

**WORK AUTHORIZATION NO. 2**



**WILLIAMSON COUNTY LONG RANGE TRANSPORTATION CORRIDOR**

**PROJECT:**

**Corridor E-1**

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated March 13, 2017 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Brown & Gay Engineers, Inc. (BGE, Inc.) (the "Engineer").

Part 1. The Engineer will provide the following Engineering Services set forth in Attachment "B" of this Work Authorization.

Part 2. The maximum amount payable for services under this Work Authorization without modification is \$1,742,848.65.

Part 3. Payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the Contract.

Part 4. This Work Authorization shall become effective on the date of final acceptance and full execution of the parties hereto and shall terminate on December 31, 2019. The Engineering Services set forth in Attachment "B" of this Work Authorization shall be fully completed on or before said date unless extended by a Supplemental Work Authorization.

Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

Part 6. County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Work Authorization. Engineer understands and agrees that County's payment of amounts under this Work Authorization is contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to continue to make payments under this Contract. It is further understood and agreed by Engineer that County shall have the right to terminate this Contract at the end of any County fiscal year if the governing body of County does not appropriate sufficient funds as determined by County's budget for the fiscal year in question. County may effect such termination by giving written notice of termination to Engineer.

Part 7. This Work Authorization is hereby accepted and acknowledged below.

EXECUTED this 15<sup>th</sup> day of December, 2017.

ENGINEER:

BROWN & GAY ENGINEERS, INC.

By: Wesley E. Jasek, P.E.  
Signature

Wesley E. Jasek, P.E.  
Printed Name

DIRECTOR OF TRANSPORTATION SYSTEMS  
Title

COUNTY:

Williamson County, Texas

By: [Signature]  
Signature

DAVID GATTE  
Printed Name

County Clerk  
Title

#### LIST OF ATTACHMENTS

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

OK  
12/1/17

Part 7. This Work Authorization is hereby accepted and acknowledged below.

EXECUTED this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

ENGINEER:

BROWN & GAY ENGINEERS, INC.

COUNTY:

Williamson County, Texas

By: Wesley E. Jasek, P.E.  
Signature

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

Wesley E. Jasek, P.E.  
Printed Name

\_\_\_\_\_  
Printed Name

DIRECTOR OF TRANSPORTATION SYSTEMS  
Title

\_\_\_\_\_  
Title

#### LIST OF ATTACHMENTS

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

OK  
M 12/1/20

**Attachment A - Services to be Provided by County**

**ATTACHMENT A**  
**SERVICES TO BE PROVIDED BY THE COUNTY**  
**PRELIMINARY ENGINEERING**  
**FOR PREPARATION OF A DEIS**  
**(Corridor E-1)**

In general, Williamson County and its representatives to their best efforts will render services as follows:

1. Name, business address and phone number of County's project manager.
2. Assistance to the Engineer, as necessary, with obtaining data and information from other local, regional, State and Federal agencies required for this project.
3. Obtain Rights of Entry from landowners that are unwilling to grant access to the Engineer.
4. Provide available appropriate County data on file, plans and specifications that are deemed pertinent to the completion of the work required by the scope of services (including previous hydraulic studies, models, previous reports and studies, available existing traffic counts, and design year traffic projections).
5. Provide available criteria and full information as to the client's requirements for the project. Provide examples of acceptable format for the required deliverables.
6. Provide timely reviews and decisions necessary for the Engineer to maintain the project work schedule. Review recommendations offered by the Engineer, progress of work, and final acceptance of all documents.
7. Submittal of documentation to regulatory agencies for review and comment, when specified.
8. Support project development efforts with stakeholders, coordinate meetings and interface with stakeholders, as needed.
9. Post and maintain project information for public consumption on the County website.
10. Assist with Coordination between the Engineer and the County's other subconsultants.

**Attachment B - Services to be Provided by Engineer**

**ATTACHMENT B**  
**SERVICES TO BE PROVIDED BY THE ENGINEER**  
**PRELIMINARY ENGINEERING FOR PREPARATION OF A DEIS (Corridor E-1)**

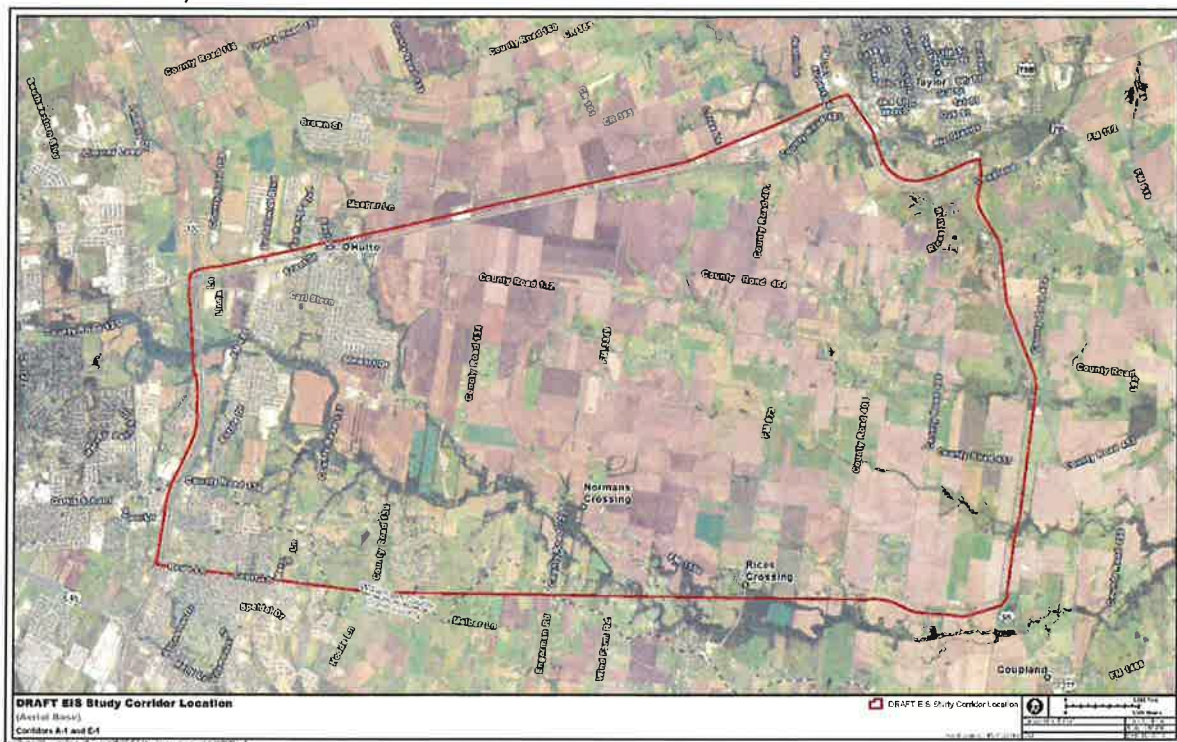
**Project Description**

***Background***

Williamson County is anticipated advancing the current Work Authorizations for Corridor A-1 (KCI) and Corridor E-1 (BGE, Inc.) into route location studies, environmental studies, and public involvement in accordance with the National Environmental Policy Act (NEPA). The classification of the document is anticipated to be an Environmental Impact Statement (EIS). This scope of services assumes the development of the Draft EIS (DEIS) through Notice of Availability and Circulation of the DEIS. The preparation of the Final EIS/Record of Decision (ROD) and a schematic for a recommended alternative are excluded from this scope of services and will be prepared under a separate work authorization.

***Study Area Limits***

The Study Area for this project is generally SH 130 to the west, US 79 to the north, SH 95 to the east, and FM 1660 to the south as depicted on the map below. The project will include the development of an East/West Corridor, approximately 15 miles from SH 130 to SH 95. The project also includes a North/South Corridor, approximately 3 miles in length from US 79 to the East/West Corridor.



### ***TxDOT and NEPA***

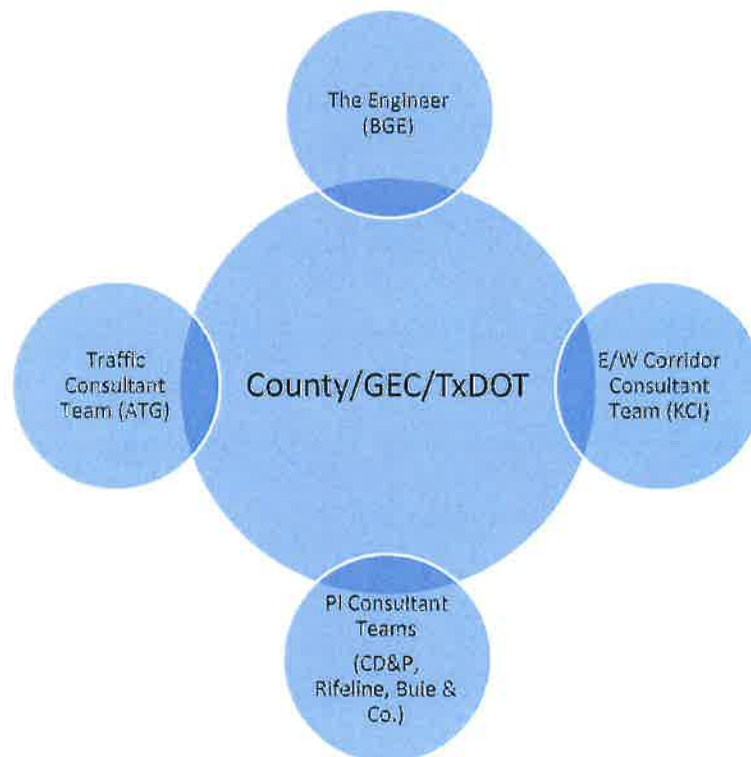
In 2014, FHWA and TxDOT made an agreement that TxDOT would be delegated authority for the implementation of NEPA for transportation projects within the State of Texas pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 16, 2014, and executed by FHWA and TxDOT. TxDOT has developed online Environmental Compliance Toolkits for practices, procedures, and templates to be used in the NEPA compliance documentation process. The Engineer will utilize these NEPA guidelines to perform the work under this contract.

### ***Williamson County and NEPA***

As the Project Sponsor, the County is initiating route location studies, environmental studies, and public involvement for this project. The Engineer will work directly with the County and GEC. It is anticipated that the GEC will coordinate directly with TxDOT. The Engineer will coordinate with TxDOT as appropriate under the direction of the GEC and defined in this scope of services.

### ***Consultant Teams***

Several County Consultant Teams with specific assigned roles and responsibilities will implement this project under separate contracts. This scope of services describes the tasks to be performed by the Engineer and how each Consultant Team will work together.





**Summary of Consultant Teams Roles and Responsibilities:**

<b>TASK</b>	<b>LEAD</b>	<b>SUPPORT</b>
<b>Initial Scoping Tasks</b>	BGE ( <i>N/S Corridor Consultant Team</i> )	KCI ( <i>E/W Corridor Consultant Team</i> )
<b>Public Involvement for DEIS</b>	PI Consultant Teams ( <i>CD&amp;P, Rifeline, Buie &amp; Co.</i> )	BGE KCI
<b>N/S Connection Route Location Studies for the DEIS</b>	BGE	
<b>E/W Connection Route Location Studies for the DEIS</b>	KCI	
<b>N/S Connection Environmental Studies for the Technical Reports</b>	BGE	
<b>E/W Connection Environmental Studies for the Technical Reports</b>	KCI	
<b>Compilation of the Environmental Technical Reports</b>	KCI – Compile N/S and E/W Corridor analysis into one technical report for each discipline.	BGE will conduct analysis, field work, assessment, and mapping for all environmental studies pertaining to the N/S connection route locations. BGE will submit draft Technical Reports for the N/S corridor portion of the project to KCI.  BGE will maintain and track the QA/QC documentation and review process for the Technical Reports.
<b>Preparation of the DEIS</b>	BGE will utilize the approved Technical Reports as the base of the DEIS. BGE will maintain and track the QA/QC documentation and review process for the DEIS.	KCI will support in the preparation of some sections of the DEIS and perform QA/QC of the DEIS.

## **1. PROJECT MANAGEMENT**

### **a. COMMUNICATION:**

- i. Shall designate one Project Manager to be responsible for the project management, and all communications with the County and its representatives.

### **b. MONTHLY PROGRESS REPORTS, INVOICES, AND BILLINGS:**

- i. Submit monthly progress status reports to the GEC. Progress reports will include: tasks completed, tasks/objectives that are planned for the upcoming periods, and lists or descriptions of items or decisions needed from the County and its representatives. Subconsultant progress will be incorporated into the monthly progress report. A copy of the monthly progress report will be uploaded to ProjectWise.
- ii. Prepare correspondence, invoices, and progress reports on a monthly basis in accordance with current County requirements.

### **c. QUALITY ASSURANCE / QUALITY CONTROL PLAN:**

- i. For each deliverable, provide evidence of their internal review and mark-up of that deliverable as preparation for submittal and in accordance with submitted project specific QA/QC plan. A senior technical manager will perform the QA/QC functions. Fee for each deliverable is contained within the corresponding task.
- ii. Provide continuous QA/QC throughout the duration of the scheduled services included herein to appraise both technical and business performance and provide direction for project activities.
- iii. The Engineer will QA/QC internal Environmental Deliverables as well as deliverables from other consultant teams working under a separate contract.

### **d. PROJECT COORDINATION & ADMINISTRATION:**

- i. Prepare and maintain routine project record keeping including records of meetings.
- ii. Correspondence and coordination will be handled through and with the concurrence of the GEC.
- iii. Manage project activities (including documenting emails, phone and conference calls, maintain project files for the length of the project, meeting agendas, meeting minutes, and schedule meetings), direct Engineer's team/staff, correspond with the County and its representatives, and assist the County and its representatives in preparing responses to project-related inquiries.

**e. PROGRESS/COORDINATION MEETINGS (30 external meetings assumed):**

- i. Attend a kickoff meeting and coordination/progress meeting with the County and its representatives and stakeholders, as necessary to communicate development of the project and design issues.
- ii. Attend weekly meetings with the GEC and other County Consultant Teams.
- iii. The GEC will prepare meeting minutes for these weekly calls. The Engineer will provide comments to the meeting minutes within within three business days of receiving the meeting minutes for review.

**f. PROJECT SCHEDULE:**

- i. Maintain a project schedule indicating tasks, subtasks, critical dates, milestones, and deliverables.

**DELIVERABLES:**

- Monthly Invoices and Progress Reports
- Project Specific QA/QC Plan
- Project Schedule

**2. ROUTE LOCATION STUDIES**

For the North/South Corridor, the Engineer will develop and evaluate preliminary route alternatives that are feasible and reasonable in terms of construction and operation. The alternatives will be compared to the No-Build Alternative. The preliminary route alternatives will satisfy the project purpose and need, and be developed in accordance with the latest version of Williamson County criteria, the TxDOT Roadway Design Manual, AASHTO Policy on Geometric Design of Highways and Streets, TxDOT Standard Specifications for Construction of Highways, Streets, and Bridges, Highway Capacity Manual - Transportation Research Board, AASHTO - A Policy on Design Standards Interstate System, and other associated local and TxDOT Manuals, as applicable.

**a. Initial Screening and Evaluation Criteria (up to 10 Preliminary Route Alternatives)**

Within the Study Area, the Engineer will develop evaluation criteria to screen and evaluate preliminary North/South Corridor alternatives both submitted by the Public and developed by the Engineer. It is estimated that no more than 10 initial alternatives will be developed and analyzed at equal level of detail. Land use/land cover calculations will be performed using desktop analysis and published Geographic Information Systems (GIS) databases. This activity will result in a working list of evaluation criteria that will be used to evaluate initial alternatives gathered through public involvement during the previous Corridor Study and other initial alternatives developed by the Engineer. This task will be structured

to encourage a consensus on the measures to be used in the evaluation and selection of Reasonable Alternatives. It will further include categories such as transportation benefits, cost effectiveness, public support, environmental impacts, and constructability. The least viable alternatives, based on this level of analysis, will be eliminated from further consideration. Up to three alternatives will become the Reasonable Alternatives.

**b. Reasonable Screening and Evaluation Criteria (up to Three Reasonable Alternatives)**

The Engineer will pursue comments and ideas for modification of the three Reasonable Alternatives for the North/South Corridors. This will take place with input from stakeholder meetings and public meetings. The Engineer will present a general description of each alternative, the general alignment, overall operating scenarios, and the viability of each alternative to respond to the project's purpose and need.

The Engineer will revise the initial screening and evaluation criteria for use in analyzing the three Reasonable Alternatives for the North/South Corridors based on the input received at the stakeholders and agency scoping meetings. These criteria will focus on engineering and environmental constraints. The three Reasonable Alternatives will be established using these criteria as well as the stated purpose and need. Three Reasonable Alternatives will be selected and advanced for detailed analysis in the DEIS.

**DELIVERABLES:**

- Initial Alternatives Screening Evaluation Matrix for the North/South Corridor Alternatives (up to four versions)
- Reasonable Alternatives Screening Evaluation Matrix for the North/South Corridor Alternatives (up to four versions)
- Draft Alternatives Evaluation Technical Report for the North/South Corridor Alternatives (up to four versions)
- Final Alternatives Evaluation Technical Report for the North/South Corridor Alternatives

**c. PRELIMINARY COST ESTIMATES**

Preliminary cost estimates will be developed utilizing the most current TxDOT statewide and District bid tabs, as applicable for the North/South Corridor Alternatives. Estimates will be developed in present day dollars and escalated to the projected year of construction. The Engineer will develop cursory ("rule of thumb") construction cost estimates for comparison and evaluation of the Reasonable Alternatives developed for the DEIS.

**DELIVERABLES:**

- Draft Preliminary Cost Estimates for the North/South Corridor Alternatives (up to four versions)
- Final Preliminary Cost Estimates for the North/South Corridor Alternatives

### **3. PUBLIC INVOLVEMENT**

#### **a. PUBLIC SCOPING MEETING**

##### **i. Attend up to three Pre-Meetings**

The County's PI Consultant Team will take the lead on initiating Public Meeting pre-meetings with the County, TxDOT, GEC, the Engineer and the County's East/West Consultant Team. The Engineer will attend up to three in-person Public Meeting pre-meetings. The Engineer will not be responsible for preparing the meeting minutes, but will provide input in the development of meeting minutes.

##### **ii. Prepare Exhibits**

The Engineer will prepare exhibits and maps pertaining to the North/South Corridor Alternatives Analysis and Environmental Constraints Analysis. The Engineer will provide up to three different exhibits printed in multiple copies for display at the Public Meeting. The Engineer will submit these exhibits to the GEC and County's PI Consultant Team for review. Up to four rounds of revisions are anticipated.

##### **iii. Attend Public Scoping Meeting**

The Engineer will provide up to eight experienced meeting facilitators to attend the Public Meeting.

#### **b. PUBLIC MEETING 2**

##### **i. Attend up to three Pre-Meetings**

The County's PI Consultant Team will take the lead on initiating Public Meeting pre-meetings with the County, TxDOT, GEC, the Engineer and the County's East/West Consultant Team. The Engineer will attend up to three in-person Public Meeting pre-meetings. The Engineer will not be responsible for preparing the meeting minutes, but will provide input in the development of meeting minutes.

##### **ii. Prepare Exhibits**

The Engineer will prepare exhibits and maps pertaining to North/South Corridor Alternatives Analysis and Environmental Constraints Analysis. The Engineer will provide up to three different exhibits printed in multiple copies for display at the Public Meeting.

The Engineer will submit these exhibits to the GEC and County's PI Consultant Team for review. Up to four rounds of revisions are anticipated.

iii. **Attend Public Meeting**

The Engineer will provide up to eight experienced meeting facilitators to attend the Public Meeting.

**c. ELECTED OFFICIALS AND OTHER INDIVIDUAL STAKEHOLDERS**

The County's PI Consultant Team will take the lead on initiating meetings with elected officials and other individual stakeholders. Other attendees may be representatives from the County, TxDOT, GEC, the Engineer and the County's East/West Consultant Team. The Engineer will attend up to 15 in-person meetings. The Engineer will not be responsible for preparing the meeting minutes, but will provide input in the development of meeting minutes.

**d. STAKEHOLDER GROUPS**

The County's PI Consultant Team will take the lead on initiating stakeholder group meetings. Other attendees may be representatives from the County, TxDOT, GEC, the Engineer and the County's East/West Consultant Team. The Engineer will attend up to 10 in-person meetings with stakeholder groups. The Engineer will not be responsible for preparing the meeting minutes, but will provide input in the development of meeting minutes.

**e. TECHNICAL WORK GROUP (TWG)**

The County's PI Consultant Team will take the lead on initiating technical work group meetings. Other attendees may be representatives from the County, TxDOT, GEC, the Engineer and the County's East/West Consultant Team. The Engineer will attend up to 10 in-person meetings with technical work groups. The Engineer will not be responsible for preparing the meeting minutes, but will provide input in the development of meeting minutes.

**f. COMMUNITY ISSUES COMMITTEE (CIC)**

The County's PI Consultant Team will take the lead on initiating community issues committee meetings. Other attendees may be representatives from the County, TxDOT, GEC, the Engineer and the County's East/West Consultant Team. The Engineer will attend up to 10 in-person meetings with the community issues committee. The Engineer will not be responsible for preparing the meeting minutes, but will provide input in the development of meeting minutes.

**g. PUBLIC HEARING**

iv. **Attend up to three Pre-Meetings**

The County's PI Consultant Team will take the lead on initiating Public Hearing pre-meetings with the County, TxDOT, GEC, the Engineer and

the County's East/West Consultant Team. The Engineer will attend up to three in-person Public Hearing pre-meetings. The Engineer will not be responsible for preparing the meeting minutes, but will provide input in the development of meeting minutes.

v. **Prepare Exhibits**

The Engineer will prepare exhibits and maps pertaining to North/South Corridor Alternatives Analysis and Environmental Constraints Analysis. The Engineer will provide up to three different exhibits printed in multiple copies for display at the Public Hearing. The Engineer will submit these exhibits to the GEC and County's PI Consultant Team for review. Up to four rounds of revisions are anticipated.

vi. **Attend Public Hearing**

The Engineer will provide up to eight experienced meeting facilitators to attend the Public Hearing.

**4. RIGHT OF WAY MAPPING**

[NONE]

**5. SURVEYING**

**a. RIGHT OF ENTRY**

The Engineer will prepare and mail right of entry letters per the County's standard for properties associated with the North/South Reasonable Corridor Alternatives. The Engineer assumes up to 200 individual right of entry letters will be mailed to property owners. The scope of services include one initial mailing and one follow-up mailing to property owners not responding to the initial letter. Only two attempts will be made to contact property owners by mail.

**6. SCHEMATIC DEVELOPMENT**

[NONE]

**7. DRAINAGE STUDY**

[NONE]

**8. ENVIRONMENTAL SERVICES**

**a. QUALITY ASSURANCE/QUALITY CONTROL REVIEW**

Each environmental service provided by the Engineer will have a deliverable. Deliverables will summarize the methods used for the environmental services, and will summarize the results achieved. The summary of results will be sufficiently detailed to provide satisfactory basis for thorough review by the TxDOT and (where applicable) agencies with regulatory oversight. All deliverables will meet regulatory requirements for legal sufficiency.

In accordance with the TxDOT's NEPA MOU, on the cover page of each biological evaluation or assessment, historic properties or cultural resources report, Section 4(f) evaluation, or other analyses prepared under the authority granted by the MOU, the Engineer will insert the following language in a way that is conspicuous to the reader:

"The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried-out by TxDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated, dated December 16, 2014, and executed by FHWA and TxDOT."

For each deliverable, the Engineer will perform quality assurance/quality control (QA/QC) reviews of environmental documents and on other supporting environmental documentation. The Engineer will be responsible for QA/QC of deliverables prepared by the East/West Corridor Consultant Team as defined in this scope of services.

- Deliverables will contain all data acquired during the environmental service. All deliverables will be written to be understood by the public and must be in accordance with current standards, current guidelines, policies and procedures.
- Electronic versions of each deliverable must be written in software which is compatible to the TxDOT and must be provided in a changeable format for future use by the TxDOT. The Engineer will supplement all hard copy deliverables with electronic copies in searchable Adobe Acrobat™ (.pdf) format, unless another format is specified. Each deliverable will be a single, searchable .pdf file that mirrors the layout and appearance of the physical deliverable. The Engineer will deliver the electronic files via email or on CD-R or CD-RW media in Microsoft Windows format.
- The GEC will provide the County's, TxDOT's, and other agency comments on draft deliverables to the Engineer. The Engineer will revise the deliverable.
- A comment response form (matrix) will be included with the revised document using TxDOT Comment/Response Matrix template available on the online Environmental Toolkit.



**b. STYLE GUIDE AND INTERNAL DEIS COORDINATION PLAN**

The Engineer will prepare one Style Guide and Internal DEIS Coordination Plan that will be used by all of the County's Consultant Teams during the preparation of the DEIS. The draft Style Guide and Internal DEIS Coordination Plan will be circulated to the GEC and other County Consultant Teams for review and comment. It is anticipated this deliverable will undergo four round of comment prior to finalization.

**DELIVERABLES:**

- Draft Style Guide and Internal DEIS Coordination Plan (revised based on up to four rounds of comments)
- Final Style Guide and Internal DEIS Coordination Plan

**c. PURPOSE AND NEED STATEMENT**

The Engineer will prepare and refine the draft Purpose and Need Statement per the following guidance.

Need for the Project: The Engineer will identify and describe the proposed action, transportation problem(s), or other needs. The project need(s) will be developed, revised, and refined to establish the rationale for the project. The needs statement will clearly demonstrate that a need exists and will define it in terms understandable to the public.

- The needs statement will describe the problems that the proposed action will correct.
- The needs statement will form the basis for the "no action" discussion in the "alternatives" section, and assist with the identification of reasonable alternatives and the selection of the Recommended Alternative.
- This section will consider the following, either in the main body or as attached exhibits or appendices as applicable:
- Charts, tables, maps, and other illustrations (i.e., typical cross-sections, photographs, etc.) as presentation techniques.
- Project Status: Document and describe the project history, including actions taken to date, other agencies and governmental units involved, actions pending, schedules, etc.
- System Linkage: Is the proposed project a "connecting link"? Document how the proposed action fits into the transportation system.
- Capacity and Mobility Needs: Document and describe capacity concerns. Address capacity and mobility needs.

- **Transportation Demand:** Include relationship to any Statewide plan or adopted urban transportation plan, along with an explanation of the project's traffic forecasts that are substantially different from the estimates from the metropolitan planning organization (MPO) or other regional planning process.
- **Legislation:** Describe and document any federal, TxDOT, or local governmental mandate for the action.
- **Social Demands or Economic Development:** Describe projected economic development/land use changes that indicate the need to improve or add to the highway capacity (new employment, schools, land use plans, recreation, etc.).
- **Modal Interrelationships:** Describe how the proposed action interfaces with and serves to complement the various modes of transportation (airports, rail facilities, port facilities, mass transit services, etc.).
- **Safety:** Address potential safety hazards. Describe how the proposed action will improve safety, if applicable.
- **Roadway Deficiencies:** Describe how the project would correct existing roadway deficiencies (substandard geometrics, load limits on structures, inadequate cross-sections, and high maintenance costs). Describe how the proposed action would improve conditions (if applicable).
- The Engineer will describe the Purpose of the proposed action and how it will address unsatisfactory condition(s).
- The purpose statement begins with defining the solution without being project specific.
- The purpose statement will include a list of objectives that meet each of the needs identified.

**DELIVERABLES:**

- Draft Purpose and Need statement with technical backup materials (revised based on up to six rounds of comments)
- Final Purpose and Need statement with technical backup materials

**d. STUDY AREA**

The Engineer will establish a Study Area boundary based on previous studies, existing roadway corridors, and collected traffic evaluations and projections. The established Study Area will be presented at the first public meeting and used as the basis for the Constraints Map.

**DELIVERABLES:**

- Preliminary Study Area Map
- Refined Study Area Maps (revised based on up to six rounds of comments)
- Final Study Area Map

**e. CONSTRAINTS MAPPING**

The Engineer will utilize data collected during the E-1 Corridor Study to perform this task. The Engineer will develop an ESRI Product-based Geographic Information System (GIS) for the project to maintain and analyze various environmental, planning, and engineering information within the DEIS Study Area. From this GIS, the Engineer will prepare maps that graphically display Study Area characteristics and will be used to analyze and compare potential North/South corridor alternatives. The data collection phase and site reconnaissance visits will begin upon notice to proceed. The Engineer will obtain or update periodically publicly available information.

**DELIVERABLES:**

- Preliminary Environmental Constraints Inventory Map
- Refined Environmental Constraints Inventory Maps (revised based on up to six rounds of comments)
- Final Environmental Constraints Inventory Map

**f. PREPARATION OF NOTICE OF INTENT (NOI)**

The Engineer will prepare the preliminary draft of the NOI and submit to the East/West Corridor Consultant Team for review. The Engineer will submit the draft NOI to the GEC for review. It is anticipated the GEC will circulate the draft NOI for TxDOT District, Environmental Affairs Division, and General Council Division review. The Engineer will address comments from the GEC and TxDOT. The coordination of publication of the NOI and/or the cost of publication of the NOI in the newspaper is excluded from this scope of services.

**DELIVERABLES**

- Draft NOI (revised based on up to six rounds of comments)
- Final NOI

**g. INVITATION FOR PARTICIPATING/COOPERATING AGENCY INVOLVEMENT**

The Engineer will prepare the preliminary draft of the Invitation for Participating/Cooperating Agency Involvement letter and submit to the East/West Corridor Consultant Team for review. The Engineer will submit the draft Invitation for Participating/Cooperating Agency Involvement letter to the GEC for review. It is anticipated the GEC will circulate the draft Invitation for

Participating/Cooperating Agency Involvement letter for TxDOT District, Environmental Affairs Division, and General Council Division review. The Engineer will address comments from the GEC and TxDOT. Once final, the Engineer will mail the letters or send emails inviting entities to be participating or cooperating agencies (not later than 45 days after the publication of the NOI).

**DELIVERABLES**

- Draft letters
- Final letters

**h. COORDINATION PLAN**

The Engineer will prepare the preliminary draft Coordination Plan and submit to the East/West Corridor Consultant Team for review. The Engineer will submit the draft Coordination Plan to the GEC for review. It is anticipated the GEC will circulate the draft Coordination Plan for TxDOT District, Environmental Affairs Division, and General Council Division review. The Engineer will address comments from the GEC and TxDOT. Not later than 90 days after the publication of the NOI, the Engineer will mail letters or send emails transmitting the draft Coordination Plan and schedule to participating/cooperating agencies and solicits comments (comment deadline is 30 days).

**DELIVERABLES**

- Draft Coordination Plan
- Final Coordination Plan
- Circulate Coordination Plan
- Up to three revised versions per comments received at milestone reviews

**i. PREPARATION FOR AGENCY SCOPING MEETING**

The Engineer will be responsible for planning the agency scoping meeting and will lead the following tasks.

- Formulate meeting plan
- Develop agenda, meeting materials, presentation
- Attend pre-meeting with GEC and TxDOT
- Coordinate/Invite attendees/follow-up
- Attend and Conduct meeting
- Prepare Draft Meeting Minutes and Materials
- Prepare Final Meeting Minutes and Materials

It is anticipated that each deliverable will be submitted to the East/West Corridor Consultant Team for review. The Engineer will submit the Agency Scoping Meeting materials to the GEC for review. It is anticipated the GEC will circulate the Agency Scoping Meeting materials for TxDOT District, Environmental Affairs Division, and General Council Division review. The Engineer will address comments from the GEC and TxDOT.

**j. TECHNICAL REPORT PREPARATION (UP TO THREE REASONABLE ALTERNATIVE CORRIDORS)**

**i. Community Impacts Assessment Technical Report**

- **Kick-off Meetings**

The Engineer will conduct a kick-off meeting with the County's East/West Corridor Consultant Team to coordinate approach, Style Guide, technical report template, and other items necessary to ensure consistency between the technical reports produced by each Consultant Team. The Engineer will conduct one meeting with TxDOT's Subject Matter Experts and the GEC. The Engineer will prepare meeting minutes of these meetings and provide a copy to the GEC.

- **Draft Technical Report for North/South Corridors**

The Engineer will prepare a draft TxDOT Community Impact Assessment Form Technical Report for up to three reasonable North/South Alternative Corridors. The Engineer will prepare applicable exhibits for the analysis. The Engineer will conduct community impact investigations in accordance with current Federal and TxDOT rules, regulations, and guidelines. The Engineer will utilize TxDOT guidance provided in the online Environmental Toolkit for this task.

The Engineer will:

- Use available data sources to build a Community Impact Assessment setting for the Study Area. The following issues will be identified:
  - Land Use
  - Existing Land Use Patterns
  - Development Trends
  - Adopted Goals and Policies
  - Farmland
  - Population and Housing
  - Regional Characteristics
  - Neighborhoods

- Environmental justice communities
  - Populations with Limited English Proficiency and the language(s) spoken.
  - Economic Conditions
  - Regional Economy statistics
  - Employment and Income statistics
  - Study Area business activities
  - Fiscal conditions
  - Community Facilities and Services
  - Schools
  - Police and fire protection
  - Access and parking
- Where ROE is granted, perform windshield survey to identify community resources within the Study Area. Document windshield survey by recording observed community resources and taking photographs.
- Create an inventory table of community resources within the Study Area, and corresponding exhibits depicting the locations.
- Coordination
 

The Engineer will provide the draft TxDOT Community Impact Assessment Form Technical Report for the North/South Reasonable Alternative Corridors to the County's East/West Corridor Consultant Team. The County's East/West Consultant Team will be responsible for merging the North/South analysis with the East/West analysis, and combining the technical studies into one Technical Report for the Project.
- QA/QC Review
 

The Engineer will perform a QA/QC review of the combined TxDOT Community Impact Assessment Form Technical Report that was prepared by the County's East/West Consultant Team. The Engineer will perform up to two rounds of review and provide comments using TxDOT's Comment/Response template available on TxDOT's online Environmental Toolkit. The Engineer will submit comments directly to the County's East/West Consultant Team. Once the comments have been reconciled, the Engineer will submit the Technical Report to the GEC.
- Agency Review
 

In conjunction with the County's East/West Consultant Team, the Engineer will address comments to the draft Technical Report for up to six rounds of comments (2 rounds of GEC, 2 rounds of TxDOT Austin

District, and 2 rounds of TxDOT Environmental Affairs Division/Legal Sufficiency Review). The final approved version of the Technical Report will be submitted to the GEC.

ii. Historic Resource Identification, Evaluation, and Documentation Services

The Engineer will perform non-archeological historic-age resource studies related to compliance with Section 106 and Section 110 of the NHPA (36 CFR 800). For the DEIS, Historic Resources studies are limited to the preparation of the Project Coordination Request (PCR) and the Windshield Historic Resources Survey. Identification, evaluation and documentation tasks will be completed in accordance with the following:

- 36 CFR 60 and 43 TAC, Part I, Chapter 2;
- Provisions of the *Archeology and Preservation: Secretary of the Interior's Standards and Guidelines* (48 FR Parts 44716 et seq);
- Requirements used by those of the National Park Service, and previously published in 36 CFR Part 61 (SOI Standards);
- TxDOT Online Environmental Manual; and
- TxDOT Environmental Affairs Division's Environmental Handbook, *Historic Properties* (April 2014).

- Kick-off Meetings

The Engineer will conduct a kick-off meeting with the County's East/West Corridor Consultant Team to coordinate approach, Style Guide, technical report template, and other items necessary to ensure consistency between the technical reports produced by each Consultant Team. The Engineer will conduct one meeting with TxDOT's Subject Matter Experts and the GEC. The Engineer will prepare meeting minutes of these meetings and provide a copy to the GEC.

- Draft PCR for Historic Studies for North/South Corridors

A PCR will be prepared for the project prior to completing any other historic resource activities or documentation of historic-age resources (45 years old or older at the time of letting). The PCR will note what type of survey activities may be required within up to three Reasonable Alternative Corridors. The PCR will also outline each alignment's Area of Potential Effects (APE), which is anticipated to be 300 feet from each of the three North/South Reasonable Alternative Corridors.

- Windshield Historic Resources Survey for North/South Corridors

The Engineer will conduct a windshield historic resources survey within the APE of up to three Reasonable Alternatives. Due to the large

number of anticipated historic-age resources within and abutting the project corridor, the Engineer will meet with TxDOT Environmental Affairs Division (ENV) at the beginning of this task to determine the appropriate level of effort for the windshield analysis efforts.

In consultation with TxDOT-ENV, it is anticipated that the Engineer will conduct fieldwork and take photographs of all historic-age resources within the three corridor alternatives as outlined in TxDOT's Documentation Standard for Windshield Survey Reports of each historic-age resource and any potentially eligible National Register of Historic Places (NRHP) or designated historic resources/districts that within the APEs. The Engineer will prepare a table indicating any anticipated direct effects to potentially potential/designated historic resources/districts, representative photographs of classes of resources that abut the project corridor.

The Windshield Historic Resources Survey Report will include graphic illustrations of the windshield survey findings. If TxDOT-ENV Historical Studies Branch determines this task is unnecessary, the Engineer will not proceed with conducting a windshield survey or producing a Windshield Survey Report.

- **Coordination**  
The Engineer will provide the draft PCR and the Windshield Historic Resources Survey for the three North/South Reasonable Alternative Corridors to the County's East/West Corridor Consultant Team. The County's East/West Consultant Team will be responsible for merging the North/South analysis with the East/West analysis, and combining the technical studies into one Technical Report for the Project.
- **QA/QC Review**  
The Engineer will perform a QA/QC review of the combined PCR and the Windshield Historic Resources Survey that was prepared by the County's East/West Consultant Team. The Engineer will perform up to two rounds of review and provide comments using TxDOT's Comment/Response template available on TxDOT's online Environmental Toolkit. The Engineer will submit comments directly to the County's East/West Consultant Team. Once the comments have been reconciled, the Engineer will submit the Technical Report to the GEC.
- **Agency Review**  
In conjunction with the County's East/West Consultant Team, the Engineer will address comments to the draft Technical Report for up to six rounds of comments (2 rounds of GEC, 2 rounds of TxDOT Austin



District, and 2 rounds of TxDOT Environmental Affairs Division/Legal Sufficiency Review). The final approved version of the Technical Report will be submitted to the GEC.

iii. Archeological Background Studies Technical Report

- Kick-off Meetings

The Engineer will conduct a kick-off meeting with the County's East/West Corridor Consultant Team to coordinate the approach, Style Guide, technical report template, and other items necessary to ensure consistency between the technical reports produced by each Consultant Team. The Engineer will conduct one meeting with TxDOT's Subject Matter Experts and the GEC. The Engineer will prepare meeting minutes of these meetings and provide a copy to the GEC.

- Draft Technical Report for North/South Corridors

The Engineer will prepare a draft Archeological Background Studies Technical Report for up to three reasonable North/South Alternative Corridors. The Engineer will prepare applicable exhibits for the analysis. A pedestrian survey is excluded from this scope of services.

The Engineer will utilize TxDOT guidance provided in the online TxDOT Environmental Toolkit for this task. The Engineer will complete the TxDOT Archeological Background Study Report for up to three Reasonable Alternative Corridors.

To coordinate the project with the TxDOT (TxDOT-ENV Archeological Studies Program), the Engineer will produce a background study for each of the three North/South alternatives that will identify and describe previously recorded archeological resources listed in the NRHP, determined NRHP-eligible, and those with undetermined NRHP eligibility as well as TxDOT Antiquities Landmarks (SALs) and those eligible for nomination as SALs within the APE.

The background study will also define areas of high probability for the presence of intact archeological resources (HPAs) within the APE. The technical study will be produced in accordance with the requirements of 36 CFR 800.4, 43 TAC 1(2)B(2.44), procedures of the First Amended Programmatic Agreement Among the FHWA, TxDOT, THC, and the Advisory Council on Historic Preservation Regarding the Implementation of Transportation Undertakings (PA-TU) to assess the likelihood for the presence of potential archeological historic properties and SALs within the APE of each alternative and make recommendations for further studies, if needed.

The Archeological Background Study Technical Report will involve a desktop review of existing data, including – but not limited to – the Texas Archeological Sites Atlas, geologic maps, soil maps, aerial photographs, and historic maps. Based on this review, recommendations will be made concerning areas within the APE that may require archeological field investigation to evaluate the undertaking's effects on archeological resources and areas in which the undertaking would have no effect on archeological resources. The Archeological Background Study will be produced by a professional archeologist as defined in 36 CFR 61 and 13 TAC 26.4(2) and will conform to current Standards of Uniformity (SOU) for Background Studies, available from the TxDOT.

The Engineer will perform the following activities to complete the Archeological Background Study for each alternative and demonstrate that these activities occurred by providing supporting data to the TxDOT:

- Review site files at the Texas Archeological Research Laboratory (TARL) and the THC to determine whether previously recorded archeological sites are present in the alternative APE. Review of the Texas Archeological Sites Atlas will be used for THC file review unless otherwise approved by the TxDOT.
- If sites are present, consult relevant site forms and archeological reports to determine the characteristics of the sites.
- Produce a clearly reproducible map, based on USGS 7.5' topographic maps, indicating areas where recorded archeological sites are present.
- Review NRCS soil maps, Bureau of Economic Geology geological maps, historic maps, aerial photographs, planning documents, and USGS topographic maps to determine the general characteristics of the Study Area with respect to the identification of areas where preservation of archeological historic properties and SALs is likely and unlikely.
- The Engineer will produce a one-page predictive model for each alternative projecting the likelihood that the undertaking will affect archeological historic properties or SALs. The predictive model will take into account:
  - Known locations of archeological resources in the APE of the three North/South Reasonable Alternatives;
  - Settlement patterns and likely locations for unrecorded archeological resources;
  - Geologic and other conditions that affect the preservation of intact archeological deposits;
  - Results of previous archeological investigations in the area of Reasonable Alternatives.

If requested, the Engineer will identify Native American tribes to be consulted in accord with 36 CFR 800. Unless explicitly approved by FHWA and the TxDOT, the Engineer will not perform consultation with Native American tribes. The TxDOT will initiate consultation with the Native American tribes.

If requested, the Engineer will identify and seek the views of local historical and archeological societies, county historical commissioners, and other interested individuals or organizations, if applicable.

- **Coordination**

The Engineer will provide the draft Archeological Background Studies Technical Report for the three North/South Reasonable Alternative Corridors to the County's East/West Corridor Consultant Team. The County's East/West Consultant Team will be responsible for merging the North/South analysis with the East/West analysis, and combining the technical studies into one Technical Report for the Project.

- **QA/QC Review**

The Engineer will perform a QA/QC review of the combined Archeological Background Studies Technical Report that was prepared by the County's East/West Consultant Team. The Engineer will perform up to two rounds of review and provide comments using TxDOT's Comment/Response template available on TxDOT's online Environmental Toolkit. The Engineer will submit comments directly to the County's East/West Consultant Team. Once the comments have been reconciled, the Engineer will submit the Technical Report to the GEC.

- **Agency Review**

In conjunction with the County's East/West Consultant Team, the Engineer will address comments to the draft Technical Report for up to six rounds of comments (2 rounds of GEC, 2 rounds of TxDOT Austin District, and 2 rounds of TxDOT Environmental Affairs Division/Legal Sufficiency Review). The final approved version of the Technical Report will be submitted to the GEC.

iv. **Air Quality Studies Technical Report**

- **Kick-off Meetings**

The Engineer will conduct a kick-off meeting with the County's East/West Corridor Consultant Team to coordinate the approach, Style Guide, technical report template, and other items necessary to ensure consistency between the technical reports produced by each Consultant Team. The Engineer will conduct one meeting with TxDOT's Subject Matter Experts and the GEC. The Engineer will

prepare meeting minutes of these meetings and provide a copy to the GEC.

- **Draft Technical Report for North/South Corridors**

This scope includes the assessment of the Study Area and up to three North/South Reasonable Alternative Corridors. The scope is based on Williamson County's attainment status and traffic volumes below 140,000 average-daily-traffic (ADT) for the proposed project. If either or both of these assumptions changes, a supplemental services agreement will be required. The air quality analysis will be in accordance with current Federal and TxDOT rules, regulations, and guidelines. The Engineer will utilize guidance provided in the online TxDOT Environmental Toolkit for this task.

The Engineer will:

- Compile air quality background information following the format provided in the TxDOT's recommended text and include:
- A paragraph discussing the attainment status of the county or counties where the Study Area is located.
- A paragraph discussing the National Ambient Air Quality Standards.
- A statement of proposed construction activities.
- Provide the following information for attainment counties in the Technical Report:
  - A statement indicating that the county or counties where the project is located is/are in attainment of all National Ambient Air Quality Standards.
  - A statement indicating whether or not the project has been included in, and is consistent with, the current metropolitan transportation plan (MTP). If it is not consistent with the MTP, contact the TxDOT for further instructions. Either bridging language will need to be used or the project will need to be revised.
  - Qualitative assessment for Mobile Source Air Toxics (MSAT) for a build alternative in accordance with guidance for projects with low potential MSAT effects.

- **Coordination**

The Engineer will provide the draft Air Quality Studies Technical Report for the three North/South Reasonable Alternative Corridors to the County's East/West Corridor Consultant Team. The County's East/West Consultant Team will be responsible for merging the North/South analysis with the East/West analysis, and combining the technical studies into one Technical Report for the Project.

- **QA/QC Review**

The Engineer will perform a QA/QC review of the combined Air Quality Studies Technical Report that was prepared by the County's East/West Consultant Team. The Engineer will perform up to two rounds of review and provide comments using TxDOT's Comment/Response template available on TxDOT's online Environmental Toolkit. The Engineer will submit comments directly to the County's East/West Consultant Team. Once the comments have been reconciled, the Engineer will submit the Technical Report to the GEC.

- **Agency Review**

In conjunction with the County's East/West Consultant Team, the Engineer will address comments to the draft Technical Report for up to six rounds of comments (2 rounds of GEC, 2 rounds of TxDOT Austin District, and 2 rounds of TxDOT Environmental Affairs Division/Legal Sufficiency Review). The final approved version of the Technical Report will be submitted to the GEC.

v. **Traffic Noise Studies Technical Report**

- **Kick-off Meetings**

The Engineer will conduct a kick-off meeting with the County's East/West Corridor Consultant Team to coordinate the approach, Style Guide, technical report template, and other items necessary to ensure consistency between the technical reports produced by each Consultant Team. The Engineer will conduct one meeting with TxDOT's Subject Matter Experts and the GEC. The Engineer will prepare meeting minutes of these meetings and provide a copy to the GEC.

- **Draft Technical Report for North/South Corridors**

This scope includes the assessment of the Study Area and up to three North/South Reasonable Alternative corridors. The scope is based on the assumption that the DEIS will not include a traffic noise analysis (TNM noise modeling) of any of Reasonable Alternatives. The scope is also based on the assumption that there will be only one traffic noise analysis (TNM noise modeling) generated for this project, the Recommended Alternative during the FEIS development. If these assumptions change, a supplemental services agreement will be required.

The Engineer will:

- Research land use plans and perform aerial interpretation of land use utilizing GIS to identify potential noise receivers within the Study Area. Noise receivers are defined as noise sensitive locations

for any of the land use categories described in FHWA's Noise Abatement Criteria (NAC).

- Where ROE is granted, perform windshield survey to confirm the location of the potential noise receivers within the Study Area that were identified through research and aerial interpretation. Document windshield survey by recording the type of land use and taking photographs at these noise sensitive locations.
- Where ROE is granted, take field measurements of existing noise levels at representative locations. Field measurements will be accomplished with sound meters that meet or exceed ANSI S1.4-1983, Type 2.
- Create an inventory table of potential noise receivers within the Study Area, and corresponding exhibits depicting the locations.
- For up to three alternative corridors and the no-build, identify potential noise receivers that could be directly impacted.

The Engineer will conduct traffic noise analysis in accordance with current Federal and TxDOT rules, regulations and guidelines for the Recommended Alternative. The Engineer will utilize TxDOT guidance provided in the TxDOT Environmental Toolkit for this task.

- **Coordination**

The Engineer will provide the draft Traffic Noise Studies Technical Report for the three North/South Reasonable Alternative Corridors to the County's East/West Corridor Consultant Team. The County's East/West Consultant Team will be responsible for merging the North/South analysis with the East/West analysis, and combining the technical studies into one Technical Report for the Project.

- **QA/QC Review**

The Engineer will perform a QA/QC review of the combined Traffic Noise Studies Technical Report that was prepared by the County's East/West Consultant Team. The Engineer will perform up to two rounds of review and provide comments using TxDOT's Comment/Response template available on TxDOT's online Environmental Toolkit. The Engineer will submit comments directly to the County's East/West Consultant Team. Once the comments have been reconciled, the Engineer will submit the Technical Report to the GEC.

- **Agency Review**

In conjunction with the County's East/West Consultant Team, the Engineer will address comments to the draft Technical Report for up to six rounds of comments (2 rounds of GEC, 2 rounds of TxDOT Austin District, and 2 rounds of TxDOT Environmental Affairs Division/Legal

Sufficiency Review). The final approved version of the Technical Report will be submitted to the GEC.

vi. Water Resources Technical Report

- Kick-off Meetings

The Engineer will conduct a kick-off meeting with the County's East/West Corridor Consultant Team to coordinate the approach, Style Guide, technical report template, and other items necessary to ensure consistency between the technical reports produced by each Consultant Team. The Engineer will conduct one meeting with TxDOT's Subject Matter Experts and the GEC. The Engineer will prepare meeting minutes of these meetings and provide a copy to the GEC.

- Draft Technical Report for North/South Corridors

This scope includes the assessment of the Study Area and up to three North/South Reasonable Alternative corridors. The Engineer will utilize the latest Water Resources guidance on TxDOT's online Environmental Toolkit to prepare the Technical Report. The Engineer will perform a site visit for up to three Reasonable Alternatives when ROE can be obtained.

- Coordination

The Engineer will provide the draft Water Resources Technical Report for the three North/South Reasonable Alternative Corridors to the County's East/West Corridor Consultant Team. The County's East/West Consultant Team will be responsible for merging the North/South analysis with the East/West analysis, and combining the technical studies into one Technical Report for the Project.

- QA/QC Review

The Engineer will perform a QA/QC review of the combined Water Resources Technical Report that was prepared by the County's East/West Consultant Team. The Engineer will perform up to two rounds of review and provide comments using TxDOT's Comment/Response template available on TxDOT's online Environmental Toolkit. The Engineer will submit comments directly to the County's East/West Consultant Team. Once the comments have been reconciled, the Engineer will submit the Technical Report to the GEC.

- Agency Review

In conjunction with the County's East/West Consultant Team, the Engineer will address comments to the draft Technical Report for up to six rounds of comments (2 rounds of GEC, 2 rounds of TxDOT Austin

District, and 2 rounds of TxDOT Environmental Affairs Division/Legal Sufficiency Review). The final approved version of the Technical Report will be submitted to the GEC.

vii. Biological Evaluation Form Technical Report

- Kick-off Meetings

The Engineer will conduct a kick-off meeting with the County's East/West Corridor Consultant Team to coordinate the approach, Style Guide, technical report template, and other items necessary to ensure consistency between the technical reports produced by each Consultant Team. The Engineer will conduct one meeting with TxDOT's Subject Matter Experts and the GEC. The Engineer will prepare meeting minutes of these meetings and provide a copy to the GEC.

- Draft Technical Report for North/South Corridors

This scope includes the assessment of the Study Area and up to three North/South Reasonable Alternative corridors. The Engineer will prepare a Biological Evaluation Form and all applicable assessments per TxDOT's online Environmental Toolkit. The Engineer will perform a site visit for up to three Reasonable Alternatives when ROE can be obtained.

- Coordination

The Engineer will provide the draft Biological Evaluation Form Technical Report for the three North/South Reasonable Alternative Corridors to the County's East/West Corridor Consultant Team. The County's East/West Consultant Team will be responsible for merging the North/South analysis with the East/West analysis, and combining the technical studies into one Technical Report for the Project.

- QA/QC Review

The Engineer will perform a QA/QC review of the combined Biological Evaluation Form Technical Report that was prepared by the County's East/West Consultant Team. The Engineer will perform up to two rounds of review and provide comments using TxDOT's Comment/Response template available on TxDOT's online Environmental Toolkit. The Engineer will submit comments directly to the County's East/West Consultant Team. Once the comments have been reconciled, the Engineer will submit the Technical Report to the GEC.

- Agency Review

In conjunction with the County's East/West Consultant Team, the Engineer will address comments to the draft Technical Report for up to



six rounds of comments (2 rounds of GEC, 2 rounds of TxDOT Austin District, and 2 rounds of TxDOT Environmental Affairs Division/Legal Sufficiency Review). The final approved version of the Technical Report will be submitted to the GEC.

viii. Tier I Site Assessment Technical Report

- Kick-off Meetings

The Engineer will conduct a kick-off meeting with the County's East/West Corridor Consultant Team to coordinate the approach, Style Guide, technical report template, and other items necessary to ensure consistency between the technical reports produced by each Consultant Team. The Engineer will conduct one meeting with TxDOT's Subject Matter Experts and the GEC. The Engineer will prepare meeting minutes of these meetings and provide a copy to the GEC.

- Draft Technical Report for North/South Corridors

This scope includes the assessment of the Study Area and up to three North/South Reasonable Alternative corridors. The Engineer will prepare a Tier I Site Assessment Form and all applicable investigations per TxDOT's online Environmental Toolkit. The Engineer will perform a site visit for up to three Reasonable Alternatives when ROE can be obtained.

- Coordination

The Engineer will provide the draft Tier I Site Assessment Technical Report for the three North/South Reasonable Alternative Corridors to the County's East/West Corridor Consultant Team. The County's East/West Consultant Team will be responsible for merging the North/South analysis with the East/West analysis, and combining the technical studies into one Technical Report for the Project.

- QA/QC Review

The Engineer will perform a QA/QC review of the combined Tier I Site Assessment Technical Report that was prepared by the County's East/West Consultant Team. The Engineer will perform up to two rounds of review and provide comments using TxDOT's Comment/Response template available on TxDOT's online Environmental Toolkit. The Engineer will submit comments directly to the County's East/West Consultant Team. Once the comments have been reconciled, the Engineer will submit the Technical Report to the GEC.

- **Agency Review**  
In conjunction with the County's East/West Consultant Team, the Engineer will address comments to the draft Technical Report for up to six rounds of comments (2 rounds of GEC, 2 rounds of TxDOT Austin District, and 2 rounds of TxDOT Environmental Affairs Division/Legal Sufficiency Review). The final approved version of the Technical Report will be submitted to the GEC.
- ix. **Initial Hazardous Materials Site Assessment Technical Report**
- **Kick-off Meetings**  
The Engineer will conduct a kick-off meeting with the County's East/West Corridor Consultant Team to coordinate the approach, Style Guide, technical report template, and other items necessary to ensure consistency between the technical reports produced by each Consultant Team. The Engineer will conduct one meeting with TxDOT's Subject Matter Experts and the GEC. The Engineer will prepare meeting minutes of these meetings and provide a copy to the GEC.
  - **Draft Technical Report for North/South Corridors**  
This scope includes the assessment of the Study Area and up to three North/South Reasonable Alternative corridors. This scope includes the assessment of the Study Area and up to three North/South Reasonable Alternative corridors. The Engineer will prepare an Initial Hazardous Materials Site Assessment and all applicable assessments per TxDOT's online Environmental Toolkit. The Engineer will purchase a regulatory database search for up to three Reasonable Alternatives and perform a site visit when ROE can be obtained.
  - **Coordination**  
The Engineer will provide the draft Initial Hazardous Materials Site Assessment Technical Report for the three North/South Reasonable Alternative Corridors to the County's East/West Corridor Consultant Team. The County's East/West Consultant Team will be responsible for merging the North/South analysis with the East/West analysis, and combining the technical studies into one Technical Report for the Project.
  - **QA/QC Review**  
The Engineer will perform a QA/QC review of the combined Initial Hazardous Materials Site Assessment Technical Report that was prepared by the County's East/West Consultant Team. The Engineer will perform up to two rounds of review and provide comments using TxDOT's Comment/Response template available on TxDOT's online

Environmental Toolkit. The Engineer will submit comments directly to the County's East/West Consultant Team. Once the comments have been reconciled, the Engineer will submit the Technical Report to the GEC.

- **Agency Review**  
In conjunction with the County's East/West Consultant Team, the Engineer will address comments to the draft Technical Report for up to six rounds of comments (2 rounds of GEC, 2 rounds of TxDOT Austin District, and 2 rounds of TxDOT Environmental Affairs Division/Legal Sufficiency Review). The final approved version of the Technical Report will be submitted to the GEC.
- x. **Checklist for Section 4(f) Evaluations**
  - **Kick-off Meetings**  
The Engineer will conduct a kick-off meeting with the County's East/West Corridor Consultant Team to coordinate the approach, Style Guide, technical report template, and other items necessary to ensure consistency between the technical reports produced by each Consultant Team. The Engineer will conduct one meeting with TxDOT's Subject Matter Experts and the GEC. The Engineer will prepare meeting minutes of these meetings and provide a copy to the GEC.
  - **Draft Technical Report for North/South Corridors**  
This scope includes the assessment of the Study Area and up to three North/South Reasonable Alternative corridors. The Engineer will prepare a Checklist for Section 4(f) Evaluations and all applicable investigations per TxDOT's online Environmental Toolkit. The Engineer will perform a site visit for up to three Reasonable Alternatives when ROE can be obtained.
  - **Coordination**  
The Engineer will provide the draft Checklist for Section 4(f) Evaluations for the three North/South Reasonable Alternative Corridors to the County's East/West Corridor Consultant Team. The County's East/West Consultant Team will be responsible for merging the North/South analysis with the East/West analysis, and combining the technical studies into one Technical Report for the Project.
  - **QA/QC Review**  
The Engineer will perform a QA/QC review of the combined Checklist for Section 4(f) Evaluations that was prepared by the County's East/West Consultant Team. The Engineer will perform up to two

rounds of review and provide comments using TxDOT's Comment/Response template available on TxDOT's online Environmental Toolkit. The Engineer will submit comments directly to the County's East/West Consultant Team. Once the comments have been reconciled, the Engineer will submit the Technical Report to the GEC.

- **Agency Review**

In conjunction with the County's East/West Consultant Team, the Engineer will address comments to the draft Technical Report for up to six rounds of comments (2 rounds of GEC, 2 rounds of TxDOT Austin District, and 2 rounds of TxDOT Environmental Affairs Division/Legal Sufficiency Review). The final approved version of the Technical Report will be submitted to the GEC.

xi. **Checklist for Section 6(f) Evaluations**

- **Kick-off Meetings**

The Engineer will conduct a kick-off meeting with the County's East/West Corridor Consultant Team to coordinate the approach, Style Guide, technical report template, and other items necessary to ensure consistency between the technical reports produced by each Consultant Team. The Engineer will conduct one meeting with TxDOT's Subject Matter Experts and the GEC. The Engineer will prepare meeting minutes of these meetings and provide a copy to the GEC.

- **Draft Technical Report for North/South Corridors**

This scope includes the assessment of the Study Area and up to three North/South Reasonable Alternative corridors. The Engineer will prepare a Checklist for Section 6(f) Evaluations and all applicable investigations per TxDOT's online Environmental Toolkit. The Engineer will perform a site visit for up to three Reasonable Alternatives when ROE can be obtained.

- **Coordination**

The Engineer will provide the draft Checklist for Section 6(f) Evaluations for the three North/South Reasonable Alternative Corridors to the County's East/West Corridor Consultant Team. The County's East/West Consultant Team will be responsible for merging the North/South analysis with the East/West analysis, and combining the technical studies into one Technical Report for the Project.

- **QA/QC Review**  
The Engineer will perform a QA/QC review of the combined Checklist for Section 6(f) Evaluations that was prepared by the County's East/West Consultant Team. The Engineer will perform up to two rounds of review and provide comments using TxDOT's Comment/Response template available on TxDOT's online Environmental Toolkit. The Engineer will submit comments directly to the County's East/West Consultant Team. Once the comments have been reconciled, the Engineer will submit the Technical Report to the GEC.
  - **Agency Review**  
In conjunction with the County's East/West Consultant Team, the Engineer will address comments to the draft Technical Report for up to 6 rounds of comments (2 rounds of GEC, 2 rounds of TxDOT Austin District, and 2 rounds of TxDOT Environmental Affairs Division/Legal Sufficiency Review). The final approved version of the Technical Report will be submitted to the GEC.
- xii. **Indirect and Cumulative Impacts Technical Report**
- **Kick-off Meetings**  
The Engineer will conduct a kick-off meeting with the County's East/West Corridor Consultant Team to coordinate the approach, Style Guide, technical report template, and other items necessary to ensure consistency between the technical reports produced by each Consultant Team. The Engineer will conduct one meeting with TxDOT's Subject Matter Experts and the GEC. The Engineer will prepare meeting minutes of these meetings and provide a copy to the GEC.
  - **Draft Technical Report for North/South Corridors**  
This scope includes the assessment of the Study Area and up to three North/South Reasonable Alternative corridors. The Engineer will prepare an Indirect and Cumulative Impacts Technical Report and all applicable investigations per TxDOT's online Environmental Toolkit. The Engineer will perform a site visit for up to three Reasonable Alternatives when ROE can be obtained.
  - **Coordination**  
The Engineer will provide the draft Indirect and Cumulative Impacts Technical Report for the three North/South Reasonable Alternative Corridors to the County's East/West Corridor Consultant Team. The County's East/West Consultant Team will be responsible for merging the North/South analysis with the East/West analysis, and combining the technical studies into one Technical Report for the Project.

- **QA/QC Review**  
The Engineer will perform a QA/QC review of the combined Indirect and Cumulative Impacts Technical Report that was prepared by the County's East/West Consultant Team. The Engineer will perform up to two rounds of review and provide comments using TxDOT's Comment/Response template available on TxDOT's online Environmental Toolkit. The Engineer will submit comments directly to the County's East/West Consultant Team. Once the comments have been reconciled, the Engineer will submit the Technical Report to the GEC.
- **Agency Review**  
In conjunction with the County's East/West Consultant Team, the Engineer will address comments to the draft Technical Report for up to six rounds of comments (2 rounds of GEC, 2 rounds of TxDOT Austin District, and 2 rounds of TxDOT Environmental Affairs Division/Legal Sufficiency Review). The final approved version of the Technical Report will be submitted to the GEC.

**k. DEIS PREPARATION AND FORMAT**

The Engineer will prepare a DEIS for the project. The DEIS will be all inclusive of the North/South Corridor and the East/West Corridor Analysis. Approved Technical Reports will be the basis of the DEIS document preparation. Exhibits to be included in report will not exceed 11" by 17," and will be in color. Text pages will be 8.5" by 11". Exhibits will be reproducible via photocopying without loss of legibility. The CEQ regulations at 40 CFR 1502.12 stipulate that the DEIS summary shall stress major conclusions, areas of controversy, and issues to be resolved.

The DEIS will summarize background data and technical analyses to support the concise discussions of the alternatives and their impacts. The DEIS will refer to the approved Technical Reports by reference. The alternatives analysis included in the DEIS will be based on limited field investigations, desktop research, and mapping. The Engineer will prepare the DEIS and include the following topics:

- i. Executive Summary
- ii. Purpose and Need for Action
- iii. Alternatives
- iv. Affected Environment & Environmental Consequences
- v. Indirect and Cumulative
- vi. Summary of Alternatives
- vii. Mitigation and Permitting

- viii. Comments and Coordination
- ix. References
- x. List of Abbreviations
- xi. List of Preparers

The Engineer will prepare the preliminary draft DEIS and submit to the East/West Corridor Consultant Team for review. The Engineer will submit the draft DEIS to the GEC for review. It is anticipated the GEC will circulate the draft DEIS for TxDOT District, Environmental Affairs Division, and General Council Division review. The Engineer will address comments from the GEC and TxDOT.

#### **DELIVERABLES**

- Draft DEIS (revised based on up to six rounds of comments)
- Final DEIS

#### **l. NOTICE OF AVAILABILITY AND CIRCULATION OF DEIS**

The Engineer will prepare the preliminary draft of the NOA of the DEIS and submit to the East/West Corridor Consultant Team for review. The Engineer will submit the draft NOA of the DEIS to the GEC for review. It is anticipated the GEC will circulate the draft NOA of the DEIS for TxDOT District, Environmental Affairs Division, and General Council Division review. The Engineer will address comments from the GEC and TxDOT. The distribution of the NOA to Stakeholders and the cost of publication of the NOA in the newspaper is excluded from this scope of services.

#### **DELIVERABLES**

- Draft NOA (revised based on up to six rounds of comments)
- Final NOA

#### **m. NEPA PROJECT FILE**

The Engineer will establish, track, organize and manage the Project File, which is the written record to demonstrate NEPA compliance. The Engineer will follow TxDOT's *Best Project: Project File Maintenance* document dated September 2015. The Engineer anticipates maintaining the Project File in the GEC's ProjectWise account for this project. The Engineer will also copy the GEC's specific email account created for this project to maintain email records.

### **9. GEOTECHNICAL SERVICES**

[NONE]

### **10. PLAN PREPARATION**

[NONE]

**11. PERMITS**

[NONE]

**12. BIDDING PHASE SERVICES**

[NONE]

**13. CONSTRUCTION PHASE SERVICES**

[NONE]



## **Attachment C - Work Schedule**

Description	Early Start	Early Finish	2018												2019			2020			2021		
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
1. PROJECT MANAGEMENT	01JAN18 *	31DEC19																					
Communication	02JAN18	31DEC19																					
Monthly Invoices	02JAN18	31DEC19																					
Quality Assurance / Quality Control Plan	02JAN18	31DEC19																					
Project Coordination and Administration	02JAN18	31DEC19																					
Progress / Coordination Meetings	02JAN18	31DEC19																					
Project Schedule	02JAN18	31DEC19																					
2. ROUTE LOCATION STUDIES	01JAN18 *	31DEC19																					
Initial Screening and Evaluation Criteria	02JAN18	26MAR18																					
Screening and Evaluation Criteria	27MAR18	31DEC19																					
Preliminary Cost Estimates	27MAR18	31DEC19																					
3. PUBLIC INVOLVEMENT	01JAN18	31DEC19																					
Open House #1		18APR18 A																					
Open House #2		12DEC18 A																					
Elected Officials and other Individual Stakehold	02JAN18	31DEC19																					
Stakeholder Groups	02JAN18	31DEC19																					
Technical Work Group (TWG)	02JAN18	31DEC19																					
Community Issues Committee (CIC)	02JAN18	31DEC19																					
Public Hearing		14AUG19 A																					
5. SURVEYING	01JAN18	31DEC19																					
Right of Entry	02JAN18	31DEC19																					
8. ENVIRONMENTAL SERVICES	01JAN18	31DEC19																					
Quality Assurance / Quality Control Review	02JAN18	31DEC19																					
Style Guide and DEIS Coordination Plan	02JAN18	26MAR18																					
Purpose and Need Statement	02JAN18	07MAY18																					
Study Area	02JAN18	07MAY18																					
Constraints Mapping	02JAN18	07MAY18																					
Preparation of Notice of Intent	02JAN18	26MAR18																					
Invitation for Participating/Cooperating Agency	02JAN18	26MAR18																					
Coordination Plan	02JAN18	11SEP18																					
Preparation for Agency Scoping Meeting	02JAN18	18JUN18																					
Technical Report Preparation (up to 3)	04APR18 A	25APR19																					
Community Impacts Assessment Technical	04APR18 A	06NOV18																					
Historic Resource	04APR18 A	06NOV18																					
Archaeological Background Studies Technical	04APR18 A	06NOV18																					
Air Quality Studies Technical Report	04APR18 A	06NOV18																					
Traffic Noise Studies Technical Report	04APR18 A	06NOV18																					

Start date	01JAN18
Finish date	31DEC19
Data date	01JAN18
Run date	28NOV17
Page number	1A
© Primavera Systems, Inc.	

Attachment C  
Work Schedule  
Corridor E

*OK*

12/1/2017

Description	Early Start	Early Finish	2018												2019				2020				2021			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Water Resources Technical Report	04APR18 A	06NOV18																								
Biological Evaluation Form Technical	04APR18 A	06NOV18																								
Tier I Site Assessment Technical Report	04APR18 A	06NOV18																								
Initial Hazardous Materials Site Assessment	04APR18 A	06NOV18																								
Checklist for Section 4(f) Evaluations	04APR18 A	06NOV18																								
Checklist for Section 6(f) Evaluations	04APR18 A	06NOV18																								
Indirect and Cumulative Impacts Technical	04APR18 A	06NOV18																								
DEIS Preparation and Format	02JAN19 A	30DEC19 A																								
Notice of Availability and Circulation of DEIS	01OCT19 *	31DEC19																								
Project Record	01JAN18	31DEC19																								

Start date	01JAN18
Finish date	31DEC19
Data date	01JAN18
Run date	28NOV17
Page number	2A
© Primavera Systems, Inc.	

Attachment C  
Work Schedule  
Corridor E

M

## **Attachment D - Fee Schedule**

ATTACHMENT D-FEE SCHEDULE (BROWN & GAY ENGINEERS, INC.)

PRIME PROVIDER NAME: BROWN & GAY ENGINEERS, INC.  
Williamson County  
PROJECT NAME: Corridor E-1  
WAZ2

FUNCTION CODE	Corridor E-1																	
	BGE		A/G		IG		POZ		AMA		CAM		CDP		HVJ		TOTAL	
1. Project Management	HOURS	FEES	HOURS	FEES	HOURS	FEES	HOURS	FEES	HOURS	FEES	HOURS	FEES	HOURS	FEES	HOURS	FEES	HOURS	FEES
2. Route and Design Studies	800	\$161,600.00															1082	\$201,402.46
3. Public Involvement	1,836	\$300,120.00															1836	\$300,120.00
4. Right of Way Mapping	946	\$161,800.00															946	\$161,800.00
5. Surveying	0	\$0.00															0	\$0.00
6. Schedule Development	212	\$25,240.00															212	\$25,240.00
7. Drainage Study	0	\$0.00															0	\$0.00
8. Environmental Services	0	\$0.00															0	\$0.00
9. Geotechnical Services	5,132	\$668,820.00															9266	\$1,011,062.56
10. Plan Preparation	0	\$0.00															0	\$0.00
11. Permits	0	\$0.00															0	\$0.00
12. Bidding Phase Services	0	\$0.00															0	\$0.00
13. Construction Phase Services	0	\$0.00															0	\$0.00
14. Deliverables	0	\$0.00															0	\$0.00
ODE	0	\$21,314.00															0	\$0.00
TOTAL	8,926	\$1,338,894.00	0	\$0	0	\$0	1,176	\$165,586.65	3,240	\$248,368.00	0	\$0	0	\$0	0	\$0	13,342	\$1,742,848.65

LEGEND:  
Brown and Gay Engineers, Inc  
Alliance Transportation Group  
Inland Geodetics  
Poznecki-Camarillo, Inc.  
Ana Terra Environmental, Inc.  
Camurian Environmental  
Concept Development & Planning  
HVJ Associates, Inc.

BGE  
ATG  
IG  
POZ  
AMA  
CAM  
GDP  
HVJ

## PRIME PROVIDER NAME: BROWN &amp; GAY ENGINEERS, INC.





ATTACHMENT D-FEE SCHEDULE (BROWN & GAY ENGINEERS, INC.)

PRIME PROVIDER NAME: BROWN & GAY ENGINEERS, INC.

TASK DESCRIPTION	PROJECT DIRECTOR	SR PROJECT MANAGER	STRUCT. ENGINEER	SENIOR ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER	SR DESIGN TECH	DESIGN TECH	SR CAD TECH	CAD TECH	ENV. GAGE MANAGER	TASK LEADER	GIS TECH	ENV. SCIENTIST	SURVEY RPLS	SURVEY TECH	SURVEY FIELD CREW	CLINICAL	TOTAL LABOR HRS & COSTS	NO OF DWGS	LABOR HRS PER SHEET
<b>1. SURVEYING</b>																					
1.1. NIGHT OF ENTRY																					
1.2. HOUSE SUB-TOTALS	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	212	
1.3. CONTRACT RATE PER HOUR	260	200	200	200	180	175	140	130	110	85	220	145	100	90	150	105	175	60	312		
1.4. TOTAL LABOR COSTS	\$1,300	\$1,000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,540.00	\$1,075.00	\$600.00	\$810.00	\$2,250.00	\$1,102.50	\$3,037.50	\$1,800.00	\$25,240.00		
1.5. DISTRIBUTION OF STAFFING	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	11.00%	8.87%	16.67%	18.18%	0.00%	0.00%	0.00%	28.57%			
<b>SUBTOTAL 1. SURVEYING</b>																				\$25,240.00	

TASK DESCRIPTION	PROJECT DIRECTOR	SR PROJECT MANAGER	STRUCT. ENGINEER	SENIOR ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER	SR DESIGN TECH	DESIGN TECH	SR CAD TECH	CAD TECH	ENV. GAGE MANAGER	TASK LEADER	GIS TECH	ENV. SCIENTIST	SURVEY RPLS	SURVEY TECH	SURVEY FIELD CREW	CLINICAL	TOTAL LABOR HRS & COSTS	NO OF DWGS	LABOR HRS PER SHEET
<b>2. SCHEMATIC DEVELOPMENT</b>																					
2.1. SCHEMATIC DEVELOPMENT																					
2.2. HOUSE SUB-TOTALS	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2.3. CONTRACT RATE PER HOUR	260	200	200	200	180	175	140	130	110	85	220	145	100	90	150	105	175	60	312		
2.4. TOTAL LABOR COSTS	\$1,300	\$1,000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,540.00	\$1,075.00	\$600.00	\$810.00	\$2,250.00	\$1,102.50	\$3,037.50	\$1,800.00	\$25,240.00		
2.5. DISTRIBUTION OF STAFFING	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	11.00%	8.87%	16.67%	18.18%	0.00%	0.00%	0.00%	28.57%			
<b>SUBTOTAL 2. SCHEMATIC DEVELOPMENT</b>																				\$25,240.00	

TASK DESCRIPTION	PROJECT DIRECTOR	SR PROJECT MANAGER	STRUCT. ENGINEER	SENIOR ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER	SR DESIGN TECH	DESIGN TECH	SR CAD TECH	CAD TECH	ENV. GAGE MANAGER	TASK LEADER	GIS TECH	ENV. SCIENTIST	SURVEY RPLS	SURVEY TECH	SURVEY FIELD CREW	CLINICAL	TOTAL LABOR HRS & COSTS	NO OF DWGS	LABOR HRS PER SHEET
<b>3. DRAINAGE STUDY</b>																					
3.1. DRAINAGE STUDY																					
3.2. HOUSE SUB-TOTALS	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
3.3. CONTRACT RATE PER HOUR	260	200	200	200	180	175	140	130	110	85	220	145	100	90	150	105	175	60	312		
3.4. TOTAL LABOR COSTS	\$1,300	\$1,000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,540.00	\$1,075.00	\$600.00	\$810.00	\$2,250.00	\$1,102.50	\$3,037.50	\$1,800.00	\$25,240.00		
3.5. DISTRIBUTION OF STAFFING	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	11.00%	8.87%	16.67%	18.18%	0.00%	0.00%	0.00%	28.57%			
<b>SUBTOTAL 3. DRAINAGE STUDY</b>																				\$25,240.00	

TASK DESCRIPTION	PROJECT DIRECTOR	SR PROJECT MANAGER	STRUCT. ENGINEER	SENIOR ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER	SR DESIGN TECH	DESIGN TECH	SR CAD TECH	CAD TECH	ENV. GAGE MANAGER	TASK LEADER	GIS TECH	ENV. SCIENTIST	SURVEY RPLS	SURVEY TECH	SURVEY FIELD CREW	CLINICAL	TOTAL LABOR HRS & COSTS	NO OF DWGS	LABOR HRS PER SHEET
<b>4. ENVIRONMENTAL SERVICES</b>																					
4.1. ENVIRONMENTAL SERVICES																					
4.2. HOUSE SUB-TOTALS	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	
4.3. CONTRACT RATE PER HOUR	260	200	200	200	180	175	140	130	110	85	220	145	100	90	150	105	175	60	312		
4.4. TOTAL LABOR COSTS	\$1,300	\$1,000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,540.00	\$1,075.00	\$600.00	\$810.00	\$2,250.00	\$1,102.50	\$3,037.50	\$1,800.00	\$25,240.00		
4.5. DISTRIBUTION OF STAFFING	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	11.00%	8.87%	16.67%	18.18%	0.00%	0.00%	0.00%	28.57%			
<b>SUBTOTAL 4. ENVIRONMENTAL SERVICES</b>																				\$25,240.00	

## PRIME PROVIDER NAME: BROWN &amp; GAY ENGINEERS, INC.

PAGE 4 OF 13



ATTACHMENT D-FEE SCHEDULE (BROWN & GAY ENGINEERS, INC.)

PRIME PROVIDER NAME: BROWN & GAY ENGINEERS, INC.		SUMMARY OF TASKS		TOTAL AMT BY FC		TOTAL COSTS BY FC	

ATTACHMENT D-FEE SCHEDULE (Alliance Transportation Group)

PRIME PROVIDER NAME: Brown & Gay Engineers, Inc.

SUMMARY	
TOTAL COSTS FOR ATG ONLY	\$0.00
NON-SALARY (OTHER DIRECT EXPENSES) FOR ATG ONLY	\$0.00
GRAND TOTAL	\$0.00

# ATTACHMENT D-FEE SCHEDULE (IG)

PRIME PROVIDER NAME: Brown & Gay Engineers, Inc.

SUMMARY	
TOTAL COSTS FOR IG ONLY	\$0.00
NON-SALARY (OTHER DIRECT EXPENSES) FOR IG ONLY	\$0.00
GRAND TOTAL	\$0.00









**ATTACHMENT D-FEE SCHEDULE (CAM)**

**PRIME PROVIDER NAME: Brown & Gay Engineers, Inc.**

SUMMARY	
TOTAL COSTS FOR CAM ONLY	\$0.00
NON-SALARY (OTHER DIRECT EXPENSES) FOR CAM ONLY	\$0.00
GRAND TOTAL	\$0.00



ATTACHMENT D-FEE SCHEDULE (Concept Development & Planning, LLC)

PRIME PROVIDER NAME: Brown & Gay Engineers, Inc.

SUMMARY		
	TOTAL COSTS FOR CDP ONLY	\$ -
	NON-SALARY (OTHER DIRECT EXPENSES) FOR CDP ONLY	\$0.00
	GRAND TOTAL	\$0.00



ATTACHMENT D-FEE SCHEDULE (HVJ)

PRIME PROVIDER NAME: Brown & Gay Engineers, Inc.

SUMMARY	
TOTAL COSTS FOR HVJ ONLY	\$0.00
NON-SALARY (OTHER DIRECT EXPENSES) FOR HVJ ONLY	\$0.00
GRAND TOTAL	\$0.00