cored holes to rotary holes, and partially core drilling Hole #11.
- The hearing with MDEQ has been successful per the information provided by staff who have prepared a report that permits drilling on Hole #15.
- Water with high pH content was maintained in a Frac tank and then froze in early February. MDEQ visited the site and issued notice of a warning on March 13, 2007, that this practice was consistent with a large quantity generator of hazardous material. The consultant team prepared documentation consistent with MDEQ's request for responding to the warning. That response will be delivered from MDOT, which was cited in the warning, on or before April 13, 2007.

D. Upcoming Plans

- Complete Cored Hole #7 and Rotary Holes #14 and #15.
- Begin work on Hole #11, which is to be a partially-cored hole.
- Meet with the community on April 25, 2007, to report on the drilling program.
- Meet, by telephone, with the Geotechnical Advisory Group to continue monitoring progress on Hole #11.
- Compile daily reports on the deep drilling program and disseminate them.
- Compile weekly summary reports on the deep drilling program and disseminate them.
- Conduct additional cross well tomography.
- Receive extension of the right-to-enter City property beyond the April 30, 2007, deadline.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Prepared a letter to GSA/CBP reacting/responding to their comments on the various plaza alternatives.
- Participated in discussions at the Working Group meeting on the possibility that the U.S. Coast Guard would change its mind and allow piers in the Detroit River.
- Cooperated with the Canadians in refining the end-to-end cost estimates of the crossing system.
- Set a meeting with Norfolk Southern on April 11, 2007, to discuss the Delray rail line.

- Pressed, unsuccessfully, CSX for a date certain for a meeting in April to discuss the Delray rail line.
- Continued refining the Practical Alternatives.
- Continued to identify utility conflicts and discuss them with the owner.
- Provided and updated utility drawings as required to prepare schematic drawings and the utilities technical report.
- Developed a preliminary schedule of the governance activities' effect on the environmental process as well subsequent project phases dealing with design, property acquisition and construction.

B. Products

- Response to GSA/CBP on its comments on various DRIC plaza alternatives.
- Refinement of the practical alternatives for presentation at the March 21, 2007, public meeting.
- Cooperation with the Canadian consulting team to allocate the upcoming bridge analysis work.
- A preliminary schedule of governance activities.

C. Task Evaluation

- Comments are still needed on the Bridge-type Study from the Canadian agencies. This is a matter that will soon become a problem in advancing the project.
- The position of “no bridge piers in the Detroit River” articulated by the U.S. Coast Guard continues to be an item of contention. Further meetings are required by the Canadian team to address this issue, if not reverse the position.
- Comments by the Coast Guard (Bob Bloom) to FWHA (Jim Kirchensteiner) make it clear that the U.S. Coast Guard will not reverse its position.
- A meeting is needed with MDOT's Geometrics Group to review the value planning work in light of the concerns that may exist on proposed new geometry of two interchanges developed through value planning.
- A meeting is needed with GSA/CBP to further collaborate on the various plaza options and refinements that may be necessary.

D. Upcoming Plans

- Combine the information provided by GSA/CBP, the value planning workshop, the preliminary assessment of impacts, as well as the public, to prepare a memorandum that addresses the possible elimination of various interchange and plaza alternatives.

- Proceed with further bridge analysis, provided comments are received from the Canadians on the Bridge-type Study report.
- Meet with MDOT's Geometrics group to discuss the various developments/changes that resulted from the value planning activities.
- Meet with Norfolk Southern on April 11, 2007, to discuss the rail line in Delray.
- Cooperate with the Canadians to finalize the end-to-end cost estimates of the project.
- Prepare schematic drawings of the utilities and a technical memorandum associated with them.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Participated in the March 14, 2007, federal/state agencies meeting. Presented the draft DEIS outline and solicited input.
- Refined the Delray land use alternative plans and presented them to the public in March.
- Began developing the draft outlines of all technical reports to be delivered to the client in April.
- Monitored seven key issues as they affect the selection of preferred alternatives: brine wells, piers in the river, rail line in Delray, treatment of Sterling Marine Fuels, noise impacts in Sandwich Towne, U.S. CBP/GSA comments, and cost estimates of crossings/approaches.

B. Products

- The “key issues” matrix (twice).
- Draft and updated preliminary DEIS outline.

C. Task Evaluation

- The federal/state agencies meeting of March 14, 2007, provided significant input for the advancement of the project.

D. Upcoming Plans

- Update the DEIS outline.
- Finalize outlines for each technical report and provide those to MDOT.
- Continue to collaborate with the community as it relates to various aspects of the project, particularly the land use plans for Delray and CSS elements.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Continued interviews and site reconnaissance work at properties with approved right-of-entry agreements.
- Worked on the Project Area Contamination Survey Report and planned for preliminary site investigation.
- Requested and gained Right-of-Entry to four more city properties for examination.

B. Products

- Draft outline of Initial Site Assessment technical report.

C. Task Evaluation

- Progress continues to pick up now that right-of-entry has been cleared with the City of Detroit.

D. Upcoming Plans

- Continue interviews and site reconnaissance work at properties with approved right-of-entry agreements.
- Work on the Project Area Contamination Survey Report and plan for preliminary site investigation.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Prepared draft outline of Preliminary Site Investigation Report.

B. Products

- Draft outline of Preliminary Site Investigation Report.

C. Task Evaluation

- Work will proceed based on the Initial Site Assessment results.

D. Upcoming Plans

- Await results of Initial Site Assessment.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Separated electronic files by phases to be included in the mapping draft report segments dealing with Phases 1 and 2 of the aerial topographic mapping.

B. Products

- None, as none required.

C. Task Evaluation

- This task is 99 percent complete.

D. Upcoming Plans

- Complete the reports for MDOT.

TASK 19 (3320) – PHOTOGRAMMETRIC CONTROL SURVEY

A. Work Progress

- Continued preparing the Photogrammetric Control Survey Report.

B. Products

- None, as none required.

C. Task Evaluation

- This task remains at 95 percent complete.

D. Upcoming Plans

- Continue to work on the technical report.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Completed survey of drill hole locations and elevations.
- Verified drill hole locations with structure/building.

B. Products

- Spreadsheet of drill hole coordinates and elevations.

C. Task Evaluation

- This task is 30 percent complete.

D. Upcoming Plans

- Continue work on survey report.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work in this area has not been initiated.

B. Products

- None, as none required.

C. Task Evaluation

- Comments by the Coast Guard (Bob Bloom) to FWHA (Jim Kirchensteiner) make it clear that the U.S. Coast Guard will not reverse its position and that, no matter what another agency/group may say to anyone in the DRIC process on the acceptability of piers in the river, the Coast Guard has made it clear that it is the Coast Guard's call on whether piers will be permitted in the Detroit River.

D. Upcoming Plans

- Continue to monitor developments on the Canadian side regarding piers in the river.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work in this task has not been initiated.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work has not been initiated on this task.

B. Products

- None as none required.

C. Task Evaluation

- Work in this task will be initiated once the preferred alternative is selected.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Completed six additional rotary holes.
- Conducted preliminary cross well tomography among Holes #10, #12 and #6.

- Met, by telephone, with the Geotechnical Advisory Group and received approval on March 13, 2007, to eliminate Hole #3 and convert two core holes to rotary.
- Met with the Geotechnical Advisory Group on March 27, 2007, to review progress on the geotechnical program.
- Provided information on March 29, 2007, and met, by telephone, on March 30, 2007, with the Geotechnical Advisory Group to receive approval of the partial coring of Hole #11.
- Prepared two cost containment reports dealing with the drilling program.
- Compiled daily reports on the deep drilling program and disseminated them.
- Compiled weekly summary reports on the deep drilling program and disseminated them.
- Attended the public hearing with MDEQ on March 20, 2007.
- Met with the community on March 28, 2007, to review the drilling program.
- Request extension of the right-to-enter City property beyond the April 30, 2007, deadline.

B. Products

- Six rotary holes.
- Two cost containment reports on procedures to adjust the drilling program to remain within budget.
- Daily reports on progress on the drilling program.
- Weekly summary reports on the deep drilling program.
- Materials for teleconferences with the Geotechnical Advisory Group on March 13, 2007, and March 30, 2007.
- Materials for the March 20, 2007, MDEQ public hearing.
- Materials for the March 27, 2007, Geotechnical Advisory Group meeting.

C. Task Evaluation

- The deep drilling/geotechnical program has a budget that is capped. As a result, cost is regularly monitored and, in order to contain the costs, two reports have been written. The items to adjust the program have been vetted with the Geotechnical Advisory Group and approved. This includes eliminating Hole #3 (rotary hole), converting two cored holes to rotary holes, and partially core drilling Hole #11.
- The meeting with MDEQ has been successful per the information provided by staff in writing a report that permits drilling on Hole #15.

- Water with high pH content was maintained in a Frac tank and then froze in early February. MDEQ visited the site and issued notice of a warning on March 13, 2007, that this practice was consistent with a large quantity generator of hazardous material. The consultant team prepared a report consistent with MDEQ's request responding to the warning. That response will be delivered from MDOT, which was cited in the warning, on or before April 13, 2007.

D. Upcoming Plans

- Complete Cored Hole #7 and Rotary Holes #14 and #15.
- Begin work on Hole #11, which is to be a partially-cored hole.
- Meet with the community on April 25, 2007, to report on the drilling program.
- Meet, by telephone, with the Geotechnical Advisory Group to continue monitoring progress on Hole #11.
- Compile daily reports on the deep drilling program and disseminate them.
- Compile weekly summary reports on the deep drilling program and disseminate them.
- Conduct additional cross well tomography.
- Receive extension of the right-to-enter City property beyond the April 30, 2007, deadline.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Met with several LAC members to assess their response to the preliminary Delray land use plans.
- Prepared for and participated in the March 21, 2007, public meeting to discuss impacts, mitigation and alternative Delray land use plans.

B. Products

- Materials for the March 21, 2007, public meeting.

C. Task Evaluation

- This work continues to refine the impacts and move towards a preferred crossing system.

D. Upcoming Plans

- Engage the community in the April 26, 2007, CSS workshop.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

The schedule was updated in December 2006. The impacts are described in Section E.

E. ITEMS NEEDED FROM MDOT

- Meeting with MDOT Geometrics to finalize Value Planning Report.
- Review comments from Canadians on Bridge-type Study.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT

- At the following meetings:
 - ✓ March 1 – With the Steering Committee.
 - ✓ March 14 – With the state/federal agencies.
 - ✓ March 19 – With the U.S. State Department and other border crossing teams on the Presidential Permit draft guidelines.
 - ✓ March 20 – With the Core Team.
 - ✓ March 21 – With the public on refinements/revisions to alternatives.
 - ✓ March 26 – With the Detroit City Council.
 - ✓ March 27 – With the Geotechnical Advisory Group.
 - ✓ March 28 – With the Delray community on the drilling program.
 - ✓ March 28 – With the LAC/LAG.
 - ✓ March 29 – With the Working Group.
- Daily e-mail and telephone conversations with the MDOT Project Manager.
- Three status reports.
- Two “key issues” matrixes.
- Monthly progress report.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Community Planning
First week of August 2006 ¹	First week of November 2006	13 Context Sensitive Design 3
Additional Task ^{1,2}	Second week of February 2007	14 Context Sensitive Design 4
Additional Task ^{1,2}	Second week of April 2007	15 Context Sensitive Design 5
Additional Task ^{1,2}	Second week of June 2007	16 Context Sensitive Design 6
Fourth week of July 2006 ^{1,2}	Last week of July 2007	17 Engineering Concepts Report
Second week of August 2006 ^{1,2}	Second week of August 2007	18 Preliminary DEIS
Fourth week of November 2006 ^{1,2}	Second week of November 2007	19 Public Hearing Script/Video
Second week of October 2006 ^{1,2}	Mid-October 2007	20 Draft DEIS
Second week of December 2006 ^{1,2}	End of December 2007	21 FHWA Approved DEIS
Second week of January 2007 ^{1,2}	Mid-January 2008	22 DEIS Public Hearing
Second week of April 2007 ^{1,2}	Mid-February 2008	23 Public Hearing Transcript Comment Summary
Fourth week of July 2007 ^{1,2}	Second week of April 2008	24 Recommended Alternative
Additional Task ^{1,2}	First week of April 2008	25 Public Meeting
Additional Task ^{1,2}	First week of June 2008	26 Public Meeting
Second week of December 2007 ^{1,2}	Last week of August 2008	27 Recommended Alternative Presentation
Fourth week of August 2007 ^{1,2}	Last week of August 2008	28 Final EIS
Fourth week of September 2007 ^{1,2}	Last week of October 2008	29 Final Engineering Report
Fourth week of November 2007 ^{1,2}	Last week of October 2008	30 MOU
Fourth week of December 2007 ^{1,2}	Last week of October 2008	31 Access Justification Report (signature after ROD signature)
Fourth week of December 2007 ^{1,2}	Last week of November 2008	32 ROD

¹ Revised in September 2006.² Revised in January 2007.

ATTACHMENT

H. CONTACT RECORDS

- Daily contact records, daily e-mails and conversations by phone and in person with the MDOT Project Manager and other MDOT/FHWA personnel.
- Three status reports.
- Two “key issues” matrices.
- Monthly progress report.
- Notes of meetings of:
 - ✓ March 1 – With the Steering Committee.
 - ✓ March 14 – With the state/federal agencies.
 - ✓ March 19 – With the U.S. State Department and other border crossing teams on the Presidential Permit draft guidelines.
 - ✓ March 20 – With the Core Team.
 - ✓ March 21 – With the public on refinements/revisions to alternatives.
 - ✓ March 26 – With the Detroit City Council.
 - ✓ March 27 – With the Geotechnical Advisory Group.
 - ✓ March 28 – With the Delray community on the drilling program.
 - ✓ March 28 – With the LAC/LAG.
 - ✓ March 29 – With the Working Group.

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May 7, 2007

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

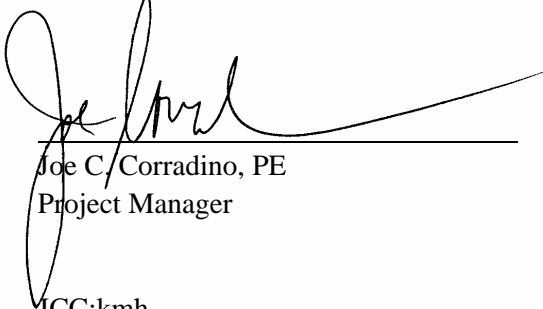
RE: DRIC EPE/EIS Project; Job No. 802330
TCG Project No. 3600 - Invoice No. 28 Progress Report

Dear Mohammed:

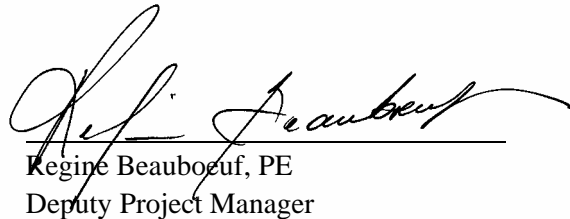
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 28 for April 2007. The invoice will be submitted under separate cover to Portia VanPelt.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboeuf, PE
Deputy Project Manager

JCC:kmh
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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
APRIL 1 THROUGH APRIL 30, 2007**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Prepared for and participated in the following meetings in April:
 - ✓ April 2 – With the Geotechnical Advisory Group (by teleconference).
 - ✓ April 4 – With U.S. and Canadian Great Lakes Pilots.
 - ✓ April 10 – With the Detroit-St. Clair River Operating Group.
 - ✓ April 11 – With Norfolk Southern.
 - ✓ April 12 – With the Working Group
 - ✓ April 13 – With the Fort Street Business Association.
 - ✓ April 16 – With the Detroit Water and Sewer Department.
 - ✓ April 17 – With the Core Team.
 - ✓ April 18 – With City Planning Commission.
 - ✓ April 25 – With the Delray Community on the drilling program.
 - ✓ April 25 – With the LAC/LAG.
 - ✓ April 26 – With the public on Context Sensitive Solutions.
 - ✓ April 26 – With the Working Group.
- Prepared notes for all of the above meetings.
- Aired on public-access TV the video invitation to the April 26, 2007, Context Sensitive Solutions public meeting.
- Mailed 10,000 invitations and distributed door-to-door in Delray the announcement of the April 26, 2007, CSS public meeting.

B. Products

- Agendas, notes and presentation materials for the April meetings.
- Video invitation.
- Mailers for the Delray community meeting on drilling on April 25th and the public mailing meeting dealing with Context Sensitive Solutions on April 26th.

C. Task Evaluation

- The attendance at the April 26, 2007, public meeting was more than 80 and, again, there were many new participants in the meeting. This is a continuing sign of the community's engagement in the DRIC process after 2 ½ years.
- The April 26th community meeting in Delray on drilling was the last, as deep drilling was complete in early April.

D. Upcoming Plans

- Prepare for and participate in the following meetings:
 - ✓ May 3 – With the Steering Committee.
 - ✓ May 8 – With Mrs. Leonard, Principal Hodge and others dealing with the Delray Land Use Plan.
 - ✓ May 15 – With FHWA on land acquisition issues.
 - ✓ May 17 – With CBP/GSA on plaza issues (by teleconference).
 - ✓ May 22 – With the Core Team.
 - ✓ May 30 – With the LAC/LAG.
 - ✓ May 31 – With the Working Group.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Reviewed comments from MDOT on the VISSIM model and began revisions to the report.
- Drafted a working paper dealing with the sensitivity of the single-logit and nested-logit models.
- Updated the two-nest logit and nested-logit models and the three-nest logit model.

B. Products

- Internal draft of paper on sensitivity of single-logit and nested-logit models.

C. Task Evaluation

- The detailed coding of interchanges and plazas, when applied in the single-logit model, shows significant sensitivity to small changes (40 to 90 seconds) in travel time. The two-nest logit model is less sensitive, creating a more even split between competing river crossings.

D. Upcoming Plans

- Complete updating the two-nest logit model and submit a paper on its use and comparison to the traffic assignments with the single-logit model.
- Update the microsimulation report.
- Continue the microsimulation work based upon the refined assignments.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- This task has been completed.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Received the extension of the rights-to-enter city property beyond the April 30th deadline for all activities including drilling-related matters.
- Revised the draft air quality protocol and distributed it through FHWA/Lansing to other FHWA participants.
- Completed the above- and below-ground cultural resources fieldwork.

- Finalized the technical report and DEIS outlines following MDOT review and updated them.
- Continued to draft technical reports in the following areas:
 - ✓ Traffic Analysis
 - ✓ Induced Demand
 - ✓ Air Quality and Traffic Analysis
 - ✓ Community Inventory
 - ✓ Indirect and Cumulative Impacts Analysis
 - ✓ Cultural Analysis/Archeological Investigations
 - ✓ Cultural Analysis/Above-Ground Investigation
 - ✓ Initial Site Assessment/Preliminary Site Investigation (Contamination)
 - ✓ Noise and Vibration Studies
 - ✓ Deep Drilling/Geotechnical Analysis Program
- Postponed fieldwork on wetlands because of very cold weather in the first ten days of April.

B. Products

- Updated DEIS and Technical Report outlines.
- Revised Air Quality Protocol.

C. Task Evaluation

- Receipt of right-of-entry for hazardous material and in-field environmental studies has been extended beyond April 30th allowing all work to be completed. Nonetheless, wetlands fieldwork has been postponed because of unusually cold weather in early April.

D. Upcoming Plans

- Continue drafting the technical reports.
- Conduct a meeting with appropriate state and federal agencies to collaborate on the Air Quality Protocol.
- Conduct the quarterly meeting of the federal and state agencies.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- This task is complete.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Received a letter from MDEQ indicating that the warning about disposal of potentially contaminated waste had been resolved satisfactorily.
- Met with the community on April 25 to report on the drilling program.
- Met via telephone with the Geotechnical Advisory Group and April 2.
- Completed boring holes #7, 11, 14 and 15.
- Performed down hole boring on Holes #4, 5, 6, 7, 13, 14 and 15.
- Completed cross well panels 7-5, 7-4, 2-4, 2-5 and 4-5.
- Compiled daily reports of the deep drilling program and disseminated them.
- Compiled weekly summary reports on the deep drilling program and disseminated them.
- Began the laboratory testing of core samples.
- Received an extension on the right-to-enter the city property beyond the April 30th deadline.

B. Products

- Completion of rotary borings at Holes #7, 11, 14 and 15.
- Completion of rock coring at boring Holes #7 and 11.
- Down hole logging of boring holes #4, 5, 6, 7, 13, 14 and 15.
- Cross well size and tunnels 7-5, 7-4, 2-4, 2-5, and 4-5.
- Daily drilling field reports and weekly summaries.

C. Task Evaluation

- The deep drilling of 13 holes was completed within 2 ½ months.
- The City has extended the right-of-entry for deep drilling; however, it is demanding a “forbearance agreement” requiring removal of casings cemented into the rock to depths of 100+ feet at the City’s discretion anytime within the next 30 years. This requirement is onerous and will be difficult, if not impossible, to meet.

D. Upcoming Plans

- Prepare detailed and formal drilling logs.
- Continue performing down hole logging.
- Continue cross well tomography.
- Attempt to resolve the conflict with the City of Detroit as it relates to the requirement of removal of casings cemented into the rock.
- Develop and issue daily field work reports and weekly summaries.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Resolved with the Canadians the redrafting of the bridge-type study.
- Met with MDOT Geometrics to further discuss the results of the Value Planning meeting and move forward with additional engineering on the DRIC interchanges.
- Met with the US and Canadian Great Lakes Pilots as well as the Detroit-St. Clair River Operating Group to further discuss the location of piers in the Detroit River.
- Prepared a paper on the end-to-end cost estimate of an alternative that is comparable to that associated second span of the Ambassador Bridge.
- Cooperated with the Canadians to finalize the end-to-end current year cost of a set of alternatives.
- Conducted a CSS workshop on local conditions associated with the plaza and interchange.
- Met with Fort Street Business Association and the City Planning Commission to discuss the Delray Land Use Plan.
- Met with Norfolk Southern Railroad to resolve the use of the Delray rail line.
- Prepared a draft report screening the alternatives with the input from Value Planning, GSA/CBP, and the impact analysis to propose elimination of those alternatives that do not have the best chance of being built.

B. Products

- Draft report on the screening of practical alternatives.
- Revisions to the bridge-type study report.
- CSS workshop on local conditions.

C. Task Evaluation

- The meeting with various shippers and river pilots indicates that it will be very difficult to place piers in the Detroit River.

- The meeting with MDOT Geometrics allowed for a better understanding of how to advance the engineering work as a result of Value Planning.
- A teleconference is scheduled for May 17 with GSA/CBP to collaborate on the various plaza options and refinements that may be necessary.

D. Upcoming Plans

- Teleconference with GSA and CBP for further discussion of the DRIC plazas.
- Seek input from MDOT and FHWA on the preliminary screening of practical alternatives. Update the report and discuss it with the Working Group on May 31st.
- Continue with the bridge analysis.
- Continue with the refinement of the interchanges with I-75.
- Schedule a meeting with CSX to discuss the rail line through Delray.
- Prepare schematic drawings of the utilities and a technical memorandum associated with them.
- Incorporate the April 26th CSS workshop results into the engineering analysis.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Revised the DEIS outline based upon MDOT review.
- Updated all technical report outlines based upon MDOT review.
- Continued to collaborate with the community as it relates to the Land Use Plan for Delray and CSS Context Sensitive Solutions.
- Continued to address key issues that affect the selection of a preferred alternative:
 - ✓ Brinewells, piers in the river, rail lines in Delray, treatment of Sterling Marine Fuels, noise impacts of Sandwich Town, U.S. CBP/GSA comments and cost estimates of crossing the bridges.

B. Products

- Update of “key issues” matrix (2).
- Updated outlines of the DEIS and Technical Reports.

C. Task Evaluation

- Among the seven key issues that affect selection of a preferred alternative, it appears that the rail line in Delray, treatment of Sterling Marine Fuels, noise impacts in Sandwich Town have all been eliminated as fatal flaws.

D. Upcoming Plans

- Continue to draft Technical Reports of the beginning sections of the earlier DEIS.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Interviewed with representatives of HSS Realty/Serr Brothers for properties on S. Post Street.
- Contacted by telephone the following property owners and businesses:
 - ✓ Leo Phillips, Peerless Metals

- ✓ Edward Duffy
- ✓ Analya's Pallets
- Received MDOT completed business surveys for:
 - ✓ Phyllis Hernandez (6734 W. Jefferson)
 - ✓ Jeffrey Harrison (5674-86 Fort Street)
 - ✓ L. Thoms Leasing (Campbell Street parcels)
 - ✓ Various business (1245 Military)
 - ✓ Bressler Metals (444 S. Campbell)
 - ✓ Hugh Graham (1005 Junction)
- Cooperated with MDOT and the City of Detroit to extend the right-of-entry to do further analysis of contamination on City of Detroit property.

B. Products

- Documentation of initial site assessment interviews.

C.. Task Evaluation

- Progress on this task is slow.

D. Upcoming Plans

- Continue interviews and site reconnaissance work at properties with approved right-of-entry agreements.
- Continue to work on initial site assessment report and plan for the preliminary site investigation.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Awaited results of the initial site assessment.

B. Products

- None, as none required.

C. Task Evaluation

- Work will proceed based on the Initial Site Assessment results.

D. Upcoming Plans

- Await results of Initial Site Assessment.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Continue separating electronic files by phases to be included in the mapping draft report segments dealing with Phases 1 and 2 of the aerial topographic mapping.

B. Products

- None, as none required.

C. Task Evaluation

- This task is 99 percent complete.

D. Upcoming Plans

- The subconsultant on this task, Woolpert, has decided to cease doing business in Michigan. This issue will be addressed by the end of May so that all work is completed satisfactorily.

TASK 19 (3320) – PHOTOGRAMMETRIC CONTROL SURVEY

A. Work Progress

- Continue preparing the Photogrammetric Control Survey Report.

B. Products

- None, as none required.

C. Task Evaluation

- This task remains at 95 percent complete.

D. Upcoming Plans

- Continue to work on the technical report.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- Completed survey of additional test well locations and elevation.

B. Products

- Spreadsheet of drillhole coordinates and elevations.

C. Task Evaluation

- This task is 30 percent complete.

D. Upcoming Plans

- Continue work on survey report.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- Work in this area has not been initiated.

B. Products

- None, as none required.

C. Task Evaluation

- Comments by the Coast Guard (Bob Bloom) to FWHA (Jim Kirchensteiner) and input from the river carriers and pilots make it clear that piers in the river will not likely be accepted or allowed.

D. Upcoming Plans

- Continue to monitor developments on the Canadian side regarding piers in the river.
- Meet with river pilots on May 10th.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work in this task has not been initiated.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work has not been initiated on this task.

B. Products

- None as none required.

C. Task Evaluation

- Work in this task will be initiated once the preferred alternative is selected.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Received a letter from MDEQ indicating that the warning about disposal of potentially contaminated waste had been resolved satisfactorily.
- Met with the community on April 25 to report on the drilling program.
- Met via telephone with the Geotechnical Advisory Group and April 2.
- Completed boring holes #7, 11, 14 and 15.
- Performed down hole boring on Holes #4, 5, 6, 7, 13, 14 and 15.

- Completed cross well panels 7-5, 7-4, 2-4, 2-5 and 4-5.
- Compiled daily reports of the deep drilling program and disseminated them.
- Compiled weekly summary reports on the deep drilling program and disseminated them
- Began the laboratory testing of core samples.
- Received an extension on the right-to-enter the city property beyond the April 30th deadline.

B. Products

- Completion of rotary borings at Holes #7, 11, 14 and 15.
- Completion of rock coring at boring Holes #7 and 11.
- Down hole logging of boring holes #4, 5, 6, 7, 13, 14 and 15.
- Cross well size and tunnels 7-5, 7-4, 2-4, 2-5, and 4-5.
- Daily drilling field reports and weekly summaries.

C. Task Evaluation

- The deep drilling of 13 holes was completed within 2 ½ months.
- The City has extended the right-of-entry for deep drilling; however, it is demanding a “forbearance agreement” requiring removal of casings cemented into the rock to depths of 100+ feet at the City’s discretion anytime within the next 30 years. This requirement is onerous and will be difficult, if not impossible, to meet.

D. Upcoming Plans

- Prepare detailed and formal drilling logs.
- Continue performing down hole logging.
- Continue cross well tomography.
- Attempt to resolve the conflict with the City of Detroit as it relates to the requirement of removal of casings cemented into the rock.
- Develop and issue daily field work reports and weekly summaries.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Engaged the community in the April 26, 2007 CSS workshop.

- Met with the Fort Street Business Association and the City Planning Commission staff to discuss the preliminary Delray Land Use Plans.

B. Products

- Materials for the April 26, 2007, CSS public meeting.

C. Task Evaluation

- Close coordination is being achieved between the CSS work and the master planning activities for Delray.

D. Upcoming Plans

- Continue to communicate with the City and local neighborhood organizations to address the Delray Land Use Plan and related matters.
- Meet Mrs. Leonard, Principal Hodge and others dealing with the Delray Land Use Plan.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

The schedule was updated in December 2006 as described in Section E.

E. ITEMS NEEDED FROM MDOT

- Review of the working paper on the screening of practical alternatives.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT

- At the following meetings:
 - ✓ April 2 – With the Geotechnical Advisory Group (by teleconference).
 - ✓ April 4 – With U.S. and Canadian Great Lakes Pilots.
 - ✓ April 10 – With the Detroit-St. Clair River Operating Group.
 - ✓ April 11 – With Norfolk Southern.
 - ✓ April 12 – With the Working Group.
 - ✓ April 13 – With the Fort Street Business Association.
 - ✓ April 16 – With the Detroit Water and Sewer Department.
 - ✓ April 17 – With the Core Team.
 - ✓ April 18 – With City Planning Commission.
 - ✓ April 25 – With the Delray Community on the drilling program.
 - ✓ April 25 – With the LAC/LAG.

- ✓ April 26 – With the public on Context Sensitive Solutions.
- ✓ April 26 – With the Working Group.
- Daily e-mail and telephone conversations with the MDOT Project Manager.
- Two status reports.
- Two “key issues” matrixes.
- Monthly progress report.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
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Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
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¹ Revised in September 2006.² Revised in January 2007.

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H. CONTACT RECORDS

- Daily contact records, daily e-mails and conversations by phone and in person with the MDOT Project Manager and other MDOT/FHWA personnel.
- Two status reports.
- Two “key issues” matrices.
- Monthly progress report.
- Notes of meetings of:
 - ✓ April 2 – With the Geotechnical Advisory Group (be teleconference).
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June 7, 2007

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

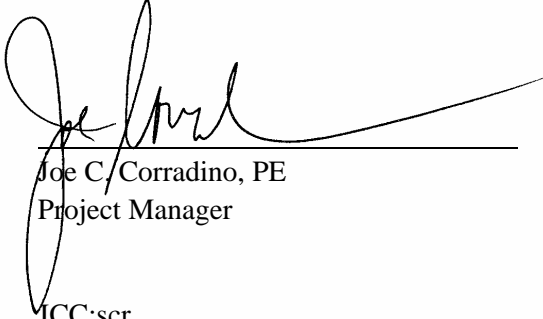
RE: DRIC EPE/EIS Project; Job No. 802330
TCG Project No. 3600 - Invoice No. 29 Progress Report

Dear Mohammed:

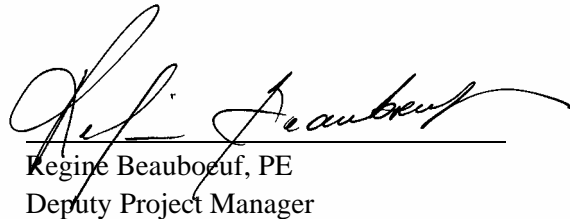
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 29 for May 2007. The invoice will be submitted under separate cover to Portia VanPelt.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboef, PE
Deputy Project Manager

JCC:scr

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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
MAY 1 THROUGH MAY 31, 2007**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Prepared for and participated in the following meetings in May:
 - ✓ May 3 – With the Steering Committee.
 - ✓ May 8 – With Mrs. Leonard, Principal Hodge and others dealing with the Delray Land Use Plan.
 - ✓ May 15 – With FHWA on land acquisition issues.
 - ✓ May 17 – With the CBP.
 - ✓ May 21 – With CBP/GSA on plaza issues (via teleconference).
 - ✓ May 22 – With the Core Team.
 - ✓ May 30 – With the LAC/LAG.
 - ✓ May 31 – With the Working Group.
- Prepared notes for all of the above meetings.
- Prepared a video for airing on local-access television as an invitation to the joint June 20, 2007, public meeting on the evaluation of Practical Alternatives.
- Prepared a mailer to be sent to 10,000 addresses plus distributed door-to-door in Delray and along I-75 as an invitation to the June 20, 2007, public meeting.

B. Products

- Video invitation.
- Mailers for the June 20, 2007, public meeting on the evaluation of Practical Alternatives.
- Addenda, notes, and presentation materials for all May meetings.

C. Task Evaluation

- The May meeting of the Local Advisory Council/Local Agency Group was somewhat contentious when a property owner expressed concern about the detail of the project documentation as well as the outreach effort. However, the questions/issues raised by that individual are responded to by reviewing the detailed information on the project Web site. All information requested is available including a listing of his property on various displays at meetings held on December 5, 2006, and March 21, 2007.

D. Upcoming Plans

- Prepare for and participate in the following meetings:
 - ✓ June 7 – With the Project Steering Committee.
 - ✓ June 11 – With CSX Railroad.
 - ✓ June 12 – With the U.S. Department of Agriculture-APHIS to discuss plaza-related issues.
 - ✓ June 13 – With the federal and state agencies.
 - ✓ June 19 – With the Core Team.
 - ✓ June 20 – With the public on the screening of alternative plazas and interchanges.
 - ✓ June 27 – With the LAC/LAG.
 - ✓ June 28 – With the Working Group.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Completed updating the two-nested and three-nest logit models and submitted a paper to MDOT for review as it compares previous forecasts with new ones based upon detailed coding of the interchanges and plazas.
- Responded to comments on the microsimulation report.
- Developed internally a presentation on the travel demand forecasting process and a comparison of DRIC forecast to those by others.

B. Products

- Response to comments on the microsimulation (VISSIM) report.
- Paper on the sensitivity of the various models to the plaza and interchange coding.

C. Task Evaluation

- The detailed coding of interchanges and plazas shows significant sensitivity to small changes (40 to 90 seconds) in travel time. The two-nest logit model is less sensitive, creating a more even split between competing river crossings. The Canadian team is now concerned that the refined modeling produces data which are not consistent with that used in their analysis for issues such as noise and air quality. This matter will continue to be discussed as the project goes forward.
- Microsimulation analyses have not been started while the issues about the refined forecast are being addressed.
- Recent release by SEMCOG of a significant reduction in its growth over the next 30 years in both population (75 percent reduction in growth) and employment (55 percent reduction in growth) requires that the travel demand forecasts be further refined to determine the sensitivity to these growth revisions. It is not possible to use SEMCOG travel demand data for the 2035 target year as those data will not be available for as many as 24 months.

D. Upcoming Plans

- Continue to cooperate with MDOT and the Canadian team to review the updated travel demand forecasts.
- Begin the next phase of the microsimulation analysis once the forecast issue, noted above, is resolved.
- Submit for review and revision the PowerPoint presentation on the DRIC travel demand forecasting procedure and the comparison with other forecasting efforts.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- This task has been completed.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Continued to draft the technical reports in the following areas:
 - ✓ Traffic Analysis
 - ✓ Induced Demand
 - ✓ Air Quality and Traffic Analysis
 - ✓ Community Inventory
 - ✓ Indirect and Cumulative Impacts Analysis
 - ✓ Cultural Analysis/Archeological Investigations
 - ✓ Cultural Analysis/Above-Ground Investigation
 - ✓ Initial Site Assessment/Preliminary Site Investigation (Contamination)
 - ✓ Noise and Vibration Studies
 - ✓ Deep Drilling/Geotechnical Analysis Program
- Revised again the draft air quality protocol based on FHWA/Washington comments. Prepared for a consultation meeting by phone or in person.
- Completed all field investigations for above-ground and archaeological cultural resources.

B. Products

- Internal documentation of technical reports.
- Revised Air Quality Protocol.

C. Task Evaluation

- Recent release by SEMCOG of a significant reduction of its growth over the next 30 years in both population and employment discussed above will also affect the Induced Demand analysis.

D. Upcoming Plans

- Continue drafting the technical reports. Provide a schedule for delivering to MDOT of those documents.
- Meet with the state and federal agencies to collaborate on the Air Quality Protocol.
- Conduct the quarterly meeting of the federal and state agencies.
- Complete field work associated with: 1) wetlands delineation and wetlands functional analysis; 2) the coastal drilling management reviews; and, 3) endangered species, migratory birds and wildlife.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- This task is complete.
- Met with Woolpert, the aerial surveying firm, on May 10 to determine the extent of the remaining tasks and how the closure of Woolpert’s local office will impact completing project deliverables.

B. Products

- Lidar and Digital Orhtos.

C. Task Evaluation

- A meeting with MDOT and Woolpert as well as the DRIC Consulting Team will be held in the early part of June to determine the content and schedule of Woolpert deliverables. Woolpert has indicated that it would like to be released from the remainder of its contract. The DRIC Consulting Team agrees. MDOT concurrence is required.

D. Upcoming Plans

- Meet with Woolpert to determine the course of its further involvement in the DRIC project and the completion of its report.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Performed down hole logging in Holes #1 and #6.
- Completed cross well seismic ponds 1-5, 1-2, 1-4, 1-6, 7-6, 16-15, 16-13, 16-11, 11-12, 13-12, 12-15.

- Began preparation of the Brine Well Cavity Report.
- Attempted to resolve the conflict with the City of Detroit as it relates to the requirement to remove casing cemented into the rock to a depth of as much as 100 plus.
- Developed and issued daily field work reports and weekly summaries.
- Participated in a teleconference with the Geotechnical Advisory Group for purposes of reviewing changes in the procedures of the Canadian drilling.
- Prepared the third cost-containment report and submitted it to MDOT for review.
- Performed field work for the remaining plaza borings located on City of Detroit parks.
- Completed classification of rock cutting samples obtained from the deep drilling program.

B. Products

- Cross well panels listed above.
- Daily drilling field reports and weekly summaries.
- Third cost-containment report.

C. Task Evaluation

- The cross well tomography is scheduled for completion by the latter part of June and the daily down hole gravity logging for one month later, well within the schedule of the U.S. drilling program. However, the Canadian drilling program is only half complete at the end of June and a delay in producing needed data will mean that the Geotechnical Advisory Group will be unable to meet in early September.
- The City of Detroit continues to insist on removing the casings to a depth of at least 30 feet, and for a time period that could extend as much as 30 years. The implications of this are significant and being resisted as inappropriate and inconsistent with previous agreements with the city. Additionally, compliance with this requirement is likely to add \$160,000 to the project cost. Such cost will have to be eliminated from other aspects of the analytical work in order to maintain the budget.
- The third cost-containment report to MDOT shows that the risk to the program budget is significantly contained. Those cost risks remaining are largely associated with the City of Detroit's proposed requirements that could add an additional \$160,000 to \$200,000 to the project. These costs will have to be mitigated by reductions in the analysis work in order to maintain the budget.

D. Upcoming Plans

- Complete the detailed and formal drilling logs.
- Continue down hole gravity logging.
- Complete the cross well tomography.
- Develop and issue daily field reports and weekly summary reports.
- Submit a report summarizing the subsurface conditions encountered in the plaza boring drilled on city properties.
- Complete the draft Brine Well Cavity Report, to the extent collected data allow.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Redrafted the Bridge-type Study report.
- Met with the Canadian Ship Owners on May 10 to further discuss the issue of piers in the river.
- Met with the Detroit Water and Sewage Department on May 16 to discuss their plans for developing combined sewer overflow facilities on or around the DRIC study area.
- Teleconferenced on May 21 with CSA/CBC for further review of the DRIC plazas.
- Reviewed with MDOT the draft report labeled “Additional Screening of Practical Alternatives.” Updated the report and provided it to the Working Group on May 31.
- Continued the bridge analyses.
- Continued refining the interchanges with I-75 connecting it to the plaza.
- Set a meeting on June 11 with CSS dealing with the Delray rail line.
- Continued to integrate the CSS workshop results into the engineering analysis.

B. Products

- A letter from Canadian Ship Owners indicating that it will not accept piers in the Detroit River.
- Updated Bridge-type Study report.
- Updated report on the “Additional Screening of Practical Alternatives.”

C. Task Evaluation

- Even though it appeared that the Bridge-type Study report was completed, the Ministry of Transport Ontario, continues to review it and has indicated that further changes will be necessary. The Bridge-type Study drafted and presented in February is now in its fourth month of review.
- Discussions to make the final determination to eliminate piers in the Detroit River continued as the Ministry of Transport Ontario indicates it still needs consultation with the Navigable Waters Branch of Transport Canada.
- The meeting with GSA/CBP on May 21 was largely inconclusive. Additional information on plaza requirements is to be submitted by June 4 by GSA/CBP. A teleconference is scheduled for June 7.
- The meeting with the Detroit Water and Sewer Department indicated that only one facility – a laboratory – was planned for the DRIC study area. Nonetheless, the building, while almost designed, will not be under construction until approximately the spring of 2008.

D. Upcoming Plans

- Present to the Steering Committee the “Additional Screening of Practical Alternatives” report.
- Present to the public proposals to eliminate plazas and interchanges that are among the Practical Alternatives.
- Continue with the refinements of interchanges and plazas.
- Continue to cooperate with Detroit Water and Sewer Department about its plans for the DRIC study area.
- Continue the discussion on June 7 with the GSA/CBP on plaza refinements.
- Meet on June 11 with CSX to discuss the rail line through Delray.
- Prepare schematic drawings of the utilities and the technical memorandum associated with them.

TASK 10 (2360) – PREPARE DEIS**A. Work Progress**

- Continue drafting the technical reports in the following areas:
 - ✓ Traffic Analysis
 - ✓ Induced Demand
 - ✓ Air Quality and Traffic Analysis
 - ✓ Community Inventory
 - ✓ Indirect and Cumulative Impacts Analysis
 - ✓ Cultural Analysis/Archeological Investigations

- ✓ Cultural Analysis/Above-Ground Investigation
- ✓ Initial Site Assessment/Preliminary Site Investigation (Contamination)
- ✓ Noise and Vibration Studies
- ✓ Deep Drilling/Geotechnical Analysis Program
- Refined the next steps in the Context Sensitive Solutions process with the intention of having another meeting on the bridge in the first 10 days of August.
- Developed Key Issues matrices twice in May.

B. Products

- Update of “Key Issues” matrices (2).
- Refined approach/schedule to CSS activities.

C. Task Evaluation

- Almost all “key issues” have been resolved. The only outstanding items are: 1) dealing with GSA/CBP on further refinements of the plaza; and, 2) completing the drilling program.

D. Upcoming Plans

- Meet with the federal and state agencies on June 13 and present the DEIS final outline and a schedule for delivering products.
- Complete first draft of the technical reports listed above.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. Work Progress

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. Work Progress

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. Work Progress

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. Work Progress

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. Work Progress

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. Work Progress

- Received MDOT completed business surveys for:
 - ✓ GJL Enterprises (171 South Military)
 - ✓ Fort Service, Inc. (6230 West Fort Street)
 - ✓ Shoe Faire Stores, Inc. (5872 Fort Street)
 - ✓ Gentry Trust (multiple lots on South Military, West Jefferson and Dragoon)
 - ✓ MTC Properties (307 and 425 South Campbell)
- Began drafting the ISA technical report.

B. Products

- Documentation of initial site assessment interviews.

C.. Task Evaluation

- Progress on this task is picking up.

D. Upcoming Plans

- Continue interviews and site reconnaissance work at properties with approved right-of-entry agreements.
- Continue to work on initial site assessment report and plan for the preliminary site investigation.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Awaited results of the initial site assessment.

B. Products

- None, as none required.

C. Task Evaluation

- Work will proceed based on the Initial Site Assessment results.

D. Upcoming Plans

- Await results of Initial Site Assessment.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Completed the report for this task.

B. Products

- High Precision Helicopter Mapping and Orthos.

C. Task Evaluation

- This task is 99 percent complete.

D. Upcoming Plans

- Meet with MDOT to discuss completing all products and replacing Woolpert as it has closed its Michigan office and removed its lead person on the project.

TASK 19 (3320) – PHOTOGRAMMETRIC CONTROL SURVEY

A. Work Progress

- Continue preparing the Photogrammetric Control Survey Report.

B. Products

- Report of this task in draft form.

C. Task Evaluation

- This task is 99 percent complete.

D. Upcoming Plans

- Meet with MDOT to discuss completing all products and replacing Woolpert as it has closed its Michigan office and removed its lead person on the project.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- None as none required.

B. Products

- None as none required.

C. Task Evaluation

- This task is 30 percent complete.

D. Upcoming Plans

- Continue work on survey report.
- Conduct surveys as requested.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- For all practical purposes, a determination has been made that there will be no piers in the river. Therefore, the work in this task is not needed.

B. Products

- None, as none required.

C. Task Evaluation

- Comments by various ship owners, ship masters, and governmental agencies have indicated that piers in the Detroit River are not acceptable. Therefore, work in this task will not be necessary.

D. Upcoming Plans

- None, as work in this task is no longer necessary as piers in the water will be eliminated as an option.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work in this task has not been initiated.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work has not been initiated on this task.

B. Products

- None, as none required.

C. Task Evaluation

- Work in this task will be initiated once the preferred alternative is selected.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Performed down hole logging in Holes #1 and 6.
- Completed cross well seismic ponds 1-5, 1-2, 1-4, 1-6, 7-6, 16-15, 16-13, 16-11, 11-12, 13-12, 12-15.

- Began preparation of the Brine Well Cavity Report.
- Attempted to resolve the conflict with the City of Detroit as it relates to the requirement to remove casing cemented into the rock to a depth of as much as 100 plus.
- Developed and issued daily field work reports and weekly summaries.
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B. Products

- Cross well panels listed above.
- Daily drilling field reports and weekly summaries.
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- The cross well tomography is scheduled for completion by the latter part of June and the daily down hole gravity logging for one month later, well within the schedule of the U.S. drilling program. However, the Canadian drilling program is only half complete at the end of June and a delay in producing needed data will mean that the Geotechnical Advisory Group will be unable to meet in early September.
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D. Upcoming Plans

- Complete the detailed and formal drilling logs.

- Begin down hole gravity logging.
- Complete the cross well tomography.
- Develop and issue daily field work reports and weekly summary reports.
- Submit a report summarizing the subsurface conditions encountered in the plaza boring drilled on city parks.
- Complete the draft Brine Well Cavity Report, to the extent collected data allow.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Met with Mrs. Leonard, Principal Hodge, and others dealing with the Delray Land Use Plan.

B. Products

- None, as none required.

C. Task Evaluation

- Review comments that were due by the City of Detroit by the end of May. None have been received.

D. Upcoming Plans

- Continue to communicate with the City and local neighborhood organizations to address the Delray Land Use Plan and related matters.
- Receive and respond to comments expected from the City of Detroit Planning Commission and the Detroit Economic Growth Corporation.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

The schedule was last updated in December 2006 as described in Section E.

E. ITEMS NEEDED FROM MDOT

- A decision on the steps to take now that Woolpert has discontinued its business operation in Michigan.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT

- At the following meetings:

- ✓ May 3 – With the Steering Committee.
- ✓ May 8 – With Mrs. Leonard, Principal Hodge, and others dealing with the Delray land use plan.
- ✓ May 15 – With FHWA on land acquisition issues.
- ✓ May 17 – With the CBP.
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- Daily e-mail and telephone conversations with the MDOT Project Manager.

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 - ✓ May 21 – With CBP/GSA on plaza issues (via teleconference).
 - ✓ May 22 – With the Core Team.
 - ✓ May 30 – With the LAC/LAG.
 - ✓ May 31 – With the Working Group.

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June 7, 2007

Mr. Mohammed Alghurabi, Project Manager
MDOT, Design Division
425 West Ottawa
Lansing, MI 48933

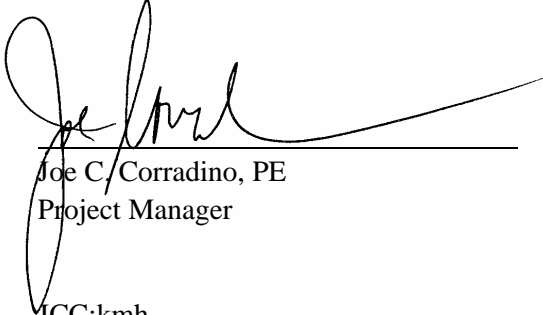
RE: DRIC EPE/EIS Project; Job No. 802330
TCG Project No. 3600 - Invoice No. 30 Progress Report

Dear Mohammed:

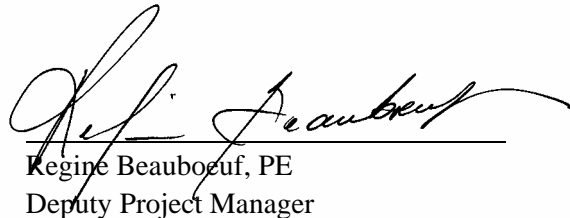
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 30 for June 2007. The invoice will be submitted under separate cover to Portia VanPelt.

Please call if you have any questions or comments.

Sincerely yours,



Joe C. Corradino, PE
Project Manager



Regine Beauboef, PE
Deputy Project Manager

JCC:kmh

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Attachment

**PROGRESS REPORT
THE CORRADINO GROUP
DRIC EPE/EIS PHASE
JUNE 1 THROUGH JUNE 30, 2007**

The following details the work progress for the project by task (Sections A, B, & C). At the end of the task progress discussion are sections that address updates of the schedule, items needed from MDOT, and a listing of substantive verbal contacts with MDOT. Schedule adjustments and verbal contacts are listed on attachments G and H, respectively.

A, B, AND C – PROGRESS BY TASK

TASK 1 (1220) – VERIFY SCOPE/CONDUCT PUBLIC INVOLVEMENT PLAN

A. Work Progress

- Prepared for and participated in the following meetings in June:
 - ✓ June 7 – With the Project Steering Committee.
 - ✓ June 7 – With U.S. Customs & Border Protection/General Services Administration (by teleconference).
 - ✓ June 11 – With CSX Railroad.
 - ✓ June 12 – With the U.S. Department of Agriculture – APHIS to discuss plaza-related issues.
 - ✓ June 13 – With the federal and state agencies.
 - ✓ June 19 – With the Core Team.
 - ✓ June 20 – With the public on the screening of alternative plazas and interchanges.
 - ✓ June 27 – With U.S. Customs & Border Protection/General Services Administration (by teleconference).
 - ✓ June 28 – With the Working Group.
- Prepared notes for all of the above meetings.
- Prepared for a series of relocation workshops to be held on July 31, August 1, and August 2, 2007, to exchange information with residential property owners.
- Continued preparation for the CSS workshop to be held on August 8, 2007.
- Coordinated with the Canadians to integrate the work of both groups for the upcoming CSS meeting on the crossing.
- Received comments from the City of Detroit Planning Commission on the Delray land use concept plan. Began making adjustments accordingly.

B. Products

- Agenda, notes, and presentation materials for all June meetings.
- Preliminary graphics depicting structural members of the crossing to be incorporated into 3-D modeling for the CSS workshop.
- Logistics and draft letter for the relocation workshops to be held at the Delray Recreation Center.

C. Task Evaluation

- A contingent from the Military Avenue Church participated in the June 20, 2007, public meeting and June 27, 2007, LAC meeting. In each instance, comments were repeatedly made about the lack of notification of the Church and of others north of I-75 of the project, even though the Church's Web site indicates that at least the pastor was aware of the process as much as two years ago. The members of the community at the public meeting, as well as members of the LAC at both meetings, responded that the DRIC process was the most extensive outreach program of which they know.
- The relocation workshops will be an excellent opportunity to determine the needs of the residents that could be relocated for the project. This will also provide some indication of the degree to which members of the Delray community wish to remain in the area, if revitalization can take place.
- Input is needed from the City of Detroit Economic Growth Corporation and Planning and Development Department on the Delray Land Use Concept Plans.

D. Upcoming Plans

- Prepare for and participate in the following meetings:
 - ✓ July 12 – With the Project Steering Committee.
 - ✓ July 17 – With the Core Team.
 - ✓ July 25 – With the LAC/LAG.
 - ✓ July 25 – With Customs and Border Protection/General Services Administration (by teleconference).
 - ✓ July 26 – With the Working Group.
 - ✓ July 31 – August 2 – At the Relocation Workshop.
- Finalize work for the CSS workshop on August 8, 2007, dealing with the crossing.
- Finalize plans for the relocation workshops. Mail invitations and make door-to-door visits in follow-up to ensure residents attend.
- Continue refining the Delray Land Use Concept Plan consistent with the input from the City of Detroit Economic Growth Corporation and Planning and Development Department.

TASK 2 (2120) – PREPARE TRAFFIC ANALYSIS REPORT

A. Work Progress

- Received comments from MDOT on the latest regional travel demand forecast. Forwarded the report to the URS team.
- Began the next phase of the microsimulation analysis.
- Met with MDOT senior management to discuss the travel demand forecasts.
- Completed the induced demand analysis, which indicates that less than one percent of the jobs and population growth in the SEMCOG region would be shifted as a result of the new border crossing.

B. Products

- PowerPoint presentation on the travel demand forecasting.
- Induced demand analysis.

C. Task Evaluation

- The attempt to meet with SEMCOG to review the paper on sensitivity testing of its revised demographic forecast has been postponed. No follow-up date has been set, but it is important to do so as soon as possible.
- The induced demand analysis indicates that less than one percent of the SEMCOG region growth in jobs and population would be shifted due to the creation of a new border crossing. This, in turn, indicates that additional travel demand model runs to reflect this induced demand will not be necessary.

D. Upcoming Plans

- Continue with the microsimulation analysis.
- Continue drafting the Traffic Analysis Report.
- Cooperate with the Canadian team to finalize the travel demand analysis following its review of the updated travel demand forecast.

TASK 3 (2130) – PREPARE JOB JUSTIFICATION/PURPOSE AND NEED STATEMENT

A. Work Progress

- This task has been completed.

TASK 4 (2140) – DEVELOP/REVIEW ILLUSTRATIVE ALTERNATIVES

A. Work Progress

- This task has been completed.

TASK 5 (2160) – DEVELOP SCOPING DOCUMENT

A. Work Progress

- This task has been completed.

TASK 6 (2310) – CONDUCT SEE TECHNICAL STUDIES

A. Work Progress

- Drafted technical reports in the following areas:
 - ✓ Induced Demand
 - ✓ Community Inventory
 - ✓ Cultural Analysis/Archeological Investigations
 - ✓ Cultural Analysis/Above-Ground Investigation
 - ✓ Deep Drilling/Geotechnical Analysis – Volume 1
 - ✓ Wetlands/Threatened and Endangered Species/Coastal Zone Management
- Continued to draft the technical reports in the following areas:
 - ✓ Traffic Analysis
 - ✓ Air Quality
 - ✓ Indirect and Cumulative Impacts
 - ✓ Initial Site Assessment/Preliminary Site Investigation (Contamination)
 - ✓ Noise and Vibration Studies
- Conducted the quarterly meeting with the federal and state agencies.

B. Products

- Six draft technical reports.

C. Task Evaluation

- Induced demand analysis indicates a shift of less than one percent of the SEMCOG growth in population and employment will occur because of the creation of additional border crossing capacity. This pales in comparison to a drop in population growth forecasted for the next 30

years by 75 percent and employment by 55 percent based in revisions made to demographic forecasts by SEMCOG.

- An historic district in west Delray has been proposed by the cultural resource specialist of the DRIC consultant team. Discussion needs to take place to determine whether such a designation would assist in the revitalization of Delray.

D. Upcoming Plans

- Continue drafting the six remaining technical reports.
- Meet/teleconference with EPA to collaborate on the Air Quality Protocol, as appropriate.

TASK 7 (2320) – AERIAL PHOTOGRAPHY

A. Work Progress

- Met with Woolpert to discuss the completion of all work products.

B. Products

- None, as none required.

C. Task Evaluation

- Woolpert will provide a proposal to translate to English all its products delivered to date. The cost will be allocated from Woolpert's remaining budget.
- It appears that the remaining work by Woolpert will be completed satisfactorily and without any difficulties. Nonetheless, survey work, on an as-needed basis, will be transferred to another firm because Woolpert's location outside of Michigan will make it difficult to respond on a timely basis.

D. Upcoming Plans

- Receive proposal from Woolpert to complete its products and take steps to execute that activity.

TASK 8 (2330) – GEOTECHNICAL DATA

A. Work Progress

- Completed the remaining cross well panels.
- Drafted Volume 1 of the technical report on the geotechnical analysis.
- Performed down hole gravity surveys of eight holes.

- Met with the Canadian team to develop a data-sharing protocol.
- Completed additional shallow borings and submitted a report summarizing the subsurface conditions in the plaza area.

B. Products

- Daily field reports and weekly summaries of the deep drilling program.
- Draft technical report on the geotechnical analysis – Volume 1.
- Summary report of shallow borings and the subsurface conditions encountered in the plaza area on additional drilling work.

C. Task Evaluation

- Developing a data-sharing protocol with the Canadians will be mindful of the sensitivity of the information, particularly without having been vetted for quality control purposes and reviewed for scientific conclusions.
- Concern exists that the Canadian drilling/geotechnical analysis program will not be completed until late November/early December. The Canadian schedule needs to be defined in detail. It hasn't to date.

D. Upcoming Plans

- Complete gravity survey logging and evaluate the data.
- Issue daily field reports and weekly summaries of the deep drilling program.
- Begin the analysis of potential void propagation based on final geophysics and other data.
- Evaluate the need for the VSP and implement, as appropriate.
- Develop data sharing protocol with the Canadian team.
- Assess impact of Canadian schedule on completing the geotechnical analysis.

TASK 9 (2340) – PRACTICAL ALTERNATIVES

A. Work Progress

- Presented to the Steering Committee the “Additional Screening of Practical Alternatives” proposes to eliminate plazas and interchanges that are among the Practical Alternatives.
- Continued with refinements of interchanges and plazas.
- Continued to cooperate with the Detroit Water and Sewer Department about its plans for the DRIC study area.
- Teleconferenced on June 7 and June 27, 2007, with the Customs and Border Protection/General Services Administration on plaza requirements.
- Met on June 11, 2007, with CSX to discuss their rail line through Delray.
- Prepared schematic drawings of the utilities and technical memorandum associated with them.

B. Products

- The Program of Plaza Requirements received from CBP/GSA.
- Updated report on Additional Screening of Practical Alternatives based on Steering Committee input.

C. Task Evaluation

- The Bridge-type Study Report, drafted and presented in February, is now in its fifth month of review and discussions and is still not finalized because of delays of the Canadian team.
- Collaboration has finally reached a point where it’s understood there will be no piers in Detroit River.
- Cooperation with CBP/GSA on their Program of Requirements reflects that the concept for the U.S. plaza of about a150-plus acres is still satisfactory. CBP, alone, needs 80 acres for its facilities. Other facilities, that include those of other federal agencies, such as USDA, as well as requirements for duty free, toll collection and the like, plus a utility buffer around the “hard facilities” defined above, lead to the conclusion that the 150-plus acres is an appropriate size.

D. Upcoming Plans

- Review the Program of Requirements for the plaza and participate in a teleconference on July 25, 2007, with CBP/GSA.
- Continue to engage the Canadian team in the conceptual engineering work of the crossing. Incorporate this work with the CSS activities.

TASK 10 (2360) – PREPARE DEIS

A. Work Progress

- Drafted technical reports in the following areas:
 - ✓ Induced Demand
 - ✓ Community Inventory
 - ✓ Cultural Analysis/Archeological Investigations
 - ✓ Cultural Analysis/Above-Ground Investigation
 - ✓ Deep Drilling/Geotechnical Analysis – Volume 1
 - ✓ Wetlands/Threatened and Endangered Species/Coastal Zone Management
- Continued to draft the technical reports in the following areas:
 - ✓ Traffic Analysis
 - ✓ Air Quality
 - ✓ Indirect and Cumulative Impacts
 - ✓ Initial Site Assessment/Preliminary Site Investigation (Contamination)
 - ✓ Noise and Vibration Studies
- Established August 8, 2007, for the next Context Sensitive Solution workshop on the border crossing.
- Developed “Key Issues” matrices twice in May in a revised format.

B. Products

- Update of “Key Issues” matrices (2).
- Refined approach/schedule to CSS activities.
- Draft of six technical reports.

C. Task Evaluation

- The Canadians are pressing to establish a Preferred Alternative by the time the DEIS is distributed. This issue continually arises without resolution with the Canadians. It must be resolved at the July Steering Committee meeting.
- Some concern exists that the Canadian drilling program will produce adequate technical information so that the draft Environmental Impact Statement can be distributed to the public by mid-December. This issue must be resolved with the Steering Committee at its July meeting.

D. Upcoming Plans

- Continue drafting the six remaining technical reports.

- Update the “Key Issues” matrix.
- Conduct CSS workshop on crossing.
- Resolve issue of when Preferred Alternative will be selected.
- Determine if Canadian drilling program schedule will affect public release of DEIS.

TASK 11 (2380) – DEIS AVAILABILITY/PUBLIC HEARING

A. **Work Progress**

- Work in this task has not been initiated.

TASK 12 (2510) – RECOMMENDED ALTERNATIVE

A. **Work Progress**

- Work in this task has not been initiated.

TASK 13 (2525) – ENGINEERING REPORT

A. **Work Progress**

- Work in this task has not been initiated.

TASK 14 (2530) – PREPARE FEIS

A. **Work Progress**

- Work in this task has not been initiated.

TASK 15 (2550) – OBTAIN RECORD OF DECISION

A. **Work Progress**

- Work in this task has not been initiated.

TASK 16 (2810) – CONDUCT INITIAL SITE ASSESSMENT

A. **Work Progress**

- Conducted site visit of additional Peerless Metals Co. parcels, interviewed owner and reviewed a Phase I Environmental Site Assessment report for Peerless Metals Co. properties.
- Contacted owner of former Sybill Co. property on Military Street for environmental reports.
- Continued work on Initial Site Assessment report.
- Contacted subcontractor to discuss upcoming Preliminary Site Investigation work.

B. Products

- Additional site visits.

C. Task Evaluation

- Work is proceeding at a reasonable pace.

D. Upcoming Plans

- Continue with interviews and site reconnaissance work at properties with approved right-of-entry agreements.
- Continue to work on Initial site Assessment (ISA) report and plan for Preliminary Site Investigations.

TASK 17 (2820) – CONDUCT PRELIMINARY SITE INVESTIGATION

A. Work Progress

- Awaited results of the initial site assessment.

B. Products

- None, as none required.

C. Task Evaluation

- Work will proceed based on the Initial Site Assessment results.

D. Upcoming Plans

- Await results of Initial Site Assessment.

TASK 18 (3310) – AERIAL TOPOGRAPHIC MAPPING

A. Work Progress

- Met with Woolpert to resolve the completion of the work in this area.

B. Products

- None, as none required.

C. Task Evaluation

- Woolpert will be able to complete its tasks satisfactorily and within available budget. The major step remaining is the translation to English of all data collected.

D. Upcoming Plans

- Cooperate with Woolpert to complete all the products in this task.

TASK 19 (3320) – PHOTOGRAMMETRIC CONTROL SURVEY

A. Work Progress

- Met with Woolpert to resolve the completion of the work in this area.

B. Products

- None, as none required.

C. Task Evaluation

- Woolpert will be able to complete its tasks satisfactorily and within available budget. The major step remaining is the translation to English of all data collected.

D. Upcoming Plans

- Cooperate with Woolpert to complete all the products in this task.

TASK 20 (3330) – DESIGN SURVEY

A. Work Progress

- None as none required.

B. Products

- None as none required.

C. Task Evaluation

- This task is 30 percent complete.

D. Upcoming Plans

- Continue work on survey report.
- Conduct surveys as requested.

TASK 21 (3350) – HYDRAULICS SURVEY

A. Work Progress

- For all practical purposes, a determination has been made that there will be no piers in the river. Therefore, work in this task is not needed.

B. Products

- None, as none required.

C. Task Evaluation

- Comments by various ship owners, ship masters, and governmental agencies have indicated that piers in the Detroit River are not acceptable. Therefore, work in this task will not be necessary.

D. Upcoming Plans

- None, as work in this task is no longer necessary as piers in the water will be eliminated as an option.

TASK 22 (4510) – RIGHT-OF-WAY SURVEY

A. Work Progress

- Work in this task has not been initiated. When it is, it will be transferred from Woolpert to another firm as Woolpert's location outside of Michigan makes it difficult to respond on a timely basis.

TASK 23 (3370) – STRUCTURE SURVEY

A. Work Progress

- Work has not been initiated on this task.

TASK 24 (3520) – SCOUR ANALYSIS

A. Work Progress

- Work has not been initiated on this task.

B. Products

- None, as none required.

C. Task Evaluation

- Work in this task will be initiated once the preferred alternative is selected.

D. Upcoming Plans

- Work in this task will be initiated once the preferred alternative is selected.

TASK 25 (3530) – FOUNDATION INVESTIGATION

A. Work Progress

- Completed the remaining cross well panels.
- Drafted Volume 1 of the technical report on the geotechnical analysis.
- Performed down hole gravity surveys of eight holes.
- Met with the Canadian team to develop a data-sharing protocol.
- Completed additional shallow borings and submitted a report summarizing the subsurface conditions in the plaza area.

B. Products

- Daily field reports and weekly summaries of the deep drilling program.
- Draft technical report on the geotechnical analysis – Volume 1.
- Summary report of shallow borings and the subsurface conditions encountered in the plaza area on additional drilling work.

C. Task Evaluation

- Developing a data-sharing protocol with the Canadians will be mindful of the sensitivity of the information, particularly without having been vetted for quality control purposes and reviewed for scientific conclusions.

- Concern exists that the Canadian drilling/geotechnical analysis program will not be completed until late November/early December. The Canadian schedule needs to be defined in detail. It hasn't to date.

D. Upcoming Plans

- Complete gravity survey logging and evaluate the data.
- Issue daily field reports and weekly summaries of the deep drilling program.
- Begin the analysis of potential void propagation based on final geophysics and other data.
- Evaluate the need for the VSP and implement, as appropriate.
- Develop data sharing protocol with the Canadian team.
- Assess impact of Canadian schedule on completing the geotechnical analysis.

TASK 26 (3710) – REQUIRED MITIGATION

A. Work Progress

- Conducted the public meeting on the elimination of Practical Alternatives on June 20, 2007.
- Received input as it may affect mitigation to the remaining Practical Alternatives.
- Received comments from the City of Detroit Planning Commission on the Conceptual Delray Land Use Plan.

B. Products

- None, as none required.

C. Task Evaluation

- Review comments on the Delray land use concepts are still needed from the City of Detroit Economic Growth Corporation and Planning and Development Department.

D. Upcoming Plans

- Revise the Delray Land Use Concept Plan to account for City of Detroit input, if it is received, and continue to communicate with the City and local neighborhood organizations to address the Delray land use plan and related matters.

D. UPDATE OF PREVIOUSLY APPROVED SCHEDULE (ATTACHED)

The schedule was last updated in December 2006 as described in Section E.

E. ITEMS NEEDED FROM MDOT

- A decision from the Steering Committee on whether a Preferred Alternative will be included in the DEIS and the schedule of the Canadian work, particularly the drilling, that could affect the development and distribution of the DEIS by the end of 2007.

F. SUBSTANTIVE VERBAL CONTACTS WITH MDOT

- At the following meetings:
 - ✓ June 7 – With the Project Steering Committee.
 - ✓ June 7 – With U.S. Customs & Border Protection/General Services Administration (by teleconference).
 - ✓ June 11 – With CSX Railroad.
 - ✓ June 12 – With the U.S. Department of Agriculture – APHIS to discuss plaza-related issues.
 - ✓ June 13 – With the federal and state agencies.
 - ✓ June 19 – With the Core Team.
 - ✓ June 20 – With the public on the screening of alternative plazas and interchanges.
 - ✓ June 27 – With U.S. Customs & Border Protection/General Services Administration (by teleconference).
 - ✓ June 28 – With the Working Group.
- Daily e-mail and telephone conversations with the MDOT Project Manager.

ATTACHMENT

G. SCHEDULE DETAIL

Original Date	Anticipated Date	Explanation
Fourth week of February 2005	Fourth week of February 2005	1 Preliminary Evaluation Criteria
Last week of March 2005	Mid-April 2005 ¹	2 Study Kickoff
Third week of June 2005	Third week of June 2005	3 Illustrative Alternatives Definition
Fourth week of June 2005	Fourth week of June 2005	4 Scoping Document
Fourth week of August 2005	Fourth week of August 2005	5 Scoping
Third week of November 2005	Third week of November 2005	6 Preliminary Evaluation of Illustrative Alternatives
Second week of December 2005	Second week of December 2005	7 Preliminary Illustrative Alternatives Evaluation
Fourth week of February 2006	Fourth week of February 2006	8 Evaluation of Illustrative Alternatives/Select Practical Alternatives
Third week of March 2006	Third week of March 2006	9 Practical Alternatives Selection
First week of April 2006	First week of April 2006	10 Context Sensitive Design 1
First week of May 2006	First week of May 2006	11 Community Impact Assessment 1
First week of June 2006	First week of June 2006	12 Community Planning
First week of August 2006 ¹	First week of November 2006	13 Context Sensitive Design 3
Additional Task ^{1,2}	Second week of February 2007	14 Context Sensitive Design 4
Additional Task ^{1,2}	Second week of April 2007	15 Context Sensitive Design 5
Additional Task ^{1,2}	Second week of June 2007	16 Context Sensitive Design 6
Fourth week of July 2006 ^{1,2}	Last week of July 2007	17 Engineering Concepts Report
Second week of August 2006 ^{1,2}	Second week of August 2007	18 Preliminary DEIS
Fourth week of November 2006 ^{1,2}	Second week of November 2007	19 Public Hearing Script/Video
Second week of October 2006 ^{1,2}	Mid-October 2007	20 Draft DEIS
Second week of December 2006 ^{1,2}	End of December 2007	21 FHWA Approved DEIS
Second week of January 2007 ^{1,2}	Mid-January 2008	22 DEIS Public Hearing
Second week of April 2007 ^{1,2}	Mid-February 2008	23 Public Hearing Transcript Comment Summary
Fourth week of July 2007 ^{1,2}	Second week of April 2008	24 Recommended Alternative
Additional Task ^{1,2}	First week of April 2008	25 Public Meeting
Additional Task ^{1,2}	First week of June 2008	26 Public Meeting
Second week of December 2007 ^{1,2}	Last week of August 2008	27 Recommended Alternative Presentation
Fourth week of August 2007 ^{1,2}	Last week of August 2008	28 Final EIS
Fourth week of September 2007 ^{1,2}	Last week of October 2008	29 Final Engineering Report
Fourth week of November 2007 ^{1,2}	Last week of October 2008	30 MOU
Fourth week of December 2007 ^{1,2}	Last week of October 2008	31 Access Justification Report (signature after ROD signature)
Fourth week of December 2007 ^{1,2}	Last week of November 2008	32 ROD

¹ Revised in September 2006.² Revised in January 2007.

ATTACHMENT

H. CONTACT RECORDS

- Daily contact records, daily e-mails and conversations by phone and in person with the MDOT Project Manager and other MDOT/FHWA personnel.
- Two status reports.
- Two “Key Issues” matrices.
- Monthly progress report.
- Notes of meetings of:
 - ✓ June 7 – With the Project Steering Committee.
 - ✓ June 7 – With U.S. Customs & Border Protection/General Services Administration (by teleconference).
 - ✓ June 11 – With CSX Railroad.
 - ✓ June 12 – With the U.S. Department of Agriculture – APHIS to discuss plaza-related issues.
 - ✓ June 13 – With the federal and state agencies.
 - ✓ June 19 – With the Core Team.
 - ✓ June 20 – With the public on the screening of alternative plazas and interchanges.
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 - ✓ June 28 – With the Working Group.

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