

**GENERAL MEETING OF THE BOARD OF DIRECTORS  
OF THE  
CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY**

**RESOLUTION NO. 11-036**

**Approve a Supplement to Atkins' Work Authorization #1 Concerning  
Oversight by General Engineering Consultant of the Design/Build  
Comprehensive Development Agreement for the Manor Expressway.**

WHEREAS, in Resolution No. 09-53, dated August 26, 2009, following the issuance of a Request for Qualifications and evaluation of responses thereto in accordance with CTRMA's procurement policies, the Board of Directors directed staff to enter into negotiations and finalize a General Engineering Consultant Services Agreement (the "GEC Agreement") with Post, Buckley, Schuh & Jernigan, Inc. (d/b/a PBS&J) ("PBS&J"); and

WHEREAS, effective December 31, 2009, CTRMA executed the GEC Agreement with PBS&J; and

WHEREAS, on April 1, 2011, following the merger of PBS&J and Atkins North America, Inc. ("Atkins"), PBS&J changed its name to Atkins and all rights and obligations of PBS&J under the GEC Agreement are now the rights and obligations of Atkins; and

WHEREAS, a proposed Supplemental Work Authorization No. 3 to Work Authorization No. 1 to the GEC Agreement ("Supplemental Agreement No. 3") is attached and incorporated into this Resolution as Attachment "A" and sets forth a Scope of Services for additional GEC services for project management services necessary to oversee the design and construction of the Manor Expressway (290 East) Phase II Project by Central Texas Mobility Constructors under a design/build comprehensive development agreement with CTRMA; and

WHEREAS, it is necessary that the Board of Directors approve Supplemental Agreement No. 3 and its execution by the Executive Director.

NOW THEREFORE, BE IT RESOLVED, that the Board of Directors hereby adopts and approves Supplemental Agreement No. 3 and the related Scope of Services in substantially the form attached hereto as Attachment "A"; and

BE IT FURTHER RESOLVED, that Supplemental Agreement No. 3 and the related Scope of Services may be finalized and executed by the Executive Director on behalf of the CTRMA and that Supplemental Agreement No. 3 may be amended from time to time by written amendment as deemed necessary the Board of Directors.

*[Signatures appear on the following page]*

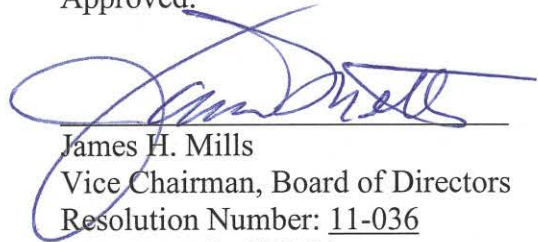
Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 27<sup>th</sup> day of April, 2011.

Submitted and reviewed by:



Andrew Martin  
General Counsel for the Central  
Texas Regional Mobility Authority

Approved:



James H. Mills  
Vice Chairman, Board of Directors  
Resolution Number: 11-036  
Date Passed: 4/27/11

ATTACHMENT "A" TO RESOLUTION 11-036

**Supplemental Work Authorization No. 3  
To Work Authorization No. 1**

[on the following 19 Pages]

**EXHIBIT D**  
**WORK AUTHORIZATION**

**Supplemental Work Authorization No. 3 to  
Work Authorization No. 1**

This Supplemental Work Authorization is made as of this 27<sup>th</sup> day of April, 2011, under the terms and conditions established in the AGREEMENT FOR GENERAL CONSULTING ENGINEERING SERVICES, dated as of January 4<sup>th</sup>, 2010 (the Agreement), between the **Central Texas Regional Mobility Authority** (Authority) and **Atkins North America, Inc.** (GEC). This Work Authorization is made for the following purpose, consistent with the services defined in the Agreement:

*Manor Expressway [290E Turnpike Project] Phase II  
Design-Build Comprehensive Development Agreement Oversight Services*

**Section A. - Scope of Services**

A.1. GEC shall perform the following Services:

Please reference Attachment A – Services to be Provided by the GEC

A.2. The following Services are not included in this Supplemental Work Authorization, but shall be provided as Additional Services if authorized or confirmed in writing by the Authority.

Not applicable.

A.3. In conjunction with the performance of the foregoing Services, GEC shall provide the following submittals/deliverables (Documents) to the Authority:

Please reference Attachment A – Services to be Provided by the GEC

**Section B. - Schedule**

GEC shall perform the Services and deliver the related Documents (if any) according to the following schedule:

Services defined herein are expected to be substantially complete within thirty nine (39) months from the date this Supplemental Work Authorization becomes effective. This Supplemental Work Authorization will not expire until all tasks associated with the Scope of Services are complete.

**Section C. - Compensation**

C.1. In return for the performance of the foregoing obligations, the Authority shall pay to the GEC the amount not to exceed \$23,307,363, based on Attachment B -Fee Estimate. Compensation for Direct Expenses under this Work Authorization which are incurred as part of the work will be reimbursed on a Lump-Sum basis in the

amount of \$93,600.00 (with \$2,400.00 to be invoiced monthly based on an assumed thirty nine month Work Authorization duration). Compensation shall be in accordance with the Agreement.

C.2. Compensation for Additional Services (if any) shall be paid by the Authority to the GEC according to the terms of a future Work Authorization.

**Section D. - Authority's Responsibilities**

The Authority shall perform and/or provide the following in a timely manner so as not to delay the Services of the GEC. Unless otherwise provided in this Work Authorization, the Authority shall bear all costs incident to compliance with the following:

Please reference Attachment A – Services to be Provided by the GEC

**Section E. - Other Provisions**

The parties agree to the following provisions with respect to this specific Work Authorization:

Not applicable.

Except to the extent expressly modified herein, all terms and conditions of the Agreement shall continue in full force and effect.

Authority: Central Texas Regional Mobility  
Authority

GEC: Atkins North America, Inc.

By: Mike Heiligenstein

By: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: Executive Director

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY  
SUPPLEMENTAL WORK AUTHORIZATION NO. 3 TO  
WORK AUTHORIZATION NO. 1  
Atkins**

**ATTACHMENT A  
SERVICES TO BE PROVIDED BY GEC**

**GENERAL**

The work to be performed by the General Engineering Consultant (GEC) will include project management services necessary to oversee the design and construction of the Manor Expressway (290 East) Phase II Project through the use of a Design/Build Comprehensive Development Agreement (D/B CDA). This will entail those professional services and associated deliverables required to complete the oversight activities associated with the management of the D/B CDA Developer (hereinafter referred to as the Developer).

The GEC will be the single point of contact between the CTRMA and Developer, acting as an extension of CTRMA staff by providing qualified technical and professional personnel to perform the duties and responsibilities assigned under the terms of this Agreement. The GEC shall not control the design and construction under the D/B CDA. Oversight reviews by the GEC will not relieve the Developer of sole responsibility for the means and methods of design and construction, or for health or safety precautions in connection with the work under the D/B CDA.

**TASK 1 PROJECT MANAGEMENT (CODE 13730)**

The GEC will provide staff to administer, manage, review and coordinate development of the Project. This staff will represent the CTRMA's interest as defined in the PDA. The GEC will develop and maintain a staffing plan for consistency and appropriate levels of Project staffing. Activities included in this task:

**A. Project Management Plan (PMP)**

This will include an update to the Project Management Plan to include the selected Developer's information. The component parts of the Project Management Plan (PMP) include:

- Project Administration
- Design quality management plan
- Construction quality management plan
- Maintenance management plan
- Comprehensive Environmental Protection Program
- Public information and communications
- Safety
- Communications management
- Right of Way Acquisition management
- Cost management

**B. Project Administration**

- Review and report on the Developer's submittals of records and reports including:
  - weekly payroll
  - statement of wage compliance
  - requests for payment of materials on hand
  - DBE compliance and/or other reports and records as required for the Project by TxDOT and or FHWA

- Report Project progress and issues in a timely manner
- Review, monitor, and report on Developer's Project schedule
- Review and submit a report on the Developer's as-built plans
- Maintain accurate records of the costs involved in potential change order work. These records will include labor and equipment times and materials installed (temporary or permanent) in the portion of the work in dispute.
- Assist in the surveillance of the Developer's compliance with contract requirements. The GEC is responsible for reviewing, monitoring, evaluating, and acting upon documentation required for Comprehensive Development Agreement (CDA) compliance and maintaining the appropriate files thereof. Typical areas of compliance responsibility include EEO Affirmative Action, DBE, OJT positions and number of hours, and payroll and subcontracts.
- Provide compliance oversight of third party agreements and development permits including:
  - Dewatering permits
  - NPDES permits
  - Demolition permits
  - Noise permits
  - Corps of Engineer permits

**C. Project Coordination**

- Work with CTRMA, TxDOT, Developer, third party consultants, utility companies, public agencies, contractors and the general public to coordinate Project development
- Coordinate the details of and participate in Project's partnering meeting to be held shortly after notice to proceed has been given to the Developer

**D. Sub-Consultants**

- Coordinate, contract, and provide oversight for any required sub-consultants

**E. Program Reporting**

- Prepare and issue monthly reports on the Project's status which will document any issues, delays encountered, and corrective actions as necessary
- Provide a monthly update to CTRMA on key milestones accomplished during the preceding month, meetings and key activities for the upcoming month, and identify outstanding issues requiring resolution
- Track, monitor, and report on contracts and budgets for the GEC and sub consultants
- Track, monitor, and prepare reports on DBE/HUB utilization for Developer's DBE/HUB program

**F. Project Schedule**

The GEC will provide staff to coordinate the Project scheduling efforts. Specific activities include:

- Evaluate, monitor, and verify, the Developer's Project schedule (baseline and updates)
- Report and verify the Developer's progress and upcoming milestones on a monthly basis to CTRMA
- Identify, catalog, and archive Baseline Schedule and schedule revisions. Evaluate time impacts and report recommendations to CTRMA

### **G. Change Order Processing & Management**

- Provide review of potential change orders on the Project and process in accordance with the CDA and coordinate with external agencies as required
- Review change order cost estimates prepared by the Developer, evaluate Developer claims for extension of time, and provide comments to CTRMA
- Maintain log and retain all documents associated with potential change orders
- Prepare status reports and presentation for the Dispute Resolution Board

### **H. Dispute/Claims Support**

- Assemble supporting documentation, review, analyze and provide recommendations to CTRMA on the Developer's submittal of a dispute
- Review, analyze and make recommendations to CTRMA on the Developer's claim package submittal
- Participate as needed in preparation and presentation to Dispute Resolution Board

### **I. Project Meetings & Documentation**

The GEC will facilitate the following Project meetings to assess progress, schedule, and quality of services being provided as well as identify issues:

- Project Progress Meetings (Weekly)
- Issue Resolution Meetings (As Needed)

In addition, the GEC will participate in Developer's meetings:

#### Partnering

- Initial Partnering Workshop(Start-up)
- Additional Partnering Workshops(As needed)

#### Design Phase

- Roadway, Drainage, Utilities, Environmental Compliance(Weekly)
- Maintenance of Traffic(Weekly)
- Structures, Signals, ITS, Illumination, Geotechnical(Bi-weekly)
- Toll System Integrator Coordination(Monthly)
- Design Leads(Weekly)
- Quality Assurance(Monthly)
- Design Submittal Review Meetings(Prior to submittals)

#### Construction Phase

- Utilities(Weekly)
- Quality Assurance(Bi-weekly)
- Maintenance of Traffic(Weekly)
- Public Information(Weekly)
- Environmental Compliance(Weekly)

#### Oversight, Scheduling, and Coordination

- 4-Week Rolling Schedule Review(Weekly)
- Staffing Meeting(Monthly)



- Steering Committee(Bi-Weekly)
- Executive Management(Quarterly)

**J. Documentation**

The GEC will prepare agendas, meeting minutes, action items and follow-up action item status for each of the GEC Project meetings and distribute to attendees and appropriate personnel.

**K. Document Controls**

- Develop and implement a document control plan
- Maintain Project files for the duration of the Project
- Transfer program files to CTRMA upon completion of the work or as directed by the CTRMA
- Import documents into the CTRMA Electronic Document Management System (EDMS) as necessary

**L. Tracking Database**

- Maintain the tracking database for correspondence, transmittals, requests for information, meeting minutes, action items, submittals, Inspector daily reports, Project diary, Project schedule, change orders, pay estimates, lien waivers, shop drawings, working drawings, erection drawings, catalog cut sheets, mix designs, non-conformance reports, payment certifications, Insurance and Bonds, issues, material test data, schedules, audits, related technical data, and issues associated with the Project.

**M. Data Backups**

- Perform backup of Project database on a daily basis

**N. Document Distribution**

- Assign identification coding to incoming and outgoing Project related documentation and perform entry into the EDMS
- Prepare, manage, record, distribute and archive documentation of Project activities, progress, and related communications
- Log and track submittals and deliverables

**O. Trust Indenture Obligations**

- Prepare a Quarterly Report with an Executive Summary that provides a comprehensive summary of the monthly reports and the overall Project progress

**P. Response to Open Records Requests**

- Perform retrieval of documents as a result of open records requests.

**Q. Mail Services**

- Provide mail services for the Project (US, Priority, Courier, Internal and External).

## **TASK 2 – DESIGN OVERSIGHT (CODE 13730)**

This will include the work required to oversee that the design of the Project is completed in accordance with the PDA and the CDA.

Design oversight efforts will focus on coordination with the Developer's design process to provide monitoring and oversight of reasonable compliance with contract obligations and sound engineering practices. The following activities are included:

### **A. Design criteria**

The GEC will work with the Developer to establish the design criteria to be used by the design team in the production of the construction plans.

### **B. Schematic development**

The GEC will oversee that the schematic plan development proceeds in accordance with the basic configuration provided in the CDA as a part of the 30% plan review. Variances from the basic configuration will be tracked and resolved through the partnering process. The GEC will identify opportunities for changes to the schematic to accommodate Project goals. These opportunities will be coordinated with the Developer, CTRMA, TxDOT, and FHWA.

### **C. Production schedule**

The GEC will work with the Developer to provide GEC staffing levels accommodate the Developers proposed design production schedule. The Developer's production schedule will be coordinated with the CTRMA, TxDOT, and FHWA to keep Project stakeholders informed of key milestone dates and design reviews schedules.

### **D. Work group meetings**

This task includes the attendance of the Developer's design work group meetings. In these meetings, the GEC will stay informed of design development issues and provide guidance to the Developer when required.

### **E. Design reviews**

After a design submittal has been through the design quality control and the design quality assurance reviews, the GEC will perform a design quality oversight review. This review will:

- Audit records to verify compliance with the approved DQMP
- Check and review compliance with the CDA
- Audit design to confirm all previous review comments have been incorporated

The mandatory design reviews include:

- 30% plans
- 65% plans
- 100% plans

Other design reviews may include:

- Early release construction plans
- Over the shoulder reviews
- Request for information (RFI) submittals
- Shop and working drawing reviews

## **F. Design acceptance**

Once the Developer has incorporated all comments from the Final (100%) Design Submittal and resolved all concerns, the Developer will submit the Final Design Package for acceptance. The GEC will review the acceptance package for the following components:

- Design plans
- Design calculations
- Design reports
- Specifications for construction
- Electronic files
- Government and utility owner approvals
- Design quality assurance firm certification of compliance with the DQMP and the CDA

## **TASK 3 – CONSTRUCTION OVERSIGHT (CODE 13730)**

The GEC will provide professional services associated with construction oversight including the construction engineering and inspection in accordance with the PDA. The GEC will provide qualified technical and professional personnel to perform this task. The GEC shall not interfere with the Developer's work effort or productivity. Construction Oversight by the GEC will not relieve the Developer of sole responsibility for the means and methods of the construction of the Project.

The GEC will perform oversight and the CTRMA will pay for all costs of the GEC's construction oversight services. In performing this task, the GEC shall not direct, manage, or control the Developer's design and construction work activities.

Construction oversight efforts will focus on coordination with the Developer's construction process to provide monitoring and oversight of reasonable compliance with contract obligations, sound engineering practices and regulatory requirements. The GEC will develop the construction Quality Assurance Plan (QAP) which will be incorporated by reference into the Developer's Construction Quality Management Plan (CQMP). The following activities are included:

### **A. Construction Oversight Inspections**

- Perform and report construction inspections
- Review and report final documentation of construction quantities in support of Developer draw requests
- Maintain diaries, logs, and records for a record of the Developer's progress
- Provide a digital photo log of the Project area during construction, with heavy emphasis on areas with potential claim items/issues and on areas of real/potential public controversy

### **B. Traffic Control**

- Issue deficiency reports to the Developer on any non-compliance of traffic control devices or layouts
- Coordinate with the Developer, affected third parties, interested agencies, emergency responders and CTRMA for major traffic disruptions
- Track lane rental fees
- Attend meetings pertaining to the traffic control and maintenance of traffic that are held by the Developer, or interested parties

**C. Requests for Information (RFI) and Non-Conformance Report Processing and Management**

- Review and comment on Project RFIs
- Prepare and manage Non-Compliance Reports (NCRs) for non compliant work
- Maintain, log and retain all documents associated with RFIs and NCRs

**D. Shop Drawing / Submittals Processing and Management**

- Review shop drawings, erection drawings, working drawings, samples, material and product certifications, and catalog cuts and brochure submittals for general conformance with the design plans and specifications submitted by the Developer. Check that the Engineer of Record has provided required approvals.
- Maintain, log and retain all documents associated with shop drawings
- Coordinate with the Developer

**E. Developer Draw Requests**

- Review completeness of Developer's submittal, including:
  - Cover sheet
  - Monthly progress report
  - Certification by design quality assurance manager and construction quality control manager
  - Report of personnel hours
  - Progressed schedule of values
  - DBE utilization report
  - Cash flow and payment curves
  - Updated Project schedule
  - Waiver of liens from previous draw requests
  - Material on hand invoices
  - Lane rental fee report
- Evaluate that the request accurately reflects monies due for acceptable work completed
- Notify the CTRMA of amount approved for payment

**F. Right-of-Way/Utility Oversight**

The GEC will provide oversight, coordination, and assistance for right-of-way and utility related activities. Specific activities include:

- Provide information to the Developer concerning previous land acquisition negotiations with certain property owners along the Project corridor
- As requested, coordinate the preparation of Eminent Domain packages to be submitted by the Developer in relation to land acquisition
- Review utility plans for compliance with the TxDOT Utility Accommodation Policy, compatibility with the Project features, betterment inclusion and constructability
- Provide oversight review of location, materials, and backfilling of trenches associated with utility adjustments; not responsible for actual location of utilities
- Participate in meetings as necessary to effectively manage the utility coordination process
- Schedule periodic meetings with utility owner's representatives for coordination purposes
- Meet with the Developer as necessary to resolve matters relating to schedules, utility identification, design changes, conflict resolution, and negotiation with utility owners

- Assist Developer with negotiating the details of utility agreements with the utility companies. Details will include any necessary betterment percentages, indirect costs, plans, estimates and schedules for the utility companies' activities
- Review of utility adjustment agreements including plans, estimates, and property interest
- Review of claims of unidentified utilities submitted by the Developer
- Monitoring payments from Developer to utility owners for utility adjustments
- Provide utility construction monitoring and verification
- Monitor and report utility adjustment status

**G. Survey Support**

- Perform miscellaneous spot checks as needed during the duration of the Project

**H. General Technical Support**

The GEC will provide technical support and management assistance as required by the CTRMA toward the successful completion of the Project; including:

- Advise the CTRMA on matters of engineering related to interpretation of design details, construction techniques and procedures, specifications, standard construction details, and construction plans prepared by the Design Engineer(s)
- Seek clarifications from the Design Engineer(s) when necessary on the intent reflected in the design plans and specifications. The Engineer of Record will remain responsible for design related services

**I. CTRMA Construction Coordination Support**

The GEC will support CTRMA in coordination and any interlocal agency agreements including exhibit preparation and supporting document preparation and assembly with the following agencies:

- Texas Department of Transportation (TxDOT)
- Federal Highway Administration (FHWA)
- Capitol Area Metropolitan Planning Organization (CAMPO)
- City of Austin
- Travis County
- Local Municipalities and Municipal Utility Districts
- Other Agencies as identified and as directed by CTRMA

**J. Notice of completion**

When the Project is complete the GEC will:

- Coordinate with the Developer and TxDOT in the generation of a punch list
- Inspection of punch list completion
- Verify there are no outstanding claims related to the Developer's work
- Provide a Notification of Completion to the CTRMA.

**TASK 4 – MATERIALS ACCEPTANCE TESTING (CODE 13730)**

The GEC will provide Quality Acceptance testing of materials incorporated into the project, coordinate materials testing operations, and review Material Test Reports. Materials Testing procedures will include:

**A. Quality Acceptance**

- Provide a Qualification Program for materials utilized by the project for the construction of the Project in accordance with the Quality Acceptance Program (QAP)
- Approve Developer's procedures and requirements for handling, storage, shipping, and preservation of materials incorporated into the work; including Corrective Action procedures for test or inspection failures, malfunctions or deficiencies
- Submit construction Quality Acceptance Material Certification letter monthly to CTRMA
- All material test results will be reviewed by the Construction Manager

**B. Verification**

- Implement a testing plan in compliance with TxDOT's Guide Schedule of Sampling and Testing for the Project
- Perform the testing of construction materials utilized on the project
- Prepare and manage Non-Compliance Reports (NCRs) for failing tests as appropriate
- Prepare control charts for applicable test values
- Provide materials advice as deemed necessary
- Maintain a material testing data base
- Review mill and shop inspection and laboratory tests and field tests of construction materials performed by the testing engineer and the off-site materials testing agency

**C. Independent Assurance Program**

- Implement the Independent Assurance (IA) program which evaluates all sampling and testing procedures, personnel, and equipment used as part of an acceptance decision
- Maintain documentation of all qualified individuals who perform required tests for acceptance of materials
- Verify that laboratories are qualified to perform testing
- Compose an annual report that will be submitted to TxDOT summarizing the results of the systems approach IA program

**TASK 5 – ENVIRONMENTAL COMPLIANCE (CODE 13730)**

The GEC will provide staff to review and report on the Developer's environmental compliance efforts. Specific activities include:

- Oversight review and audits of the Developer's Comprehensive Environmental Protection Program (CEPP)
- Review of environmental site assessments (ESAs) submitted by the Developer for right of way (ROW) parcels for the Project, as required
- Review of Phase II ESA proposed scopes of work and Investigative Work Plans for ROW parcels with potential Recognized Environmental Conditions discovered during the ESA process, as required
- Review and approve Developer's HAZMAT Plan
- Review letters to Affected Property Owners and meet with concerned citizens to discuss environmental issues, as required
- Review Archeological and Historic Property Phase I and II survey reports, Test /Data Recovery Plans and reports, and SHPO-FRHP nomination packages, as required
- Review design plans and design changes for conformance with environmental commitments

- Develop and maintain database to track and verify environmental commitments documented in the Environmental Documents and for permit compliance
- Monitor the Developer's activities to determine if environmental encounters are being promptly reported and managed in accordance with the CEPP, and applicable laws and regulations

#### **TASK 6 - PUBLIC INVOLVEMENT (CODE 13750)**

The GEC will provide staff as needed to support the CTRMA with the administration, management, and coordination of the overall D/B CDA public involvement oversight efforts. The GEC has included an allowance in Exhibit B to cover some public involvement activities such as:

##### **A. Public Information and Project Updates**

Public outreach concerning Project information and construction updates, including:

- Work with the Developer to develop Public Information Plan (PIP) for the Project
- Respond to public inquiries regarding the Project, specifically with the use of an e-mail hotline address

##### **B. Public Outreach Support**

Coordinate various public outreach meetings and events, as requested by the CTRMA; including:

- Small meetings and one-on-ones with stakeholders
- Project tours for visitors and other delegations

##### **C. Media Outreach Support**

Assist the CTRMA, as requested, with the following public and media outreach tasks:

- Provide content for updates on the CTRMA'S Project web site
- Issuance of Developer's public notices of traffic phase changes and local road detours and closures through the TxDOT District office
- Respond to media inquiries
- Respond to open record requests

#### **LIST OF ASSUMPTIONS**

##### **A. Project Scope**

The services provided by the GEC as described in this Work Authorization are based upon the Project scope as defined in the CDA scope of work and technical provisions.

##### **B. Project Schedule**

The services provided by the GEC as described in this Work Authorization are based upon the Project schedule as provided by the Developer in its proposal. Factors that affect the budget of this Work Authorization include:

- Design complete 250 calendar days after NTP
- Construction start 59 calendar days after NTP (excludes utility adjustments)
- Substantial completion 955 calendar days after NTP

- Planned construction shifts 5 days a week (with certain expected exceptions)
- Majority of operations requiring lane closures or road closures will occur at night

**C. Project Vehicles**

Vehicles will not be invoiced separately as they are included in the billing rate multiplier. Staff assigned to temporary duty on the Project will be reimbursed for personnel or rental vehicle usage in accordance with Exhibit C.

**D. Staff Labor and Overhead Rates**

Hourly rates and overhead rates shown in Exhibit B are estimates or averages used for the purpose of establishing the not to exceed budget for this work authorization. The actual rates used will be in accordance with Section 4, Compensation in the Agreement.

**[END OF ATTACHMENT]**



**Attachment B - Fee Estimate  
Manor Expressway - CDA Oversight Estimate  
2011 - 2014**

**GEC Project Oversight - Manor Expressway  
Summary Costs**

Task 1 - Project Management	\$	4,553,843
Task 2 - Design Oversight	\$	4,789,529
Task 3 - Construction Oversight	\$	11,060,679
Task 4 - Material Acceptance Testing	\$	2,136,082
Task 5 - Environmental Compliance	\$	303,878
Task 6 - Public Involvement	\$	369,752
Total Expenses	\$	93,600
<b>TOTAL</b>	<b>\$</b>	<b>23,307,363</b>

**GEC Project Oversight - Manor Expressway  
Costs by Subconsultant**

Kfriese and Associates, Inc.	\$	1,407,647
Group Solutions RJW	\$	346,752
Bury Partners	\$	539,479
McGray & McGray	\$	25,920
Loomis Partners, Inc.	\$	72,071
Rodriguez Transportation Group	\$	741,980
Rodriguez Engineering Lab	\$	818,185
Terracon	\$	40,200
Pave Tex	\$	1,317,897
Kleinfelder	\$	20,000
HVJ Associates, Inc.	\$	117,680
<b>TOTAL</b>	<b>\$</b>	<b>5,447,811</b>

**GEC Project Oversight - Manor Expressway  
Costs by DBE Firm**

Kfriese and Associates, Inc.	\$	1,407,647
Group Solutions RJW	\$	346,752
Pave Tex	\$	1,317,897
Rodriguez Transportation Group	\$	741,980
Rodriguez Engineering Lab	\$	818,185
McGray & McGray	\$	25,920
HVJ Associates, Inc.	\$	117,680
<b>TOTAL</b>	<b>\$</b>	<b>4,776,061</b>

Attachment B - Fee Estimate
Manor Expressway - CDA Oversight Estimate
2011 - 2014

Table with columns for task categories (TASK 1-PROJECT MANAGEMENT, TASK 2-DESIGN OVERSIGHT, TASK 3-CONSTRUCTION OVERSIGHT, TASK 4-MATERIALS ACCEPTANCE TESTING, TASK 5-ENVIRONMENTAL COMPLIANCE, TASK 6-PUBLIC INVOLVEMENT), monthly estimates (Est. Jan-11 to Dec-11), and 2011 totals (Hourly Rate, Burden Rate, Sum Hrs., Total Dollars).

Task 1 - Project Management 2011 \$972,647.00
Task 2 - Design Oversight 2011 \$2,000,802.56
Task 3 - Construction Oversight 2011 \$1,651,695.75
Task 4 - Materials Acceptance Testing 2011 \$372,501.86
Task 5 - Environmental Compliance 2011 \$66,965.54
Task 6 - Public Involvement 2011 \$80,764.00
GEC Expenses 2011 \$19,200.00







**Attachment B - Fee Estimate  
Manor Expressway - CDA Oversight Estimate  
2011 - 2014**

CDA Oversight Expenses		
<u>Expense</u>	<u>Monthly Amount</u>	<u>Comments</u>
Mileage	\$ 1,000.00	5 people at 100 miles/week each (\$0.50/mile)
Parking	\$ 400.00	5 people at \$20/week each
Scanner	\$ 500.00	Assume \$500/month lease
Document Control Software	\$ -	Assume McLaren software will be used
Office Supplies	\$ 500.00	Assume \$500/month
<b>Total Monthly Expenses</b>	<b>\$ 2,400.00</b>	