

May 7, 2007

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

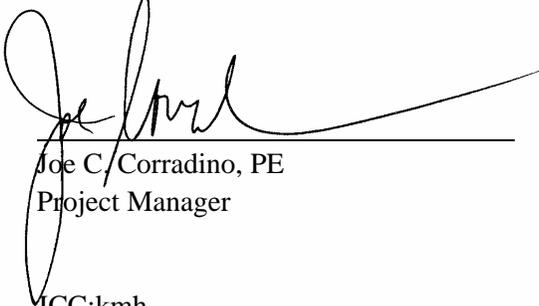
RE: DRIC EPE/EIS Project; Job No. 802330
TCG Project No. 3600 - Invoice No. 28 Progress Report

Dear Mohammed:

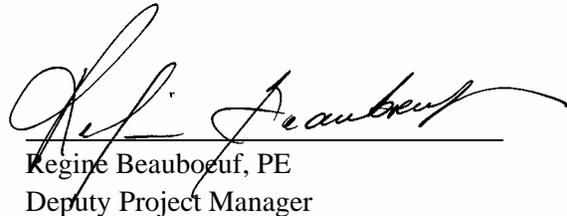
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 28 for April 2007. The invoice will be submitted under separate cover to Portia VanPelt.

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
I:\Projects\3600\WP\ProgRpt\PR28.doc
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.
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- 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.
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- 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
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:
 - ✓ April 2 – With the Geotechnical Advisory Group (be 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.
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