

#### AGENDA ITEM #4 SUMMARY

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	Ray A. Wilkerson
CentralTexas Regional Mobility Authority	Chairman, Board of Directors
	Resolution Number 14
	Date Passed: <u>9/24/14</u>

#### **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:

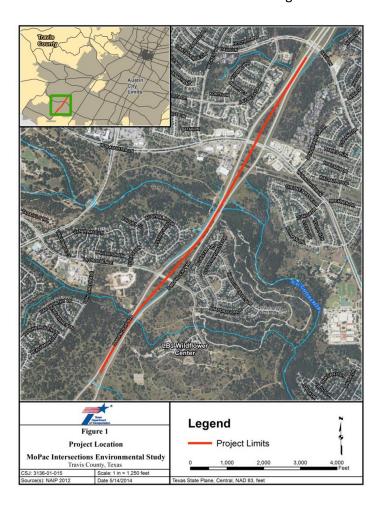
- 1. Authorize the Engineer in writing to proceed.
- 2. Render reviews, decisions and approvals as promptly as necessary to allow for the expeditious performance of the Services to be provided by the Engineer.
- 3. Provide timely reviews and decisions in response to the Engineer's request for information 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.
  - 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
- I. 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 Authorizat	tion #1	Co	ntract Maximu	n	Expended t	hrough Octob	er 24, 2014		alance Remaini of October 24, 2	•	Est	imate to Compl	ete	Notes
Firm	Description of Work	Labor	ODE	Total	Labor	ODE	Total	Labor	ODE	Total	Labor	ODE	Total	Items to Complete
	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 RJW	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
	Total	\$ 1,078,258	\$ 75,063	\$ 1,153,216	\$ 1,040,638	\$ 20,043	\$ 1,060,680	\$ 37,620	\$ 55,020	\$ 92,641	\$ 42,154	\$ 50,373	\$ 92,527	

Maximum \$ 1,153,216

Expended \$ 1,060,680

WA #1 Summary

Estimate to Complete \$ 92,527

Estimate at Complete \$ 1,153,208

<b>Supplemental W</b>	ork Authorization #1 Fee Estima	ate				Ad	ljusted SWA	#1 Fee Estima	te		
Firm	Description of Work	Labor	ODE	Total	Labor	ODE	Total	Percent of Total	DBE Total	Percent DBE	Notes
	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 RJW	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%	
	Total	\$ 241,502	\$ 18,180	\$ 259,682	\$ 180,990	\$ 10,681	\$ 191,671	100%	\$ 85,000	33%	



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
TASK DESCRIPTION																
II. Project Management and Administration																
A. Project Management and Administration  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 monthly progress reports and invoices (12)	18		6 \$		12			\$ 362		\$ 192.68		\$ -		\$ -	46 5	\$ 4,879
Task 3: Provide project correspondence	8		0 \$		0			\$ -		\$ -		\$ -		\$ -	8 5	
Task 4: Prepare monthly schedule updates (12)	36	5,297.95	0 \$	-	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	36 \$	\$ 5,298
B. Coordination	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 \$	<del>,</del> -
Develop agendas, action items and meeting minutes for all meetings	0	-	0 \$	-	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0 5	<b>&gt;</b> -
C. Quality Assurance/quality control (QA/QC) Provide Certification of QA/QC at deliverable milestones	0 18		0 \$		0	<u>'</u>		\$ - \$ -		\$ - \$ -		\$ - \$ -		\$ - \$ -	18 5	\$ 2,995
III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY	0	·	0 \$		0			\$ -		\$ -		\$ -		\$ -		
A. Route and Design Studies	0	-	0 \$	-	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
Task 1: Design Schematics	0	-	0 \$		0	\$ -	0	\$ -	0	\$ -		\$ -	0	\$ -		
Develop preliminary noise barrier design	19	2,570.25	0 \$	-	0	\$ -	0		0	\$ -	0	\$ -	0	\$ -	19 5	\$ 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 5	
Assess the feasibility of aesthetic treatments and collect sample cost estimates for various aesthetic treatments	7	1,027.73	né	_	0	\$ -	0	¢ -	0	ς .	0	\$ -		ς .	7 0	\$ 1,028
Identify limits of clearing and impacts associated with proposed barriers	7	1,063.93	0 \$	-	0	\$ -	0	\$ -	0	\$ -	0	\$ -	n	\$ -	7 0	\$ 1,064
Provide preliminary quantities and construction cost estimates for each proposed barrier	8		0 \$		0			\$ -		\$ -		\$ -		\$ -	8 \$	
Prepare typical details for aesthetic concept development	11		0 \$		0	\$ -		\$ -		\$ -		\$ -		\$ -	11 \$	\$ 1,577
Revise details for preferred aesthetic treatments and noise wall types	8	1,222.26	0 \$		0	\$ -		\$ -		\$ -		\$ -		\$ -	8 9	\$ 1,222
Develop preliminary noise wall layouts	25		0 \$		0	•		\$ -		\$ -		\$ -		\$ -	25 \$	\$ 3,074
B. Social, Economic and Environmental Studies and Public Involvement  Task 1: Project Scope for Environmental Review Document	0	-	0 \$		0	<u>'</u>		\$ - \$ -		\$ - \$ -		\$ - \$ -		\$ - \$ -		
Prepare Project Scope for Environmental Review document	0		0 \$		0			\$ -		\$ -		\$ -		\$ -	0 5	5 -
Conduct Workshop to finalize Project Scope for Environmental Review	0		n ė		0	ć	0	\$ -	0	ė	0	ė	0	\$ -	0.5	
Task 2: Environmental Document Preparation	0	-	0 \$	-	0	\$ -		\$ -	0	\$ -		\$ -		\$ -	0 3	-
Subtask A: Draft Environmental Assessment (EA)	0	-	0 \$		0	•		\$ -		\$ -		\$ -		\$ -		
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,			1 .													
FHWA, and Agency review	40	5,609.96	0 \$	-	0	\$ -	0	\$ - \$ -	0	\$ - \$ -	0	\$ - \$ -	0	\$ - \$ -	40 \$	\$ 5,610
Subtask B: Final EA Update the environmental document after the Public Hearing	72		2 \$		0	<u>'</u>		\$ 627		\$ 383.86		\$ -	2	\$ -	82 9	\$ 11,442
Prepare and list public hearing comments and responses	16		0 \$		0			\$ -		\$ -		\$ -	0	\$ -	16 5	
Submit the revised preliminary Final EA for Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA review					_								_			
	7 24	715.29	0 \$	360	0	\$ -		\$ -	0	\$ -	0	\$ -	0	\$ -	7 S	\$ 715 \$ 4,271
Revise the Final EA document to respond to Mobility Authority, TxDOT, FHWA, and Agency comments  Provide hard copies and CDs of the Final EA	5		0 \$		0			\$ 313		\$ 383.86		\$ -		\$ 277	52 5	\$ 4,271
Subtask C: FONSI/Final Approval	0		0 \$		0	<u>'</u>		\$ -		\$ -		\$ -		\$ -	J ,	403
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
Task 3: Noise Workshops	0	-	0 \$		0	<u>'</u>		\$ -		\$ -		\$ -		\$ -		
Conduct an initial internal workshop with the Mobility Authority, TxDOT, and the GEC	9	,	0 \$		12			\$ -		\$ -		\$ -		\$ -	21 5	
Conduct one (1) noise workshop  Develop talking points for noise workshops	6		0 \$		12 0			\$ - \$ -		\$ -		\$ - \$ -		\$ - \$ -	18 5	
Identify and document information to be communicated to the public (mailings, notices, advertising, etc.)	9	1,608.63	0 \$		10	•		\$ -		\$ -		\$ -		\$ -	19 5	
Develop workshop agenda	4	,	0 \$		0			\$ -		\$ -		\$ -		\$ -	4 5	
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, <del>perspective drawings</del> , voting information /																
ballots, handouts, PowerPoint presentation and fact sheet	40	6,423.22	0 \$	-	14	\$ 1,984.00		\$ -	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	\$ -		\$ -		\$ -		\$ -	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		205.64			_	ć 470.00	_	ć		ė	_	ć	_	<i>e</i>		450
30 days prior to the workshop  Conduct followup phone calls for property owners who have not responded for noise workshop	0		0 \$	-	4	\$ 170.00 \$ 340.00		\$ - \$ -	0	\$ -	0	\$ - \$ -		\$ - \$ -	4 5	\$ 456
Conduct followup phone calls for property owners who have not responded for holse workshop  Provide door-hangers on the adjacent properties	0		0 \$		0			\$ -		\$ -		\$ -		\$ -	0 9	
Notify other interested parties and local elected officials	2		0 \$		0			\$ -		\$ -		\$ -		\$ -	2 5	
Develop a draft summary of the results of the noise workshop process to document the outcome	10		0 \$		20	•		\$ -		\$ -		\$ -		\$ -	30 \$	
Provide final summary report of the noise workshop process	6	998.49	0 \$	-	0	\$ -		\$ -		\$ -	0	\$ -		\$ -	6 \$	
Task 4: Environmental Support Services	0	-	0 \$		0			\$ -		\$ -		\$ -		\$ -		
Subtask A: Administrative Record (AR)	0	-	0 \$	-	0	Ş -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
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

Subtotal Labor Cost	Percent
\$ 31,428	13%
\$ 15,293	6%
<b>β</b> 13,233	070
\$ -	0.00%
\$ 49,914	21%
\$ 28,231	12%
\$ 10,460	4%
\$ 10,460	4%
\$ 10,460	4%
\$ 10,460	4%



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
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
Task 5: Public Involvement	0 \$	-	0 \$	-	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -		
Subtask A: Public Involvement Plan	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 \$	-		\$ 685.00		\$ -	0	\$ -	0	\$ -		\$ -	7	\$ 1,041
Subtask B: Stakeholder Engagement	0 \$	-	0 \$	-		\$ - \$ 1,644.00		\$ -		\$ -	0			\$ -	12	\$ 1,644
Update the mailing list Provide content for inclusion on the Project Website	0 \$	499.24	0 \$	-	12	\$ 1,644.00		\$ - \$ -		\$ -	0			\$ - \$ -	12	\$ 1,644
Assist with monitoring, responding to, and developing content vis-à-vis the project's E-Mail Hotline and Twitter-	3 3	455.24	0 3	_	0	· -	U	· -	0	٠ -	U	<del>,</del>	0	٠ -	3	3 499
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	6 6	955.10	0 ¢		4	\$ 548.00	0	ė		ė		ć	1	ć 130	11	¢ 1.641
manage review process, develop graphics, place content into fact sheet layout.  Mail fact sheets to community members upon request	0 \$	333.10	0 \$	-	0	\$ 546.00	_	\$ - \$ -	0	\$ -	0	\$ - \$ -		\$ 138 \$ -	11	\$ 1,641 \$ -
intal fact sheets to community members upon request	0 3		0 5		0	, -	0	· -	· ·	,	0	<del>y</del> -		7	· ·	<del>y</del>
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 6		0 6			¢	-	\$ -	0	ė	0	<u> </u>		\$ -	0	,
Send project information to community groups and offer to meet with them; respond to requests from community-	0 \$	-	0 \$	-	U	- ب	U	· -	1	-	U	<del>,</del> -	"	- ب	U	· -
members for meetings with project staff	0 \$	_	n s	_	n	\$ -	n	\$ -	0	ś -	n	\$ -	n	\$ -	n	<u> </u>
Conduct up to two (2) meetings with community groups. Assumes attendance at a community sponsored event, not	20 ¢	2.544.40	0 \$		12	¢ 4.644.00		•		4 000 22	0	,	0		46	<u> </u>
a separate meeting.	28 \$ 18 \$	3,511.18 3,064.09	3 \$	540	12	\$ 1,644.00 \$ -		\$ - \$ 470	b	\$ 1,009.32	0	<del>\$</del> -	0	\$ 478	27	\$ 6,165 \$ 4,552
Assist with up to three (3) agency-to-agency meetings.  Coordinate with the Mobility Authority and TXDOT on meeting logistics	0 \$	3,064.09	0 \$	-		\$ -		\$ 470		\$ -	0			\$ 478	0	
Maintain a complete correspondence file for the stakeholder meetings	0 \$		0 \$			\$ -		\$ -		\$ -	0			\$ -	0	\$ -
Prepare a neighborhood meeting summary for each meeting	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	\$ -
Subtask C: Public Hearing	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	2 7	,	2 2			\$ 85.00	_	•	1	ć			_	ć	1	6 05
Provide a court reporter	0 \$	-	0 \$	-	1	\$ 85.00	0	\$ - \$ -	0	\$ -	0	\$ - \$ -	0	\$ - \$ -	1	\$ 85
	, , ,						Ü	T		<del>-</del>		<del>T</del>		7	-	
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			\$ -	3	\$ 582.54	3	\$ 630		\$ 637	103	
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		0	\$ -	0	\$ -	0	\$ -		\$ -	85	\$ 11,222
Labor Total	1,152 \$	161,224	33 \$	5,940	421		37	\$ 5,468	43	\$ 5,856	29	\$ 5,019	34	·	1,749	241,502
Labor Total	-,-52 Y		33 7	5,5 10	,21	7 33,3 10	3,	- 3,100	+ + 5	7 3,030		- 3,013	1	- 1,010	-,, 13	1,502
Other Direct Expenses Total	\$	2,500	\$	-		\$ 15,680		\$ -		\$ -		\$ -		\$ -		\$ 18,180
								1				<b>.</b>		1		4 4
TOTAL	\$	163,724	\$	5,940		\$ 69,628		\$ 5,468		\$ 5,856		\$ 5,019		\$ 4,048		\$ 259,682

Subtotal Labor Cost	Percent
\$ 106,176	44%
\$ 241,502	100%
\$ 18,180	
\$ 259,682	



MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1  TASK DESCRIPTION  Negotiated Raw Labor Rate Over Term of Contract (30 months)																		
				Project Engineer/Asst.			Senior Engineer		Senior CADD		Senior Env Scientist	Env Scientist /			CIC	Admin / Clerical /		
Negotiated Raw Labor Rate Over Term of Contract (30 months)	Principal	Project Manager	Senior Engineer	PM	Design Engineer	EIT	Tech	Engineer Tech	Operator	CADD Operator	/ Planner	Planner	Jr. Env.Sci. / Planner		GIS	Project Controls	Total Hours	Labor Cost
	\$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		
II. Project Management and Administration  A. Project Management and Administration																		
Task 1: Provide monthly progress reports and invoices (12)		12														24	36	\$ 5,297.9
Task 2: Provide record keeping and file management		0		6												12	18	, ,
Task 3: Provide project correspondence		0		2												6	8	\$ 969.3
Task 4: Prepare monthly schedule updates (12)		12														24	36	\$ 5,297.9
B. Coordination																		
Schedule, attend and conduct Agency Coordination with CTRMA, TxDOT and FHWA (24 meetings			0	0													0	ć
assumed) Develop agendas, action items and meeting minutes for all meetings		0	U	0							1						0	\$ -
C. Quality Assurance/quality control (QA/QC)		Ů															Ü	_
Provide Certification of QA/QC at deliverable milestones		6		12												0	18	\$ 2,995.4
III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY																		
A. Route and Design Studies																		
Task 1: Design Schematics			-		-	_			_									
Develop preliminary noise barrier design		1	4	5	3	3			3								19	\$ 2,570.2
Assess the feasibility of each proposed location and recommend a construction type most appropriate for each site		1	4	Q													13	\$ 2,037.0
Identify issues associated with proposed barriers and drainage constraints		1	3	3	2				2								11	
Assess the feasibility of aesthetic treatments and collect sample cost estimates for various		<u> </u>	3		<u> </u>	-				İ			İ					
aesthetic treatments		1	3			3											7	\$ 1,027.7
Identify limits of clearing and impacts associated with proposed barriers		1	3		3												7	
Provide preliminary quantities and construction cost estimates for each proposed barrier		1	3			4											8	
Prepare typical details for aesthetic concept development		1	3	3			<del>                                     </del>		4	1			1				11	\$ 1,577.4 \$ 1,222.2
Revise details for preferred aesthetic treatments and noise wall types  Develop preliminary noise wall layouts		1	3		Q				12		1						25	
B. Social, Economic and Environmental Studies and Public Involvement		-	4		8				12								23	3,074.3
Task 1: Project Scope for Environmental Review Document																		
Prepare Project Scope for Environmental Review document		0		0								0					0	\$ -
Conduct Workshop to finalize Project Scope for Environmental Review		0		0													0	\$ -
Task 2: Environmental Document Preparation																		
Subtask A: Draft Environmental Assessment (EA)		24		40							42	40					424	Ć 40.205 (
Prepare the draft EA for the project		24		40							12	40	8				124	\$ 18,385.8
Schedule and attend an environmental document review meeting with the Mobility Authority		2		2								2					6	\$ 934.6
Revise the EA, addressing comments obtained from the Mobility Authority, TxDOT Austin		_															Ü	<del>y</del> 331.0
District, TxDOT ENV, FHWA, and Agency review		4		12							4	20					40	\$ 5,609.9
Subtask B: Final EA																		
Update the environmental document after the Public Hearing		4		20							8	40					72	
Prepare and list public hearing comments and responses		0	0	2							2	8	4				16	\$ 1,904.4
Submit the revised preliminary Final EA for Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA review		0		1								2	2				7	\$ 715.2
Revise the Final EA document to respond to Mobility Authority, TxDOT, FHWA, and Agency		-											,				,	<del>y</del> 713.2
comments		2		4							2	8	8				24	\$ 2,936.9
Provide hard copies and CDs of the Final EA				1									4				5	\$ 462.5
Subtask C: FONSI/Final Approval																		
Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of																		
revisions)		4		12								24	12				52	\$ 6,188.9
Task 3: Noise Workshops  Conduct an initial internal workshop with the Mobility Authority, TxDOT, and the GEC		1	2	1		4					1			1			0	\$ 1.518.9
Conduct an initial internal workshop with the Mobility Authority, 1xb01, and the GEC		2	2	2		1				<del> </del>	1 2		+	1			6	, ,, ,,
Develop talking points for noise workshops		1		1			†			1	2		1				4	
Identify and document information to be communicated to the public (mailings, notices,																	-	
advertising, etc.)		1		4						ļ	4		ļ				9	\$ 1,608.6
Develop workshop agenda		2		2						ļ			ļ				4	\$ 712.8
Develop exhibits for noise workshops including aerial maps with barrier locations and property										1			1					
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	\$ 6,423.2
Identify and propose for approval locations for the four (4) workshops			·	2													2	
Prepare a draft noise workshop notification packet for review and approval				2													2	\$ 285.6
Send noise workshop notification packets via certified mail, return receipt requested, to adjacent																		
property owners 30 days prior to the workshop				2													2	\$ 285.6
Conduct followup phone calls for property owners who have not responded for noise workshop																		
							+			+			+				0	\$ -
Provide door hangers on the adjacent properties  Notify other interested parties and local elected officials		+		2			<del> </del>			<del> </del>			<del> </del>				2	\$ 285.6
Develop a draft summary of the results of the noise workshop process to document the							1			1			1				2	<u>γ</u> 203.
outcome		2		8													10	\$ 1,569.
Provide final summary report of the noise workshop process		2		4													6	\$ 998.
Task 4: Environmental Support Services																		
Subtask A: Administrative Record (AR)																		
Establish, track, organize and manage the project's administrative record supporting the		_															40	ć F333
agency's decisions  Create and maintain an index and a database of documents contained within the AR		4		12			1			1	1	24	1			+	40 40	

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Т		I	1	Decinal English (A. )	1		Senior Engineer	1	Senior CADD	I	Senior Env Scientist	Env Scientist /	I	1		Admin / Clerical /		
ASK DESCRIPTION	Principal	Project Manager	Senior Engineer	Project Engineer/Asst. PM	Design Engineer	EIT	Tech	Engineer Tech	Operator	CADD Operator	/ Planner	Planner	Jr. Env.Sci. / Planner	Sr. GIS / Manager	GIS	Project Controls	Total Hours	Labor Cos
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	Total Hours	Labor Cos
sk 5: Public Involvement	\$100.00	Ş03.32	\$00.15	Ş57.10	Ş+3.33	Ş40.50	Ş47.73	Ş32.00	Ş42.51	Ş41.0 <u>2</u>	Ş02.43	Ş++.+0	\$32.00	Ş03.47	ψ31.71	Ş+3.02		
btask A: Public Involvement																		
pdate the public involvement plan and submit five copies to the Mobility Authority, TxDOT ustin District and TxDOT ENV for review and approval		1		1													2	\$ 3
		1															2	\$ 5
ubtask B: Stakeholder Engagement																	0	ċ
pdate the mailing list rovide content for inclusion on the Project Website		1		7	1												2	\$ 4
		-			1		'										3	٠, د
ssist with monitoring, responding to, and developing content vis à-vis the project's E-Mail- lotline and Twitter Account; assist with one general information mailout			0	c													0	¢
Develop up to two (2) e-newsletters for e-mail distribution to the project mailing list. Jacobs will		,			<u> </u>													ý.
levelop an initial draft of text, GEC will manage review process, develop graphics, place content																		
nto newsletter layout and distribute.		1	1	Δ	1												6	\$ 9
·		-	-		•													,
Develop content for one (1) update of the Project Fact Sheet. Jacobs will develop an initial draft																		
f text, GEC will manage review process, develop graphics, place content into fact sheet layout.		1	1	,	1												6	\$
Aail fact sheets to community members upon request		-	1		•												0	, ,
One (1) update of FAQs currently posted to the website, including responses, for approval by the		1	<del>                                     </del>				+				<del>                                     </del>			<del>                                     </del>		1		
Mobility Authority, TxDOT Austin District, TxDOT ENV and FHWA and posting on the project																1		
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	\$
		-	-	-	-													Ů,
Develop and maintain a list of potential community members (neighborhood associations,																		
special interest groups, business associations, etc.) to contact for informal meetings/discussions																	0	Ś
Send project information to community groups and offer to meet with them; respond to																		<b>y</b>
requests from community members for meetings with project staff				C	)								0				0	\$
Conduct up to two (2) meetings with community groups. Assumes attendance at a community spor	sored event not a	4	. 4		5								14				28	\$ 3.5
Assist with up to three (3) agency-to-agency meetings.	isorca event, not a	6	6	3	3							3	17				18	
Coordinate with the Mobility Authority and TXDOT on meeting logistics																	0	\$
Maintain a complete correspondence file for the stakeholder meetings																	0	Ś
Prepare a neighborhood meeting summary for each meeting																	0	Ś
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	C													0	Ś
Subtask C: Public Hearing																		
secure the hearing location, date and time (includes securing a/v equipment, chairs/tables,																		
oodium, etc.)																	0	Ś
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	3												4	\$ 6
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	2								0				4	\$ 7
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,																		
our (4) typical sections of the Preferred Alternative and ten (10) exhibit boards, including two																		
2) rounds of revisions.		15	15	30	)							20	40				120	\$ 15,4
Provide a translator and audio/video equipment																	0	\$
rovide a court reporter																	0	\$
compile and prepare responses to up to 125 comments (see B.2.B.) - Assumes two (2) rounds of																		
evisions.		6	6	12	2						6	15	15				60	\$ 8,
arrange up to four (4) pre-meetings with the Mobility Authority and TxDOT to review all exhibits																		
nd other materials to be used at the Hearing		6		8	3												14	\$ 2,
rovide personnel to staff the Public Hearing, including three (3) public involvement and																		
oordination staff to perform registration, make presentations, and answer questions				a	10		.l					0					72	\$ 9,
		† · · · · ·	8		16		1	1		<b>†</b>	+	8	8	8		+	72	9,6
Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority.		.			,							40					64	\$ 8,
Assumes two (2) rounds of revisions.		161	82	289	22	40	<del>                                     </del>	-	21		64	40	116				1152	
Total	<u> </u>	, 101	02			19	(	0	5:	0	07	279		\$ 1,426.77	<u>, , , , , , , , , , , , , , , , , , , </u>	\$ 7,520.41		
Total S	-	\$ 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	<b>&gt;</b> -	ر /,520.41		\$ 161,2



Other Direct Expenses	Unit	Quantity		Rate		Total
4" X 6" Digital Color Print	picture		\$	0.20	\$	
Lodging/Hotel Lodging/Hotel Taxes/fees	day/person		\$	130.00	\$	
Meals	day/person		\$	30.00	\$	
Mileage	mile		\$	0.57 50.00	\$	
Rental Car (Includes taxes and fees; Insurance costs will not be SUV or ATV Rental (Includes taxes and fees; Insurance costs w	day		\$	100.00	\$	
Lease Vehicle (Includes taxes and fees; Insurance costs will no	month		\$	1,500.00	\$	
Rental Car Fuel Air Travel - In State - Short Notice (Coach)	per gallon Rd Trip/person		\$	4.00 600.00	\$	
Air Travel - In State - 2+ Wks Notice (Coach)	Rd Trip/person		\$	350.00 25.00	\$	
Parking Parking	day week		\$	100.00	\$	
Toll Charges	each		\$	2.00	\$	
Taxi/Cab fare Telephone	each/person month		\$	150.00	\$	
Postage	each		\$	0.46	\$	
Standard Postage Overnight Mail - letter size	letter each		s	15.00	\$	
Overnight Mail - oversized box	each		\$	50.00	\$	
Overnight Mail - up to 2 lb package Courier Services	each each		\$	75.00 50.00	\$	
Photocopies B/W (8 1/2" X 11")	each		\$	0.10	\$	
Photocopies B/W (11" X 17") Photocopies Color (8 1/2" X 11")	each each		\$	0.20 1.00	\$	
Photocopies Color (11" X 17")	each		\$	2.00	\$	
Digital Ortho Plotting	sheet		\$	18.00	\$	
Blueline Prints (24" X 36") Bond Paper Plot (Blueline/Blackline)	each linear foot		\$	9.00 4.50	\$	
Blueline/Blackline Prints (8 1/2" X 11")	sheet		\$	0.10	\$	
Blueline/Blackline Prints (11" X 17") Blueline/Blackline Prints (22" X 34")	sheet sheet		\$	9.00	\$	
Plots (B/W on Bond)	square foot		\$	1.50	\$	
Plots (Color on Bond) Plots (Color on Photgraphic Paper)	square foot square foot		\$	3.00 5.00	\$	
Color Graphics on Foam Board	each	10	\$	250.00	\$	2,500
Color Graphics on Foam Board Presentation Boards 30" X 40" Color Mounted	square foot each	-	\$	25.00 100.00	\$	
Vellum Plot	linear foot		\$	10.00	\$	
Mylar Plot Mylars (Half Size)	square foot each	-	\$	12.00 6.00	\$	
Mylars (Hair Size) Mylars (Full Size)	each		\$	12.50	\$	
Mylar (8 1/2" X 11")	sheet		\$	3.00	\$	
Mylar (11" X 17") Mylar (22" X 34")	sheet sheet		\$	6.00 12.50	\$	
Outside Printing - Reports	each		\$	500.00	\$	
Report Binding Notebooks	each each		\$	6.00 25.00	\$	
Newsletter - print, production, env (approx 40000 /event)	event		\$	15,000.00	\$	
Reproduction of CD/DVD CDs	each each		\$	5.00	\$	
Film - 24 Exp Roll	roll		\$	5.00	\$	
Required Permit Fees Backhoe Rental	each		\$	1,000.00	\$	
GPS Receiver	day day		\$	100.00	\$	
Environmental Field Supplies (lathes, stakes,			١.			
flagging, spray paint, etc.) Curator (Drawer & TX Archaelogical Research	day		\$	100.00	\$	
Lab for artifacts & report	per project		\$	5,000.00	\$	
Database Search (i.e. Texas Online Directory)	each		\$	100.00	\$	
Newspaper Advertisement Court Reporter	per publication page		\$	2,000.00 100.00	\$	
Court Reporter (Public Hearings & Transcription)	day		\$	1,000.00	\$	
Law Enforcement/Uniform Officer Translator (English to Spanish) for Public	hour/officer		\$	200.00	\$	
Involvement	event		\$	1,000.00	\$	
Translator (English to Spanish or Sign Language)	hour		\$	500.00	\$	
Custodian for Public Involvement Sound Technican for Public Involvement	hour/custodian event		\$	1,000.00	\$	
Material Production for Public Involvement (handouts,	0.0		Ť	2,000.00	-	
exhibits, ect)	event		\$	1,500.00	\$	
Public Meeting/Hearing Facility Rental (See GS RJW ODE)  Audio - Visual Equipment Rental	event event		s	2,000.00	S	
Audio - Equipment Rental	each		\$	1,000.00	\$	
Public Notices - Mass Mailing Desktop & Microcomputer w/Plotter	500 hour		\$	1,500.00 125.00	\$	
Microstation CADD System w/Plotter	hour		\$	50.00	\$	
Robotic Total Station	day		\$	250.00	\$	
Boat with Motor GPS RTK	day		\$	500.00 30.00	\$	
GPS Static	hour		\$	20.00	\$	
Traffic Control Barricade Truck for Survey Crew Map Records	day sheet		\$	1,500.00 50.00	\$	
Map Records Certified Deed Copies	sheet		\$	25.00	\$	
Deed Copies	sheet		\$	3.00 17.50	\$	
Aerial Film Scanning Aerial Turns	per frame each		\$	17.50 50.00	\$	
Aerial Turns	mile		\$	5.92	\$	
Cross Country	mile		\$	5.92	\$	
Mobilization Fee	each linear foot		\$	1,000.00 20.00	\$	
Photographs	mile		\$	22.66	\$	
light Line Aerial Photography Mobilization Fee	mile Per Project		\$	5.92 375.00	\$	
Project Flight Miles (on project flight miles)	Per Project Per Mile		\$	30.00	\$	
Color Film Processing	Per Frame		\$	48.50	\$	
Digital Image processing/Film Scanning Mailing List (aquire)	Per Frame unit		\$	28.35 800.00	\$	
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) Taxonomy Expert	event hour		\$	515.00 212.00	\$	
Dive gear rental per person	day		\$	50.00	\$	
Consumable field supplies	unit		\$	700.00	\$	
Downhole Camera Rental Photocopies (color) 8-1/2 X 11	day each		\$	250.00 0.45	\$	
Certified Mail	unit		\$	1.50	\$	
			1 6	200.00		
Meeting supplies (cardstock,nametags,pens, etc.) Refreshments	unit event		\$	300.00 125.00	\$	

6

Barrett Fee Schedule

#### MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1

TASK DESCRIPTION			
	Principal	Total Hours	Labor Cost
Negotiated Contract Rate	\$180.00		
II. Project Management and Administration			
A. Project Management and Administration			
Task 1: Provide monthly progress reports and invoices (12)	12	12	\$ 2,160.00
Task 2: Provide record keeping and file management	6	6	
Task 3: Provide project correspondence	0	0	
Task 4: Prepare monthly schedule updates (12)	0	0	\$ -
B. Coordination	_		
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	\$ -
C. Quality Assurance/quality control (QA/QC)	0	0	ć
Provide Certification of QA/QC at deliverable milestones  III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY	U	U	\$ -
A. Route and Design Studies Tack 1. Design Schamatics			
Task 1: Design Schematics Develop preliminary noise barrier design	0	0	\$ -
Develop preliminary noise partier design	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. Social, Economic and Environmental Studies and Public Involvement			
Task 1: Project Scope for Environmental Review Document			
Prepare Project Scope for Environmental Review document	0	0	\$ -
Conduct Workshop to finalize Project Scope for Environmental Review	0	0	\$ -
Task 2: Environmental Document Preparation			
Subtask A: Draft Environmental Assessment (EA)			
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	\$ -
Subtask B: Final EA			4
Update the environmental document after the Public Hearing	2	2	
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	0	0	ć
review	2	2	•
Revise the Final EA document to respond to Mobility Authority, TxDOT, FHWA, and Agency comments  Provide hard copies and CDs of the Final EA	0		\$ 500.00
Subtask C: FONSI/Final Approval	U		-
Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)	0	0	\$ -
Task 3: Noise Workshops	U		y .
Conduct an initial internal workshop with the Mobility Authority, TxDOT, and the GEC	0	0	\$ -
Conduct one (1) noise workshop	0		\$ -
Develop talking points for noise workshops	0	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	0	\$ -
	0		\$ -
Identify and propose for approval locations for the four (4) workshops	0	0	\$ -
Identify and propose for approval locations for the four (4) workshops Prepare a draft noise workshop notification packet for review and approval			
			\$ -
Prepare a draft noise workshop notification packet for review and approval	0	0	
Prepare a draft noise workshop notification packet for review and approval Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners	0		\$ -
Prepare a draft noise workshop notification packet for review and approval  Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30 days prior to the workshop		0	\$ - \$ -
Prepare a draft noise workshop notification packet for review and approval  Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30 days prior to the workshop  Conduct followup phone calls for property owners who have not responded for noise workshop	0 0	0 0 0	\$ -
Prepare a draft noise workshop notification packet for review and approval  Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30 days prior to the workshop  Conduct followup phone calls for property owners who have not responded for noise workshop  Provide door hangers on the adjacent properties	0 0 0	0 0 0	\$ - \$ - \$
Prepare a draft noise workshop notification packet for review and approval  Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30 days prior to the workshop  Conduct followup phone calls for property owners who have not responded for noise workshop  Provide door hangers on the adjacent properties  Notify other interested parties and local elected officials  Develop a draft summary of the results of the noise workshop process to document the outcome  Provide final summary report of the noise workshop process	0 0	0 0 0	\$ -
Prepare a draft noise workshop notification packet for review and approval  Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30 days prior to the workshop  Conduct followup phone calls for property owners who have not responded for noise workshop  Provide door hangers on the adjacent properties  Notify other interested parties and local elected officials  Develop a draft summary of the results of the noise workshop process to document the outcome	0 0 0	0 0 0	\$ - \$ - \$

Barrett Fee Schedule

#### MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1

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	\$ -
Task 5: Public Involvement			
Subtask A: Public Involvement Plan			
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	\$ -
Subtask B: Stakeholder Engagement			
Update the mailing list	0	0	\$ -
Provide content for inclusion on the Project Website	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	\$ -
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	\$ -
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.	1	1	\$ 180.00
Develop and maintain a list of potential community members (neighborhood associations, special interest groups,			γ 100.00
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		0	7
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, no	0	0	
Assist with up to three (3) agency-to-agency meetings.	3		\$ 540.00
Coordinate with the Mobility Authority and TXDOT on meeting logistics	0	0	
Maintain a complete correspondence file for the stakeholder meetings	0	0	
Prepare a neighborhood meeting summary for each meeting	0	0	
Coordinate and hold up to twenty (20) stakeholder interviews and meetings and prepare meeting summaries. The		0	7
CTRMA will handle this effort, no hours are provided.	0	0	\$ -
Subtask C: Public Hearing	U	U	-
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.	0	U	7
	0	0	\$ -
Jacobs to supply text for display ads; design and layout by others.  Prepare and distribute meeting notices, including one (1) postcard invitation and (1) one e-mail notice to the	0	0	7
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			
	0	0	\$ -
to general public and elected officials. Prepare hearing handouts, agendas, name tags, sign-in sheets, speaker cards, comment cards, Power Point	U	U	ş -
presentation with accompanying speech, one planview of the Preferred Alternative, four (4) typical sections of the			
			<u> </u>
Preferred Alternative and ten (10) exhibit boards, including two (2) rounds of revisions.	0	0	A
Provide a translator and audio/video equipment  Provide a court reporter	0		\$ -
Provide a court reporter  Compile and prepare responses to up to 125 comments (see B.2.B.) - Assumes two (2) rounds of revisions.	4	4	\$ - \$ 720.00
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4	4	\$ 720.00
Arrange up to four (4) pre-meetings with the Mobility Authority and TxDOT to review all exhibits and other	_	_	ć
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	•
Total		33	
Total	\$ 5,940.00		\$ 5,940.00

Barrett 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 50.00	\$	
Rental Car (Includes taxes and fees; Insurance costs will not be SUV or ATV Rental (Includes taxes and fees; Insurance costs	day	0	\$	100.00	\$	
Lease Vehicle (Includes taxes and fees; Insurance costs will	day month	0	\$	1,500.00	Ś	
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 2.00	\$	-
Toll Charges Taxi/Cab fare	each each/person	0	\$	50.00	\$	-
Telephone	month	0	\$	150.00	Ś	
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 Photgraphic 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 Newsletter - print, production, mail	each event	0	\$	25.00 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,			_	400.00		
flagging, spray paint, etc.)	day	0	\$	100.00	\$	-
Curator (Drawer & TX Archaelogical Research Lab for artifacts & report	nor project	0	٠,	E 000 00	٠	
Database Search (i.e. Texas Online Directory)	per project each	0	\$	5,000.00	\$	
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	nodi/onicci	Ü	Ÿ	200.00	7	
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 Facilty Rental	event	0	\$	3,000.00	\$	
Audio - Visual Equipment Rental	event	0	\$	2,000.00	\$	-
Audio - Equipment Rental	each 500	0	\$	1,000.00	\$	-
Public Notices - Mass Mailing Desktop & Microcomputer w/Plotter	hour	0	\$	1,500.00 125.00	\$	-
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 Consumable field supplies	day unit		\$	50.00 700.00	\$	-
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	\$	-
•					\$	

9

Group Solutions RJW Fee Schedule

#### MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1

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		
II. Project Management and Administration						
A. Project Management and Administration						
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. Coordination						
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					0	\$ -
C. Quality Assurance/quality control (QA/QC)						
Provide Certification of QA/QC at deliverable milestones					0	\$ -
III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY						
A. Route and Design Studies						
Task 1: Design Schematics						
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						\$ -
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. Social, Economic and Environmental Studies and Public Involvement						
Task 1: Project Scope for Environmental Review Document						
Prepare Project Scope for Environmental Review document					0	\$ -
Conduct Workshop to finalize Project Scope for Environmental Review					0	\$ -
Task 2: Environmental Document Preparation						
Subtask A: Draft Environmental Assessment (EA)						
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,	1					
and Agency review					0	\$ -
Subtask B: Final EA						
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	<u>'</u>
Provide hard copies and CDs of the Final EA					0	•
Subtask C: FONSI/Final Approval						*
Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)					0	\$ -
Task 3: Noise Workshops					-	•
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	
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	10	
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, <del>perspective drawings</del> , voting information / ballots,	1					
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	
Prepare a draft noise workshop notification packet for review and approval	1	4		8	12	
Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30						
days prior to the workshop	1			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	•
Provide final summary report of the noise workshop process						\$ -
Task 4: Environmental Support Services						
Subtask A: Administrative Record (AR)						

Group Solutions RJW Fee Schedule

#### MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1					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  Task 5: Public Involvement					U	· -
Subtask A: Public Involvement Plan						
Update the public involvement plan and submit five copies to the Mobility Authority, TxDOT Austin District and TxDOT	0	5	0		_	\$ 685.00
ENV for review and approval	U	5	U		3	\$ 685.00
Subtask B: Stakeholder Engagement		42		0	42	ć 1.644.00
Update the mailing list		12		0		
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	\$ -
(a) and the of FAC annual to the state of th						
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-			-		-	T
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 se	0	12	0			
Assist with up to three (3) agency-to-agency meetings.		12				\$ -
Coordinate with the Mobility Authority and TXDOT on meeting logistics						\$ -
Maintain a complete correspondence file for the stakeholder meetings						\$ -
Prepare a neighborhood meeting summary for each meeting						\$ -
					0	Y
Coordinate and hold up to twenty (20) stakeholder interviews and meetings and prepare meeting summaries. The	0	0	0		_	\$ -
CTRMA will handle this effort, no hours are provided.	U	U	U		U	÷ -
Subtask C: Public Hearing  Secure the hearing legation date and time (includes securing a /u equipment, chairs /tables, nodium, etc.)	6	12	0	6	24	ć 2.174.00
Secure the hearing location, date and time (includes securing a/v equipment, chairs/tables, podium, etc.)	В	12	U	0	24	\$ 3,174.00
Prepare and publish legal notice for the hearing. Assumes one 30-day notice in published in the Austin Statesman.		40			40	ć 2.466.00
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	•
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
		15		i i		- 2,701.00
Total	67	229	16	109	421	\$ 53,948.00
Total					721	\$ 53,948.00
lotai	11,550.00	1,5/5.00 ب	1,520.00	9,205.00		35,546.00 ب

Group Solutions RJW Fee Schedule

Translator (English to Spanish or Sign Language)	Other Direct Expenses	Unit	Quantity	Rate		Total
Social Content Content   Security   Securi						
Seatestable   Seatestable						-
Maretane		day/person		\$130.00	\$	
Section   Comment   Comm	Meals					-
Lane Withols Brindshet James and Ren Primary Costs will not be entirely and process of the Cost of t						
Search Car July   Search   S	SUV or ATV Rental (Includes taxes and fees; Insurance costs will not be	day				-
All Transperson   Section   Sectio						
All Transfer   1580   2 M/s before (Gazell)   All Transfer   1580   2 M/s	Air Travel					-
Parting				\$350.00		<del></del>
Find Charges	Parking	day				-
Tan/Cast bire				\$100.00		
Postage/Polivery	Taxi/Cab fare	each/person			\$	-
Sandard Prototoge   Committed Human   Committe	Telephone Postage/Delivery					-
Demonstrated Section	Standard Postage	letter	0	\$4.00	\$	-
Commapt Mail: 1912   Bipackage   each   \$75,000   \$   \$   \$   \$   \$   \$   \$   \$   \$	Overnight Mail - Deter size					
Protocopies NW 16 12" x 11"						
Photocogne INV (11" X 17")			1100			220.00
Photocopies Color (11" x 17")	Photocopies B/W (11" X 17")		1100			220.00
Special Control Porting   Special Control	Photocopies Color (8 1/2" X 11")		375			150.00
Bilderine Prints (24" X 96")						
Balesine Miscaline Protest B 127 x 117	Blueline Prints (24" X 36")	each		\$9.00	\$	-
Billed   B	Bond Paper Plot (Blueline/Blackline)  Blueline/Blackline Prints (8 1/2" X 11")					-
Bellein Bille Action   Perits (127 x 34")   sheet	Blueline/Blackline Prints (11" X 17")			\$0.20		
PREST (CORD on Blood)	Blueline/Blackline Prints (22" X 34")			\$9.00	\$	
Piest   Color or Photographic Paper						
Color Graphics on Foam Board	Plots (Color on Photgraphic Paper)	square foot		\$5.00	\$	-
Presentation Boards 30" x 0" Color Mounted	Color Graphics on Foam Board	each				-
Mydar Pict	Presentation Boards 30" X 40" Color Mounted				\$	
Mylars (Full Size)						-
Maylar (B 1/2 × 13 m)   Med					<del></del>	
Mylar (12" X 37")   sheet	Mylars (Full Size)	each		\$12.50		
Major   12   13   15   15   15   15   15   15   15	Mylar (8 1/2" X 11") Mylar (11" X 17")					-
Report Binding	Mylar (22" X 34")	sheet		\$12.50	\$	-
Neebelooks	Outside Printing - Reports Report Rinding					
Other printing, production (handouts, door hangers, notifications, signage)	Notebooks			\$25.00		
Cos	Newsletter - print, production, mail		4		*	2 000 00
Fini Processing - 24 Exp Roll	CDs Cher printing, production (nandouts, door nangers, notifications, signage)		4			3,000.00
A' X F Digital Color Print						-
Historical Aerial Images   unit	Fim Processing - 24 Exp Roll 4" X 6" Digital Color Print					-
Tx Parks & Wildlife Data Request Fees	Historical Aerial Images	unit				-
Hazardous Materials Database Search   per search   S1,500.00   S						-
Backhoe Rental	Hazardous Materials Database Search					
GIFS Receiver						-
Environmental Field Supplies (lathes, stakes, day   S100.00   S   Curator (Drawer & TX Archaelogical Research   Lab for artifacts & report   Per project   S5,000.00   S   Curator (Drawer & TX Archaelogical Research   Per project   Per project   S5,000.00   S   Curator (Drawer & TX Archaelogical Research   Per publication   A   S875.00   S   3,300.00   S   Curator (Drawer & TX Archaelogical Research   Per publication   A   S875.00   S   3,300.00   S   Curator (Per publication   S1,200.00   S   1,200.00   S   1						<del></del>
Curato (Drawer & TX Archelogical Research						
Lab for artifacts & report		day		\$100.00	\$	-
Database Search (Le. Texas Online Directory)	Lab for artifacts & report	per project		\$5,000.00	\$	-
Legal Notice         per publication         1         \$1,200.00         \$1,200.00           Court Reporter (Public Hearings & Transcription)         day         2         \$600.00         \$1,200.00           Law Enforcement/Uniform Officer         hour/officer         2         \$500.00         \$1,200.00           Translator (English to Spanish) for Public Involvement         event         1         \$500.00         \$500.00           Translator (English to Spanish or Sign Language)         hour         2         \$75.00         \$1,500.00           Custodian for Public Involvement         hour (Location for Public Involvement (Location for Publ				\$100.00		
Court Reporter (Public Hearings & Transcription)						
Law Enforcement/Uniform Officer	Court Reporter		•	\$100.00		-
Translator (English to Spanish) for Public Involvement	Court Reporter (Public Hearings & Transcription)					
Involvement	Translator (English to Spanish) for Public	nour/officer		\$250.00	>	500.00
Custodian for Public Involvement	Involvement					50.00
Sound Technican for Public Involvement	Translator (English to Spanish or Sign Language)		2			150.00
Public Hearing Facility Rental   event						
Noise Workshop Sites Rental	Material Production for Public Involvement (handouts, exhibits, ect)	event				
Audio - Visual Equipment Rental (Nearing)         event         1         \$800.00         \$800.00           Audio - Visual Equipment Rental (Nearing)         event         1         \$500.00         \$50.00           Audio - Visual Equipment Rental (Nearing)         event         1         \$500.00         \$50.00           Public Notices - Mass Mailing         500         1         \$2,800.00         \$2,800.00           Desktop & Microcomputer wilhotter         hour         \$500.00         \$5         \$500.00         \$5           Microstation CADO System wilhotter         day         \$500.00         \$5         \$5           Boat with Motor         day         \$500.00         \$5         \$5           GPS STR         hour         \$300.00         \$5         \$5           GPS Static         hour         \$200.00         \$5         \$6           Arrial Term         \$500.00         \$5         \$5         \$5           Certified Deed Copies         sheet         \$550.00         \$5         \$5           Arrial Time Sanning         per frame         \$175.00         \$5         \$5           Arrial Turns         each         \$500.00         \$5         \$5         \$5           Cross Country <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
Audio - Visual Equipment Rental (Noise Workshops)         event         1         \$50.00         \$         \$50.00           Desktop & Microcomputer wylfotter         hour         \$125.00         \$         \$2,800.00         \$         \$2,800.00         \$         \$2,800.00         \$         \$2,800.00         \$         \$         \$2,800.00         \$ <th< td=""><td>Audio - Visual Equipment Rental (Hearing)</td><td></td><td></td><td>\$800.00</td><td></td><td>800.00</td></th<>	Audio - Visual Equipment Rental (Hearing)			\$800.00		800.00
Desktop & Microzomputer wylfotter         hour         \$125.00         \$           Microzatain CAD System wylfotter         hour         \$50.00         \$           Robbit Chall Station         day         \$520.00         \$           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         \$35.00         \$           Aerial Film Scanning         per frame         \$17.50         \$           Aerial Turns         each         \$50.00         \$         -           Aerial Turns         each         \$50.00         \$         -           Mobilization Fee         each         \$5.00.00         \$         -           Film         linear foot         \$30.00         \$         -           Aerial Turns         each         \$5.00.00         \$         -           Film         linear foot         \$0.00.00         \$         -           Mobiliza	Audio - Visual Equipment Rental (Noise Workshops)		1		\$	50.00
Microstation CADD System w/Plotter			1			2,800.00
Boat with Motor	Microstation CADD System w/Plotter	hour		\$50.00	\$	-
GOS RTK						-
GPS Static	GPS RTK					
Certified Deed Copies		hour	1	\$20.00	\$	
Deed Copies	Map Records  Certified Deed Copies					
Aparlal Flim Scanning	Deed Copies			\$3.00	\$	
Aerial Turns         mile         \$5.92         \$           Cross Country         mile         \$5.92         \$         -           Mobilization Fee         each         \$1,000.00         \$         -           Film         linear frot         \$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 prossing/Film Scanning         Per Frame         \$28.35         \$         -           Taxonomy Expert         hour         \$212.00         \$         -           Dow gear rental per person         day         \$50.00         \$         -           Consumable field supplies         unit         \$750.00         \$         -           Downhole Camera Rental         day         \$550.00         \$         -           Photographs         mile         \$22.266         \$         -           Certified Mail         unit         75         \$10.67         \$         800.25	Aerial Film Scanning					
Cross Country						
Mobilization Fee   each	Cross Country	mile		\$5.92	\$	
Aerial Photography Mobilization Fee         Per Project         537.50         S           Project Flight Miles (on project flight miles)         Per Mule         \$30.00         S         -           Color Film Processing         Per Frame         \$48.50         S         -           Digital Image processing/Film Scanning         Per Frame         \$28.35         S         -           Taxonomy Expert         hour         \$21.20         S         -           Dive gear rental per person         day         \$50.00         S         -           Consumable field supplies         unit         \$750.00         S         -           Downhole Camera Rental         day         \$550.00         S         -           Photographs         mile         \$22.66         S         -           Certified Mail         unit         75         \$10.67         S         800.25           Meeting supplies (cardstock,nametags,pens, etc.)         event         2         \$200.00         S         40.00         S         -         10.00         S         -         50.00         S         -         10.00         S         -         10.00         S         -         -         50.00         S         -	Mobilization Fee					
Project Flight Miles (on project flight miles)						
Digital Image processing/film Scanning	Project Flight Miles (on project flight miles)	Per Mile		\$30.00	\$	-
Taxonomy Expert   hour						-
Dive gear rental per person   day   \$50.00   \$						<del></del>
Downhole Camera Rental         day         525.00         \$           Photographs         mile         522.66         \$         -           Certified Mail         unit         75         \$10.67         \$         800.25           Meeting supplies (cardstock,nametags,pens, etc.)         event         2         \$200.00         \$         400.00           Refershments (Public Hearing)         event         1         \$150.00         \$         150.00           Refershments (Noise Workshops)         event         1         \$75.00         \$         75.00           Survey Monkey         event         1         \$35.00         \$         \$	Dive gear rental per person	day		\$50.00	\$	-
Photographs   mile   \$22.66   S   C   C   C   C   C   C   C   C   C						-
Certified Mail         unit         75         \$10.67         \$ 800.25           Meeting supplies (cardstock,nametags,pens, etc.)         event         2         \$200.00         \$ 400.00           Refreshments (Public Hearing)         event         1         \$150.00         \$ 150.00           Refreshments (Noise Workshops)         event         1         \$75.00         \$ 75.00           Survey Monkey         event         1         335.00         \$ 33.00	Photographs					
Refreshments (Public Hearing)         event         1         \$150.00         \$         \$150.00           Refreshments (Noise Workshops)         event         1         \$75.00         \$         75.00           Survey Monkey         event         1         \$35.00         \$         35.00	Certified Mail	unit		\$10.67	\$	
Refreshments (Noise Workshops)         event         1         \$75.00         \$         75.00           Survey Monkey         event         1         \$35.00         \$         35.00						
Survey Monkey event 1 \$35.00 \$ 35.00	Refreshments (Noise Workshops)			\$75.00		75.00
	Survey Monkey				\$	35.00

12

Hicks and Company Fee Schedule

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1												
TASK DESCRIPTION	Sr. Env'l Scientist II	Sr. Env'l Scientist I		Env'l Scientist I		Env'l Prof I ER HV		Env'l Staff II SC JL				September 9, 2014
	TVZ	JB JK AP	Env'l Scientist II RF	Bob	Env'l Prof II Ed	JH	Env'l Staff III JM	СН	Env'l Staff I ES	Env'l Tech I	Total	Labor
Nonational Contract Data	\$180.77	\$156.67	\$138.59	\$111.47	\$105.45	\$82.85	\$72.31	\$67.79	\$60.26	\$49.71	Hours	Cost
Negotiated Contract Rate  II. Project Management and Administration	\$160.77	\$130.07	\$150.55	\$111.47	3105.45	\$62.65	\$72.31	\$07.75	\$60.26	345.71		
A. Project Management and Administration												
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	
Task 3: Provide project correspondence											0	
Task 4: Prepare monthly schedule updates (12)											0	\$ -
B. Coordination												
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	\$ -
C. Quality Assurance/quality control (QA/QC)												
Provide Certification of QA/QC at deliverable milestones											0	\$ -
III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY												
A. Route and Design Studies												
Task 1: Design Schematics											0	<u>^</u>
Develop preliminary noise barrier design											U	\$ -
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. Social, Economic and Environmental Studies and Public Involvement												
Task 1: Project Scope for Environmental Review Document												
Prepare Project Scope for Environmental Review document											0	<del>Y</del>
Conduct Workshop to finalize Project Scope for Environmental Review											0	\$ -
Task 2: Environmental Document Preparation												
Subtask A: Draft Environmental Assessment (EA)		0									0	<u>^</u>
Prepare the draft EA for the project		0									0	т
Schedule and attend an environmental document review meeting with the Mobility Authority  Revise the EA, addressing comments obtained from the Mobility Authority, TxDOT Austin District, TxDOT ENV,											U	<del>-</del>
FHWA, and Agency review		0									0	\$ -
Subtask B: Final EA		Ü									J	<u>Y</u>
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		2										\$ 515.54
Subtask C: FONSI/Final Approval											0	<del>Y</del>
Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)											0	\$ -
Task 3: Noise Workshops											3	·
Conduct an initial internal workshop with the Mobility Authority, TxDOT, and the GEC											0	\$ -
Conduct one (1) noise workshop			<u> </u>									
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, <del>perspective drawings</del> , voting information /												
ballots, handouts, PowerPoint presentation and fact sheet											0	\$ -
Identify and propose for approval locations for the four (4) workshops						-				-	0	<u>'</u>
Prepare a draft noise workshop notification packet for review and approval  Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners						-		-		+	U	<b>γ</b> -
Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30 days prior to the workshop											0	<b>\$</b> -
Conduct followup phone calls for property owners who have not responded for noise workshop						<del> </del>				+	0	<del>,</del> =
Provide door-hangers on the adjacent properties										+	U	<del>-</del>
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										1	0	
			1		<b>†</b>	1		<del> </del>		1	0	
Provide final summary report of the noise workshop process			1								UI	<b>&gt;</b> -

Hicks and Company Fee Schedule

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1												
TASK DESCRIPTION	Sr. Env'l Scientist II	Sr. Env'l Scientist I		Env'l Scientist I		Env'l Prof I ER HV		Env'l Staff II SC JL		-		September 9, 2014
	TVZ	JB JK AP	Env'l Scientist II RF	Bob	Env'l Prof II Ed	JH	Env'l Staff III JM	СН	Env'l Staff I ES	Env'l Tech I	Total	Labor
			4		4		4			4	Hours	Cost
Negotiated Contract Rate	\$180.77	\$156.67	\$138.59	\$111.47	\$105.45	\$82.85	\$72.31	\$67.79	\$60.26	\$49.71		
Subtask A: Administrative Record (AR)												
Establish, track, organize and manage the project's administrative record supporting the agency's decisions											0	r .
Create and maintain an index and a database of documents contained within the AR											0	\$ -
Task 5: Public Involvement												
Subtask A: Public Involvement Plan												
Update the public involvement plan and submit five copies to the Mobility Authority, TxDOT Austin District and												
TxDOT ENV for review and approval											0	\$ -
Subtask B: Stakeholder Engagement												
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	\$ -
					1							
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	-						
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												
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	\$ -
Subtask C: Public Hearing												
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	\$ -
Tota	8	15	0	0	0	6	0	12	6	0	47	\$ 5,468.35
Tota				\$ -	\$ -	\$ 497.10	¢ -	\$ 813.48		ė -		·

Hicks and Company Fee Schedule

#*XF**Digital Color Print  Medis Moris Mor	Other Direct Expenses	Unit	Quantity	Rate	Total
Meals					
Mileage	4" X 6" Digital Color Print	picture		\$ 0.20	\$ -
Biesel LaC   Fideline Lasees and fees; Insurance costs will not support to the property of t	Meals	day/person			
SUV or ATV Rental Indudes taxes and fees; insurance costs   day					\$ -
Lasse Vehicle (Includes taxes and fees; Insurance costs will   month   \$ 1,500.00   \$ .					\$ -
Rental Car Fuel					
Abs Travel - In State - 2 M Ns Notice (Coach)					
Abstrace					
Parking	Air Travel - In State - Short Notice (Coach)				
Parking					
Toll Charges					
Telephone		each			\$ -
Posts (glw on Bond)					
Photocopies B/W (8) 127" x11"   each   \$ 0.10   \$ - Plots (B/W on Bond)   Square foot   \$ 3.00   \$ - Plots (G/Ord on Bond)   Square foot   \$ 3.00   \$ - Plots (Color on Bond)   Square foot   \$ 3.00   \$ - Plots (Color on Plotsyaphic Paper)   Square foot   \$ 2.50.0   \$ - Color Graphics on Foam Board   Square foot   \$ 2.50.0   \$ - Color Graphics on Foam Board   Square foot   \$ 2.50.0   \$ - Color Graphics on Foam Board   Square foot   \$ 2.50.0   \$ - Color Graphics on Foam Board   Square foot   \$ 2.50.0   \$ - Color Graphics on Foam Board   Square foot   \$ 2.50.0   \$ - Color Graphics on Foam Board   Square foot   \$ 2.50.0   \$ - Color Graphics on Foam Board   Square foot   \$ 2.50.0   \$ - Color Graphics on Foam Board   Square foot   \$ 2.50.0   \$ - Color Graphics on Foam Board   Square foot   \$ 2.50.0   \$ - Color Graphics on Foam Board   Square foot   \$ 2.50.0   \$ - Color Graphics on Foam Board   Square foot   \$ 2.50.0   \$ - Color Graphics on Foam Board   Square foot   \$ 2.50.0   \$ - Color Graphics on Foam Board   Square foot   \$ 2.50.0   \$ - Color Graphics   Square foot   \$ 3.50.0   \$ - Color Graphics   Square foot					
Plots (Fallor on Bondy)					
Plots (Color on Bond)					
Piots (Color on Photgraphic Paper)					
Color Graphics on Foam Board	Plots (Color on Photgraphic Paper)	square foot		\$ 5.00	\$ -
Presentation Boards 30" X 40" Color Mounted					
Notebooks					
Newsletter : print; production, mall   event					
Reproduction of CD/DVD					T
Film - 24 Exp Roll				\$ 5.00	
Filin Processing - 24 Exp Roll		each		\$ 5.00	
Historical Aerial Images					
Ta Paris & Wildlife Data Request Fees					
Hazardous Materials Database Search					
Backhoe Rental					
GPS Receiver					\$ -
Environmental Field Supplies (lathes, stakes,   day					
Blagging, spray paint, etc.)		day		\$ 100.00	\$ -
Lab for artifacts & report	flagging, spray paint, etc.)	day		\$ 100.00	\$ -
Database Search (i.e. Texas Online Directory)		per project		\$ 5,000,00	\$ -
Court Reporter   page					
Court Reporter (Public Hearings & Transcription)   day	Newspaper Advertisement	per publication			\$ -
Law Enforcement/Uniform Officer					
Translator (English to Spanish) for Public   event					
Translator (English to Spanish or Sign Language)	Translator (English to Spanish) for Public				
Custodian for Public Involvement   hour/custodian   S   1,00.00   S   - Sound Technican for Public Involvement   event   S   1,000.00   S   - Sound Technican for Public Involvement (handouts, waterial Production for Public Involvement (handouts, exhibits, ect)   event   S   1,500.00   S   - Public Involvement Facilty Rental   event   S   2,000.00   S   - Audio - Visual Equipment Rental   event   S   2,000.00   S   - Audio - Visual Equipment Rental   each   S   1,000.00   S   - Audio - Equipment Rental   each   S   1,000.00   S   - Audio - Visual Equipment Rental   each   S   1,500.00   S   - Audio - Subaling   S00   S   1,500.00   S   - Equipment Rental   Equipment Rental   Each   S   1,500.00   S   - Equipment Rental   Equ					
Material Production for Public Involvement (handouts, exhibits, ect)					
exhibits, ect)         event         \$ 1,500.00         \$ -           Public Involvement Facilty Rental         event         \$ 3,000.00         \$ -           Audio - Visual Equipment Rental         event         \$ 2,000.00         \$ -           Audio - Equipment Rental         each         \$ 1,000.00         \$ -           Public Notices - Mass Mailing         \$00         \$ 1,500.00         \$ -           Desktop & Microcomputer w/Plotter         hour         \$ 125.00         \$ -           Microstation CADD System w/Plotter         hour         \$ 50.00         \$ -           Mobotic Total Station         day         \$ 250.00         \$ -           Boat with Motor         day         \$ 500.00         \$ -           Boat with Motor         day         \$ 500.00         \$ -           GPS STRI         hour         \$ 30.00         \$ -           GPS Static         hour         \$ 20.00         \$ -           Map Records         sheet         \$ 50.00         \$ -           Certified Deed Copies         sheet         \$ 25.00         \$ -           Deed Copies         sheet         \$ 30.00         \$ -           Aerial Turns         each         \$ 5.00         \$ -           A					\$ -
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Audio - Equipment Rental   each   \$ 1,000.00   \$ - Public Notices - Mass Mailing   500   \$ 1,500.00   \$ - Public Notices - Mass Mailing   500   \$ 1,500.00   \$ - Public Notices - Mass Mailing   500   \$ 1,500.00   \$ - Public Notices - Mass Mailing   500   \$ 125.00   \$ - Public Notices - Mass Mailing   500.00   \$ - Public Notices - Public N					
Public Notices - Mass Mailing					
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 Ded Copies         sheet         \$ 25.00         \$ -           Deed Copies         sheet         \$ 30.00         \$ -           Aerial Film Scanning         per frame         \$ 17.50         \$ -           Aerial Turns         each         \$ 5.92         \$ -           Aerial Turns         mile         \$ 5.92         \$ -           Cross Country         mile         \$ 5.92         \$ -           Film         linear foot         \$ 20.00         \$ -           Film         linear foot         \$ 20.00         \$ -           Filght Line         mile         \$ 22.66         \$ -           Photographs         mile         \$ 30.00         \$ -					
Microstation CADD System w/Plotter					7
Robotic Total Station					
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 Fluris 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         \$           Filght Line         mile         \$ 5.92         \$           Aerial Photography Mobilization Fee         Per Project         \$ 375.00         \$           Project Flight Miles (on project flight miles)         Per Mile         \$ 375.00         \$           Color Film Processing         Per Frame         \$ 48.50         \$           Digital Image processing/Film Scanning         Per Frame         <	Robotic Total Station			\$ 250.00	\$ -
GPS Static					\$ -
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         \$ -           Kobolization Fee         each         \$ 1,000.00         \$ -           Film         linear foot         \$ 20.00         \$ -           Photographs         mile         \$ 22.66         \$ -           Photographs         mile         \$ 22.66         \$ -           Registed Flight Miles (on project flight miles)         Per Project         \$ 375.00         \$ -           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         Per Frame         \$ 28.35         \$ -					\$ -
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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         \$ 375.00         \$ -           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         \$ - </td <td></td> <td></td> <td></td> <td></td> <td></td>					
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         \$         -	Aerial Turns	each		\$ 50.00	\$ -
Mobilization Fee					
Film         linear foot         \$ 20.00         \$ -           Photographs         mile         \$ 22.66         \$ -           Flight Line         mile         \$ 5.22         \$ -           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         \$ -	,				
Photographs					
Flight Line					
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         \$         -					
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Digital Image processing/Film Scanning					
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         \$ -           Refreshments         event         \$ 125.00         \$ -					
Dive gear rental per person   day   \$ 50.00   \$ - Consumable field supplies   unit   \$ 700.00   \$ - Consumable field supplies   unit   \$ 700.00   \$ - Consumable field supplies   4					
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         \$ -					
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         \$ -					
Photocopies (color) 8-1/2 X 11         each         \$ 0.45         \$ -           Certified Mail         unit         \$ 1.50         \$ -           Meeting supplies (cardstock,nametags,pens, etc.)         unit         \$ 30.00         \$ -           Refreshments         event         \$ 125.00         \$ -					
Meeting supplies (cardstock,nametags,pens, etc.)     unit     \$ 300.00     \$ -       Refreshments     event     \$ 125.00     \$ -	Photocopies (color) 8-1/2 X 11				
Refreshments event \$ 125.00 \$ -					
I LOTALI C	Refreshments			ə 125.00	\$ -

KFriese Fee Schedule

	Г	T	T	Г	T	T	1	T		Т	1	
MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1 TASK DESCRIPTION	4					Senior		Office				
······································	Principal	Project	Senior	Project	EIT	CADD	CADD	Administrator	Admin/	Total	Li	abor
		Manager	Engineer	Engineer		Technician	Technician		Clerical	Hours	(	Cost
Negotiated Contract Rate  II. Project Management and Administration	\$194.18	\$191.93	\$144.51	\$105.37	\$85.80	\$96.34	\$69.24	\$75.26	\$48.17			
A. Project Management and Administration												
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. Coordination												
Schedule, attend and conduct Agency Coordination with CTRMA, TxDOT and FHWA (24 meetings-												
<del>assumed)</del>		0	0							0	\$	-
Develop agendas, action items and meeting minutes for all meetings												
C. Quality Assurance/quality control (QA/QC)		0							0	0		
Provide Certification of QA/QC at deliverable milestones  III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY		0							0	0	\$	
A. Route and Design Studies												
Task 1: Design Schematics												
Develop preliminary noise barrier design										0	\$	-
Assess the feasibility of each proposed location and recommend a construction type most												
appropriate for each site	<del>                                     </del>	<del>                                     </del>		-			<del>                                     </del>			0	\$	-
Identify issues associated with proposed barriers and drainage constraints  Assess the feasibility of aesthetic treatments and collect sample cost estimates for various aesthetic	<del> </del>	+	+	+	1		+	1		0	\$	-
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  B. Social. Economic and Environmental Studies and Public Involvement										0	\$	
Task 1: Project Scope for Environmental Review Document												
Prepare Project Scope for Environmental Review document										0	\$	-
Conduct Workshop to finalize Project Scope for Environmental Review										0	\$	-
Task 2: Environmental Document Preparation												
Subtask A: Draft Environmental Assessment (EA)			•									
Prepare the draft EA for the project		0	0							0	Ş	-
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	\$	-
Subtask B: Final EA												
Update the environmental document after the Public Hearing		2	0							2	\$	383.86
Prepare and list public hearing comments and responses Submit the revised preliminary Final EA for Mobility Authority, TxDOT Austin District, TxDOT ENV										0	Ş	-
and FHWA review										0	Ś	_
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	\$	-
Subtask C: FONSI/Final Approval												
Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)										0	¢	
Task 3: Noise Workshops										U	ې	
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			ļ <u> </u>							0	\$	-
Identify and document information to be communicated to the public (mailings, notices, advertising,												
etc.)	<b>_</b>	<del>                                     </del>	1	-			<del>                                     </del>			0	\$	-
Develop workshop agenda	<del> </del>	1		1			1	1		U	ې	
Develop exhibits for noise workshops including aerial maps with barrier locations and property lines,	1											
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	<del>                                     </del>	<del>                                     </del>		1			<del>                                     </del>			0	\$	-
Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30 days prior to the workshop										0	Ś	_
										U	٠	
Conduct followup phone calls for property owners who have not responded for noise workshop	<u> </u>	<u> </u>					<u> </u>	<u>                                      </u>		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										_	,	
	•	1	1	1	1	Ī	I	1		0	>	-
Drouida final cummany raport of the noice workshop arccess										^	¢	
Provide final summary report of the noise workshop process  Task 4: Environmental Support Services										0	\$	-

KFriese Fee Schedule

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1											
TASK DESCRIPTION  Negotiated Contract Rate	Principal \$194.18	Project Manager \$191.93	Senior Engineer \$144.51	Project Engineer \$105.37	EIT \$85.80	Senior CADD Technician \$96.34	CADD Technician \$69.24	Office Administrator \$75.26	Admin/ Clerical \$48.17	Total Hours	Labor Cost
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	\$ -
Task 5: Public Involvement											
Subtask A: Public Involvement Plan											
Update the public involvement plan and submit five copies to the Mobility Authority, TxDOT Austin											_
District and TxDOT ENV for review and approval										0	\$ -
Subtask B: Stakeholder Engagement 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-											Ÿ
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	ς .
Mail fact sheets to community members upon request				1			1			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  Coordinate and hold up to twenty (20) stakeholder interviews and meetings and prepare meeting-										U	ş -
summaries.—The CTRMA will handle this effort, no hours are provided.										0	\$ -
Subtask C: Public Hearing										-	T
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										1	
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		1			1			0	\$ -
Provide a court reporter  Compile and prepare responses to up to 125 comments (see B.2.B.) - Assumes two (2) rounds of				1			+			0	\$ -
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		<u> </u>		İ			1	1			
other materials to be used at the Hearing				<u> </u>			<u> </u>		<u></u>	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.	3			İ			1	1			. 502.54
Assumes two (2) rounds of revisions.										0	\$ -
Total	11	10	6	0	0	0	0	6	10	43	\$ 5,855.60
Total			-	Ś -	\$ -	\$ -	Ś -	\$ 451.56		1	\$ 5,855.60

KFriese 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 \$ 500.00	\$ \$	-
Air Travel	Rd Trip/person Rd Trip/person		\$ 600.00	\$	-
Air Travel - In State - Short Notice (Coach) 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 Photgraphic 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 Archaelogical 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,				١.	
exhibits, ect)	event		\$ 1,500.00	Ş	-
Public Involvement Facilty 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	\$	-
				4	
Boat with Motor	day		\$ 500.00	\$	-
Boat with Motor GPS RTK	hour		\$ 500.00 \$ 30.00	\$	-
Boat with Motor GPS RTK GPS Static	hour hour		\$ 500.00 \$ 30.00 \$ 20.00	\$	- - -
Boat with Motor GPS RTK GPS Static Map Records	hour hour sheet		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00	\$ \$ \$	- - - -
Boat with Motor GPS RTK GPS Static Map Records Certified Deed Copies	hour hour sheet sheet		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 25.00	\$ \$ \$	- - - -
Boat with Motor GPS RTK GPS Static Map Records Certified Deed Copies Deed Copies	hour hour sheet sheet sheet		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 25.00 \$ 3.00	\$ \$ \$ \$	- - - - -
Boat with Motor GPS RTK GPS Static Map Records Certified Deed Copies Deed Copies Aerial Film Scanning	hour hour sheet sheet sheet per frame		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 25.00 \$ 3.00 \$ 17.50	\$ \$ \$ \$ \$	=
Boat with Motor GPS RTK GPS Static Map Records Certified Deed Copies Deed Copies Aerial Film Scanning Aerial Turns	hour hour sheet sheet sheet per frame each		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 25.00 \$ 3.00 \$ 17.50 \$ 50.00	\$ \$ \$ \$ \$	-
Boat with Motor GPS RTK GPS Static Map Records Certified Deed Copies Deed Copies Aerial Film Scanning Aerial Turns Aerial Turns	hour hour sheet sheet sheet per frame each mile		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 25.00 \$ 3.00 \$ 17.50 \$ 50.00 \$ 5.92	\$ \$ \$ \$ \$	-
Boat with Motor GPS RTK GPS Static Map Records Certified Deed Copies Deed Copies Aerial Film Scanning Aerial Turns Cross Country Cross Country	hour hour sheet sheet sheet per frame each mile mile		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 25.00 \$ 3.00 \$ 17.50 \$ 50.00 \$ 5.92	\$ \$ \$ \$ \$ \$ \$	- - -
Boat with Motor GPS RTK GPS Static Map Records Certified Deed Copies Deed Copies Aerial Flim Scanning Aerial Turns Aerial Turns Merial Turns Meriol Turns Meriol Turns Mobilization Fee	hour hour sheet sheet sheet per frame each mile each		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 25.00 \$ 17.50 \$ 50.00 \$ 50.00 \$ 50.00 \$ 1,000.00	\$ \$ \$ \$ \$ \$	-
Boat with Motor GPS RTK GPS Static Map Records Certified Deed Copies Deed Copies Aerial Flim Scanning Aerial Turns Aerial Turns Cross Country Mobilization Fee Film	hour hour sheet sheet sheet per frame each mile mile each linear foot		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 25.00 \$ 17.50 \$ 50.00 \$ 17.50 \$ 50.00 \$ 5.92 \$ 5.92 \$ 1,000.00 \$ 20.00	\$ \$ \$ \$ \$ \$ \$	- - -
Boat with Motor GPS RTK GPS Static Map Records Certified Deed Copies Deed Copies Aerial Film Scanning Aerial Turns Aerial Turns Cross Country Mobilization Fee Film Photographs	hour hour sheet sheet sheet per frame each mile mile inear foot mile		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 25.00 \$ 3.00 \$ 17.50 \$ 50.00 \$ 5.92 \$ 5.92 \$ 1,000.00 \$ 22.66	\$ \$ \$ \$ \$ \$ \$	- - - - -
Boat with Motor GPS RTK GPS Static Map Records Certified Deed Copies Deed Copies Aerial Film Scanning Aerial Turns Aerial Turns Mobilization Fee Film Photographs Flight Line	hour hour hour sheet sheet sheet per frame each mile each linear foot mile mile		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 25.00 \$ 17.50 \$ 50.00 \$ 17.50 \$ 5.92 \$ 5.92 \$ 1,000.00 \$ 20.00 \$ 22.06 \$ 5.92	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - -
Boat with Motor GPS RTK GPS STATIC GPS Static Map Records Certified Deed Copies Deed Copies Aerial Flim Scanning Aerial Turns Aerial Turns Cross Country Mobilization Fee Film Photographs Filight Line Aerial Photography Mobilization Fee	hour hour sheet sheet sheet sheet per frame each mile mile each linear foot mile per Project		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 25.00 \$ 3.00 \$ 17.50 \$ 50.00 \$ 5.92 \$ 1,000.00 \$ 22.66 \$ 22.66 \$ 5.92	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Boat with Motor GPS RTK GPS STATIC GPS STATIC Map Records Certified Deed Copies Deed Copies Deed Copies Aerial Film Scanning Aerial Turns Cross Country Mobilization Fee Film Photographs Flight Line Aerial Protography Mobilization Fee Project Flight Miles (on project flight miles)	hour hour sheet sheet sheet sheet per frame each mile mile each linear foot mile mile Per Project Per Mile		\$ 500.00 \$ 30.00 \$ 22.00 \$ 50.00 \$ 25.00 \$ 3.00 \$ 17.50 \$ 50.00 \$ 17.50 \$ 5.92 \$ 5.92 \$ 1,000.00 \$ 22.66 \$ 5.92 \$ 375.00 \$ 335.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Boat with Motor GPS RTK GPS STATK GPS STATC Map Records Certified Deed Copies Deed Copies Deed Copies Aerial Film Scanning Aerial Turns Aerial Turns Cross Country Mobilization Fee Film Photographs Flight Line Aerial Photography Mobilization Fee Project Flight Miles (on project flight miles) Color Film Processing	hour hour hour sheet sheet sheet sheet per frame each mile each linear foot mile mile Per Project Per Mile Per Frame		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 25.00 \$ 17.50 \$ 50.00 \$ 17.50 \$ 5.92 \$ 1,000.00 \$ 22.66 \$ 5.92 \$ 375.00 \$ 48.50	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Boat with Motor GPS RTK GPS STATIC GPS STATIC Map Records Certified Deed Copies Deed Copies Aerial Film Scanning Aerial Turns Aerial Turns Aerial Turns Mobilization Fee Film Photographs Flight Line Aerial Photography Mobilization Fee Project Flight Miles (on project flight miles) Color Film Processing Digital Image processing Digital Image processing	hour hour hour sheet sheet sheet sheet per frame each mile each linear foot mile Per Project Per Mile Per Frame Per Frame		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 25.00 \$ 17.50 \$ 50.00 \$ 17.50 \$ 50.00 \$ 20.00 \$ 5.92 \$ 1,000.00 \$ 22.66 \$ 5.92 \$ 375.00 \$ 375.00 \$ 348.50 \$ 32.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Boat with Motor GPS RTK GPS STATIC GPS STATIC Map Records Certified Deed Copies Deed Copies Aerial Film Scanning Aerial Turns Aerial Turns Cross Country Mobilization Fee Film Photographs Flight Line Aerial Protography Mobilization Fee Project Flight Miles (on project flight miles) Color Film Processing Digital Image processing/Film Scanning Taxonomy Expert	hour hour hour sheet sheet sheet sheet per frame each mile mile mile each linear foot mile per Project Per Mile Per Frame Per Frame hour		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 50.00 \$ 17.50 \$ 50.00 \$ 17.50 \$ 50.00 \$ 17.50 \$ 50.00 \$ 22.66 \$ 5.92 \$ 22.66 \$ 30.00 \$ 22.66 \$ 30.00 \$ 30.00 \$ 28.35 \$ 28.35 \$ 212.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Boat with Motor GPS RTK GPS STATK GPS STATC Map Records Certified Deed Copies Deed Copies Aerial Film Scanning Aerial Turns Aerial Turns Cross Country Mobilization Fee Film Photographs Flight Line Aerial Photography Mobilization Fee Project Flight Miles (on project flight miles) Color Film Processing Digital Image processing/Film Scanning Taxonomy Expert Dive gear rental per person	hour hour hour sheet sheet sheet sheet each mile each linear foot mile mile Per Project Per Mile Per Frame Per Frame hour day		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 25.00 \$ 17.50 \$ 50.00 \$ 17.50 \$ 5.92 \$ 1,000.00 \$ 22.66 \$ 5.92 \$ 375.00 \$ 48.50 \$ 28.35 \$ 212.00 \$ 50.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Boat with Motor GPS RTK GPS STRT GPS Static Map Records Certified Deed Copies Deed Copies Aerial Flim Scanning Aerial Turns Aerial Turns Aerial Turns Mobilization Fee Film Photographs Flight Une Aerial Photography Mobilization Fee Project Flight Miles (on project flight miles) Color Film Processing Digital Image processing Digital Image processing	hour hour hour sheet sheet sheet sheet per frame each mile mile mile each linear foot mile per Project Per Mile Per Frame Per Frame hour		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 50.00 \$ 17.50 \$ 50.00 \$ 17.50 \$ 5.92 \$ 1,000.00 \$ 20.00 \$ 22.66 \$ 5.92 \$ 375.00 \$ 375.00 \$ 30.00 \$ 32.00 \$ 30.00 \$ 30.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Boat with Motor GPS RTK GPS STATIC GPS STATIC Map Records Certified Deed Copies Deed Copies Deed Copies Aerial Film Scanning Aerial Turns Aerial Turns Cross Country Mobilization Fee Film Photographs Flight Line Aerial Photography Mobilization Fee Project Flight Miles (on project flight miles) Color Film Processing Digital Image processing/Film Scanning Taxonomy Expert Dive gear rental per person Consumable field supplies Downhole Camera Rental	hour hour hour sheet sheet sheet sheet each mile each linear foot mile mile Per Project Per Mile Per Frame Per Frame hour day		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 50.00 \$ 17.50 \$ 50.00 \$ 17.50 \$ 50.00 \$ 17.50 \$ 50.00 \$ 5.92 \$ 1,000.00 \$ 22.66 \$ 35.92 \$ 35.92		
Boat with Motor GPS RTK GPS STATIC GPS ATTIC GPS ATTIC Map Records Certified Deed Copies Deed Copies Deed Copies Aerial Film Scanning Aerial Turns Aerial Turns Cross Country Mobilization Fee Film Photographs Flight Line Aerial Photography Mobilization Fee Project Flight Miles (on project flight miles) Color Film Processing Digital Image processing/Film Scanning Taxonomy Expert Dive gear rental per person Consumable field supplies	hour hour hour sheet sheet sheet sheet ger frame each mile each linear foot mile mile Per Project Per Mile Per Frame Per Frame hour day unit		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 25.00 \$ 17.50 \$ 17.50 \$ 5.92 \$ 1,000.00 \$ 22.66 \$ 5.92 \$ 375.00 \$ 28.35 \$ 28.35 \$ 212.00 \$ 250.00 \$ 0.00		
Boat with Motor GPS RTK GPS STATIC GPS STATIC Map Records Certified Deed Copies Deed Copies Deed Copies Aerial Film Scanning Aerial Turns Aerial Turns Cross Country Mobilization Fee Film Photographs Flight Line Aerial Protography Mobilization Fee Project Flight Miles (on project flight miles) Color Film Processing Digital Image processing/Film Scanning Taxonomy Expert Dive gear rental per person Consumable field supplies Downhole Camera Rental	hour hour hour sheet sheet sheet sheet per frame each mile mile each linear foot mile Per Project Per Mile Per Frame hour day unit day		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 50.00 \$ 17.50 \$ 50.00 \$ 17.50 \$ 50.00 \$ 17.50 \$ 50.00 \$ 5.92 \$ 1,000.00 \$ 22.66 \$ 35.92 \$ 35.92		
Boat with Motor GPS RTK GPS STATIC MAP Records Certified Deed Copies Deed Copies Aerial Flim Scanning Aerial Turns Aerial Turns Cross Country Mobilization Fee Film Photographs Flight Line Aerial Photography Mobilization Fee Project Flight Miles (on project flight miles) Color Film Processing Digital Image processing/Film Scanning Taxonomy Kzyert Dive gear rental per person Consumable field supplies Downhole Camera Rental Photocopies (color) 8-1/2 X 11	hour hour hour sheet sheet sheet sheet per frame each mile mile each linear foot mile mile Per Project Per Mile Per Frame hour day unit day each		\$ 500.00 \$ 30.00 \$ 20.00 \$ 50.00 \$ 25.00 \$ 17.50 \$ 17.50 \$ 5.92 \$ 1,000.00 \$ 22.66 \$ 5.92 \$ 375.00 \$ 28.35 \$ 28.35 \$ 212.00 \$ 250.00 \$ 0.00		

LBJ Wildflower Center Fee Schedule

#### MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1						
TASK DESCRIPTION					1	
,			Environmental		1	
!	Principal	Project	Designer	Ecologist	Total	Labor
		Manager			Hours	Cost
Negotiated Contract Rate	\$210.00	\$136.50	\$105.00	\$105.00		
II. Project Management and Administration						
A. Project Management and Administration			•		10	4 2700.00
Task 1: Provide monthly progress reports and invoices (12)	6	6	6		18 5	
Task 2: Provide record keeping and file management					0 :	•
Task 3: Provide project correspondence					0 5	
Task 4: Prepare monthly schedule updates (12)					0	\$ -
B. Coordination Schedule, attend and conduct Agency Coordination with CTRMA, TxDOT and FHWA (24 meetings assumed)					0 !	ė.
Develop agendas, action items and meeting minutes for all meetings					0 :	•
C. Quality Assurance/quality control (QA/QC)					0	Y
Provide Certification of QA/QC at deliverable milestones					0 :	\$ -
III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY						Y
A. Route and Design Studies						
Task 1: Design Schematics						
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 9	\$ -
Revise details for preferred aesthetic treatments and noise wall types					0 :	\$ -
Develop preliminary noise wall layouts					0 :	\$ -
B. Social, Economic and Environmental Studies and Public Involvement						
Task 1: Project Scope for Environmental Review Document						
Prepare Project Scope for Environmental Review document					0 :	•
Conduct Workshop to finalize Project Scope for Environmental Review					0 :	\$ -
Task 2: Environmental Document Preparation						
Subtask A: Draft Environmental Assessment (EA)						<u> </u>
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 !	\$ -
Subtask B: Final EA						
Update the environmental document after the Public Hearing					0 9	ς -
Prepare and list public hearing comments and responses						•
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 5	\$ - \$ -
					0 9	\$ - \$ - \$ -
Provide hard copies and CDs of the Final EA					0 5	\$ - \$ - \$ -
Provide hard copies and CDs of the Final EA  Subtask C: FONSI/Final Approval					0 9 0 9 0 9 0 9 0 9 0 9 0 9 0 9 0 9 0 9	\$ - \$ - \$ -
Provide hard copies and CDs of the Final EA  Subtask C: FONSI/Final Approval  Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)					0 9	\$ - \$ - \$ -
Provide hard copies and CDs of the Final EA  Subtask C: FONSI/Final Approval  Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)  Task 3: Noise Workshops					0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 :	\$ - \$ - \$ - \$ -
Provide hard copies and CDs of the Final EA  Subtask C: FONSI/Final Approval  Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)  Task 3: Noise Workshops  Conduct an initial internal workshop with the Mobility Authority, TxDOT, and the GEC					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ - \$ - \$ - \$ -
Provide hard copies and CDs of the Final EA  Subtask C: FONSI/Final Approval  Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)  Task 3: Noise Workshops  Conduct an initial internal workshop with the Mobility Authority, TxDOT, and the GEC  Conduct one (1) noise workshop					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ - \$ - \$ - \$ - \$ -
Provide hard copies and CDs of the Final EA  Subtask C: FONSI/Final Approval  Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)  Task 3: Noise Workshops  Conduct an initial internal workshop with the Mobility Authority, TxDOT, and the GEC  Conduct one (1) noise workshop  Develop talking points for noise workshops					0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 :	\$ - \$ - \$ - \$ - \$ - \$ -
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LBJ Wildflower Center Fee Schedule

#### MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1

Principal Manager Principal Ma	TASK DESCRIPTION			Environmental			
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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 0 4 \$ 840 Provide a translator and audio/video equipment  Provide a court reporter  Compile and prepare responses to up to 125 comments (see B.2.B.) - Assumes two (2) rounds of revisions.  4 0 0 0 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$						0	ć
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boards, including two (2) rounds of revisions.  Provide a translator and audio/video equipment  Provide a court reporter  Compile and prepare responses to up to 125 comments (see B.2.B.) - Assumes two (2) rounds of revisions.  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  Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make presentations, and answer questions  Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.  Total  4 0 0 0 \$ \$  4 \$ 840  0 0 \$ \$  4 \$ \$ 840  0 \$  0 \$  6 6 0 29 \$ 5,019							
Provide a translator and audio/video equipment  Provide a court reporter  Compile and prepare responses to up to 125 comments (see B.2.B.) - Assumes two (2) rounds of revisions.  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  Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make presentations, and answer questions  Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.  Total  17  6  6  0  \$  \$  \$  \$  \$  \$  \$  \$  \$  \$  \$  \$		_	_	_		_	
Provide a court reporter  Compile and prepare responses to up to 125 comments (see B.2.B.) - Assumes two (2) rounds of revisions.  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  Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make presentations, and answer questions  Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.  Total  17 6 6 6 0 29 \$ 5,019		4	0	0			
Compile and prepare responses to up to 125 comments (see B.2.B.) - Assumes two (2) rounds of revisions.  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  Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make presentations, and answer questions  Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.  Total  17  6  6  0  4  5  840  4  0  4  0  5  6  0  5  6  0  5  7  7  7  7  7  7  7  7  7  7  7  7							
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  Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make presentations, and answer questions  Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.  Total  17  6  6  0  29  5  5,019	· · · · · · · · · · · · · · · · · · ·						•
Hearing Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make presentations, and answer questions  Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.  Total  17  6  6  0  9  5  6  7  7  7  7  7  7  7  7  7  7  7  7		4	0			4	\$ 840.00
Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make presentations, and answer questions  Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.  Total 17 6 6 6 0 29 \$ 5,019	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					1	
presentations, and answer questions  3 0 3 \$ 630  Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.  Total 17 6 6 0 0 29 \$ 5,019						0	\$ -
Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.  Total 17 6 6 0 29 \$ 5,019	Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform registration, make	]					
Total 17 6 6 0 29 \$ 5,019		3	0	<u></u>		3	\$ 630.00
	Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of revisions.					0	\$ -
	Total	17	6	6	0	29	\$ 5,019.00
1 Totall \$ 3,5/0.00   \$ 819.00   \$ 630.00   \$ -   \$ 5,019	Total			\$ 630.00	\$ -		\$ 5,019.00

LBJWFC Fee Schedule

Other Direct Expenses	Print	Total		
4" X 6" Digital Color Print				
Meals				
Mileage  Postal Car (Includes taxes and foos: Insurance costs will not				
SUV or ATV Rental (Includes taxes and fees; Insurance costs will not				
Lease Vehicle (Includes taxes and fees; Insurance costs will				
Rental Car Fuel				т
Air Travel				т
Air Travel - In State - Short Notice (Coach) Air Travel - In State - 2+ Wks Notice (Coach)				
Parking				
Parking	week	\$ :		
Toll Charges				_
Taxi/Cab fare Telephone				
Postage				_
Photocopies B/W (8 1/2" X 11")				
Plots (B/W on Bond)				
Plots (Color on Bond)	square foot			
Plots (Color on Photgraphic Paper)				
Color Graphics on Foam Board				т
Color Graphics on Foam Board Presentation Boards 30" X 40" Color Mounted				
Notebooks				
Newsletter - print, production, mail		\$ 4,		
Reproduction of CD/DVD				
CDs				
Film - 24 Exp Roll Fim Processing - 24 Exp Roll				
Historical Aerial Images				
Tx Parks & Wildlife Data Request Fees				т
Hazardous Materials Database Search				
Required Permit Fees	each			
Backhoe Rental				
GPS Receiver	day	\$ :	100.00	\$ -
flagging, spray paint, etc.)  Curator (Drawer & TX Archaelogical Research	day	\$ :	100.00	\$ -
Lab for artifacts & report	ner project	\$ 50	00 00	ς .
Database Search (i.e. Texas Online Directory)				
Newspaper Advertisement				_
Court Reporter	page			
Court Reporter (Public Hearings & Transcription)	,			
Law Enforcement/Uniform Officer	hour/officer	\$ 2	200.00	\$ -
Translator (English to Spanish) for Public Involvement	ovent	¢ 1/	200 00	ć
Translator (English to Spanish or Sign Language)				
Custodian for Public Involvement				
Sound Technican for Public Involvement			00.00	\$ -
Material Production for Public Involvement (handouts, exhibits, ect)	event	\$ 1,	500.00	\$ -
Public Involvement Facilty Rental	event			
Audio - Visual Equipment Rental				_
Audio - Equipment Rental				
Public Notices - Mass Mailing Desktop & Microcomputer w/Plotter				
Microstation CADD System w/Plotter				_
Robotic Total Station				_
Boat with Motor	day		500.00	\$ -
GPS RTK	hour	\$	30.00	\$ -
GPS Static	hour	\$	20.00	\$ -
Map Records Cortified Dood Copies	sheet	\$	50.00	\$ -
Certified Deed Copies	sheet sheet	\$	3.00	\$ -
Deed Copies 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		00.00	\$ -
Film	linear foot	\$	20.00	\$ -
Photographs Flight Line	mile mile	\$	22.66 5.92	\$ -
Aerial Photography Mobilization Fee	Per Project		375.00	\$ -
Project Flight Miles (on project flight miles)	Per Mile	\$	30.00	\$ -
	Per Frame	\$	48.50	\$ -
Color Film Processing	Per Frame	\$	28.35	\$ -
Digital Image processing/Film Scanning			112 00	\$ -
Digital Image processing/Film Scanning Taxonomy Expert	hour		212.00	
Digital Image processing/Film Scanning Taxonomy Expert Dive gear rental per person	hour day	\$	50.00	\$ -
Digital Image processing/Film Scanning Taxonomy Expert Dive gear rental per person Consumable field supplies	hour day unit	\$	50.00 700.00	\$ - \$ -
Digital Image processing/Film Scanning Taxonomy Expert Dive gear rental per person Consumable field supplies Downhole Camera Rental	hour day unit day	\$ \$ \$	50.00 700.00 250.00	\$ - \$ - \$ -
Digital Image processing/Film Scanning Taxonomy Expert Dive gear rental per person Consumable field supplies Downhole Camera Rental Photocopies (color) 8-1/2 X 11	hour day unit day each	\$ \$ : \$ :	50.00 700.00 250.00 0.45	\$ - \$ - \$ - \$
Digital Image processing/Film Scanning Taxonomy Expert Dive gear rental per person Consumable field supplies Downhole Camera Rental	hour day unit day	\$ \$ \$ \$	50.00 700.00 250.00	\$ - \$ - \$ -

21

Zara Environmental Fee Schedule

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1																				
TASK DESCRIPTION																				
	Sr.Project	Lead	Project	Permitted	Senior	Hydrogeologist	Geophysicist	Diver	Geology	Karst	Karst	Biology	GIS	Technical	Technician	Technician Tech	nician	Admin/	Total	Labor
										Invertebrate										
	Manager	Diver	Manager	Scientist	Biologist	4	4444.40	4	Technician	Specialist	Technician	Technician	Technician	Editor / Writer	111	11	1	Clerical	Hours	Cost
Negotiated Contract Rate II. Project Management and Administration	e \$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		
A. Project Management and Administration																				
Task 1: Provide monthly progress reports and invoices (12)			6	6														12	18 \$	1,604.22
Task 2: Provide record keeping and file management																			0 \$	
Task 3: Provide project correspondence	1		1																0 \$	
Task 4: Prepare monthly schedule updates (12)  B. Coordination																			0 \$	
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 \$	
C. Quality Assurance/quality control (QA/QC)																				
Provide Certification of QA/QC at deliverable milestones  III. MOPAC INTERSECTIONS ENVIRONMENTAL STUDY																			0 \$	
A. Route and Design Studies																			0 \$	
Task 1: Design Schematics																			0 \$	
Develop preliminary noise barrier design																			0 \$	
Assess the feasibility of each proposed location and recommend a construction type most appropriate for each site			1															+	0 \$	
Identify issues associated with proposed barriers and drainage constraints  Assess the feasibility of aesthetic treatments and collect sample cost estimates for various aesthetic treatments	1		1																0 \$	<del></del>
Identify limits of clearing and impacts associated with proposed barriers	1		1		†	1				1	1			†				+	0 \$	
Provide preliminary quantities and construction cost estimates for each proposed barrier																			0 \$	
Prepare typical details for aesthetic concept development	<del>                                     </del>		1							ļ	ļ				ļ				0 \$	
Revise details for preferred aesthetic treatments and noise wall types	+	+	1		1	<b>_</b>				<u> </u>	<u> </u>			<del>                                     </del>		<del>                                     </del>		-	0 \$	
Develop preliminary noise wall layouts  B. Social, Economic and Environmental Studies and Public Involvement	1	1			+	<b>†</b>				1	1			1		<del>                                     </del>	+	+	0 \$	
Task 1: Project Scope for Environmental Review Document																			0 \$	<del></del>
Prepare Project Scope for Environmental Review document	1	1	1		1					ļ <u> </u>				ļ <u> </u>					0 \$	
Conduct Workshop to finalize Project Scope for Environmental Review			1																0 \$	
Task 2: Environmental Document Preparation Subtask A: Draft Environmental Assessment (EA)		-																	0 \$	
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			1																0 \$	-
Subtask B: Final EA Update the environmental document after the Public Hearing			1 2	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	1		2	2															2 \$	276.78
Provide hard copies and CDs of the Final EA Subtask C: FONSI/Final Approval			1																0 \$	
Prepare Draft FONSI and electronically submit to the Mobility Authority (includes 2 rounds of revisions)																			0 \$	-
Task 3: Noise Workshops																				
Conduct an initial internal workshop with the Mobility Authority, TxDOT, and the GEC																			0 \$	
Conduct one (1) noise workshop  Develop talking points for noise workshops	1		1																0 \$	
Identify and document information to be communicated to the public (mailings, notices, advertising, etc.)	1																		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, <del>perspective drawings</del> , voting information / ballots, handouts, PowerPoint presentation and fact sheet																			م د	_
Identify and propose for approval locations for the four (4) workshops	<del>†</del>		1		+	<del> </del>				1	1			<del> </del>		<del>                                     </del>	+	+	0 \$	
Prepare a draft noise workshop notification packet for review and approval																			0 \$	<u> </u>
Send noise workshop notification packets via certified mail, return receipt requested, to adjacent property owners 30 days						1			-											
prior to the workshop	+	+	1		1	<b>_</b>				<u> </u>	<u> </u>			<del>                                     </del>		<del>                                     </del>		-	0 \$	
Conduct followup phone calls for property owners who have not responded for noise workshop  Provide door hangers on the adjacent properties	<del>                                     </del>		1							1	<b>†</b>								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	<u> </u>		1		1					<u> </u>	<u> </u>			ļ					0 \$	
Provide final summary report of the noise workshop process																			0 \$	
Task 4: Environmental Support Services Subtask A: Administrative Record (AR)																				
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 \$	
Task 5: Public Involvement																				
Subtask A: Public Involvement Plan  Update the public involvement plan and submit five copies to the Mobility Authority, TxDOT Austin District and TxDOT ENV																				
for review and approval	I																		0 \$	-
Subtask B: Stakeholder Engagement																				
Update the mailing list	<u> </u>		1		1					<u> </u>	<u> </u>			ļ						
Provide content for inclusion on the Project Website	1	1		-	-	-				1	1			+		<del>                                     </del>			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	1																		0 \$	_
Develop up to two (2) e-newsletters for e-mail distribution to the project mailing list. Jacobs will develop an initial draft of	1									1										
text, GEC will manage review process, develop graphics, place content into newsletter layout and distribute.	1		ļ		1	ļ				ļ				ļ					0 \$	-
Develop content for one (1) update of the Project Fact Sheet. Jacobs will develop an initial draft of text, GEC will manage	I																			
review process, develop graphics, place content into fact sheet layout.	I			.]																
	1	1	] 1	1	1			1		1					]				1 \$	138.39

Zara Environmental Fee Schedule

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY SWA#1																				
TASK DESCRIPTION																				
	Sr.Project	Lead	Project	Permitted	Senior	Hydrogeologist	Geophysicist	Diver	Geology	Karst	Karst	Biology	GIS	Technical	Technician	Technician	Technician	Admin/	Total	Labor
										Invertebrate										
	Manager	Diver	Manager	Scientist	Biologist				Technician	Specialist	Technician	Technician	Technician	Editor / Writer	III	II	1	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 Ś	, -
Send project information to community groups and offer to meet with them; respond to requests from community members																				
for meetings with project staff																			0 Ś	, -
Conduct up to two (2) meetings with community groups. Assumes attendance at a community sponsored event, not a																				
separate meeting.																				
Assist with up to three (3) agency-to-agency meetings.	3	3	0																3 \$	477.6
Coordinate with the Mobility Authority and TXDOT on meeting logistics																			0 Ś	,
Maintain a complete correspondence file for the stakeholder meetings																			0 \$	, -
Prepare a neighborhood meeting summary for each meeting																			0 Ś	,
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 \$	, -
Subtask C: Public Hearing																				
Secure the hearing location, date and time (includes securing a/v equipment, chairs/tables, podium, etc.)																			0 Ś	,
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 Ś	, -
																				-
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.																			0.5	
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 Ś	, -
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	1	0	0															4 Ś	636.8
Arrange up to four (4) pre-meetings with the Mobility Authority and TxDOT to review all exhibits and other materials to be	1	1		_						İ	İ			İ			1	İ	1	
used at the Hearing																			0 \$	, -
Provide personnel to staff the Public Hearing, including three (3) public involvement and coordination staff to perform	1	1								İ	İ			İ			1	İ	1	
registration, make presentations, and answer questions	4	1	0	0															4 Ś	636.8
Develop a Public Hearing Summary & Analysis Report and submit to the Mobility Authority. Assumes two (2) rounds of	1	1		_						İ	İ			İ			1	İ	1	
revisions.																	1		0.5	, -
Total	11	1	0 11	n	0	0	n	n	٢	0	n	n	r	) 0	1		) 0	12	34 \$	4.047.5
Total		\$ -	\$ 1.522.29	ė	1	ć		, ·				1_	<u></u>		1	-	1,	\$ 773.88	37 7	4.047.5

Zara Fee Schedule

Other Direct Expenses	Unit	Quantity	L	Rate	Total
" X 6" Digital Color Print	picture		\$	0.20	\$
odging/Hotel odging/Hotel Taxes/fees	day/person		\$	130.00	\$
Meals	day/person		\$	71.00	\$
Mileage ental Car (Includes taxes and fees; Insurance costs will not	mile day		\$	0.565 50.00	\$
UV or ATV Rental (Includes taxes and fees; Insurance costs	day		\$	100.00	\$
ease Vehicle (Includes taxes and fees; Insurance costs will ental Car Fuel	month per gallon		\$	1,500.00 4.00	\$
ir Travel	Rd Trip/person		\$	500.00	\$
ir Travel - In State - Short Notice (Coach) ir Travel - In State - 2+ Wks Notice (Coach)	Rd Trip/person Rd Trip/person		\$	600.00 350.00	\$ 
arking	day		\$	25.00	\$
arking oll Charges	week each		\$	100.00 2.00	\$ 
axi/Cab fare	each/person		\$	50.00 150.00	\$
elephone ostage	month each		\$	0.46	\$ 
tandard Postage	letter			45.00	\$
Deernight Mail - letter size Deernight Mail - oversized box	each each		\$	15.00 50.00	\$
overnight Mail - up to 2 lb package	each		\$	75.00	\$
ourier Services hotocopies B/W (8 1/2" X 11")	each each		\$	50.00 0.10	\$
hotocopies B/W (11" X 17")	each each		\$	0.20	\$
hotocopies Color (8 1/2" X 11")	each		\$	1.00 2.00	\$
hotocopies Color (11" X 17") ligital Ortho Plotting	each sheet		\$	18.00	\$ 
lueline Prints (24" X 36")	each		\$	9.00 4.50	\$
ond Paper Plot (Blueline/Blackline) lueline/Blackline Prints (8 1/2" X 11")	linear foot sheet		\$	0.10	\$ 
lueline/Blackline Prints (11" X 17")	sheet		\$	0.20	\$
lueline/Blackline Prints (22" X 34") lots (B/W on Bond)	sheet square foot		\$	9.00	\$ 
lots (B) W On Bond)	square foot		\$	3.00	\$
lots (Color on Photgraphic Paper)	square foot		\$	5.00 250.00	\$
olor Graphics on Foam Board olor Graphics on Foam Board	each square foot		\$	25.00	\$ 
resentation Boards 30" X 40" Color Mounted	each		\$	100.00	\$ 
ellum Plot Nylar Plot	linear foot square foot		\$	10.00	\$ 
Aylars (Half Size)	each		\$	6.00	\$
Mylars (Full Size) Mylar (8 1/2" X 11")	each sheet		\$	12.50 3.00	\$
Nylar (11" X 17")	sheet		\$	6.00	\$
Iylar (22" X 34")	sheet		\$	12.50 500.00	\$
Outside Printing - Reports  eport Binding	each each		\$	6.00	\$ 
lotebooks	each		\$	25.00	\$ 
lewsletter - print, production, mail eproduction of CD/DVD	event each		\$	4,500.00 5.00	\$ 
Ds	each		\$	5.00	\$
ilm - 24 Exp Roll im Processing - 24 Exp Roll	roll roll		\$	5.00 6.00	\$
" X 6" Digital Color Print	picture		\$	0.20	\$
listorical Aerial Images	unit		\$	50.00 500.00	\$
erial Photographs (1" = 500' scale) x Parks & Wildlife Data Request Fees	each each		\$	250.00	\$ 
lazardous Materials Database Search	per search		\$	1,500.00	\$
equired Permit Fees ackhoe Rental	each day		\$	1,000.00	\$ 
PS Receiver	day		\$	100.00	\$
nvironmental Field Supplies (lathes, stakes, urator (Drawer & TX Archaelogical Research	day per project		\$	5,000.00	\$ 
atabase Search (i.e. Texas Online Directory)	each		\$	100.00	\$
lewspaper Advertisement	per publication		\$	2,000.00 100.00	\$
ourt Reporter ourt Reporter (Public Hearings & Transcription)	page day		\$	1,000.00	\$ 
aw Enforcement/Uniform Officer	hour/officer		\$	200.00	\$ 
ranslator (English to Spanish) for Public ranslator (English to Spanish or Sign Language)	event hour		\$	1,000.00 500.00	\$ 
ustodian for Public Involvement	hour/custodian		\$	100.00	\$
ound Technican for Public Involvement Material Production for Public Involvement (handouts,	event event		\$	1,000.00	\$ 
ublic Involvement Facilty Rental	event		\$	3,000.00	\$
udio - Visual Equipment Rental	event		\$	2,000.00 1,000.00	\$
udio - Equipment Rental ublic Notices - Mass Mailing	each 500		\$	1,500.00	\$ 
esktop & Microcomputer w/Plotter	hour		\$	125.00 50.00	\$
Microstation CADD System w/Plotter obotic Total Station	hour day		\$	250.00	\$ 
oat with Motor	day		\$	500.00	\$
PS RTK PS Static	hour hour		\$	30.00 20.00	\$ 
1ap Records	sheet		\$	50.00	\$
ertified Deed Copies eed Copies	sheet sheet		\$	25.00 3.00	\$
erial Film Scanning	per frame		\$	17.50	\$
erial Turns erial Turns	each mile		\$	50.00 5.92	\$
ross Country	mile		\$	5.92	\$ 
Nobilization Fee	each		\$	1,000.00 20.00	\$ 
ilm hotographs	linear foot mile		\$	22.66	\$ 
light Line	mile		\$	5.92	\$
erial Photography Mobilization Fee roject Flight Miles (on project flight miles)	Per Project Per Mile		\$	375.00 30.00	\$ 
olor Film Processing	Per Frame		\$	48.50	\$
ligital Image processing/Film Scanning	Per Frame		\$	28.35	\$ 
axonomy Expert live gear rental per person	hour day		\$	212.00 50.00	\$ 
onsumable field supplies	unit		\$	700.00	\$
ownhole Camera Rental hotocopies (color) 8-1/2 X 11	day each		\$	250.00 0.45	\$ 
ertified Mail	unit		\$	1.50	\$
Meeting supplies (cardstock,nametags,pens, etc.)	unit event		\$	300.00 125.00	\$
efreshments					