



**CENTRAL TEXAS  
Regional Mobility Authority**

## AGENDA ITEM #4 SUMMARY

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Approve a supplement to the work authorization with Jacobs Engineering Group Inc. for preliminary engineering and environmental services for the MoPac South project.

Strategic Plan Relevance: Regional Mobility

Department: Engineering

Associated Costs: \$191,671

Funding Source: General Fund, Reimbursed through an Advanced Funding Agreement with Texas Department of Transportation

Board Action Required: Yes

Description of Matter:

The Board approved Jacobs Engineering Work Authorization No. 1 to provide preliminary engineering and environmental services required to assist the Mobility Authority related to the MoPac South Project and MoPac South Overpasses Project at their March 27, 2013 meeting. In August of 2014, the project scope and deliverable was revised from a Categorical Exclusion to an Environmental Assessment for the proposed MoPac South Overpasses Project located in Travis County, Texas. This Supplement provides for support continuation of current activities and the inclusion of additional activities. These activities include: alternatives development and evaluation, environmental studies, public involvement, preliminary engineering, field survey, hydraulic studies, and schematic development.

Reference documentation:

Draft Resolution

Draft Supplement No. 1 to Work Authorization No. 1

Contact for further information:

Wesley M. Burford, P.E., Director of Engineering

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

**RESOLUTION NO. 14-\_\_\_**

**APPROVING A SUPPLEMENT TO THE WORK AUTHORIZATION WITH  
JACOBS ENGINEERING GROUP INC. FOR PRELIMINARY ENGINEERING  
AND ENVIRONMENTAL SERVICES FOR THE MOPAC SOUTH PROJECT.**

WHEREAS, by Resolution No. 13-022 dated March 27, 2013, the Board of Directors authorized the Executive Director to finalize and execute a professional services contract with Jacobs Engineering Group Inc. (“Jacobs”) for preliminary engineering and environmental services for development of the MoPac South Project; and

WHEREAS, the scope of services needed for the MoPac South Project has increased as a result of the decision by the Texas Department of Transportation to revise the environmental review process for proposed improvements to intersections on MoPac South at Slaughter Lane and at La Crosse Avenue; and

WHEREAS, the Executive Director and Jacobs have discussed and agreed to a supplement to the work authorization for Jacobs to provide the expanded scope of services, a copy of which has been provided to the Board as agenda backup information for this resolution.

NOW, THEREFORE, BE IT RESOLVED that the Board hereby authorizes the Executive Director to negotiate and execute a supplement to the work authorization with Jacobs in the form or substantially the form provided to the Board as agenda backup information, in an amount not to exceed \$191,671.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 19<sup>th</sup> day of December, 2014.

Submitted and reviewed by:

Approved:

\_\_\_\_\_  
Andrew Martin, General Counsel  
Central Texas Regional Mobility Authority

\_\_\_\_\_  
Ray A. Wilkerson  
Chairman, Board of Directors  
Resolution Number 14-\_\_\_  
Date Passed: 9/24/14

**ATTACHMENT C-2**

**SUPPLEMENTAL WORK AUTHORIZATION NO. 1  
TO WORK AUTHORIZATION NO. 1  
CONTRACT FOR ENGINEERING SERVICES**

**THIS SUPPLEMENTAL WORK AUTHORIZATION** is made pursuant to the terms and conditions of Article 4 of the Contract for Engineering Services (the Contract) entered into by and between the Central Texas Regional Mobility Authority (the Authority) and Jacobs Engineering Group Inc. (the Engineer) dated April 15, 2013.

The following terms and conditions of Work Authorization No. 1 are hereby amended as follows:

**PART I.** The engineering services generally described as MoPac South Intersections Project are amended to include the services describe in Exhibits A, B and C which are attached hereto and made a part of the Supplemental Work Authorization.

**PART II.** The maximum amount payable under this Work Authorization is increased by **\$191,671** and the method of payment is Cost Plus. This amount is based upon the Engineer's estimated Work Authorization costs included in Exhibit D, Fee Schedule, which is attached and made a part of this Supplemental Work Authorization. This will increase the not to exceed amount for WA 1 from **\$5,999,205** to **\$6,190,876**.

This Supplemental Work Authorization shall become effective on the date of final execution of the parties hereto. All other terms and conditions of Work Authorization No. 1 not hereby amended are to remain in full force and effect.

**IN WITNESS WHEREOF**, this Supplemental Work Authorization is executed in duplicate counterparts and hereby accepted and acknowledged below.

**THE ENGINEER**

**CENTRAL TEXAS REGIONAL  
MOBILITY AUTHORITY**

\_\_\_\_\_  
Kevin Conner  
Central Texas Operations Manager

\_\_\_\_\_  
Mike Heiligenstein  
Executive Director

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Date)

## **EXHIBIT A**

### **SERVICES TO BE PROVIDED BY THE AUTHORITY**

The Authority shall perform and provide the following in a timely manner so as not to delay the Services to be provided by the Engineer:

1. Authorize the Engineer in writing to proceed.
2. Render reviews, decisions and approvals as promptly as necessary to allow for the expeditious performance of the Services to be provided by the Engineer.
3. Provide timely reviews and decisions in response to the Engineer's request for information and/or required submittals and deliverables, in order for Engineer to maintain the agreed-upon work schedule.
4. Provide the traffic engineering studies for the alternatives analysis, environmental analyses, and operations analysis for the schematic design.
5. Maintain the Project Website.
6. Provide the Engineer with relevant data available to the Mobility Authority related to people, agencies and organizations interested in the proposed project.

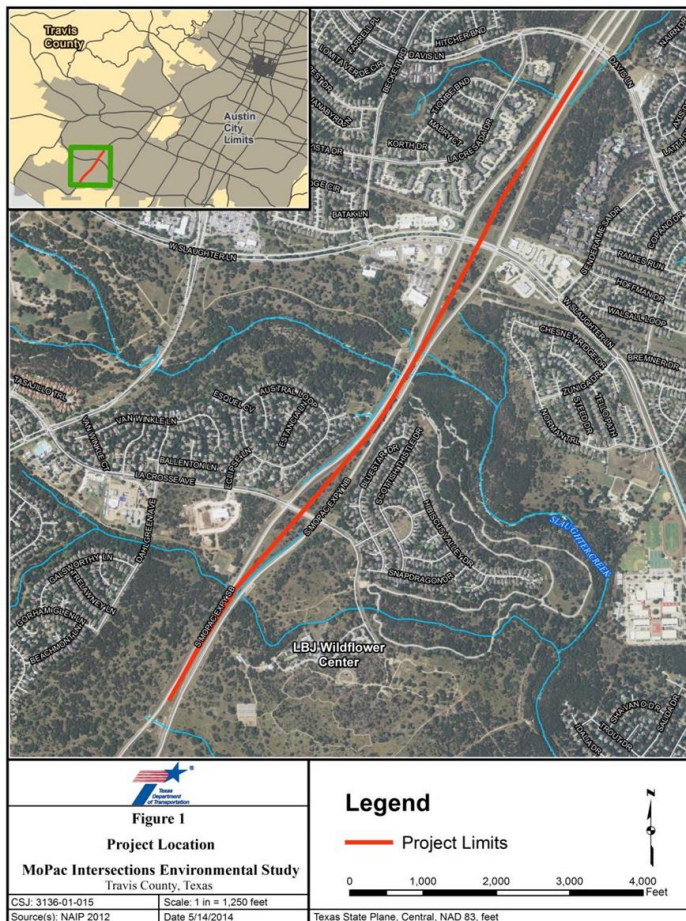
## EXHIBIT B

### SERVICES TO BE PROVIDED BY THE ENGINEER

#### I. INTRODUCTION

The Central Texas Regional Mobility Authority (Mobility Authority) and Jacobs Engineering Inc. (ENGINEER) entered into a Contract for Engineering Services on April 17, 2013, the Scope of Services for which included the MoPac South Overpasses Project (Project). The Project, authorized under Work Authorization #1, generally consisted of alternatives development and evaluation, environmental studies, public involvement, preliminary engineering, design, field survey, hydraulic studies, and schematic development for the Mobility Authority’s proposed MoPac South Overpasses Project, subsequently termed the Mopac Intersections Environmental Study, located in Travis County, Texas. (See **Figure 1, Project Location**).

During development of the Project, a decision was made to re-classify the environmental document being prepared pursuant to the National Environmental Policy Act of 1969 (NEPA). Rather than a Categorical Exclusion (CE) document, the Texas Department of Transportation (TxDOT) and Mobility Authority have decided to prepare an Environmental Assessment (EA) document (abbreviated format). This Supplemental Work Authorization #1 to Work Authorization #1 provides for the additional tasks and effort related to the change in the NEPA document classification.



## **II. PROJECT MANAGEMENT AND ADMINISTRATION**

For an additional 12 months, the ENGINEER shall continue to perform project administration and coordination duties, including contract administration, project management, meeting minutes of all meetings and telephone conversations, and other related administrative tasks associated with the Project, including:

### **A. PROJECT MANAGEMENT AND ADMINISTRATION**

#### **Task 1: Progress Reports and Invoices**

The ENGINEER shall continue to prepare monthly invoices and progress reports for the work tasks and provide evidence of work accomplished during the time period since the previous report. Monthly progress reports shall be submitted and shall include: activities completed, initiated, or ongoing during the reporting period; activities planned for the coming period; problems encountered and actions to remedy them; overall status, including a tabulation of percentage complete by task; and updated project schedules.

#### **Task 2: Record Keeping and File Management**

The ENGINEER shall continue to maintain all records and files related to the project throughout the duration of the services. See Section on **Submittals and Deliverables** for additional information.

#### **Task 3: Correspondence**

For the Project, continue to prepare written materials, letters, survey forms etc. used to solicit information or collect data for the project and submit them to the Mobility Authority for review and approval prior to use or distribution. A letter of transmittal shall accompany each document submittal to the Mobility Authority. At a minimum, the letter of transmittal shall include the Project Name, State CSJ number, County, and project limits.

#### **Task 4: Schedule**

For the Project, continue to prepare a detailed, graphic schedule linking Work Authorization tasks, subtasks, critical dates, milestones, deliverables and the required reviews using the latest version of Primavera [the Mobility Authority General Engineering Consultant (GEC) will utilize Primavera P6 for project master schedule] or SureTrak® software in accordance with the State's Administrative Circular No. 17-93. The project schedule shall be in a format, which depicts the order and interdependence of the various tasks, subtasks, milestones, and deliverables for each of the tasks identified therein. Progress shall be reviewed monthly for conformance to the contracted work schedule and should these reviews indicate a substantial change in progress, a recovery plan will be developed by the ENGINEER and provided to the Mobility Authority.

### **B. COORDINATION – Included as part of MoPac South Environmental Study.**

### **C. QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)**

The ENGINEER shall continue to provide quality assurance and quality control (QA/QC) in accordance with the QA/QC plan.

### **D. SUBMITTALS AND DELIVERABLES**

The ENGINEER shall continue to deliver each submittal in accordance with the milestones shown in the contracted Work Schedule.

#### **Deliverables**

- 12 monthly invoices and progress reports
- 12 monthly schedule updates

## **III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY**

### **A. ROUTE AND DESIGN STUDIES**

#### **Task 1: Design Schematics**

- a. The ENGINEER will develop a preliminary design for noise barriers for use in the Noise Workshops:
  1. Assess the feasibility of each proposed location and recommend a construction type most appropriate for each site.
  2. Identify issues associated with proposed barriers and drainage constraints.
  3. Assess the feasibility of aesthetic treatments and collect sample cost estimates for various aesthetic treatments
  4. Identify limits of clearing and impacts associated with proposed barriers.
  5. Provide preliminary quantities and construction cost estimates for each proposed barrier.
  6. Prepare typical details for aesthetic concept development.
  7. Revise details for preferred aesthetic treatments and wall types.
  8. Develop preliminary wall layouts

#### **Deliverables**

- Preliminary quantities and a construction cost estimate for each proposed noise barrier
- Preliminary noise wall layout

### **B. SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT**

**Task 1: Project Scope for Environmental Review Document -- Not included.**

**Task 2: Environmental Document Preparation**

#### **Subtask A: Draft Environmental Assessment (EA)**

- a. The ENGINEER shall prepare an EA (abbreviated format) that shall include discussions of

- purpose and need, existing and proposed design, alternative descriptions, alternatives analysis, air/noise computer modeling, historical/archeological assessment, wildlife and endangered species review, right-of-way, displacements, socioeconomic analysis and environmental justice impacts, water quality, wetlands, floodplains, aesthetics/visual effects, and construction impacts as well as indirect and cumulative impacts. Assume the abbreviated EA will evaluate a No-Build Alternative and Build Alternative, and that the content will come from the various technical memoranda previously prepared by the ENGINEER and currently under revision in response to TxDOT's comments.
- b. The ENGINEER shall prepare the following exhibits: vicinity map, floodplain map, existing and proposed typical sections, line diagrammatic schematic, noise receiver location map, wetlands inventory map, USGS map, site photographs and and hazardous sites map.
  - c. Exhibits in the document shall be limited in size to 8 1/2" x 11" or 11" x 17" for ease of reproduction. Illustrations shall be developed using GIS (ArcView) and/or CADD (Microstation) software.
  - d. The ENGINEER shall schedule and attend a review meeting to be held with the Mobility Authority for the Project. The purpose of the review is for the ENGINEER to receive comments from the Mobility Authority, TxDOT (Austin District and ENV) and the FHWA.
  - e. The ENGINEER shall revise the abbreviated EA, addressing those comments obtained from the Mobility Authority, TxDOT Austin District, TxDOT ENV, FHWA, and Agency review.

#### **Deliverables**

- Draft EA (abbreviated format)
- Revised EA per review comments

#### **Subtask B: Final EA**

- a. After the public hearing, the ENGINEER shall update the environmental document. The ENGINEER shall address the engineering and environmental issues raised at the public hearing and effect disposition of same. This action is an important part of the study process and shall involve evaluating suggestions received as a result of the hearing. This shall be done in coordination with the Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA.
- b. The ENGINEER shall revise the draft environmental document to discuss changes to the preferred alternative in response to agency and public hearing comments, as required.
- c. The ENGINEER shall review the draft impacts section and revise this section to reflect the preferred alternative and pertinent comments received during the hearing. As appropriate, the ENGINEER shall include a summary of further agency comments and a discussion of results of agency coordination.
- d. The ENGINEER shall prepare and list public hearing comments and responses. This summary shall be included as an appendix to the environmental document, as appropriate.



- e. The ENGINEER shall submit the revised draft EA for Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA review.
- f. The ENGINEER shall revise the Final EA document to respond to Mobility Authority, TxDOT, FHWA, and Agency comments. Following final revisions, the ENGINEER shall provide to the Mobility Authority hard copies and CD ROMs of the Final EA.

**Deliverables**

- Draft Final EA
- Revised FINAL EA per review comments

**Subtask C: FONSI/Final Approval**

The ENGINEER shall prepare and submit to the Mobility Authority the Draft FONSI, as appropriate, for their use in obtaining final clearance of the Project. The Draft FONSI shall be submitted to the Mobility Authority following the submission and review of the Final EA.

**Deliverables**

- One electronic copy of a Draft FONSI

**Task 3: Noise Workshops**

- a. The ENGINEER shall conduct a Noise Workshop:
  1. The ENGINEER will conduct an initial internal workshop to review the location, length, height, utilities, ROW, constructability, vegetation impacts, etc. associated with each barrier. Participants will include the ENGINEER, the Mobility Authority, TxDOT, and the GEC.
  2. The ENGINEER will conduct one (1) noise workshop:
    - a. Develop talking points
    - b. Identify and document information to be communicated to the public (mailings, notices, advertising, etc.)
    - c. Develop a workshop agenda
    - d. Develop necessary exhibits such as:
      - i. aerial maps illustrating proposed barrier locations and property lines
      - ii. Graphics illustrating proposed barrier types (up to five)
      - iii. Graphic display of proposed surface treatments and colors
      - iv. Develop voting information and ballots
      - v. Produce handouts for noise workshop participants
      - vi. Develop PowerPoint presentation
      - vii. Provide fact sheets
    - e. Identify and propose for approval locations for the workshop. The ENGINEER will make recommendations of locations that are a convenient distance to the proposed barrier location, attempt to identify meeting locations that are free of charge, and recommend facilities for approval.
  3. The ENGINEER will assist the Mobility Authority in notifying property owners of the workshop:

- a. Prepare a draft notification packet for review and approval by the Mobility Authority.
  - b. Notification packets will be sent via certified mail, return receipt requested, to adjacent property owners 30 days prior to the workshop
  - c. If a return receipt is not received within 15 days of the mailing, a phone call will be placed to the property owner of record.
  - d. Provide door-hangers on the adjacent properties 7 days prior to the workshop.
4. The ENGINEER will assist the Mobility Authority in notifying other interested parties and local elected officials:
- a. Notify relevant elected officials
  - b. Notify City of Austin representatives
  - c. Notify other interested parties and neighborhood associations.
  - d. Post the schedule and meeting materials on the project website maintained by the Mobility Authority
5. The ENGINEER will compile documentation of workshop attendance. The ENGINEER will:
- a. Record the attendance of property owners who are eligible to vote on the noise barrier.
  - b. Record the attendance of other individuals, which may include representatives of neighborhood associations, community groups, agency staff, or elected officials.
  - c. Take photographs to document the meeting.
6. The ENGINEER will develop a draft summary of the results of the noise workshop process to document the outcome and provide design information to the design team. Upon review and approval of the draft summary, the ENGINEER will provide a Final Summary Report.

#### **Deliverables**

- Noise workshop draft and final summary report

#### **Task 4: Environmental Support Services**

##### **Subtask A: Administrative Record (AR)**

The ENGINEER shall establish, track, organize and manage the project's administrative record, which is the written record supporting the agency's decisions. The documents and materials shall be organized in chronological order by date and indexed. The index should include a brief description of each document. The index should be updated on a regular basis and a copy of the index provided to the Mobility Authority. The administrative record shall be maintained by the ENGINEER throughout the duration of this work authorization. Documentation and materials to be compiled as part of the AR include:

- a. Privileged and non-privileged documents and materials (once the AR is compiled, protected documents and materials shall be retracted or removed from the record. The index shall identify the documents or materials, reflect that they are being withheld, and state on what basis they are being withheld.)
- b. Draft and final documents and materials

- c. Technical information, sampling results, survey information, engineering reports or studies
- d. E-Mail messages and attachments
- e. Correspondence and attachments
- f. Documented communications among organizations involved in the project
- g. Policies, guidelines, directives, and manuals relevant to the development of project NEPA documentation
- h. Modeling results and factual data
- i. Public involvement materials, communications, comments, and other information that documents public participation in the project
- j. Meeting minutes or transcripts
- k. Maps, drawings, and displays
- l. Photographs
- m. Field and personal notes (under special circumstances)
- n. Primary Sources

An index and a database of documents contained within the AR shall be created and maintained in chronological order by the ENGINEER. The index shall have a cover page that shall include the title of the project, date that the AR was originally compiled, date(s) AR was updated. In addition, the index would have a brief introduction and preface that explains the contents of the index, how it was organized, how to use the index, as well as a brief project description. The majority of the index would comprise a matrix that contains the following information for each item within the AR:

- a. Temporary number that corresponds to a number placed on the item
- b. Date of document or material development
- c. Author of document or material
- d. Recipient of document or material
- e. Title or Description of document or material
- f. Number of Pages

A permanent number may be placed on the documents when the AR is complete or is reviewed by appropriate personnel.

Each information item (see above) with regards to each AR item shall be designated as a separate field within the database. The database and index shall be burned onto a CD(s) and placed within the AR along with a hardcopy of the index (matrix). The database can be used to prepare a variety of reports with regards to the AR sorted by any of the fields.

Provide an electronic copy of the AR on a compact disk (CD) and the documents not already in electronic format will be scanned. The scanned documents will be legible.

**Deliverables**

- Indexed Project Record
- Indexed and numbered Administrative Record, electronic file and hard copy

**Task 5: Public Involvement**

The ENGINEER shall perform public involvement activities in accordance with 43 TAC 2.40 – 2.50 as well as with the current version of TxDOT’s environmental procedures manual.

**Subtask A: Public Involvement Plan**

The ENGINEER shall update the public involvement plan. Five copies of the public involvement plan shall be submitted to the Mobility Authority, TxDOT Austin District and TxDOT ENV for review and approval.

**Deliverables**

- Updated Public Involvement Plan

**Subtask B: Stakeholder Engagement**

- a. The ENGINEER shall update the mailing list of people, agencies and organizations interested in the proposed project. The Mobility Authority shall provide the ENGINEER with relevant data available to the Mobility Authority.
- b. The ENGINEER shall provide content for inclusion on the Project Website or Public Engagement forum. Content could include, but not be limited to:
  1. Project description information
  2. Upcoming events and activities
  3. Project Reports and documentation
  4. Project newsletters and fact sheets
  5. Frequently Asked Questions
  6. Links to audio and video recordings of project events such as the Public Hearing
  7. Links to related websites
  8. Public engagement forum questions and responses
- c. The ENGINEER shall write, develop and publish up to two (2) E-Newsletters with the approval of the Mobility Authority for e-mail distribution to individuals on the project mailing list. The newsletter shall incorporate factual project-related articles, text and graphics as instructed and/or approved by the Mobility Authority, TxDOT and project team.

The project E-Newsletters shall be used to provide project information updates and announce upcoming meetings and events.

- d. Project Fact Sheets: The ENGINEER will:
  1. Prepare/update one (1) Fact Sheet to provide more in depth information on special project topics than can be provided in the project newsletter (e.g. explanation of alternatives, noise analysis and mitigation options, etc.). The fact sheet will be no longer than two (2) two-sided pages with appropriate graphics.
  2. Make the fact sheets available in PDF format on the project website and at public involvement activities including neighborhood and public meetings, project presentations, and noise workshops.
- e. Frequently Asked Questions (FAQs)  
The ENGINEER will prepare one (1) FAQ update, with responses, for approval by the Mobility Authority and TxDOT Austin District, and posting on the Project Website.
- f. Community Engagement:
  1. Conduct up to two (2) meetings with community groups to discuss the intersections project.
  2. Assist with up to three (3) agency-to-agency meetings.

#### **Deliverables**

- Updated Public Involvement Plan
- Updated project database/ mailing list
- Website content as described above
- Two (2) full-color, project e-newsletters
- One (1) Fact Sheet
- One (1) Frequently Asked Questions (FAQ) document
- Up to two (2) community meetings
- Up to three (3) agency-to-agency meetings and associated summaries

#### **Subtask C: Public Hearing**

The ENGINEER shall make all arrangements for one (1) Public Hearing. The Public Hearing shall be coordinated and held in accordance with the following:

1. The ENGINEER shall secure the hearing location, date and time (includes securing a/v equipment, chairs/tables, podium, etc.) In the interest of the community outreach and cost, the ENGINEER should ideally pursue non-commercial, community sites for the Public Hearing when possible.
2. The ENGINEER shall prepare and publish legal notices and Display Advertisements for the hearing. The ENGINEER shall prepare and distribute meeting notices, including postcard invitation and e-mail notice to the general public and elected officials, and distribution to the contacts on project databases. The ENGINEER shall provide the Mobility Authority draft copies of legal notices and display ads at least three (3) weeks prior to first publication date. The ENGINEER's effort with respect to display ads and postcards shall be limited to supplying text only; design and layout will be provided by others.

3. The ENGINEER shall prepare hearing handouts, agendas, name tags, sign-in sheets, speaker cards, comment cards and a Power Point presentation with accompanying speech. Up to four (4) typical sections and up to ten (10) exhibit boards shall be prepared by the ENGINEER for the hearing.
4. The ENGINEER shall provide a translator, if needed, and audio/video equipment (projector, screen, microphones, podium, etc.), if needed.
5. The ENGINEER shall provide a court reporter for the Hearing.
6. The ENGINEER shall compile and prepare responses to comments at the Hearing.
7. The ENGINEER shall make up to two (2) rounds of revisions on all meeting materials. The ENGINEER shall obtain the Mobility Authority's approval on all materials prior to production or publication.
8. The ENGINEER shall arrange up to four (4) pre-meetings with the Mobility Authority and TxDOT to review all exhibits and other materials to be used at the hearing.
9. The ENGINEER shall provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make presentations, and answer questions.
10. The ENGINEER shall develop and submit to the Mobility Authority a Public Hearing Summary and Analysis Report. This report shall contain the outreach, notifications, and contacts conducted prior to the hearing; hearing details such as presentations, attendance, court reporter transcript, and pertinent details regarding the hearing; and a comment and response section that documents comments received before, during and after the hearing, and a response to each. The Public Hearing Summary and Analysis Report shall be sufficiently detailed to provide a full record of officially submitted comments from the hearing.

**Deliverables**

- Public Hearing legal notices, display advertisements/postcards (text only)
- Public Hearing room layout, staffing assignments, guidelines, nametags and event signage
- Public Hearing Summary and Analysis Report (draft and final), including court reporter transcripts

## **EXHIBIT C WORK SCHEDULE**

The Engineer shall complete the work described in ATTACHMENT B, SERVICES TO BE PROVIDED BY THE ENGINEER, within 365 calendar days of receiving the Notice to Proceed from the Authority, unless permitted otherwise by the Authority.

# EXHIBIT D FEE SCHEDULE

## MoPac Intersections Environmental Study

Draft: November 6, 2014

Work Authorization #1		Contract Maximum			Expended through October 24, 2014			Balance Remaining as of October 24, 2014			Estimate to Complete			Notes
Firm	Description of Work	Labor	ODE	Total	Labor	ODE	Total	Labor	ODE	Total	Labor	ODE	Total	Items to Complete
Jacobs	Project Management, Design, Environmental Documentation, Support Services and Public Involvement	\$ 744,608	\$ 48,934	\$ 793,543	\$ 741,064	\$ 8,555	\$ 749,619	\$ 3,544	\$ 40,379	\$ 43,924	\$ 3,544	\$ 40,379	\$ 43,924	tech memo revisions, risk assessment, open house #2, CE checklist
Michael Barrett, PhD.	Water Quality	\$ 18,720	\$ -	\$ 18,720	\$ 14,220	\$ -	\$ 14,220	\$ 4,500	\$ -	\$ 4,500	\$ 4,500	\$ -	\$ 4,500	tech memo revisions, risk assessment, open house #2
Don Martin Public Affairs	Public Involvement and Community Engagement	\$ 8,140	\$ 209	\$ 8,349	\$ 4,542	\$ -	\$ 4,542	\$ 3,598	\$ 209	\$ 3,807	\$ 3,598	\$ 209	\$ 3,807	open house #2
Group Solutions RIJW	Public Involvement and Community Engagement	\$ 84,138	\$ 14,786	\$ 98,924	\$ 59,626	\$ 7,286	\$ 66,912	\$ 24,512	\$ 7,500	\$ 32,012	\$ 24,512	\$ 7,500	\$ 32,012	open house #2
Hicks & Company	Environmental Studies and Documentation	\$ 22,599	\$ 522	\$ 23,121	\$ 19,444	\$ -	\$ 19,444	\$ 3,156	\$ 522	\$ 3,677	\$ 3,156	\$ 522	\$ 3,677	tech memo revisions, risk assessment, open house #2
K Friese & Associates	Drainage Design and Water Quality	\$ 67,068	\$ -	\$ 67,068	\$ 64,614	\$ -	\$ 64,614	\$ 2,454	\$ -	\$ 2,454	\$ 2,454	\$ -	\$ 2,454	tech memo revisions, risk assessment, open house #2
SAM Inc.	Aerial Mapping and Surveying	\$ 32,977	\$ 8,409	\$ 41,386	\$ 37,511	\$ 3,870	\$ 41,381	\$ (4,534)	\$ 4,539	\$ 5	\$ -	\$ -	\$ -	complete
LBJ Wildflower Center	Soils & Vegetation	\$ 18,720	\$ 108	\$ 44,723	\$ 17,651	\$ -	\$ 17,651	\$ 1,070	\$ 108	\$ 1,178	\$ (24,931)	\$ -	\$ (24,931)	\$26K transfer to Zara for risk assessment
Zara Environmental	Environmental Studies and Documentation	\$ 81,287	\$ 2,095	\$ 57,382	\$ 81,967	\$ 331	\$ 82,298	\$ (680)	\$ 1,764	\$ 1,084	\$ 25,320	\$ 1,764	\$ 27,084	\$26K transfer from LBJ for risk assessment; tech memo revisions, open house #2
<b>Total</b>		<b>\$ 1,078,258</b>	<b>\$ 75,063</b>	<b>\$ 1,153,216</b>	<b>\$ 1,040,638</b>	<b>\$ 20,043</b>	<b>\$ 1,060,680</b>	<b>\$ 37,620</b>	<b>\$ 55,020</b>	<b>\$ 92,641</b>	<b>\$ 42,154</b>	<b>\$ 50,373</b>	<b>\$ 92,527</b>	

<b>WA #1 Summary</b>	<b>Maximum</b>	<b>\$ 1,153,216</b>
	<b>Expended</b>	<b>\$ 1,060,680</b>
	<b>Estimate to Complete</b>	<b>\$ 92,527</b>
	<b>Estimate at Complete</b>	<b>\$ 1,153,208</b>

Supplemental Work Authorization #1 Fee Estimate					Adjusted SWA #1 Fee Estimate						Notes
Firm	Description of Work	Labor	ODE	Total	Labor	ODE	Total	Percent of Total	DBE Total	Percent DBE	
Jacobs	Project Management, Design, Environmental Documentation, Support Services and Public Involvement	\$ 161,224	\$ 2,500	\$ 163,724	\$ 125,224	\$ 2,500	\$ 127,724	63%	\$ -	0%	Estimate includes \$36K open house carry-over from WA#1.
Michael Barrett, PhD.	Water Quality	\$ 5,940	\$ -	\$ 5,940	\$ 5,940	\$ -	\$ 5,940	2%	\$ -	0%	
Don Martin Public Affairs	Public Involvement and Community Engagement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0%	\$ -	0%	
Group Solutions RIJW	Public Involvement and Community Engagement	\$ 53,948	\$ 15,680	\$ 69,628	\$ 29,436	\$ 8,181	\$ 37,617	27%	\$ 69,628	27%	Estimate includes \$32K open house carry-over from WA#1.
Hicks & Company	Environmental Studies and Documentation	\$ 5,468	\$ -	\$ 5,468	\$ 5,468	\$ -	\$ 5,468	2%	\$ 5,468	2%	
K Friese & Associates	Drainage Design and Water Quality	\$ 5,856	\$ -	\$ 5,856	\$ 5,856	\$ -	\$ 5,856	2%	\$ 5,856	2%	
SAM Inc.	Not Applicable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0%	\$ -	0%	
LBJ Wildflower Center	Soils & Vegetation	\$ 5,019	\$ -	\$ 5,019	\$ 5,019	\$ -	\$ 5,019	2%	\$ -	0%	
Zara Environmental	Environmental Studies and Documentation	\$ 4,048	\$ -	\$ 4,048	\$ 4,048	\$ -	\$ 4,048	2%	\$ 4,048	2%	
<b>Total</b>		<b>\$ 241,502</b>	<b>\$ 18,180</b>	<b>\$ 259,682</b>	<b>\$ 180,990</b>	<b>\$ 10,681</b>	<b>\$ 191,671</b>	<b>100%</b>	<b>\$ 85,000</b>	<b>33%</b>	



MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1	Jacobs Hours	Jacobs Dollars	Barrett Hours	Barrett Dollars	Group Solutions Hours	Group Solutions Dollars	Hicks Hours	Hicks Dollars	Kfrieese Hours	Kfrieese Dollars	Wildflower Hours	Wildflower Dollars	Zara Hours	Zara Dollars	Total Hours	Total Dollars	Subtotal Labor Cost	Percent
<b>II. Project Management and Administration</b>																	\$ 31,428	13%
<b>A. Project Management and Administration</b>																		
Task 1: Provide monthly progress reports and invoices (12)	36	\$ 5,297.95	12	\$ 2,160	16	\$ 2,012.00	18	\$ 1,754	18	\$ 1,749.90	18	\$ 2,709	18	\$ 1,604	136	\$ 17,287		
Task 2: Provide record keeping and file management	18	\$ 2,224.26	6	\$ 1,080	12	\$ 1,020.00	6	\$ 362	4	\$ 192.68	0	\$ -	0	\$ -	46	\$ 4,879		
Task 3: Provide project correspondence	8	\$ 969.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	8	\$ 969		
Task 4: Prepare monthly schedule updates (12)	36	\$ 5,297.95	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	36	\$ 5,298		
<b>B. Coordination</b>	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
Schedule, attend and conduct Agency Coordination with CTRMA, TxDOT and FHWA (24 meetings assumed)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
Develop agendas, action items and meeting minutes for all meetings	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
<b>C. Quality Assurance/quality control (QA/QC)</b>	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
Provide Certification of QA/QC at deliverable milestones	18	\$ 2,995.46	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	18	\$ 2,995		
<b>III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY</b>																	\$ 15,293	6%
<b>A. Route and Design Studies</b>																		
<b>Task 1: Design Schematics</b>																		
Develop preliminary noise barrier design	19	\$ 2,570.25	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	19	\$ 2,570		
Assess the feasibility of each proposed location and recommend a construction type most appropriate for each site	13	\$ 2,037.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	13	\$ 2,037		
Identify issues associated with proposed barriers and drainage constraints	11	\$ 1,591.52	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	11	\$ 1,592		
Assess the feasibility of aesthetic treatments and collect sample cost estimates for various aesthetic treatments	7	\$ 1,027.73	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	7	\$ 1,028		
Identify limits of clearing and impacts associated with proposed barriers	7	\$ 1,063.93	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	7	\$ 1,064		
Provide preliminary quantities and construction cost estimates for each proposed barrier	8	\$ 1,128.89	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	8	\$ 1,129		
Prepare typical details for aesthetic concept development	11	\$ 1,577.43	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	11	\$ 1,577		
Revise details for preferred aesthetic treatments and noise wall types	8	\$ 1,222.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	8	\$ 1,222		
Develop preliminary noise wall layouts	25	\$ 3,074.38	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	25	\$ 3,074		
<b>B. Social, Economic and Environmental Studies and Public Involvement</b>																		
<b>Task 1: Project Scope for Environmental Review Document</b>																		
Prepare Project Scope for Environmental Review document	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		0.00%
Conduct Workshop to finalize Project Scope for Environmental Review	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
<b>Task 2: Environmental Document Preparation</b>																	\$ 49,914	21%
<b>Subtask A: Draft Environmental Assessment (EA)</b>																		
Prepare the draft EA for the project	124	\$ 18,385.86	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	124	\$ 18,386		
Schedule and attend an environmental document review meeting with the Mobility Authority	6	\$ 934.64	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	6	\$ 935		
Revise the EA, addressing comments obtained from the Mobility Authority, TxDOT Austin District, TxDOT ENV, FHWA, and Agency review	40	\$ 5,609.96	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	40	\$ 5,610		
<b>Subtask B: Final EA</b>																		
Update the environmental document after the Public Hearing	72	\$ 9,794.23	2	\$ 360	0	\$ -	4	\$ 627	2	\$ 383.86	0	\$ -	2	\$ 277	82	\$ 11,442		
Prepare and list public hearing comments and responses	16	\$ 1,904.41	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	16	\$ 1,904		
Submit the revised preliminary Final EA for Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA review	7	\$ 715.29	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	7	\$ 715		
Revise the Final EA document to respond to Mobility Authority, TxDOT, FHWA, and Agency comments	24	\$ 2,936.96	2	\$ 360	0	\$ -	2	\$ 313	2	\$ 383.86	0	\$ -	2	\$ 277	32	\$ 4,271		
Provide hard copies and CDs of the Final EA	5	\$ 462.53	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	5	\$ 463		
<b>Subtask C: FONSI/Final Approval</b>																		
Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)	52	\$ 6,188.93	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	52	\$ 6,189		
<b>Task 3: Noise Workshops</b>																	\$ 28,231	12%
Conduct an initial internal workshop with the Mobility Authority, TxDOT, and the GEC	9	\$ 1,518.91	0	\$ -	12	\$ 1,708.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	21	\$ 3,227		
Conduct one (1) noise workshop	6	\$ 1,258.62	0	\$ -	12	\$ 1,708.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	18	\$ 2,967		
Develop talking points for noise workshops	4	\$ 768.30	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	4	\$ 768		
Identify and document information to be communicated to the public (mailings, notices, advertising, etc.)	9	\$ 1,608.63	0	\$ -	10	\$ 1,436.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	19	\$ 3,045		
Develop workshop agenda	4	\$ 712.85	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	4	\$ 713		
Develop exhibits for noise workshops including aerial maps with barrier locations and property lines, graphics of proposed barrier types, graphics of surface treatments and colors, perspective drawings, voting information / ballots, handouts, PowerPoint presentation and fact sheet	40	\$ 6,423.22	0	\$ -	14	\$ 1,984.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	54	\$ 8,407		
Identify and propose for approval locations for the four (4) workshops	2	\$ 285.64	0	\$ -	8	\$ 1,228.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	10	\$ 1,514		
Prepare a draft noise workshop notification packet for review and approval	2	\$ 285.64	0	\$ -	12	\$ 1,228.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	14	\$ 1,514		
Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30 days prior to the workshop	2	\$ 285.64	0	\$ -	2	\$ 170.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	4	\$ 456		
Conduct followup phone calls for property owners who have not responded for noise workshop	0	\$ -	0	\$ -	4	\$ 340.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	4	\$ 340		
Provide door hangers on the adjacent properties	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
Notify other interested parties and local elected officials	2	\$ 285.64	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	2	\$ 286		
Develop a draft summary of the results of the noise workshop process to document the outcome	10	\$ 1,569.76	0	\$ -	20	\$ 2,428.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	30	\$ 3,998		
Provide final summary report of the noise workshop process	6	\$ 998.49	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	6	\$ 998		
<b>Task 4: Environmental Support Services</b>																	\$ 10,460	4%
<b>Subtask A: Administrative Record (AR)</b>																		
Establish, track, organize and manage the project's administrative record supporting the agency's decisions	40	\$ 5,229.81	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	40	\$ 5,230		

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1	Jacobs Hours	Jacobs Dollars	Barrett Hours	Barrett Dollars	Group Solutions Hours	Group Solutions Dollars	Hicks Hours	Hicks Dollars	Kfriese Hours	Kfriese Dollars	Wildflower Hours	Wildflower Dollars	Zara Hours	Zara Dollars	Total Hours	Total Dollars	Subtotal Labor Cost	Percent
Create and maintain an index and a database of documents contained within the AR	40	\$ 5,229.81	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	40	\$ 5,230		
<b>Task 5: Public Involvement</b>	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -			\$ 106,176	44%
<b>Subtask A: Public Involvement Plan</b>	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
Update the public involvement plan and submit five copies to the Mobility Authority, TxDOT Austin District and TxDOT ENV for review and approval	2	\$ 356.42	0	\$ -	5	\$ 685.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	7	\$ 1,041		
<b>Subtask B: Stakeholder Engagement</b>	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
Update the mailing list	0	\$ -	0	\$ -	12	\$ 1,644.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	12	\$ 1,644		
Provide content for inclusion on the Project Website	3	\$ 499.24	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	3	\$ 499		
Assist with monitoring, responding to, and developing content vis-à-vis the project's E-Mail Hotline and Twitter-Account; assist with one general information mailout	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
Develop up to two (2) e-newsletters for e-mail distribution to the project mailing list. Jacobs will develop an initial draft of text, GEC will manage review process, develop graphics, place content into newsletter layout and distribute.	6	\$ 955.10	0	\$ -	8	\$ 1,096.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	14	\$ 2,051		
Develop content for one (1) update of the Project Fact Sheet. Jacobs will develop an initial draft of text, GEC will manage review process, develop graphics, place content into fact sheet layout.	6	\$ 955.10	0	\$ -	4	\$ 548.00	0	\$ -	0	\$ -	0	\$ -	1	\$ 138	11	\$ 1,641		
Mail fact sheets to community members upon request	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
One (1) update of FAQs currently posted to the website, including responses, for approval by the Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA and posting on the project website. Assumes Jacobs will develop the initial draft update of the FAQs. GEC/CTRMA will manage review process and once approved post to website.	4	\$ 669.46	1	\$ 180	4	\$ 548.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	9	\$ 1,397		
Develop and maintain a list of potential community members (neighborhood associations, special interest groups, business associations, etc.) to contact for informal meetings/discussions	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
Send project information to community groups and offer to meet with them; respond to requests from community members for meetings with project staff	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
Conduct up to two (2) meetings with community groups. Assumes attendance at a community sponsored event, not a separate meeting.	28	\$ 3,511.18	0	\$ -	12	\$ 1,644.00	0	\$ -	6	\$ 1,009.32	0	\$ -	0	\$ -	46	\$ 6,165		
Assist with up to three (3) agency-to-agency meetings.	18	\$ 3,064.09	3	\$ 540	0	\$ -	3	\$ 470	0	\$ -	0	\$ -	3	\$ 478	27	\$ 4,552		
Coordinate with the Mobility Authority and TxDOT on meeting logistics	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
Maintain a complete correspondence file for the stakeholder meetings	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
Prepare a neighborhood meeting summary for each meeting	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
Coordinate and hold up to twenty (20) stakeholder interviews and meetings and prepare meeting summaries. The CTRMA will handle this effort, no hours are provided.	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
<b>Subtask C: Public Hearing</b>	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
Secure the hearing location, date and time (includes securing a/v equipment, chairs/tables, podium, etc.)	0	\$ -	0	\$ -	24	\$ 3,174.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	24	\$ 3,174		
Prepare and publish legal notice for the hearing. Assumes one 30-day notice in published in the Austin Statesman. Jacobs to supply text for display ads; design and layout by others.	4	\$ 642.06	0	\$ -	18	\$ 2,466.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	22	\$ 3,108		
Prepare and distribute meeting notices, including one (1) postcard invitation and (1) one e-mail notice to the general public and elected officials, and distribution to the contacts on project databases. Jacobs will develop an initial draft of text (e-mail notice and postcard), GEC will develop graphics and place content into postcard/email format, once approved Jacobs will use every door direct to distribute postcard. CTRMA/GEC will distribute email to general public and elected officials.	4	\$ 712.85	0	\$ -	39	\$ 5,026.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	43	\$ 5,739		
Prepare hearing handouts, agendas, name tags, sign-in sheets, speaker cards, comment cards, Power Point presentation with accompanying speech, one planview of the Preferred Alternative, four (4) typical sections of the Preferred Alternative and ten (10) exhibit boards, including two (2) rounds of revisions.	120	\$ 15,456.97	0	\$ -	92	\$ 11,150.00		\$ 1,220	4	\$ 776.72	4	\$ 840	0	\$ -	220	\$ 29,444		
Provide a translator and audio/video equipment	0	\$ -	0	\$ -	1	\$ 85.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	1	\$ 85		
Provide a court reporter	0	\$ -	0	\$ -	1	\$ 137.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	1	\$ 137		
Compile and prepare responses to up to 125 comments (see B.2.B.) - Assumes two (2) rounds of revisions.	60	\$ 8,114.77	4	\$ 720	16	\$ 1,776.00	4	\$ 723	4	\$ 776.72	4	\$ 840	4	\$ 637	96	\$ 13,587		
Arrange up to six (4) pre-meetings with the Mobility Authority and TxDOT to review all exhibits and other materials to be used at the Hearing	14	\$ 2,424.18	0	\$ -	24	\$ 3,684.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	38	\$ 6,108		
Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make presentations, and answer questions	72	\$ 9,628.78	3	\$ 540	18	\$ 2,562.00	0	\$ -	3	\$ 582.54	3	\$ 630	4	\$ 637	103	\$ 14,580		
Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.	64	\$ 8,761.27	0	\$ -	21	\$ 2,461.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	85	\$ 11,222		
<b>Labor Total</b>	<b>1,152</b>	<b>\$ 161,224</b>	<b>33</b>	<b>\$ 5,940</b>	<b>421</b>	<b>\$ 53,948</b>	<b>37</b>	<b>\$ 5,468</b>	<b>43</b>	<b>\$ 5,856</b>	<b>29</b>	<b>\$ 5,019</b>	<b>34</b>	<b>\$ 4,048</b>	<b>1,749</b>	<b>\$ 241,502</b>	<b>\$ 241,502</b>	<b>100%</b>
<b>Other Direct Expenses Total</b>		<b>\$ 2,500</b>		<b>\$ -</b>		<b>\$ 15,680</b>		<b>\$ -</b>		<b>\$ -</b>		<b>\$ -</b>		<b>\$ -</b>		<b>\$ 18,180</b>		
<b>TOTAL</b>		<b>\$ 163,724</b>		<b>\$ 5,940</b>		<b>\$ 69,628</b>		<b>\$ 5,468</b>		<b>\$ 5,856</b>		<b>\$ 5,019</b>		<b>\$ 4,048</b>		<b>\$ 259,682</b>	<b>\$ 259,682</b>	

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1																		
TASK DESCRIPTION	Principal	Project Manager	Senior Engineer	Project Engineer/Asst. PM	Design Engineer	EIT	Senior Engineer Tech	Engineer Tech	Senior CADD Operator	CADD Operator	Senior Env Scientist / Planner	Env Scientist / Planner	Jr. Env.Sci. / Planner	Sr. GIS / Manager	GIS	Admin / Clerical / Project Controls	Total Hours	Labor Cost
Negotiated Raw Labor Rate Over Term of Contract (30 months)	\$108.00	\$85.52	\$68.15	\$57.18	\$45.33	\$40.50	\$47.73	\$32.86	\$42.51	\$41.02	\$82.45	\$44.40	\$32.00	\$63.47	\$51.71	\$45.62		
Negotiated Contract Rate	\$269.75	\$213.60	\$170.22	\$142.82	\$113.22	\$101.16	\$119.22	\$82.07	\$106.18	\$102.46	\$205.94	\$110.90	\$79.93	\$158.53	\$129.16	\$113.95		
<b>II. Project Management and Administration</b>																		
<b>A. Project Management and Administration</b>																		
Task 1: Provide monthly progress reports and invoices (12)			12														24	36 \$ 5,297.95
Task 2: Provide record keeping and file management			0		6												12	18 \$ 2,224.26
Task 3: Provide project correspondence			0		2												6	8 \$ 969.31
Task 4: Prepare monthly schedule updates (12)			12														24	36 \$ 5,297.95
<b>B. Coordination</b>																		
Schedule, attend and conduct Agency Coordination with CTRMA, TxDOT and FHWA (24 meetings assumed)			0	0	0													0 \$ -
Develop agendas, action items and meeting minutes for all meetings			0		0													0 \$ -
<b>C. Quality Assurance/quality control (QA/QC)</b>																		
Provide Certification of QA/QC at deliverable milestones			6		12												0	18 \$ 2,995.46
<b>III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY</b>																		
<b>A. Route and Design Studies</b>																		
<b>Task 1: Design Schematics</b>																		
Develop preliminary noise barrier design			1	4	5	3	3			3								19 \$ 2,570.25
Assess the feasibility of each proposed location and recommend a construction type most appropriate for each site			1	4	8													13 \$ 2,037.03
Identify issues associated with proposed barriers and drainage constraints			1	3	3	2				2								11 \$ 1,591.52
Assess the feasibility of aesthetic treatments and collect sample cost estimates for various aesthetic treatments			1	3						3								7 \$ 1,027.73
Identify limits of clearing and impacts associated with proposed barriers			1	3		3												7 \$ 1,063.93
Provide preliminary quantities and construction cost estimates for each proposed barrier			1	3						4								8 \$ 1,128.89
Prepare typical details for aesthetic concept development			1	3	3					4								11 \$ 1,577.43
Revise details for preferred aesthetic treatments and noise wall types			1	3	2					2								8 \$ 1,222.26
Develop preliminary noise wall layouts			1	4		8				12								25 \$ 3,074.38
<b>B. Social, Economic and Environmental Studies and Public Involvement</b>																		
<b>Task 1: Project Scope for Environmental Review Document</b>																		
Prepare Project Scope for Environmental Review document			0		0								0					0 \$ -
Conduct Workshop to finalize Project Scope for Environmental Review			0		0													0 \$ -
<b>Task 2: Environmental Document Preparation</b>																		
<b>Subtask A: Draft Environmental Assessment (EA)</b>																		
Prepare the draft EA for the project			24		40							12	40	8				124 \$ 18,385.86
Schedule and attend an environmental document review meeting with the Mobility Authority			2		2								2					6 \$ 934.64
Revise the EA, addressing comments obtained from the Mobility Authority, TxDOT Austin District, TxDOT ENV, FHWA, and Agency review			4		12							4	20					40 \$ 5,609.96
<b>Subtask B: Final EA</b>																		
Update the environmental document after the Public Hearing			4		20							8	40					72 \$ 9,794.23
Prepare and list public hearing comments and responses			0	0	2							2	8	4				16 \$ 1,904.41
Submit the revised preliminary Final EA for Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA review			0		1								3	3				7 \$ 715.29
Revise the Final EA document to respond to Mobility Authority, TxDOT, FHWA, and Agency comments			2		4							2	8	8				24 \$ 2,936.96
Provide hard copies and CDs of the Final EA					1									4				5 \$ 462.53
<b>Subtask C: FONSI/Final Approval</b>																		
Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)			4		12								24	12				52 \$ 6,188.93
<b>Task 3: Noise Workshops</b>																		
<b>Subtask A: Initial Internal Workshops</b>																		
Conduct an initial internal workshop with the Mobility Authority, TxDOT, and the GEC			2	2	2		1					1					1	9 \$ 1,518.91
Conduct one (1) noise workshop			3									3						6 \$ 1,258.62
Develop talking points for noise workshops			1		1							2						4 \$ 768.30
Identify and document information to be communicated to the public (mailings, notices, advertising, etc.)			1		4							4						9 \$ 1,608.63
Develop workshop agenda			2		2													4 \$ 712.85
Develop exhibits for noise workshops including aerial maps with barrier locations and property lines, graphics of proposed barrier types, graphics of surface treatments and colors, perspective drawings, voting information / ballots, handouts, PowerPoint presentation and fact sheet			4	4	8					12		12						40 \$ 6,423.22
Identify and propose for approval locations for the four (4) workshops					2													2 \$ 285.64
Prepare a draft noise workshop notification packet for review and approval					2													2 \$ 285.64
Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30 days prior to the workshop					2													2 \$ 285.64
Conduct followup phone calls for property owners who have not responded for noise workshop																		0 \$ -
Provide door hangers on the adjacent properties																		0 \$ -
Notify other interested parties and local elected officials					2													2 \$ 285.64
Develop a draft summary of the results of the noise workshop process to document the outcome			2		8													10 \$ 1,569.76
Provide final summary report of the noise workshop process			2		4													6 \$ 998.49
<b>Task 4: Environmental Support Services</b>																		
<b>Subtask A: Administrative Record (AR)</b>																		
Establish, track, organize and manage the project's administrative record supporting the agency's decisions			4		12								24					40 \$ 5,229.81
Create and maintain an index and a database of documents contained within the AR			4		12								24					40 \$ 5,229.81

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1																		
TASK DESCRIPTION	Principal	Project Manager	Senior Engineer	Project Engineer/Asst. PM	Design Engineer	EIT	Senior Engineer Tech	Engineer Tech	Senior CADD Operator	CADD Operator	Senior Env Scientist / Planner	Env Scientist / Planner	Jr. Env.Sci. / Planner	Sr. GIS / Manager	GIS	Admin / Clerical / Project Controls	Total Hours	Labor Cost
Negotiated Raw Labor Rate Over Term of Contract (30 months)	\$108.00	\$85.52	\$68.15	\$57.18	\$45.33	\$40.50	\$47.73	\$32.86	\$42.51	\$41.02	\$82.45	\$44.40	\$32.00	\$63.47	\$51.71	\$45.62		
<b>Task 5: Public Involvement</b>																		
<b>Subtask A: Public Involvement Plan</b>																		
Update the public involvement plan and submit five copies to the Mobility Authority, TxDOT Austin District and TxDOT ENV for review and approval		1		1													2	\$ 356.42
<b>Subtask B: Stakeholder Engagement</b>																		
Update the mailing list																	0	\$ -
Provide content for inclusion on the Project Website		1		2		0											3	\$ 499.24
Assist with monitoring, responding to, and developing content vis-à-vis the project's E-Mail, Hotline and Twitter Account; assist with one general information mailout		0	0	0													0	\$ -
Develop up to two (2) e-newsletters for e-mail distribution to the project mailing list. Jacobs will develop an initial draft of text, GEC will manage review process, develop graphics, place content into newsletter layout and distribute.		1	1	4													6	\$ 955.10
Develop content for one (1) update of the Project Fact Sheet. Jacobs will develop an initial draft of text, GEC will manage review process, develop graphics, place content into fact sheet layout.		1	1	4													6	\$ 955.10
<b>Mail fact sheets to community members upon request</b>																		
One (1) update of FAQs currently posted to the website, including responses, for approval by the Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA and posting on the project website. Assumes Jacobs will develop the initial draft update of the FAQs. GEC/CTRMA will manage review process and once approved post to website.		1	1	2													4	\$ 669.46
Develop and maintain a list of potential community members (neighborhood associations, special interest groups, business associations, etc.) to contact for informal meetings/discussions																	0	\$ -
Send project information to community groups and offer to meet with them; respond to requests from community members for meetings with project staff				0									0				0	\$ -
Conduct up to two (2) meetings with community groups. Assumes attendance at a community sponsored event, not a		4	4	6									14				28	\$ 3,511.18
Assist with up to three (3) agency-to-agency meetings.		6	6	3													18	\$ 3,064.09
Coordinate with the Mobility Authority and TxDOT on meeting logistics																	0	\$ -
Maintain a complete correspondence file for the stakeholder meetings																	0	\$ -
Prepare a neighborhood meeting summary for each meeting																	0	\$ -
Coordinate and hold up to twenty (20) stakeholder interviews and meetings and prepare meeting summaries. The CTRMA will handle this effort, no hours are provided.		0	0	0													0	\$ -
<b>Subtask C: Public Hearing</b>																		
Secure the hearing location, date and time (includes securing a/v equipment, chairs/tables, podium, etc.)																	0	\$ -
Prepare and publish legal notice for the hearing. Assumes one 30-day notice in published in the Austin Statesman. Jacobs to supply text for display ads; design and layout by others.		1		3													4	\$ 642.06
Prepare and distribute meeting notices, including one (1) postcard invitation and (1) one e-mail notice to the general public and elected officials, and distribution to the contacts on project databases. Jacobs will develop an initial draft of text (e-mail notice and postcard), GEC will develop graphics and place content into postcard/email format, once approved Jacobs will use every door direct to distribute postcard. CTRMA/GEC will distribute email to general public and elected officials.		2		2									0				4	\$ 712.85
Prepare hearing handouts, agendas, name tags, sign-in sheets, speaker cards, comment cards, Power Point presentation with accompanying speech, one planview of the Preferred Alternative, four (4) typical sections of the Preferred Alternative and ten (10) exhibit boards, including two (2) rounds of revisions.		15	15	30								20	40				120	\$ 15,456.97
Provide a translator and audio/video equipment																	0	\$ -
Provide a court reporter																	0	\$ -
Compile and prepare responses to up to 125 comments (see B.2.B.) - Assumes two (2) rounds of revisions.		6	6	12							6	15	15				60	\$ 8,114.77
Arrange up to four (4) pre-meetings with the Mobility Authority and TxDOT to review all exhibits and other materials to be used at the Hearing		6		8													14	\$ 2,424.18
Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make presentations, and answer questions		8	8	8	16	8						8	8	8			72	\$ 9,628.78
Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.		4	4	8							8	40					64	\$ 8,761.27
<b>Total</b>	0	161	82	289	32	19	0	0	35	0	64	279	116	9	0	66	1152	\$ 161,223.56
<b>Total</b>	\$ -	\$ 34,390.30	\$ 13,957.96	\$ 41,274.74	\$ 3,623.08	\$ 1,921.99	\$ -	\$ -	\$ 3,716.22	\$ -	\$ 13,179.93	\$ 30,940.66	\$ 9,271.51	\$ 1,426.77	\$ -	\$ 7,520.41	\$ -	\$ 161,223.56

Fee Schedule

Other Direct Expenses	Unit	Quantity	Rate	Total
4" X 6" Digital Color Print	picture		\$ 0.20	\$ -
Lodging/Hotel	day/person		\$ 130.00	\$ -
Lodging/Hotel Taxes/fees				\$ -
Meals	day/person		\$ 30.00	\$ -
Mileage	mile		\$ 0.57	\$ -
Rental Car (Includes taxes and fees; Insurance costs will not be	day		\$ 50.00	\$ -
SUV or ATV Rental (Includes taxes and fees; Insurance costs will not be	day		\$ 100.00	\$ -
Lease Vehicle (Includes taxes and fees; Insurance costs will not be	month		\$ 1,500.00	\$ -
Rental Car Fuel	per gallon		\$ 4.00	\$ -
Air Travel - In State - Short Notice (Coach)	Rd Trip/person		\$ 600.00	\$ -
Air Travel - In State - 2+ Wks Notice (Coach)	Rd Trip/person		\$ 350.00	\$ -
Parking	day		\$ 25.00	\$ -
Parking	week		\$ 100.00	\$ -
Toll Charges	each		\$ 2.00	\$ -
Taxi/Cab fare	each/person		\$ 50.00	\$ -
Telephone	month		\$ 150.00	\$ -
Postage	each		\$ 0.46	\$ -
Standard Postage	letter			\$ -
Overnight Mail - letter size	each		\$ 15.00	\$ -
Overnight Mail - oversized box	each		\$ 50.00	\$ -
Overnight Mail - up to 2 lb package	each		\$ 75.00	\$ -
Courier Services	each		\$ 50.00	\$ -
Photocopies B/W (8 1/2" X 11")	each		\$ 0.10	\$ -
Photocopies B/W (11" X 17")	each		\$ 0.20	\$ -
Photocopies Color (8 1/2" X 11")	each		\$ 1.00	\$ -
Photocopies Color (11" X 17")	each		\$ 2.00	\$ -
Digital Ortho Plotting	sheet		\$ 18.00	\$ -
Blue-line Prints (24" X 36")	each		\$ 9.00	\$ -
Bond Paper Plot (Blue-line/Blackline)	linear foot		\$ 4.50	\$ -
Blue-line/Blackline Prints (8 1/2" X 11")	sheet		\$ 0.10	\$ -
Blue-line/Blackline Prints (11" X 17")	sheet		\$ 0.20	\$ -
Blue-line/Blackline Prints (22" X 34")	sheet		\$ 9.00	\$ -
Plots (B/W on Bond)	square foot		\$ 1.50	\$ -
Plots (Color on Bond)	square foot		\$ 3.00	\$ -
Plots (Color on Photographic Paper)	square foot		\$ 5.00	\$ -
Color Graphics on Foam Board	each	10	\$ 250.00	\$ 2,500.00
Color Graphics on Foam Board	square foot		\$ 25.00	\$ -
Presentation Boards 30" X 40" Color Mounted	each		\$ 100.00	\$ -
Vellum Plot	linear foot		\$ 10.00	\$ -
Mylar Plot	square foot		\$ 12.00	\$ -
Mylars (Half Size)	each		\$ 6.00	\$ -
Mylars (Full Size)	each		\$ 12.50	\$ -
Mylar (8 1/2" X 11")	sheet		\$ 3.00	\$ -
Mylar (11" X 17")	sheet		\$ 6.00	\$ -
Mylar (22" X 34")	sheet		\$ 12.50	\$ -
Outside Printing - Reports	each		\$ 500.00	\$ -
Report Binding	each		\$ 6.00	\$ -
Notebooks	each		\$ 25.00	\$ -
Newsletter - print, production, env (approx 40000 /event)	event		\$ 15,000.00	\$ -
Reproduction of CD/DVD	each		\$ 5.00	\$ -
CDs	each		\$ 5.00	\$ -
Film - 24 Exp Roll	roll		\$ 5.00	\$ -
Required Permit Fees	each		\$ 1,000.00	\$ -
Backhoe Rental	day		\$ 1,000.00	\$ -
GPS Receiver	day		\$ 100.00	\$ -
Environmental Field Supplies (athes, stakes, flagging, spray paint, etc.)	day		\$ 100.00	\$ -
Curator (Drawer & TX Archaeological Research				\$ -
Lab for artifacts & report	per project		\$ 5,000.00	\$ -
Database Search (i.e. Texas Online Directory)	each		\$ 100.00	\$ -
Newspaper Advertisement	per publication		\$ 2,000.00	\$ -
Court Reporter	page		\$ 100.00	\$ -
Court Reporter (Public Hearings & Transcription)	day		\$ 1,000.00	\$ -
Law Enforcement/Uniform Officer	hour/officer		\$ 200.00	\$ -
Translator (English to Spanish) for Public Involvement	event		\$ 1,000.00	\$ -
Translator (English to Spanish or Sign Language)	hour		\$ 500.00	\$ -
Custodian for Public Involvement	hour/custodian		\$ 100.00	\$ -
Sound Technician for Public Involvement	event		\$ 1,000.00	\$ -
Material Production for Public Involvement (handouts, exhibits, ect)	event		\$ 1,500.00	\$ -
Public Meeting/Hearing Facility Rental (See GS RJW ODE)	event		\$ -	\$ -
Audio - Visual Equipment Rental	event		\$ 2,000.00	\$ -
Audio - Equipment Rental	each		\$ 1,000.00	\$ -
Public Notices - Mass Mailing	500		\$ 1,500.00	\$ -
Desktop & Microcomputer w/Plotter	hour		\$ 125.00	\$ -
Microstation CADD System w/Plotter	hour		\$ 50.00	\$ -
Robotic Total Station	day		\$ 250.00	\$ -
Boat with Motor	day		\$ 500.00	\$ -
GPS RTK	hour		\$ 30.00	\$ -
GPS Static	hour		\$ 20.00	\$ -
Traffic Control Barricade Truck for Survey Crew	day		\$ 1,500.00	\$ -
Map Records	sheet		\$ 50.00	\$ -
Certified Deed Copies	sheet		\$ 25.00	\$ -
Deed Copies	sheet		\$ 3.00	\$ -
Aerial Film Scanning	per frame		\$ 17.50	\$ -
Aerial Turns	each		\$ 50.00	\$ -
Aerial Turns	mile		\$ 5.92	\$ -
Cross Country	mile		\$ 5.92	\$ -
Mobilization Fee	each		\$ 1,000.00	\$ -
Film	linear foot		\$ 20.00	\$ -
Photographs	mile		\$ 22.66	\$ -
Flight Line	mile		\$ 5.92	\$ -
Aerial Photography Mobilization Fee	Per Project		\$ 375.00	\$ -
Project Flight Miles (on project flight miles)	Per Mile		\$ 30.00	\$ -
Color Film Processing	Per Frame		\$ 48.50	\$ -
Digital Image processing/Film Scanning	Per Frame		\$ 28.35	\$ -
Mailing List (acquire)	unit		\$ 800.00	\$ -
Publication of Legal Notices (per event)	unit/event		\$ 4,000.00	\$ -
Noise Workshop Notification Packet Mailing	each		\$ 4.02	\$ -
Noise Workshop Door Hanger (Single-side 2500 per unit)	event		\$ 515.00	\$ -
Taxonomy Expert	hour		\$ 212.00	\$ -
Dive gear rental per person	day		\$ 50.00	\$ -
Consumable field supplies	unit		\$ 700.00	\$ -
Downhole Camera Rental	day		\$ 250.00	\$ -
Photocopies (color) 8-1/2 X 11	each		\$ 0.45	\$ -
Certified Mail	unit		\$ 1.50	\$ -
Meeting supplies (cardstock, nametags, pens, etc.)	unit		\$ 300.00	\$ -
Refreshments	event		\$ 125.00	\$ -
<b>Total</b>				<b>\$ 2,500.00</b>

Fee Schedule

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1			
TASK DESCRIPTION	Principal	Total Hours	Labor Cost
Negotiated Contract Rate	\$180.00		
<b>II. Project Management and Administration</b>			
<b>A. Project Management and Administration</b>			
Task 1: Provide monthly progress reports and invoices (12)	12	12	\$ 2,160.00
Task 2: Provide record keeping and file management	6	6	\$ 1,080.00
Task 3: Provide project correspondence	0	0	\$ -
Task 4: Prepare monthly schedule updates (12)	0	0	\$ -
<b>B. Coordination</b>			
Schedule, attend and conduct Agency Coordination with CTRMA, TxDOT and FHWA (24 meetings assumed)	0	0	\$ -
Develop agendas, action items and meeting minutes for all meetings	0	0	\$ -
<b>C. Quality Assurance/quality control (QA/QC)</b>			
Provide Certification of QA/QC at deliverable milestones	0	0	\$ -
<b>III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY</b>			
<b>A. Route and Design Studies</b>			
<b>Task 1: Design Schematics</b>			
Develop preliminary noise barrier design	0	0	\$ -
Assess the feasibility of each proposed location and recommend a construction type most appropriate for each site	0	0	\$ -
Identify issues associated with proposed barriers and drainage constraints	0	0	\$ -
Assess the feasibility of aesthetic treatments and collect sample cost estimates for various aesthetic treatments	0	0	\$ -
Identify limits of clearing and impacts associated with proposed barriers	0	0	\$ -
Provide preliminary quantities and construction cost estimates for each proposed barrier	0	0	\$ -
Prepare typical details for aesthetic concept development	0	0	\$ -
Revise details for preferred aesthetic treatments and noise wall types	0	0	\$ -
Develop preliminary noise wall layouts	0	0	\$ -
<b>B. Social, Economic and Environmental Studies and Public Involvement</b>			
<b>Task 1: Project Scope for Environmental Review Document</b>			
Prepare Project Scope for Environmental Review document	0	0	\$ -
Conduct Workshop to finalize Project Scope for Environmental Review	0	0	\$ -
<b>Task 2: Environmental Document Preparation</b>			
<b>Subtask A: Draft Environmental Assessment (EA)</b>			
Prepare the draft EA for the project	0	0	\$ -
Schedule and attend an environmental document review meeting with the Mobility Authority	0	0	\$ -
Revise the EA, addressing comments obtained from the Mobility Authority, TxDOT Austin District, TxDOT ENV, FHWA, and Agency review	0	0	\$ -
<b>Subtask B: Final EA</b>			
Update the environmental document after the Public Hearing	2	2	\$ 360.00
Prepare and list public hearing comments and responses	0	0	\$ -
Submit the revised preliminary Final EA for Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA review	0	0	\$ -
Revise the Final EA document to respond to Mobility Authority, TxDOT, FHWA, and Agency comments	2	2	\$ 360.00
Provide hard copies and CDs of the Final EA	0	0	\$ -
<b>Subtask C: FONSI/Final Approval</b>			
Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)	0	0	\$ -
<b>Task 3: Noise Workshops</b>			
Conduct an initial internal workshop with the Mobility Authority, TxDOT, and the GEC	0	0	\$ -
Conduct one (1) noise workshop	0	0	\$ -
Develop talking points for noise workshops	0	0	\$ -
Identify and document information to be communicated to the public (mailings, notices, advertising, etc.)	0	0	\$ -
Develop workshop agenda	0	0	\$ -
Develop exhibits for noise workshops including aerial maps with barrier locations and property lines, graphics of proposed barrier types, graphics of surface treatments and colors, perspective drawings, voting information / ballots, handouts, PowerPoint presentation and fact sheet	0	0	\$ -
Identify and propose for approval locations for the four (4) workshops	0	0	\$ -
Prepare a draft noise workshop notification packet for review and approval	0	0	\$ -
Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30 days prior to the workshop	0	0	\$ -
Conduct followup phone calls for property owners who have not responded for noise workshop	0	0	\$ -
Provide door hangers on the adjacent properties	0	0	\$ -
Notify other interested parties and local elected officials	0	0	\$ -
Develop a draft summary of the results of the noise workshop process to document the outcome	0	0	\$ -
Provide final summary report of the noise workshop process	0	0	\$ -
<b>Task 4: Environmental Support Services</b>			
<b>Subtask A: Administrative Record (AR)</b>			

Fee Schedule

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1			
TASK DESCRIPTION	Principal	Total Hours	Labor Cost
Negotiated Contract Rate	\$180.00		
Establish, track, organize and manage the project's administrative record supporting the agency's decisions	0	0	\$ -
Create and maintain an index and a database of documents contained within the AR	0	0	\$ -
<b>Task 5: Public Involvement</b>			
<b>Subtask A: Public Involvement Plan</b>			
Update the public involvement plan and submit five copies to the Mobility Authority, TxDOT Austin District and TxDOT ENV for review and approval	0	0	\$ -
<b>Subtask B: Stakeholder Engagement</b>			
Update the mailing list	0	0	\$ -
Provide content for inclusion on the Project Website	0	0	\$ -
<del>Assist with monitoring, responding to, and developing content vis-à-vis the project's E-Mail Hotline and Twitter-Account; assist with one general information mailout</del>	0	0	\$ -
Develop up to two (2) e-newsletters for e-mail distribution to the project mailing list. Jacobs will develop an initial draft of text, GEC will manage review process, develop graphics, place content into newsletter layout and distribute.	0	0	\$ -
Develop content for one (1) update of the Project Fact Sheet. Jacobs will develop an initial draft of text, GEC will manage review process, develop graphics, place content into fact sheet layout.	0	0	\$ -
<del>Mail fact sheets to community members upon request</del>	0	0	\$ -
One (1) update of FAQs currently posted to the website, including responses, for approval by the Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA and posting on the project website. Assumes Jacobs will develop the initial draft update of the FAQs. GEC/CTRMA will manage review process and once approved post to website.	1	1	\$ 180.00
<del>Develop and maintain a list of potential community members (neighborhood associations, special interest groups, business associations, etc.) to contact for informal meetings/discussions</del>	0	0	\$ -
<del>Send project information to community groups and offer to meet with them; respond to requests from community members for meetings with project staff</del>	0	0	\$ -
Conduct up to two (2) meetings with community groups. Assumes attendance at a community sponsored event, no	0	0	\$ -
Assist with up to three (3) agency-to-agency meetings.	3	3	\$ 540.00
<del>Coordinate with the Mobility Authority and TxDOT on meeting logistics</del>	0	0	\$ -
<del>Maintain a complete correspondence file for the stakeholder meetings</del>	0	0	\$ -
<del>Prepare a neighborhood meeting summary for each meeting</del>	0	0	\$ -
Coordinate and hold up to twenty (20) stakeholder interviews and meetings and prepare meeting summaries. The CTRMA will handle this effort, no hours are provided.	0	0	\$ -
<b>Subtask C: Public Hearing</b>			
Secure the hearing location, date and time (includes securing a/v equipment, chairs/tables, podium, etc.)	0	0	\$ -
Prepare and publish legal notice for the hearing. Assumes one 30-day notice in published in the Austin Statesman. Jacobs to supply text for display ads; design and layout by others.	0	0	\$ -
Prepare and distribute meeting notices, including one (1) postcard invitation and (1) one e-mail notice to the general public and elected officials, and distribution to the contacts on project databases. Jacobs will develop an initial draft of text (e-mail notice and postcard), GEC will develop graphics and place content into postcard/email format, once approved Jacobs will use every door direct to distribute postcard. CTRMA/GEC will distribute email to general public and elected officials.	0	0	\$ -
Prepare hearing handouts, agendas, name tags, sign-in sheets, speaker cards, comment cards, Power Point presentation with accompanying speech, one planview of the Preferred Alternative, four (4) typical sections of the Preferred Alternative and ten (10) exhibit boards, including two (2) rounds of revisions.	0	0	\$ -
Provide a translator and audio/video equipment	0	0	\$ -
Provide a court reporter	0	0	\$ -
Compile and prepare responses to up to 125 comments (see B.2.B.) - Assumes two (2) rounds of revisions.	4	4	\$ 720.00
Arrange up to four (4) pre-meetings with the Mobility Authority and TxDOT to review all exhibits and other materials to be used at the Hearing	0	0	\$ -
Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make presentations, and answer questions	3	3	\$ 540.00
Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.	0	0	\$ -
<b>Total</b>	33	33	\$ 5,940.00
<b>Total</b>	\$ 5,940.00		\$ 5,940.00

Fee Schedule

Other Direct Expenses	Unit	Quantity	Rate	Total
4" X 6" Digital Color Print	picture	0	\$ 0.20	\$ -
Meals	day/person	0	\$ 30.00	\$ -
Mileage	mile	0	\$ 0.565	\$ -
Rental Car (Includes taxes and fees; Insurance costs will not be	day	0	\$ 50.00	\$ -
SUV or ATV Rental (Includes taxes and fees; Insurance costs	day	0	\$ 100.00	\$ -
Lease Vehicle (Includes taxes and fees; Insurance costs will	month	0	\$ 1,500.00	\$ -
Rental Car Fuel	per gallon	0	\$ 4.00	\$ -
Air Travel	Rd Trip/person	0	\$ 500.00	\$ -
Air Travel - In State - Short Notice (Coach)	Rd Trip/person	0	\$ 600.00	\$ -
Air Travel - In State - 2+ Wks Notice (Coach)	Rd Trip/person	0	\$ 350.00	\$ -
Parking	day	0	\$ 25.00	\$ -
Parking	week	0	\$ 100.00	\$ -
Toll Charges	each	0	\$ 2.00	\$ -
Taxi/Cab fare	each/person	0	\$ 50.00	\$ -
Telephone	month	0	\$ 150.00	\$ -
Postage	each	0	\$ 0.46	\$ -
Photocopies B/W (8 1/2" X 11")	each	0	\$ 0.10	\$ -
Plots (B/W on Bond)	square foot	0	\$ 1.50	\$ -
Plots (Color on Bond)	square foot	0	\$ 3.00	\$ -
Plots (Color on Photographic Paper)	square foot	0	\$ 5.00	\$ -
Color Graphics on Foam Board	each	0	\$ 250.00	\$ -
Color Graphics on Foam Board	square foot	0	\$ 25.00	\$ -
Presentation Boards 30" X 40" Color Mounted	each	0	\$ 100.00	\$ -
Notebooks	each	0	\$ 25.00	\$ -
Newsletter - print, production, mail	event	0	\$ 4,500.00	\$ -
Reproduction of CD/DVD	each	0	\$ 5.00	\$ -
CDs	each	0	\$ 5.00	\$ -
Film - 24 Exp Roll	roll	0	\$ 5.00	\$ -
Fim Processing - 24 Exp Roll	roll	0	\$ 6.00	\$ -
Historical Aerial Images	unit	0	\$ 50.00	\$ -
Tx Parks & Wildlife Data Request Fees	each	0	\$ 250.00	\$ -
Hazardous Materials Database Search	per search	0	\$ 1,500.00	\$ -
Required Permit Fees	each	0	\$ 1,000.00	\$ -
Backhoe Rental	day	0	\$ 1,000.00	\$ -
GPS Receiver	day	0	\$ 100.00	\$ -
Environmental Field Supplies (lathes, stakes, flagging, spray paint, etc.)	day	0	\$ 100.00	\$ -
Curator (Drawer & TX Archaeological Research Lab for artifacts & report	per project	0	\$ 5,000.00	\$ -
Database Search (i.e. Texas Online Directory)	each	0	\$ 100.00	\$ -
Newspaper Advertisement	per publication	0	\$ 2,000.00	\$ -
Court Reporter	page	0	\$ 100.00	\$ -
Court Reporter (Public Hearings & Transcription)	day	0	\$ 1,000.00	\$ -
Law Enforcement/Uniform Officer	hour/officer	0	\$ 200.00	\$ -
Translator (English to Spanish) for Public Involvement	event	0	\$ 1,000.00	\$ -
Translator (English to Spanish or Sign Language)	hour	0	\$ 500.00	\$ -
Custodian for Public Involvement	hour/custodian	0	\$ 100.00	\$ -
Sound Technican for Public Involvement	event	0	\$ 1,000.00	\$ -
Material Production for Public Involvement (handouts, exhibits, ect)	event	0	\$ 1,500.00	\$ -
Public Involvement Facility Rental	event	0	\$ 3,000.00	\$ -
Audio - Visual Equipment Rental	event	0	\$ 2,000.00	\$ -
Audio - Equipment Rental	each	0	\$ 1,000.00	\$ -
Public Notices - Mass Mailing	500	0	\$ 1,500.00	\$ -
Desktop & Microcomputer w/Plotter	hour	0	\$ 125.00	\$ -
Microstation CADD System w/Plotter	hour	0	\$ 50.00	\$ -
Robotic Total Station	day	0	\$ 250.00	\$ -
Boat with Motor	day	0	\$ 500.00	\$ -
GPS RTK	hour	0	\$ 30.00	\$ -
GPS Static	hour	0	\$ 20.00	\$ -
Map Records	sheet	0	\$ 50.00	\$ -
Certified Deed Copies	sheet	0	\$ 25.00	\$ -
Deed Copies	sheet	0	\$ 3.00	\$ -
Aerial Film Scanning	per frame	0	\$ 17.50	\$ -
Aerial Turns	each	0	\$ 50.00	\$ -
Aerial Turns	mile	0	\$ 5.92	\$ -
Cross Country	mile	0	\$ 5.92	\$ -
Mobilization Fee	each	0	\$ 1,000.00	\$ -
Film	linear foot	0	\$ 20.00	\$ -
Photographs	mile	0	\$ 22.66	\$ -
Flight Line	mile	0	\$ 5.92	\$ -
Aerial Photography Mobilization Fee	Per Project		\$ 375.00	\$ -
Project Flight Miles (on project flight miles)	Per Mile		\$ 30.00	\$ -
Color Film Processing	Per Frame		\$ 48.50	\$ -
Digital Image processing/Film Scanning	Per Frame		\$ 28.35	\$ -
Taxonomy Expert	hour		\$ 212.00	\$ -
Dive gear rental per person	day		\$ 50.00	\$ -
Consumable field supplies	unit		\$ 700.00	\$ -
Downhole Camera Rental	day		\$ 250.00	\$ -
Photocopies (color) 8-1/2 X 11	each		\$ 0.45	\$ -
Certified Mail	unit		\$ 1.50	\$ -
Meeting supplies (cardstock,nametags,pens, etc.)	unit		\$ 300.00	\$ -
Refreshments	event		\$ 125.00	\$ -
Public Opinion Polling	unit		\$ 15,000.00	\$ -
			\$	\$ -



Fee Schedule

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1						
TASK DESCRIPTION	Task Leader	Deputy Task Leader	PI Consultant	PI Specialist	Total Hours	Labor Cost
Negotiated Contract Rate	\$170.00	\$137.00	\$120.00	\$85.00		
<b>II. Project Management and Administration</b>						
<b>A. Project Management and Administration</b>						
Task 1: Provide monthly progress reports and invoices (12)	4	6		6	16	\$ 2,012.00
Task 2: Provide record keeping and file management				12	12	\$ 1,020.00
Task 3: Provide project correspondence					0	\$ -
Task 4: Prepare monthly schedule updates (12)					0	\$ -
<b>B. Coordination</b>						
Schedule, attend and conduct Agency Coordination with CTBMA, TxDOT and FHWA (24 meetings assumed)	0	0			0	\$ -
Develop agendas, action items and meeting minutes for all meetings					0	\$ -
<b>C. Quality Assurance/quality control (QA/QC)</b>						
Provide Certification of QA/QC at deliverable milestones					0	\$ -
<b>III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY</b>						
<b>A. Route and Design Studies</b>						
<b>Task 1: Design Schematics</b>						
Develop preliminary noise barrier design					0	\$ -
Assess the feasibility of each proposed location and recommend a construction type most appropriate for each site					0	\$ -
Identify issues associated with proposed barriers and drainage constraints					0	\$ -
Assess the feasibility of aesthetic treatments and collect sample cost estimates for various aesthetic treatments					0	\$ -
Identify limits of clearing and impacts associated with proposed barriers					0	\$ -
Provide preliminary quantities and construction cost estimates for each proposed barrier					0	\$ -
Prepare typical details for aesthetic concept development					0	\$ -
Revise details for preferred aesthetic treatments and noise wall types					0	\$ -
Develop preliminary noise wall layouts					0	\$ -
<b>B. Social, Economic and Environmental Studies and Public Involvement</b>						
<b>Task 1: Project Scope for Environmental Review Document</b>						
Prepare Project Scope for Environmental Review document					0	\$ -
Conduct Workshop to finalize Project Scope for Environmental Review					0	\$ -
<b>Task 2: Environmental Document Preparation</b>						
<b>Subtask A: Draft Environmental Assessment (EA)</b>						
Prepare the draft EA for the project					0	\$ -
Schedule and attend an environmental document review meeting with the Mobility Authority					0	\$ -
Revise the EA, addressing comments obtained from the Mobility Authority, TxDOT Austin District, TxDOT ENV, FHWA, and Agency review					0	\$ -
<b>Subtask B: Final EA</b>						
Update the environmental document after the Public Hearing					0	\$ -
Prepare and list public hearing comments and responses					0	\$ -
Submit the revised preliminary Final EA for Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA review					0	\$ -
Revise the Final EA document to respond to Mobility Authority, TxDOT, FHWA, and Agency comments					0	\$ -
Provide hard copies and CDs of the Final EA					0	\$ -
<b>Subtask C: FONSI/Final Approval</b>						
Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)					0	\$ -
<b>Task 3: Noise Workshops</b>						
Conduct an initial internal workshop with the Mobility Authority, TxDOT, and the GEC	4	4	4		12	\$ 1,708.00
Conduct one (1) noise workshop	4	4	4	0	12	\$ 1,708.00
Develop talking points for noise workshops	0	0			0	\$ -
Identify and document information to be communicated to the public (mailings, notices, advertising, etc.)	2	8	0	0	10	\$ 1,436.00
Develop workshop agenda	0	0			0	\$ -
Develop exhibits for noise workshops including aerial maps with barrier locations and property lines, graphics of proposed barrier types, graphics of surface treatments and colors, perspective drawings, voting information / ballots, handouts, PowerPoint presentation and fact sheet	2	12			14	\$ 1,984.00
Identify and propose for approval locations for the four (4) workshops	4	4			8	\$ 1,228.00
Prepare a draft noise workshop notification packet for review and approval		4		8	12	\$ 1,228.00
Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30 days prior to the workshop				2	2	\$ 170.00
Conduct followup phone calls for property owners who have not responded for noise workshop				4	4	\$ 340.00
Provide door hangers on the adjacent properties		0		0	0	\$ -
Notify other interested parties and local elected officials		0		0	0	\$ -
Develop a draft summary of the results of the noise workshop process to document the outcome		14		6	20	\$ 2,428.00
Provide final summary report of the noise workshop process					0	\$ -
<b>Task 4: Environmental Support Services</b>						
<b>Subtask A: Administrative Record (AR)</b>						

Fee Schedule

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1						
TASK DESCRIPTION	Task Leader	Deputy Task Leader	PI Consultant	PI Specialist	Total Hours	Labor Cost
Negotiated Contract Rate	\$170.00	\$137.00	\$120.00	\$85.00		
Establish, track, organize and manage the project's administrative record supporting the agency's decisions					0	\$ -
Create and maintain an index and a database of documents contained within the AR					0	\$ -
<b>Task 5: Public Involvement</b>						
<b>Subtask A: Public Involvement Plan</b>						
Update the public involvement plan and submit five copies to the Mobility Authority, TxDOT Austin District and TxDOT ENV for review and approval	0	5	0		5	\$ 685.00
<b>Subtask B: Stakeholder Engagement</b>						
Update the mailing list		12		0	12	\$ 1,644.00
Provide content for inclusion on the Project Website		0		0	0	\$ -
Assist with monitoring, responding to, and developing content vis-à-vis the project's E-Mail Hotline and Twitter Account; assist with one general information mailout	0	0		0	0	\$ -
Develop up to two (2) e-newsletters for e-mail distribution to the project mailing list. Jacobs will develop an initial draft of text, GEC will manage review process, develop graphics, place content into newsletter layout and distribute.	0	8	0		8	\$ 1,096.00
Develop content for one (1) update of the Project Fact Sheet. Jacobs will develop an initial draft of text, GEC will manage review process, develop graphics, place content into fact sheet layout.	0	4	0		4	\$ 548.00
Mail fact sheets to community members upon request			0		0	\$ -
One (1) update of FAQs currently posted to the website, including responses, for approval by the Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA and posting on the project website. Assumes Jacobs will develop the initial draft update of the FAQs. GEC/CTRMA will manage review process and once approved post to website.	0	4	0		4	\$ 548.00
Develop and maintain a list of potential community members (neighborhood associations, special interest groups, business associations, etc.) to contact for informal meetings/discussions			0		0	\$ -
Send project information to community groups and offer to meet with them; respond to requests from community members for meetings with project staff			0		0	\$ -
Conduct up to two (2) meetings with community groups. Assumes attendance at a community sponsored event, not a s	0	12	0	0	12	\$ 1,644.00
Assist with up to three (3) agency-to-agency meetings.					0	\$ -
Coordinate with the Mobility Authority and TxDOT on meeting logistics					0	\$ -
Maintain a complete correspondence file for the stakeholder meetings					0	\$ -
Prepare a neighborhood meeting summary for each meeting					0	\$ -
Coordinate and hold up to twenty (20) stakeholder interviews and meetings and prepare meeting summaries. The CTRMA will handle this effort, no hours are provided.	0	0	0		0	\$ -
<b>Subtask C: Public Hearing</b>						
Secure the hearing location, date and time (includes securing a/v equipment, chairs/tables, podium, etc.)	6	12	0	6	24	\$ 3,174.00
Prepare and publish legal notice for the hearing. Assumes one 30-day notice in published in the Austin Statesman. Jacobs to supply text for display ads; design and layout by others.		18			18	\$ 2,466.00
Prepare and distribute meeting notices, including one (1) postcard invitation and (1) one e-mail notice to the general public and elected officials, and distribution to the contacts on project databases. Jacobs will develop an initial draft of text (e-mail notice and postcard), GEC will develop graphics and place content into postcard/email format, once approved Jacobs will use every door direct to distribute postcard. CTRMA/GEC will distribute email to general public and elected officials.	3	28	0	8	39	\$ 5,026.00
Prepare hearing handouts, agendas, name tags, sign-in sheets, speaker cards, comment cards, Power Point presentation with accompanying speech, one planview of the Preferred Alternative, four (4) typical sections of the Preferred Alternative and ten (10) exhibit boards, including two (2) rounds of revisions.	20	30	2	40	92	\$ 11,150.00
Provide a translator and audio/video equipment				1	1	\$ 85.00
Provide a court reporter		1			1	\$ 137.00
Compile and prepare responses to up to 125 comments (see B.2.B.) - Assumes two (2) rounds of revisions.	0	8		8	16	\$ 1,776.00
Arrange up to four (4) pre-meetings with the Mobility Authority and TxDOT to review all exhibits and other materials to be used at the Hearing	12	12	0	0	24	\$ 3,684.00
Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make presentations, and answer questions	6	6	6		18	\$ 2,562.00
Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.		13		8	21	\$ 2,461.00
<b>Total</b>	67	229	16	109	421	\$ 53,948.00
<b>Total</b>	\$ 11,390.00	\$ 31,373.00	\$ 1,920.00	\$ 9,265.00		\$ 53,948.00

Fee Schedule

Other Direct Expenses	Unit	Quantity	Rate	Total
4" X 6" Digital Color Print	picture		\$0.20	\$ -
Lodging/Hotel	day/person		\$130.00	\$ -
Lodging/Hotel Taxes/Fees	day/person		\$30.00	\$ -
Meals	day/person		\$30.00	\$ -
Mileage	mile		\$ 0.565	\$ -
Rental Car (Includes taxes and fees; Insurance costs will not be reimbursed)	day		\$50.00	\$ -
SUV or ATV Rental (Includes taxes and fees; Insurance costs will not be reimbursed)	day		\$100.00	\$ -
Lease Vehicle (Includes taxes and fees; Insurance costs will not be reimbursed)	month		\$1,500.00	\$ -
Rental Car Fuel	per gallon		\$4.00	\$ -
Air Travel	Rd Trip/person		\$500.00	\$ -
Air Travel - In State - Short Notice (Coach)	Rd Trip/person		\$600.00	\$ -
Air Travel - In State - 2+ Wks Notice (Coach)	Rd Trip/person		\$350.00	\$ -
Parking	day		\$25.00	\$ -
Parking	week		\$100.00	\$ -
Toll Charges	each		\$2.00	\$ -
Taxi/Cab fare	each/person		\$50.00	\$ -
Telephone	month		\$150.00	\$ -
Postage/Delivery	each		\$0.46	\$ -
Standard Postage	letter	0	\$4.00	\$ -
Overnight Mail - letter size	each		\$15.00	\$ -
Overnight Mail - oversized box	each		\$50.00	\$ -
Overnight Mail - up to 2 lb package	each		\$75.00	\$ -
Course Services	each		\$50.00	\$ -
Photocopies 8/W (8 1/2" X 11")	each	1100	\$0.20	\$ 220.00
Photocopies 8/W (11" X 17")	each		\$0.20	\$ -
Photocopies Color (8 1/2" X 11")	each	375	\$0.40	\$ 150.00
Photocopies Color (11" X 17")	each		\$2.00	\$ -
Digital Ortho Plotting	sheet		\$18.00	\$ -
Blue-line Prints (24" X 36")	each		\$9.00	\$ -
Bond Paper Plot (Blue-line/Blackline)	linear foot		\$4.50	\$ -
Blue-line/Blackline Prints (8 1/2" X 11")	sheet		\$0.10	\$ -
Blue-line/Blackline Prints (11" X 17")	sheet		\$0.20	\$ -
Blue-line/Blackline Prints (22" X 34")	sheet		\$6.00	\$ -
Plots (B/W on Bond)	square foot		\$1.50	\$ -
Plots (Color on Bond)	square foot		\$3.00	\$ -
Plots (Color on Photographic Paper)	square foot		\$5.00	\$ -
Color Graphics on Foam Board	each		\$250.00	\$ -
Color Graphics on Foam Board	square foot		\$25.00	\$ -
Presentation Boards 30" X 40" Color Mounted	each		\$100.00	\$ -
Vellum Plot	linear foot		\$10.00	\$ -
Mylar Plot	square foot		\$12.00	\$ -
Mylars (Half Size)	each		\$6.00	\$ -
Mylars (Full Size)	each		\$12.50	\$ -
Mylar (8 1/2" X 11")	sheet		\$3.00	\$ -
Mylar (11" X 17")	sheet		\$6.00	\$ -
Mylar (22" X 34")	sheet		\$12.50	\$ -
Outside Printing - Reports	each		\$500.00	\$ -
Report Binding	each		\$6.00	\$ -
Notebooks	each		\$25.00	\$ -
Newsletter - print, production, mail	event		\$4,500.00	\$ -
Other printing, production (handouts, door hangers, notifications, signage)	event	4	\$750.00	\$ 3,000.00
CDs	each		\$5.00	\$ -
Film - 24 Exp Roll	roll		\$5.00	\$ -
Film Processing - 24 Exp Roll	roll		\$6.00	\$ -
4" X 6" Digital Color Print	picture		\$0.20	\$ -
Historical Aerial Images	unit		\$50.00	\$ -
Aerial Photographs (1" = 500' scale)	each		\$500.00	\$ -
Tx Parks & Wildlife Data Request Fees	each		\$250.00	\$ -
Hazardous Materials Database Search	per search		\$1,500.00	\$ -
Required Permit Fees	each		\$1,000.00	\$ -
Backhoe Rental	day		\$1,000.00	\$ -
GPS Receiver	day		\$100.00	\$ -
Environmental Field Supplies (lathes, stakes, flagging, spray paint, etc.)	day		\$100.00	\$ -
Curator (Drawer & TX Archaeological Research)	per project		\$5,000.00	\$ -
Lab for artifacts & report	each		\$100.00	\$ -
Database Search (i.e. Texas Online Directory)	per publication	4	\$875.00	\$ 3,500.00
Display Advertisements	per publication	1	\$1,200.00	\$ 1,200.00
Legal Notice	page		\$100.00	\$ -
Court Reporter	day	2	\$600.00	\$ 1,200.00
Court Reporter (Public Hearings & Transcription)	hour/officer	2	\$250.00	\$ 500.00
Law Enforcement/Uniform Officer	event	1	\$50.00	\$ 50.00
Involvement	hour	2	\$75.00	\$ 150.00
Translator (English to Spanish) for Public	hour/custodian		\$100.00	\$ -
Translator (English to Spanish or Sign Language)	event		\$1,000.00	\$ -
Custodian for Public Involvement	event		\$1,500.00	\$ -
Sound Technician for Public Involvement	event	1	\$300.00	\$ 300.00
Material Production for Public Involvement (handouts, exhibits, ect)	event	1	\$300.00	\$ 300.00
Public Hearing Facility Rental	event	1	\$800.00	\$ 800.00
Noise Workshop Sites Rental	event	1	\$50.00	\$ 50.00
Audio - Visual Equipment Rental (Hearing)	hour	1	\$2,800.00	\$ 2,800.00
Audio - Visual Equipment Rental (Noise Workshops)	hour		\$125.00	\$ -
Public Notices - Mass Mailing	hour		\$50.00	\$ -
Desktop & Microcomputer w/Plotter	hour		\$250.00	\$ -
Microstation CADD System w/Plotter	hour		\$50.00	\$ -
Robotic Total Station	day		\$500.00	\$ -
Boat with Motor	hour		\$30.00	\$ -
GPS RTK	hour		\$20.00	\$ -
GPS Static	sheet		\$50.00	\$ -
Map Records	sheet		\$25.00	\$ -
Certified Deed Copies	sheet		\$3.00	\$ -
Deed Copies	per frame		\$17.50	\$ -
Aerial Film Scanning	each		\$50.00	\$ -
Aerial Turns	mile		\$5.92	\$ -
Cross Country	mile		\$5.92	\$ -
Mobilization Fee	each		\$1,000.00	\$ -
Film	linear foot		\$20.00	\$ -
Aerial Photography Mobilization Fee	Per Project		\$375.00	\$ -
Project Flight Miles (on project flight miles)	Per Mile		\$30.00	\$ -
Color Film Processing	Per Frame		\$48.50	\$ -
Digital Image processing/Film Scanning	hour		\$28.35	\$ -
Taxonomy Expert	hour		\$212.00	\$ -
Dive gear rental per person	unit		\$700.00	\$ -
Consumable field supplies	day		\$250.00	\$ -
Downhole Camera Rental	mile		\$22.66	\$ -
Photographs	unit	75	\$10.67	\$ 800.25
Certified Mail	event	2	\$200.00	\$ 400.00
Meeting supplies (cardstock, nametags, pens, etc.)	event	1	\$150.00	\$ 150.00
Refreshments (Public Hearing)	event	1	\$75.00	\$ 75.00
Refreshments (Noise Workshops)	event	1	\$35.00	\$ 35.00
Survey Monkey	event	1	\$ -	\$ -
			\$	15,680.25

Fee Schedule

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1											September 9, 2014	
TASK DESCRIPTION	Sr. Env'l Scientist II TVZ	Sr. Env'l Scientist I JB JK AP	Env'l Scientist II RF	Env'l Scientist I Bob	Env'l Prof II Ed	Env'l Prof I ER HV JH	Env'l Staff III JM	Env'l Staff II SC JL CH	Env'l Staff I ES	Env'l Tech I	Total Hours	Labor Cost
Negotiated Contract Rate	\$180.77	\$156.67	\$138.59	\$111.47	\$105.45	\$82.85	\$72.31	\$67.79	\$60.26	\$49.71		
<b>II. Project Management and Administration</b>												
<b>A. Project Management and Administration</b>												
Task 1: Provide monthly progress reports and invoices (12)		6						12			18	\$ 1,753.50
Task 2: Provide record keeping and file management									6		6	\$ 361.56
Task 3: Provide project correspondence											0	\$ -
Task 4: Prepare monthly schedule updates (12)											0	\$ -
<b>B. Coordination</b>												
Schedule, attend and conduct Agency Coordination with CTBMA, TxDOT and FHWA (24 meetings assumed)		0									0	\$ -
Develop agendas, action items and meeting minutes for all meetings											0	\$ -
<b>C. Quality Assurance/quality control (QA/QC)</b>												
Provide Certification of QA/QC at deliverable milestones											0	\$ -
<b>III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY</b>												
<b>A. Route and Design Studies</b>												
<b>Task 1: Design Schematics</b>												
Develop preliminary noise barrier design											0	\$ -
Assess the feasibility of each proposed location and recommend a construction type most appropriate for each site											0	\$ -
Identify issues associated with proposed barriers and drainage constraints											0	\$ -
Assess the feasibility of aesthetic treatments and collect sample cost estimates for various aesthetic treatments											0	\$ -
Identify limits of clearing and impacts associated with proposed barriers											0	\$ -
Provide preliminary quantities and construction cost estimates for each proposed barrier											0	\$ -
Prepare typical details for aesthetic concept development											0	\$ -
Revise details for preferred aesthetic treatments and noise wall types											0	\$ -
Develop preliminary noise wall layouts											0	\$ -
<b>B. Social, Economic and Environmental Studies and Public Involvement</b>												
<b>Task 1: Project Scope for Environmental Review Document</b>												
Prepare Project Scope for Environmental Review document											0	\$ -
Conduct Workshop to finalize Project Scope for Environmental Review											0	\$ -
<b>Task 2: Environmental Document Preparation</b>												
<b>Subtask A: Draft Environmental Assessment (EA)</b>												
Prepare the draft EA for the project		0									0	\$ -
Schedule and attend an environmental document review meeting with the Mobility Authority											0	\$ -
Revise the EA, addressing comments obtained from the Mobility Authority, TxDOT Austin District, TxDOT ENV, FHWA, and Agency review		0									0	\$ -
<b>Subtask B: Final EA</b>												
Update the environmental document after the Public Hearing		4									4	\$ 626.68
Prepare and list public hearing comments and responses											0	\$ -
Submit the revised preliminary Final EA for Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA review											0	\$ -
Revise the Final EA document to respond to Mobility Authority, TxDOT, FHWA, and Agency comments		2									2	\$ 313.34
Provide hard copies and CDs of the Final EA											0	\$ -
<b>Subtask C: FONSI/Final Approval</b>												
Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)											0	\$ -
<b>Task 3: Noise Workshops</b>												
Conduct an initial internal workshop with the Mobility Authority, TxDOT, and the GEC											0	\$ -
Conduct one (1) noise workshop											0	\$ -
Develop talking points for noise workshops											0	\$ -
Identify and document information to be communicated to the public (mailings, notices, advertising, etc.)											0	\$ -
Develop workshop agenda											0	\$ -
Develop exhibits for noise workshops including aerial maps with barrier locations and property lines, graphics of proposed barrier types, graphics of surface treatments and colors, perspective drawings, voting information / ballots, handouts, PowerPoint presentation and fact sheet											0	\$ -
Identify and propose for approval locations for the four (4) workshops											0	\$ -
Prepare a draft noise workshop notification packet for review and approval											0	\$ -
Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30 days prior to the workshop											0	\$ -
Conduct followup phone calls for property owners who have not responded for noise workshop											0	\$ -
Provide door hangers on the adjacent properties											0	\$ -
Notify other interested parties and local elected officials											0	\$ -
Develop a draft summary of the results of the noise workshop process to document the outcome											0	\$ -
Provide final summary report of the noise workshop process											0	\$ -
<b>Task 4: Environmental Support Services</b>												

Fee Schedule

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1											September 9, 2014	
TASK DESCRIPTION	Sr. Env'l Scientist II TVZ	Sr. Env'l Scientist I JB JK AP	Env'l Scientist II RF	Env'l Scientist I Bob	Env'l Prof II Ed	Env'l Prof I ER HV JH	Env'l Staff III JM	Env'l Staff II SC JL CH	Env'l Staff I ES	Env'l Tech I	Total Hours	Labor Cost
Negotiated Contract Rate	\$180.77	\$156.67	\$138.59	\$111.47	\$105.45	\$82.85	\$72.31	\$67.79	\$60.26	\$49.71		
<b>Subtask A: Administrative Record (AR)</b>												
Establish, track, organize and manage the project's administrative record supporting the agency's decisions											0	\$ -
Create and maintain an index and a database of documents contained within the AR											0	\$ -
<b>Task 5: Public Involvement</b>												
<b>Subtask A: Public Involvement Plan</b>												
Update the public involvement plan and submit five copies to the Mobility Authority, TxDOT Austin District and TxDOT ENV for review and approval											0	\$ -
<b>Subtask B: Stakeholder Engagement</b>												
Update the mailing list											0	\$ -
Provide content for inclusion on the Project Website											0	\$ -
Assist with monitoring, responding to, and developing content vis-à-vis the project's E-Mail Hotline and Twitter Account; assist with one general information mailout											0	\$ -
Develop up to two (2) e-newsletters for e-mail distribution to the project mailing list. Jacobs will develop an initial draft of text, GEC will manage review process, develop graphics, place content into newsletter layout and distribute.											0	\$ -
Develop content for one (1) update of the Project Fact Sheet. Jacobs will develop an initial draft of text, GEC will manage review process, develop graphics, place content into fact sheet layout.											0	\$ -
Mail fact sheets to community members upon request											0	\$ -
One (1) update of FAQs currently posted to the website, including responses, for approval by the Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA and posting on the project website. Assumes Jacobs will develop the initial draft update of the FAQs. GEC/CTRMA will manage review process and once approved post to website.											0	\$ -
Develop and maintain a list of potential community members (neighborhood associations, special interest groups, business associations, etc.) to contact for informal meetings/discussions											0	\$ -
Send project information to community groups and offer to meet with them; respond to requests from community members for meetings with project staff											0	\$ -
Conduct up to two (2) meetings with community groups. Assumes attendance at a community sponsored event, not a separate meeting.											0	\$ -
Assist with up to three (3) agency-to-agency meetings.			3								3	\$ 470.01
Coordinate with the Mobility Authority and TxDOT on meeting logistics											0	\$ -
Maintain a complete correspondence file for the stakeholder meetings											0	\$ -
Prepare a neighborhood meeting summary for each meeting											0	\$ -
Coordinate and hold up to twenty (20) stakeholder interviews and meetings and prepare meeting summaries. The CTRMA will handle this effort, no hours are provided.		0									0	\$ -
<b>Subtask C: Public Hearing</b>												
Secure the hearing location, date and time (includes securing a/v equipment, chairs/tables, podium, etc.)											0	\$ -
Prepare and publish legal notice for the hearing. Assumes one 30-day notice in published in the Austin Statesman. Jacobs to supply text for display ads; design and layout by others.											0	\$ -
Prepare and distribute meeting notices, including one (1) postcard invitation and (1) one e-mail notice to the general public and elected officials, and distribution to the contacts on project databases. Jacobs will develop an initial draft of text (e-mail notice and postcard), GEC will develop graphics and place content into postcard/email format, once approved Jacobs will use every door direct to distribute postcard. CTRMA/GEC will distribute email to general public and elected officials.											0	\$ -
Prepare hearing handouts, agendas, name tags, sign-in sheets, speaker cards, comment cards, Power Point presentation with accompanying speech, one planview of the Preferred Alternative, four (4) typical sections of the Preferred Alternative and ten (10) exhibit boards, including two (2) rounds of revisions.	4	0				6					10	\$ 1,220.18
Provide a translator and audio/video equipment											0	\$ -
Provide a court reporter											0	\$ -
Compile and prepare responses to up to 125 comments (see B.2.B.) - Assumes two (2) rounds of revisions.	4	0	0								4	\$ 723.08
Arrange up to four (4) pre-meetings with the Mobility Authority and TxDOT to review all exhibits and other materials to be used at the Hearing											0	\$ -
Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make presentations, and answer questions		0				0					0	\$ -
Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.											0	\$ -
<b>Total</b>	8	15	0	0	0	6	0	12	6	0	47	\$ 5,468.35
<b>Total</b>	\$ 1,446.16	\$ 2,350.05	\$ -	\$ -	\$ -	\$ 497.10	\$ -	\$ 813.48	\$ 361.56	\$ -	\$ -	\$ 5,468.35

Fee Schedule

Other Direct Expenses	Unit	Quantity	Rate	Total
4" X 6" Digital Color Print	picture		\$ 0.20	\$ -
Meals	day/person		\$ 30.00	\$ -
Mileage	mile		\$ 0.565	\$ -
Rental Car (Includes taxes and fees; Insurance costs will not	day		\$ 50.00	\$ -
SUV or ATV Rental (Includes taxes and fees; Insurance costs	day		\$ 100.00	\$ -
Lease Vehicle (Includes taxes and fees; Insurance costs will	month		\$ 1,500.00	\$ -
Rental Car Fuel	per gallon		\$ 4.00	\$ -
Air Travel	Rd Trip/person		\$ 500.00	\$ -
Air Travel - In State - Short Notice (Coach)	Rd Trip/person		\$ 600.00	\$ -
Air Travel - In State - 2+ Wks Notice (Coach)	Rd Trip/person		\$ 350.00	\$ -
Parking	day		\$ 25.00	\$ -
Parking	week		\$ 100.00	\$ -
Toll Charges	each		\$ 2.00	\$ -
Taxi/Cab fare	each/person		\$ 50.00	\$ -
Telephone	month		\$ 150.00	\$ -
Postage	each		\$ 0.46	\$ -
Photocopies 8/W (8 1/2" X 11")	each		\$ 0.10	\$ -
Plots (B/W on Bond)	square foot		\$ 1.50	\$ -
Plots (Color on Bond)	square foot		\$ 3.00	\$ -
Plots (Color on Photographic Paper)	square foot		\$ 5.00	\$ -
Color Graphics on Foam Board	each		\$ 250.00	\$ -
Color Graphics on Foam Board	square foot		\$ 25.00	\$ -
Presentation Boards 30" X 40" Color Mounted	each		\$ 100.00	\$ -
Notebooks	each		\$ 25.00	\$ -
Newsletter - print, production, mail	event		\$ 4,500.00	\$ -
Reproduction of CD/DVD	each		\$ 5.00	\$ -
CDs	each		\$ 5.00	\$ -
Film - 24 Exp Roll	roll		\$ 5.00	\$ -
Fim Processing - 24 Exp Roll	roll		\$ 6.00	\$ -
Historical Aerial Images	unit		\$ 50.00	\$ -
Tx Parks & Wildlife Data Request Fees	each		\$ 250.00	\$ -
Hazardous Materials Database Search	per search		\$ 1,500.00	\$ -
Required Permit Fees	each		\$ 1,000.00	\$ -
Backhoe Rental	day		\$ 1,000.00	\$ -
GPS Receiver	day		\$ 100.00	\$ -
Environmental Field Supplies (lathes, stakes, flagging, spray paint, etc.)	day		\$ 100.00	\$ -
Curator (Drawer & TX Archaeological Research Lab for artifacts & report	per project		\$ 5,000.00	\$ -
Database Search (i.e. Texas Online Directory)	each		\$ 100.00	\$ -
Newspaper Advertisement	per publication		\$ 2,000.00	\$ -
Court Reporter	page		\$ 100.00	\$ -
Court Reporter (Public Hearings & Transcription)	day		\$ 1,000.00	\$ -
Law Enforcement/Uniform Officer	hour/officer		\$ 200.00	\$ -
Translator (English to Spanish) for Public Involvement	event		\$ 1,000.00	\$ -
Translator (English to Spanish or Sign Language)	hour		\$ 500.00	\$ -
Custodian for Public Involvement	hour/custodian		\$ 100.00	\$ -
Sound Technican for Public Involvement	event		\$ 1,000.00	\$ -
Material Production for Public Involvement (handouts, exhibits, ect)	event		\$ 1,500.00	\$ -
Public Involvement Facility Rental	event		\$ 3,000.00	\$ -
Audio - Visual Equipment Rental	event		\$ 2,000.00	\$ -
Audio - Equipment Rental	each		\$ 1,000.00	\$ -
Public Notices - Mass Mailing	500		\$ 1,500.00	\$ -
Desktop & Microcomputer w/Plotter	hour		\$ 125.00	\$ -
Microstation CADD System w/Plotter	hour		\$ 50.00	\$ -
Robotic Total Station	day		\$ 250.00	\$ -
Boat with Motor	day		\$ 500.00	\$ -
GPS RTK	hour		\$ 30.00	\$ -
GPS Static	hour		\$ 20.00	\$ -
Map Records	sheet		\$ 50.00	\$ -
Certified Deed Copies	sheet		\$ 25.00	\$ -
Deed Copies	sheet		\$ 3.00	\$ -
Aerial Film Scanning	per frame		\$ 17.50	\$ -
Aerial Turns	each		\$ 50.00	\$ -
Aerial Turns	mile		\$ 5.92	\$ -
Cross Country	mile		\$ 5.92	\$ -
Mobilization Fee	each		\$ 1,000.00	\$ -
Film	linear foot		\$ 20.00	\$ -
Photographs	mile		\$ 22.66	\$ -
Flight Line	mile		\$ 5.92	\$ -
Aerial Photography Mobilization Fee	Per Project		\$ 375.00	\$ -
Project Flight Miles (on project flight miles)	Per Mile		\$ 30.00	\$ -
Color Film Processing	Per Frame		\$ 48.50	\$ -
Digital Image processing/Film Scanning	Per Frame		\$ 28.35	\$ -
Taxonomy Expert	hour		\$ 212.00	\$ -
Dive gear rental per person	day		\$ 50.00	\$ -
Consumable field supplies	unit		\$ 700.00	\$ -
Downhole Camera Rental	day		\$ 250.00	\$ -
Photocopies (color) 8-1/2 X 11	each		\$ 0.45	\$ -
Certified Mail	unit		\$ 1.50	\$ -
Meeting supplies (cardstock, nametags, pens, etc.)	unit		\$ 300.00	\$ -
Refreshments	event		\$ 125.00	\$ -
<b>Total</b>				\$ -

Fee Schedule

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1											
TASK DESCRIPTION	Principal	Project Manager	Senior Engineer	Project Engineer	EIT	Senior CADD Technician	CADD Technician	Office Administrator	Admin/Clerical	Total Hours	Labor Cost
Negotiated Contract Rate	\$194.18	\$191.93	\$144.51	\$105.37	\$85.80	\$96.34	\$69.24	\$75.26	\$48.17		
<b>II. Project Management and Administration</b>											
<b>A. Project Management and Administration</b>											
Task 1: Provide monthly progress reports and invoices (12)		3	3					6	6	18	\$ 1,749.90
Task 2: Provide record keeping and file management									4	4	\$ 192.68
Task 3: Provide project correspondence										0	\$ -
Task 4: Prepare monthly schedule updates (12)											
<b>B. Coordination</b>											
Schedule, attend and conduct Agency Coordination with CTRMA, TxDOT and FHWA (24 meetings- assumed)		0	0							0	\$ -
Develop agendas, action items and meeting minutes for all meetings											
<b>C. Quality Assurance/quality control (QA/QC)</b>											
Provide Certification of QA/QC at deliverable milestones		0							0	0	\$ -
<b>III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY</b>											
<b>A. Route and Design Studies</b>											
<b>Task 1: Design Schematics</b>											
Develop preliminary noise barrier design										0	\$ -
Assess the feasibility of each proposed location and recommend a construction type most appropriate for each site										0	\$ -
Identify issues associated with proposed barriers and drainage constraints										0	\$ -
Assess the feasibility of aesthetic treatments and collect sample cost estimates for various aesthetic treatments										0	\$ -
Identify limits of clearing and impacts associated with proposed barriers										0	\$ -
Provide preliminary quantities and construction cost estimates for each proposed barrier										0	\$ -
Prepare typical details for aesthetic concept development										0	\$ -
Revise details for preferred aesthetic treatments and noise wall types										0	\$ -
Develop preliminary noise wall layouts										0	\$ -
<b>B. Social, Economic and Environmental Studies and Public Involvement</b>											
<b>Task 1: Project Scope for Environmental Review Document</b>											
Prepare Project Scope for Environmental Review document										0	\$ -
Conduct Workshop to finalize Project Scope for Environmental Review										0	\$ -
<b>Task 2: Environmental Document Preparation</b>											
<b>Subtask A: Draft Environmental Assessment (EA)</b>											
Prepare the draft EA for the project		0	0							0	\$ -
Schedule and attend an environmental document review meeting with the Mobility Authority		0	0							0	\$ -
Revise the EA, addressing comments obtained from the Mobility Authority, TxDOT Austin District, TxDOT ENV, FHWA, and Agency review		0	0							0	\$ -
<b>Subtask B: Final EA</b>											
Update the environmental document after the Public Hearing		2	0							2	\$ 383.86
Prepare and list public hearing comments and responses										0	\$ -
Submit the revised preliminary Final EA for Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA review										0	\$ -
Revise the Final EA document to respond to Mobility Authority, TxDOT, FHWA, and Agency comments		2	0							2	\$ 383.86
Provide hard copies and CDs of the Final EA										0	\$ -
<b>Subtask C: FONSI/Final Approval</b>											
Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)										0	\$ -
<b>Task 3: Noise Workshops</b>											
Conduct an initial internal workshop with the Mobility Authority, TxDOT, and the GEC										0	\$ -
Conduct one (1) noise workshop										0	\$ -
Develop talking points for noise workshops										0	\$ -
Identify and document information to be communicated to the public (mailings, notices, advertising, etc.)										0	\$ -
Develop workshop agenda										0	\$ -
Develop exhibits for noise workshops including aerial maps with barrier locations and property lines, graphics of proposed barrier types, graphics of surface treatments and colors, perspective drawings, voting information / ballots, handouts, PowerPoint presentation and fact sheet										0	\$ -
Identify and propose for approval locations for the four (4) workshops										0	\$ -
Prepare a draft noise workshop notification packet for review and approval										0	\$ -
Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30 days prior to the workshop										0	\$ -
Conduct followup phone calls for property owners who have not responded for noise workshop										0	\$ -
Provide door hangers on the adjacent properties										0	\$ -
Notify other interested parties and local elected officials										0	\$ -
Develop a draft summary of the results of the noise workshop process to document the outcome										0	\$ -
Provide final summary report of the noise workshop process										0	\$ -
<b>Task 4: Environmental Support Services</b>											
<b>Subtask A: Administrative Record (AR)</b>											

Fee Schedule

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1											
TASK DESCRIPTION	Principal	Project Manager	Senior Engineer	Project Engineer	EIT	Senior CADD Technician	CADD Technician	Office Administrator	Admin/Clerical	Total Hours	Labor Cost
Negotiated Contract Rate	\$194.18	\$191.93	\$144.51	\$105.37	\$85.80	\$96.34	\$69.24	\$75.26	\$48.17		
Establish, track, organize and manage the project's administrative record supporting the agency's decisions										0	\$ -
Create and maintain an index and a database of documents contained within the AR										0	\$ -
<b>Task 5: Public Involvement</b>											
<b>Subtask A: Public Involvement Plan</b>											
Update the public involvement plan and submit five copies to the Mobility Authority, TxDOT Austin District and TxDOT ENV for review and approval										0	\$ -
<b>Subtask B: Stakeholder Engagement</b>											
Update the mailing list										0	\$ -
Provide content for inclusion on the Project Website										0	\$ -
Assist with monitoring, responding to, and developing content vis-à-vis the project's E-Mail Hotline and Twitter Account; assist with one general information mailout										0	\$ -
Develop up to two (2) e-newsletters for e-mail distribution to the project mailing list. Jacobs will develop an initial draft of text, GEC will manage review process, develop graphics, place content into newsletter layout and distribute.										0	\$ -
Develop content for one (1) update of the Project Fact Sheet. Jacobs will develop an initial draft of text, GEC will manage review process, develop graphics, place content into fact sheet layout.										0	\$ -
Mail fact sheets to community members upon request										0	\$ -
One (1) update of FAQs currently posted to the website, including responses, for approval by the Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA and posting on the project website. Assumes Jacobs will develop the initial draft update of the FAQs. GEC/CTRMA will manage review process and once approved post to website.										0	\$ -
Develop and maintain a list of potential community members (neighborhood associations, special interest groups, business associations, etc.) to contact for informal meetings/discussions										0	\$ -
Send project information to community groups and offer to meet with them; respond to requests from community members for meetings with project staff										0	\$ -
Conduct up to two (2) meetings with community groups. Assumes attendance at a community sponsored event, not a separate meeting.		3	3							6	\$ 1,009.32
Assist with up to three (3) agency-to-agency meetings.										0	\$ -
Coordinate with the Mobility Authority and TxDOT on meeting logistics										0	\$ -
Maintain a complete correspondence file for the stakeholder meetings										0	\$ -
Prepare a neighborhood meeting summary for each meeting										0	\$ -
Coordinate and hold up to twenty (20) stakeholder interviews and meetings and prepare meeting summaries. The CTRMA will handle this effort, no hours are provided.										0	\$ -
<b>Subtask C: Public Hearing</b>											
Secure the hearing location, date and time (includes securing a/v equipment, chairs/tables, podium, etc.)										0	\$ -
Prepare and publish legal notice for the hearing. Assumes one 30-day notice in published in the Austin Statesman. Jacobs to supply text for display ads; design and layout by others.										0	\$ -
Prepare and distribute meeting notices, including one (1) postcard invitation and (1) one e-mail notice to the general public and elected officials, and distribution to the contacts on project databases. Jacobs will develop an initial draft of text (e-mail notice and postcard), GEC will develop graphics and place content into postcard/email format, once approved Jacobs will use every door direct to distribute postcard. CTRMA/GEC will distribute email to general public and elected officials.										0	\$ -
Prepare hearing handouts, agendas, name tags, sign-in sheets, speaker cards, comment cards, Power Point presentation with accompanying speech, one planview of the Preferred Alternative, four (4) typical sections of the Preferred Alternative and ten (10) exhibit boards, including two (2) rounds of revisions.	4	0	0							4	\$ 776.72
Provide a translator and audio/video equipment		0								0	\$ -
Provide a court reporter										0	\$ -
Compile and prepare responses to up to 125 comments (see B.2.B.) - Assumes two (2) rounds of revisions.	4	0	0							4	\$ 776.72
Arrange up to four (4) pre-meetings with the Mobility Authority and TxDOT to review all exhibits and other materials to be used at the Hearing										0	\$ -
Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make presentations, and answer questions	3									3	\$ 582.54
Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.										0	\$ -
<b>Total</b>	11	10	6	0	0	0	0	6	10	43	\$ 5,855.60
<b>Total</b>	\$ 2,135.98	\$ 1,919.30	\$ 867.06	\$ -	\$ -	\$ -	\$ -	\$ 451.56	\$ 481.70		\$ 5,855.60



Fee Schedule

Other Direct Expenses	Unit	Quantity	Rate	Total
4" X 6" Digital Color Print	picture		\$ 0.20	\$ -
Meals	day/person		\$ 30.00	\$ -
Mileage	mile		\$ 0.565	\$ -
Rental Car (Includes taxes and fees; Insurance costs will not	day		\$ 50.00	\$ -
SUV or ATV Rental (Includes taxes and fees; Insurance costs	day		\$ 100.00	\$ -
Lease Vehicle (Includes taxes and fees; Insurance costs will	month		\$ 1,500.00	\$ -
Rental Car Fuel	per gallon		\$ 4.00	\$ -
Air Travel	Rd Trip/person		\$ 500.00	\$ -
Air Travel - In State - Short Notice (Coach)	Rd Trip/person		\$ 600.00	\$ -
Air Travel - In State - 2+ Wks Notice (Coach)	Rd Trip/person		\$ 350.00	\$ -
Parking	day		\$ 25.00	\$ -
Parking	week		\$ 100.00	\$ -
Toll Charges	each		\$ 2.00	\$ -
Taxi/Cab fare	each/person		\$ 50.00	\$ -
Telephone	month		\$ 150.00	\$ -
Postage	each		\$ 0.46	\$ -
Photocopies B/W (8 1/2" X 11")	each		\$ 0.10	\$ -
Plots (B/W on Bond)	square foot		\$ 1.50	\$ -
Plots (Color on Bond)	square foot		\$ 3.00	\$ -
Plots (Color on Photographic Paper)	square foot		\$ 5.00	\$ -
Color Graphics on Foam Board	each		\$ 250.00	\$ -
Color Graphics on Foam Board	square foot		\$ 25.00	\$ -
Presentation Boards 30" X 40" Color Mounted	each		\$ 100.00	\$ -
Notebooks	each		\$ 25.00	\$ -
Newsletter - print, production, mail	event		\$ 4,500.00	\$ -
Reproduction of CD/DVD	each		\$ 5.00	\$ -
CDs	each		\$ 5.00	\$ -
Film - 24 Exp Roll	roll		\$ 5.00	\$ -
Fim Processing - 24 Exp Roll	roll		\$ 6.00	\$ -
Historical Aerial Images	unit		\$ 50.00	\$ -
Tx Parks & Wildlife Data Request Fees	each		\$ 250.00	\$ -
Hazardous Materials Database Search	per search		\$ 1,500.00	\$ -
Required Permit Fees	each		\$ 1,000.00	\$ -
Backhoe Rental	day		\$ 1,000.00	\$ -
GPS Receiver	day		\$ 100.00	\$ -
Environmental Field Supplies (lathes, stakes, flagging, spray paint, etc.)	day		\$ 100.00	\$ -
Curator (Drawer & TX Archaeological Research Lab for artifacts & report	per project		\$ 5,000.00	\$ -
Database Search (i.e. Texas Online Directory)	each		\$ 100.00	\$ -
Newspaper Advertisement	per publication		\$ 2,000.00	\$ -
Court Reporter	page		\$ 100.00	\$ -
Court Reporter (Public Hearings & Transcription)	day		\$ 1,000.00	\$ -
Law Enforcement/Uniform Officer	hour/officer		\$ 200.00	\$ -
Translator (English to Spanish) for Public Involvement	event		\$ 1,000.00	\$ -
Translator (English to Spanish or Sign Language)	hour		\$ 500.00	\$ -
Custodian for Public Involvement	hour/custodian		\$ 100.00	\$ -
Sound Technican for Public Involvement	event		\$ 1,000.00	\$ -
Material Production for Public Involvement (handouts, exhibits, ect)	event		\$ 1,500.00	\$ -
Public Involvement Facility Rental	event		\$ 3,000.00	\$ -
Audio - Visual Equipment Rental	event		\$ 2,000.00	\$ -
Audio - Equipment Rental	each		\$ 1,000.00	\$ -
Public Notices - Mass Mailing	500		\$ 1,500.00	\$ -
Desktop & Microcomputer w/Plotter	hour		\$ 125.00	\$ -
Microstation CADD System w/Plotter	hour		\$ 50.00	\$ -
Robotic Total Station	day		\$ 250.00	\$ -
Boat with Motor	day		\$ 500.00	\$ -
GPS RTK	hour		\$ 30.00	\$ -
GPS Static	hour		\$ 20.00	\$ -
Map Records	sheet		\$ 50.00	\$ -
Certified Deed Copies	sheet		\$ 25.00	\$ -
Deed Copies	sheet		\$ 3.00	\$ -
Aerial Film Scanning	per frame		\$ 17.50	\$ -
Aerial Turns	each		\$ 50.00	\$ -
Aerial Turns	mile		\$ 5.92	\$ -
Cross Country	mile		\$ 5.92	\$ -
Mobilization Fee	each		\$ 1,000.00	\$ -
Film	linear foot		\$ 20.00	\$ -
Photographs	mile		\$ 22.66	\$ -
Flight Line	mile		\$ 5.92	\$ -
Aerial Photography Mobilization Fee	Per Project		\$ 375.00	\$ -
Project Flight Miles (on project flight miles)	Per Mile		\$ 30.00	\$ -
Color Film Processing	Per Frame		\$ 48.50	\$ -
Digital Image processing/Film Scanning	Per Frame		\$ 28.35	\$ -
Taxonomy Expert	hour		\$ 212.00	\$ -
Dive gear rental per person	day		\$ 50.00	\$ -
Consumable field supplies	unit		\$ 700.00	\$ -
Downhole Camera Rental	day		\$ 250.00	\$ -
Photocopies (color) 8-1/2 X 11	each		\$ 0.45	\$ -
Certified Mail	unit		\$ 1.50	\$ -
Meeting supplies (cardstock,nametags,pens, etc.)	unit		\$ 300.00	\$ -
Refreshments	event		\$ 125.00	\$ -
			\$	\$ -

Fee Schedule

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1						
TASK DESCRIPTION	Principal	Project Manager	Environmental Designer	Ecologist	Total Hours	Labor Cost
Negotiated Contract Rate	\$210.00	\$136.50	\$105.00	\$105.00		
<b>II. Project Management and Administration</b>						
<b>A. Project Management and Administration</b>						
Task 1: Provide monthly progress reports and invoices (12)	6	6	6		18	\$ 2,709.00
Task 2: Provide record keeping and file management					0	\$ -
Task 3: Provide project correspondence					0	\$ -
Task 4: Prepare monthly schedule updates (12)					0	\$ -
<b>B. Coordination</b>						
Schedule, attend and conduct Agency Coordination with CTRMA, TxDOT and FHWA (24 meetings assumed)					0	\$ -
Develop agendas, action items and meeting minutes for all meetings					0	\$ -
<b>C. Quality Assurance/quality control (QA/QC)</b>						
Provide Certification of QA/QC at deliverable milestones					0	\$ -
<b>III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY</b>						
<b>A. Route and Design Studies</b>						
<b>Task 1: Design Schematics</b>						
Develop preliminary noise barrier design					0	\$ -
Assess the feasibility of each proposed location and recommend a construction type most appropriate for each site					0	\$ -
Identify issues associated with proposed barriers and drainage constraints					0	\$ -
Assess the feasibility of aesthetic treatments and collect sample cost estimates for various aesthetic treatments					0	\$ -
Identify limits of clearing and impacts associated with proposed barriers					0	\$ -
Provide preliminary quantities and construction cost estimates for each proposed barrier					0	\$ -
Prepare typical details for aesthetic concept development					0	\$ -
Revise details for preferred aesthetic treatments and noise wall types					0	\$ -
Develop preliminary noise wall layouts					0	\$ -
<b>B. Social, Economic and Environmental Studies and Public Involvement</b>						
<b>Task 1: Project Scope for Environmental Review Document</b>						
Prepare Project Scope for Environmental Review document					0	\$ -
Conduct Workshop to finalize Project Scope for Environmental Review					0	\$ -
<b>Task 2: Environmental Document Preparation</b>						
<b>Subtask A: Draft Environmental Assessment (EA)</b>						
Prepare the draft EA for the project	0	0	0		0	\$ -
Schedule and attend an environmental document review meeting with the Mobility Authority					0	\$ -
Revise the EA, addressing comments obtained from the Mobility Authority, TxDOT Austin District, TxDOT ENV, FHWA, and Agency review					0	\$ -
<b>Subtask B: Final EA</b>						
Update the environmental document after the Public Hearing					0	\$ -
Prepare and list public hearing comments and responses					0	\$ -
Submit the revised preliminary Final EA for Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA review					0	\$ -
Revise the Final EA document to respond to Mobility Authority, TxDOT, FHWA, and Agency comments					0	\$ -
Provide hard copies and CDs of the Final EA					0	\$ -
<b>Subtask C: FONSI/Final Approval</b>						
Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)					0	\$ -
<b>Task 3: Noise Workshops</b>						
Conduct an initial internal workshop with the Mobility Authority, TxDOT, and the GEC					0	\$ -
Conduct one (1) noise workshop					0	\$ -
Develop talking points for noise workshops					0	\$ -
Identify and document information to be communicated to the public (mailings, notices, advertising, etc.)					0	\$ -
Develop workshop agenda					0	\$ -
Develop exhibits for noise workshops including aerial maps with barrier locations and property lines, graphics of proposed barrier types, graphics of surface treatments and colors, perspective drawings, voting information / ballots, handouts, PowerPoint presentation and fact sheet					0	\$ -
Identify and propose for approval locations for the four (4) workshops					0	\$ -
Prepare a draft noise workshop notification packet for review and approval					0	\$ -
Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30 days prior to the workshop					0	\$ -
Conduct followup phone calls for property owners who have not responded for noise workshop					0	\$ -
Provide door hangers on the adjacent properties					0	\$ -
Notify other interested parties and local elected officials					0	\$ -
Develop a draft summary of the results of the noise workshop process to document the outcome					0	\$ -
Provide final summary report of the noise workshop process					0	\$ -

Fee Schedule

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1						
TASK DESCRIPTION	Principal	Project Manager	Environmental Designer	Ecologist	Total Hours	Labor Cost
Negotiated Contract Rate	\$210.00	\$136.50	\$105.00	\$105.00		
<b>Task 4: Environmental Support Services</b>						
<b>Subtask A: Administrative Record (AR)</b>						
Establish, track, organize and manage the project's administrative record supporting the agency's decisions					0	\$ -
Create and maintain an index and a database of documents contained within the AR					0	\$ -
<b>Task 5: Public Involvement</b>						
<b>Subtask A: Public Involvement Plan</b>						
Update the public involvement plan and submit five copies to the Mobility Authority, TxDOT Austin District and TxDOT ENV for review and approval					0	\$ -
<b>Subtask B: Stakeholder Engagement</b>						
Update the mailing list					0	\$ -
Provide content for inclusion on the Project Website					0	\$ -
Assist with monitoring, responding to, and developing content vis-à-vis the project's E-Mail Hotline and Twitter Account; assist with one general information mailout					0	\$ -
Develop up to two (2) e-newsletters for e-mail distribution to the project mailing list. Jacobs will develop an initial draft of text, GEC will manage review process, develop graphics, place content into newsletter layout and distribute.					0	\$ -
Develop content for one (1) update of the Project Fact Sheet. Jacobs will develop an initial draft of text, GEC will manage review process, develop graphics, place content into fact sheet layout.					0	\$ -
Mail fact sheets to community members upon request					0	\$ -
One (1) update of FAQs currently posted to the website, including responses, for approval by the Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA and posting on the project website. Assumes Jacobs will develop the initial draft update of the FAQs. GEC/CTRMA will manage review process and once approved post to website.					0	\$ -
Develop and maintain a list of potential community members (neighborhood associations, special interest groups, business associations, etc.) to contact for informal meetings/discussions					0	\$ -
Send project information to community groups and offer to meet with them; respond to requests from community members for meetings with project staff					0	\$ -
Conduct up to two (2) meetings with community groups. Assumes attendance at a community sponsored event, not a separate meeting.					0	\$ -
Assist with up to three (3) agency-to-agency meetings.					0	\$ -
Coordinate with the Mobility Authority and TxDOT on meeting logistics					0	\$ -
Maintain a complete correspondence file for the stakeholder meetings					0	\$ -
Prepare a neighborhood meeting summary for each meeting					0	\$ -
Coordinate and hold up to twenty (20) stakeholder interviews and meetings and prepare meeting summaries. The CTRMA will handle this effort, no hours are provided.					0	\$ -
<b>Subtask C: Public Hearing</b>						
Secure the hearing location, date and time (includes securing a/v equipment, chairs/tables, podium, etc.)					0	\$ -
Prepare and publish legal notice for the hearing. Assumes one 30-day notice in published in the Austin Statesman. Jacobs to supply text for display ads; design and layout by others.					0	\$ -
Prepare and distribute meeting notices, including one (1) postcard invitation and (1) one e-mail notice to the general public and elected officials, and distribution to the contacts on project databases. Jacobs will develop an initial draft of text (e-mail notice and postcard), GEC will develop graphics and place content into postcard/email format, once approved Jacobs will use every door direct to distribute postcard. CTRMA/GEC will distribute email to general public and elected officials.					0	\$ -
Prepare hearing handouts, agendas, name tags, sign-in sheets, speaker cards, comment cards, Power Point presentation with accompanying speech, one planview of the Preferred Alternative, four (4) typical sections of the Preferred Alternative and ten (10) exhibit boards, including two (2) rounds of revisions.	4	0	0		4	\$ 840.00
Provide a translator and audio/video equipment					0	\$ -
Provide a court reporter					0	\$ -
Compile and prepare responses to up to 125 comments (see B.2.B.) - Assumes two (2) rounds of revisions.	4	0			4	\$ 840.00
Arrange up to four (4) pre-meetings with the Mobility Authority and TxDOT to review all exhibits and other materials to be used at the Hearing					0	\$ -
Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make presentations, and answer questions	3	0			3	\$ 630.00
Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.					0	\$ -
<b>Total</b>	17	6	6	0	29	\$ 5,019.00
<b>Total</b>	\$ 3,570.00	\$ 819.00	\$ 630.00	\$ -		\$ 5,019.00

Fee Schedule

Other Direct Expenses	Unit	Quantity	Rate	Total
4" X 6" Digital Color Print	picture		\$ 0.20	\$ -
Meals	day/person		\$ 30.00	\$ -
Mileage	mile		\$ 0.565	\$ -
Rental Car (Includes taxes and fees; Insurance costs will not	day		\$ 50.00	\$ -
SUV or ATV Rental (Includes taxes and fees; Insurance costs	day		\$ 100.00	\$ -
Lease Vehicle (Includes taxes and fees; Insurance costs will	month		\$ 1,500.00	\$ -
Rental Car Fuel	per gallon		\$ 4.00	\$ -
Air Travel	Rd Trip/person		\$ 500.00	\$ -
Air Travel - In State - Short Notice (Coach)	Rd Trip/person		\$ 600.00	\$ -
Air Travel - In State - 2+ Wks Notice (Coach)	Rd Trip/person		\$ 350.00	\$ -
Parking	day		\$ 25.00	\$ -
Parking	week		\$ 100.00	\$ -
Toll Charges	each		\$ 2.00	\$ -
Taxi/Cab fare	each/person		\$ 50.00	\$ -
Telephone	month		\$ 150.00	\$ -
Postage	each		\$ 0.46	\$ -
Photocopies 8 1/2" X 11"	each		\$ 0.10	\$ -
Plots (B/W on Bond)	square foot		\$ 1.50	\$ -
Plots (Color on Bond)	square foot		\$ 3.00	\$ -
Plots (Color on Photographic Paper)	square foot		\$ 5.00	\$ -
Color Graphics on Foam Board	each		\$ 250.00	\$ -
Color Graphics on Foam Board	square foot		\$ 25.00	\$ -
Presentation Boards 30" X 40" Color Mounted	each		\$ 100.00	\$ -
Notebooks	each		\$ 25.00	\$ -
Newsletter - print, production, mail	event		\$ 4,500.00	\$ -
Reproduction of CD/DVD	each		\$ 5.00	\$ -
CDs	each		\$ 5.00	\$ -
Film - 24 Exp Roll	roll		\$ 5.00	\$ -
Fim Processing - 24 Exp Roll	roll		\$ 6.00	\$ -
Historical Aerial Images	unit		\$ 50.00	\$ -
Tx Parks & Wildlife Data Request Fees	each		\$ 250.00	\$ -
Hazardous Materials Database Search	per search		\$ 1,500.00	\$ -
Required Permit Fees	each		\$ 1,000.00	\$ -
Backhoe Rental	day		\$ 1,000.00	\$ -
GPS Receiver	day		\$ 100.00	\$ -
Environmental Field Supplies (lathes, stakes, flagging, spray paint, etc.)	day		\$ 100.00	\$ -
Curator (Drawer & TX Archaeological Research Lab for artifacts & report	per project		\$ 5,000.00	\$ -
Database Search (i.e. Texas Online Directory)	each		\$ 100.00	\$ -
Newspaper Advertisement	per publication		\$ 2,000.00	\$ -
Court Reporter	page		\$ 100.00	\$ -
Court Reporter (Public Hearings & Transcription)	day		\$ 1,000.00	\$ -
Law Enforcement/Uniform Officer	hour/officer		\$ 200.00	\$ -
Translator (English to Spanish) for Public Involvement	event		\$ 1,000.00	\$ -
Translator (English to Spanish or Sign Language)	hour		\$ 500.00	\$ -
Custodian for Public Involvement	hour/custodian		\$ 100.00	\$ -
Sound Technician for Public Involvement	event		\$ 1,000.00	\$ -
Material Production for Public Involvement (handouts, exhibits, ect)	event		\$ 1,500.00	\$ -
Public Involvement Facility Rental	event		\$ 3,000.00	\$ -
Audio - Visual Equipment Rental	event		\$ 2,000.00	\$ -
Audio - Equipment Rental	each		\$ 1,000.00	\$ -
Public Notices - Mass Mailing	500		\$ 1,500.00	\$ -
Desktop & Microcomputer w/Plotter	hour		\$ 125.00	\$ -
Microstation CADD System w/Plotter	hour		\$ 50.00	\$ -
Robotic Total Station	day		\$ 250.00	\$ -
Boat with Motor	day		\$ 500.00	\$ -
GPS RTK	hour		\$ 30.00	\$ -
GPS Static	hour		\$ 20.00	\$ -
Map Records	sheet		\$ 50.00	\$ -
Certified Deed Copies	sheet		\$ 25.00	\$ -
Deed Copies	sheet		\$ 3.00	\$ -
Aerial Film Scanning	per frame		\$ 17.50	\$ -
Aerial Turns	each		\$ 50.00	\$ -
Aerial Turns	mile		\$ 5.92	\$ -
Cross Country	mile		\$ 5.92	\$ -
Mobilization Fee	each		\$ 1,000.00	\$ -
Film	linear foot		\$ 20.00	\$ -
Photographs	mile		\$ 22.66	\$ -
Flight Line	mile		\$ 5.92	\$ -
Aerial Photography Mobilization Fee	Per Project		\$ 375.00	\$ -
Project Flight Miles (on project flight miles)	Per Mile		\$ 30.00	\$ -
Color Film Processing	Per Frame		\$ 48.50	\$ -
Digital Image processing/Film Scanning	Per Frame		\$ 28.35	\$ -
Taxonomy Expert	hour		\$ 212.00	\$ -
Dive gear rental per person	day		\$ 50.00	\$ -
Consumable field supplies	unit		\$ 700.00	\$ -
Downhole Camera Rental	day		\$ 250.00	\$ -
Photocopies (color) 8-1/2 X 11	each		\$ 0.45	\$ -
Certified Mail	unit		\$ 1.50	\$ -
Meeting supplies (cardstock, nametags, pens, etc.)	unit		\$ 300.00	\$ -
Refreshments	event		\$ 125.00	\$ -
			\$	\$ -

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1																				
TASK DESCRIPTION	Sr.Project	Lead	Project	Permitted	Senior	Hydrogeologist	Geophysicist	Diver	Geology	Karst Invertebrate Specialist	Karst	Biology	GIS	Technical	Technician	Technician	Technician	Admin/	Total	Labor
	Manager	Diver	Manager	Scientist	Biologist				Technician		Technician	Technician	Technician	Editor / Writer	III	II	I	Clerical	Hours	Cost
Negotiated Contract Rate	\$159.22	\$159.22	\$138.39	\$111.48	\$111.48	\$111.48	\$111.48	\$111.48	\$90.47	\$111.48	\$90.47	\$90.47	\$90.47	\$90.47	\$66.28	\$57.85	\$33.75	\$64.49		
<b>II. Project Management and Administration</b>																				
<b>A. Project Management and Administration</b>																				
Task 1: Provide monthly progress reports and invoices (12)			6																12	18 \$ 1,604.22
Task 2: Provide record keeping and file management																				0 \$ -
Task 3: Provide project correspondence																				0 \$ -
Task 4: Prepare monthly schedule updates (12)																				0 \$ -
<b>B. Coordination</b>																				
Schedule, attend and conduct Agency Coordination with CTRMA, TxDOT and FHWA (24 meetings assumed)			0																	0 \$ -
Develop agendas, action items and meeting minutes for all meetings																				0 \$ -
<b>C. Quality Assurance/quality control (QA/QC)</b>																				
Provide Certification of QA/QC at deliverable milestones																				0 \$ -
<b>III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY</b>																				
<b>A. Route and Design Studies</b>																				
<b>Task 1: Design Schematics</b>																				
Develop preliminary noise barrier design																				0 \$ -
Assess the feasibility of each proposed location and recommend a construction type most appropriate for each site																				0 \$ -
Identify issues associated with proposed barriers and drainage constraints																				0 \$ -
Assess the feasibility of aesthetic treatments and collect sample cost estimates for various aesthetic treatments																				0 \$ -
Identify limits of clearing and impacts associated with proposed barriers																				0 \$ -
Provide preliminary quantities and construction cost estimates for each proposed barrier																				0 \$ -
Prepare typical details for aesthetic concept development																				0 \$ -
Revise details for preferred aesthetic treatments and noise wall types																				0 \$ -
Develop preliminary noise wall layouts																				0 \$ -
<b>B. Social, Economic and Environmental Studies and Public Involvement</b>																				
<b>Task 1: Project Scope for Environmental Review Document</b>																				
Prepare Project Scope for Environmental Review document																				0 \$ -
Conduct Workshop to finalize Project Scope for Environmental Review																				0 \$ -
<b>Task 2: Environmental Document Preparation</b>																				
<b>Subtask A: Draft Environmental Assessment (EA)</b>																				
Prepare the draft EA for the project																				0 \$ -
Schedule and attend an environmental document review meeting with the Mobility Authority																				0 \$ -
Revise the EA, addressing comments obtained from the Mobility Authority, TxDOT Austin District, TxDOT ENV, FHWA, and Agency review																				0 \$ -
<b>Subtask B: Final EA</b>																				
Update the environmental document after the Public Hearing			2																	2 \$ 276.78
Prepare and list public hearing comments and responses																				0 \$ -
Submit the revised preliminary Final EA for Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA review																				0 \$ -
Revise the Final EA document to respond to Mobility Authority, TxDOT, FHWA, and Agency comments			2																	2 \$ 276.78
Provide hard copies and CDs of the Final EA																				0 \$ -
<b>Subtask C: FONSI/Final Approval</b>																				
Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)																				0 \$ -
<b>Task 3: Noise Workshops</b>																				
Conduct an initial internal workshop with the Mobility Authority, TxDOT, and the GEC																				0 \$ -
Conduct one (1) noise workshop																				0 \$ -
Develop talking points for noise workshops																				0 \$ -
Identify and document information to be communicated to the public (mailings, notices, advertising, etc.)																				0 \$ -
Develop workshop agenda																				0 \$ -
Develop exhibits for noise workshops including aerial maps with barrier locations and property lines, graphics of proposed barrier types, graphics of surface treatments and colors, perspective drawings, voting information / ballots, handouts, PowerPoint presentation and fact sheet																				0 \$ -
Identify and propose for approval locations for the four (4) workshops																				0 \$ -
Prepare a draft noise workshop notification packet for review and approval																				0 \$ -
Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30 days prior to the workshop																				0 \$ -
Conduct followup phone calls for property owners who have not responded for noise workshop																				0 \$ -
Provide door hangers on the adjacent properties																				0 \$ -
Notify other interested parties and local elected officials																				0 \$ -
Develop a draft summary of the results of the noise workshop process to document the outcome																				0 \$ -
Provide final summary report of the noise workshop process																				0 \$ -
<b>Task 4: Environmental Support Services</b>																				
<b>Subtask A: Administrative Record (AR)</b>																				
Establish, track, organize and manage the project's administrative record supporting the agency's decisions																				0 \$ -
Create and maintain an index and a database of documents contained within the AR																				0 \$ -
<b>Task 5: Public Involvement</b>																				
<b>Subtask A: Public Involvement Plan</b>																				
Update the public involvement plan and submit five copies to the Mobility Authority, TxDOT Austin District and TxDOT ENV for review and approval																				0 \$ -
<b>Subtask B: Stakeholder Engagement</b>																				
Update the mailing list																				0 \$ -
Provide content for inclusion on the Project Website																				0 \$ -
Assist with monitoring, responding to, and developing content vis-à-vis the project's E-Mail Hotline and Twitter Account; assist with one general information mailout																				0 \$ -
Develop up to two (2) e-newsletters for e-mail distribution to the project mailing list. Jacobs will develop an initial draft of text, GEC will manage review process, develop graphics, place content into newsletter layout and distribute.																				0 \$ -
Develop content for one (1) update of the Project Fact Sheet. Jacobs will develop an initial draft of text, GEC will manage review process, develop graphics, place content into fact sheet layout.			1																	1 \$ 138.39

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1																				
TASK DESCRIPTION	Sr.Project	Lead	Project	Permitted	Senior	Hydrogeologist	Geophysicist	Diver	Geology	Karst Invertebrate Specialist	Karst	Biology	GIS	Technical	Technician	Technician	Technician	Admin/	Total	Labor
	Manager	Diver	Manager	Scientist	Biologist				Technician	Specialist	Technician	Technician	Technician	Editor / Writer	III	II	I	Clerical	Hours	Cost
Negotiated Contract Rate	\$159.22	\$159.22	\$138.39	\$111.48	\$111.48	\$111.48	\$111.48	\$111.48	\$90.47	\$111.48	\$90.47	\$90.47	\$90.47	\$90.47	\$66.28	\$57.85	\$33.75	\$64.49		
Mail fact sheets to community members upon request																			0	\$ -
One (1) update of FAQs currently posted to the website, including responses, for approval by the Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA and posting on the project website. Assumes Jacobs will develop the initial draft update of the FAQs. GEC/CTRMA will manage review process and once approved post to website.																			0	\$ -
Develop and maintain a list of potential community members (neighborhood associations, special interest groups, business associations, etc.) to contact for informal meetings/discussions																			0	\$ -
Send project information to community groups and offer to meet with them; respond to requests from community members for meetings with project staff																			0	\$ -
Conduct up to two (2) meetings with community groups. Assumes attendance at a community sponsored event, not a separate meeting.																			0	\$ -
Assist with up to three (3) agency-to-agency meetings.	3		0																3	\$ 477.66
Coordinate with the Mobility Authority and TxDOT on meeting logistics																			0	\$ -
Maintain a complete correspondence file for the stakeholder meetings																			0	\$ -
Prepare a neighborhood meeting summary for each meeting																			0	\$ -
Coordinate and hold up to twenty (20) stakeholder interviews and meetings and prepare meeting summaries. The CTRMA will handle this effort, no hours are provided.	0		0																0	\$ -
<b>Subtask C: Public Hearing</b>																				
Secure the hearing location, date and time (includes securing a/v equipment, chairs/tables, podium, etc.)																			0	\$ -
Prepare and publish legal notice for the hearing. Assumes one 30-day notice in published in the Austin Statesman. Jacobs to supply text for display ads; design and layout by others.																			0	\$ -
Prepare and distribute meeting notices, including one (1) postcard invitation and (1) one e-mail notice to the general public and elected officials, and distribution to the contacts on project databases. Jacobs will develop an initial draft of text (e-mail notice and postcard), GEC will develop graphics and place content into postcard/email format, once approved Jacobs will use every door direct to distribute postcard. CTRMA/GEC will distribute email to general public and elected officials.																			0	\$ -
Prepare hearing handouts, agendas, name tags, sign-in sheets, speaker cards, comment cards, Power Point presentation with accompanying speech, one planview of the Preferred Alternative, four (4) typical sections of the Preferred Alternative and ten (10) exhibit boards, including two (2) rounds of revisions.																			0	\$ -
Provide a translator and audio/video equipment																			0	\$ -
Provide a court reporter																			0	\$ -
Compile and prepare responses to up to 125 comments (see B.2.B.) - Assumes two (2) rounds of revisions.	4		0	0															4	\$ 636.88
Arrange up to four (4) pre-meetings with the Mobility Authority and TxDOT to review all exhibits and other materials to be used at the Hearing																			0	\$ -
Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make presentations, and answer questions	4		0	0															4	\$ 636.88
Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.																			0	\$ -
<b>Total</b>	11	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	34
<b>Total</b>	\$ 1,751.42	\$ -	\$ 1,522.29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 773.88	\$ 4,047.59

Fee Schedule

Other Direct Expenses	Unit	Quantity	Rate	Total
4" X 6" Digital Color Print	picture		\$ 0.20	\$ -
Lodging/Hotel	day/person		\$ 130.00	\$ -
Lodging/Hotel Taxes/fees			\$ -	\$ -
Meals	day/person		\$ 71.00	\$ -
Mileage	mile		\$ 0.565	\$ -
Rental Car (Includes taxes and fees; Insurance costs will not)	day		\$ 50.00	\$ -
SUV or ATV Rental (Includes taxes and fees; Insurance costs)	day		\$ 100.00	\$ -
Lease Vehicle (Includes taxes and fees; Insurance costs will)	month		\$ 1,500.00	\$ -
Rental Car Fuel	per gallon		\$ 4.00	\$ -
Air Travel	Rd Trip/person		\$ 500.00	\$ -
Air Travel - In State - Short Notice (Coach)	Rd Trip/person		\$ 600.00	\$ -
Air Travel - In State - 2+ Wks Notice (Coach)	Rd Trip/person		\$ 350.00	\$ -
Parking	day		\$ 25.00	\$ -
Parking	week		\$ 100.00	\$ -
Toll Charges	each		\$ 2.00	\$ -
Taxi/Cab fare	each/person		\$ 50.00	\$ -
Telephone	month		\$ 150.00	\$ -
Postage	each		\$ 0.46	\$ -
Standard Postage	letter		\$ -	\$ -
Overnight Mail - letter size	each		\$ 15.00	\$ -
Overnight Mail - oversized box	each		\$ 50.00	\$ -
Overnight Mail - up to 2 lb package	each		\$ 75.00	\$ -
Courier Services	each		\$ 50.00	\$ -
Photocopies B/W (8 1/2" X 11")	each		\$ 0.10	\$ -
Photocopies B/W (11" X 17")	each		\$ 0.20	\$ -
Photocopies Color (8 1/2" X 11")	each		\$ 1.00	\$ -
Photocopies Color (11" X 17")	each		\$ 2.00	\$ -
Digital Ortho Plotting	sheet		\$ 18.00	\$ -
Blue-line Prints (24" X 36")	each		\$ 9.00	\$ -
Bond Paper Plot (Blue-line/Blackline)	linear foot		\$ 4.50	\$ -
Blue-line/Blackline Prints (8 1/2" X 11")	sheet		\$ 0.10	\$ -
Blue-line/Blackline Prints (11" X 17")	sheet		\$ 0.20	\$ -
Blue-line/Blackline Prints (22" X 34")	sheet		\$ 9.00	\$ -
Plots (B/W on Bond)	square foot		\$ 1.50	\$ -
Plots (Color on Bond)	square foot		\$ 3.00	\$ -
Plots (Color on Photographic Paper)	square foot		\$ 5.00	\$ -
Color Graphics on Foam Board	each		\$ 250.00	\$ -
Color Graphics on Foam Board	square foot		\$ 25.00	\$ -
Presentation Boards 30" X 40" Color Mounted	each		\$ 100.00	\$ -
Vellum Plot	linear foot		\$ 10.00	\$ -
Mylar Plot	square foot		\$ 12.00	\$ -
Mylars (Half Size)	each		\$ 6.00	\$ -
Mylars (Full Size)	each		\$ 12.50	\$ -
Mylar (8 1/2" X 11")	sheet		\$ 3.00	\$ -
Mylar (11" X 17")	sheet		\$ 6.00	\$ -
Mylar (22" X 34")	sheet		\$ 12.50	\$ -
Outside Printing - Reports	each		\$ 500.00	\$ -
Report Binding	each		\$ 6.00	\$ -
Notebooks	each		\$ 25.00	\$ -
Newsletter - print, production, mail	event		\$ 4,500.00	\$ -
Reproduction of CD/DVD	each		\$ 5.00	\$ -
CDs	each		\$ 5.00	\$ -
Film - 24 Exp Roll	roll		\$ 5.00	\$ -
Film Processing - 24 Exp Roll	roll		\$ 6.00	\$ -
4" X 6" Digital Color Print	picture		\$ 0.20	\$ -
Historical Aerial Images	unit		\$ 50.00	\$ -
Aerial Photographs (1" = 500' scale)	each		\$ 500.00	\$ -
Tx Parks & Wildlife Data Request Fees	each		\$ 250.00	\$ -
Hazardous Materials Database Search	per search		\$ 1,500.00	\$ -
Required Permit Fees	each		\$ 1,000.00	\$ -
Backhoe Rental	day		\$ 1,000.00	\$ -
GPS Receiver	day		\$ 100.00	\$ -
Environmental Field Supplies (athes, stakes,	day		\$ 100.00	\$ -
Curator (Drawer & TX Archaeological Research	per project		\$ 5,000.00	\$ -
Database Search (i.e. Texas Online Directory)	each		\$ 100.00	\$ -
Newspaper Advertisement	per publication		\$ 2,000.00	\$ -
Court Reporter	page		\$ 100.00	\$ -
Court Reporter (Public Hearings & Transcription)	day		\$ 1,000.00	\$ -
Law Enforcement/Uniform Officer	hour/officer		\$ 200.00	\$ -
Translator (English to Spanish) for Public	event		\$ 1,000.00	\$ -
Translator (English to Spanish or Sign Language)	hour		\$ 500.00	\$ -
Custodian for Public Involvement	hour/custodian		\$ 100.00	\$ -
Sound Technican for Public Involvement	event		\$ 1,000.00	\$ -
Material Production for Public Involvement (handouts,	event		\$ 1,500.00	\$ -
Public Involvement Facility Rental	event		\$ 3,000.00	\$ -
Audio - Visual Equipment Rental	event		\$ 2,000.00	\$ -
Audio - Equipment Rental	each		\$ 1,000.00	\$ -
Public Notices - Mass Mailing	500		\$ 1,500.00	\$ -
Desktop & Microcomputer w/Plotter	hour		\$ 125.00	\$ -
Microstation CADD System w/Plotter	hour		\$ 50.00	\$ -
Robotic Total Station	day		\$ 250.00	\$ -
Boat with Motor	day		\$ 500.00	\$ -
GPS RTK	hour		\$ 30.00	\$ -
GPS Static	hour		\$ 20.00	\$ -
Map Records	sheet		\$ 50.00	\$ -
Certified Deed Copies	sheet		\$ 25.00	\$ -
Deed Copies	sheet		\$ 3.00	\$ -
Aerial Film Scanning	per frame		\$ 17.50	\$ -
Aerial Turns	each		\$ 50.00	\$ -
Aerial Turns	mile		\$ 5.92	\$ -
Cross Country	mile		\$ 5.92	\$ -
Mobilization Fee	each		\$ 1,000.00	\$ -
Film	linear foot		\$ 20.00	\$ -
Photographs	mile		\$ 22.66	\$ -
Flight Line	mile		\$ 5.92	\$ -
Aerial Photography Mobilization Fee	Per Project		\$ 375.00	\$ -
Project Flight Miles (on project flight miles)	Per Mile		\$ 30.00	\$ -
Color Film Processing	Per Frame		\$ 48.50	\$ -
Digital Image processing/Film Scanning	Per Frame		\$ 28.35	\$ -
Taxonomy Expert	hour		\$ 212.00	\$ -
Dive gear rental per person	day		\$ 50.00	\$ -
Consumable field supplies	unit		\$ 700.00	\$ -
Downhole Camera Rental	day		\$ 250.00	\$ -
Photocopies (color) 8-1/2 X 11	each		\$ 0.45	\$ -
Certified Mail	unit		\$ 1.50	\$ -
Meeting supplies (cardstock, nametags, pens, etc.)	unit		\$ 300.00	\$ -
Refreshments	event		\$ 125.00	\$ -
			\$ -	\$ -
			\$ -	\$ -