

June 7, 2007

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

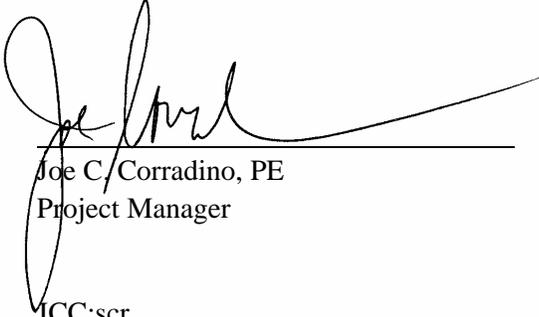
RE: DRIC EPE/EIS Project; Job No. 802330
TCG Project No. 3600 - Invoice No. 29 Progress Report

Dear Mohammed:

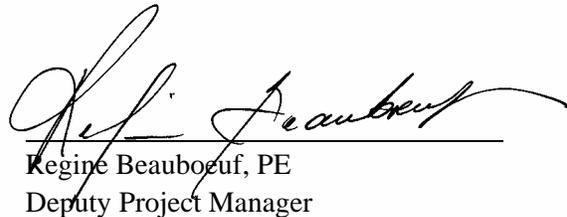
Enclosed is the narrative progress report for the DRIC EPE/EIS Project. It supports Invoice No. 29 for May 2007. The invoice will be submitted under separate cover to Portia VanPelt.

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

i:\projects\3600\wp\progrpt\pr29.doc

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.
- 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 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.

- 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.
- ✓ 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.
- 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:
 - ✓ 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.

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