

**APPROVED****AI-32265****Purchasing Department****20. B. 2.****CC REGULAR****Meeting Date:** 05/22/2012**Department Head:** Martha Salazar**Submitted By:**

Vangie Garcia, PURCHASING DEPT.

**Department:**

PURCHASING DEPT.

InformationCAPTION

Requesting acceptance and approval of request by Precinct #1 for Supplemental No. 1 through Work Authorization #1 as submitted by TEDSI Infrastructure Group, Inc.-Contract #C-08-227-02-09 for an increase of \$63,808.53 for Mile 6 West from SH-107 to Mile 9 North due to new guidelines-TXDOT and the Federal Highway Administration:

- A. Work Authorization No.1-Exhibit B-Services To Be Provided by Engineer-Scope of Work;
- B. Exhibit C-Work Schedule;
- C. Exhibit D-Fee Schedule

need to be revised with this supplemental request and thus resulting in an increase to the original work authorization amount of \$1,817,940.03 to \$1,881,748.56.

BACKGROUND

Supplemental document previously approved by legal pursuant to its review as to form of contract document back on February 9, 2009-see agenda item #13868.

In accordance with AFA between Co. & TXDOT, Co. is responsible to pay 20% and TXDOT is responsible to pay 80% of total cost of project.

Fiscal Impact**FISCAL YEAR:** 2012**ACCT. #:** 2-1315-431-00-121-039-0-731**FUNDS AVAILABLE Y/N?:** Y**MATCHING FUNDS Y/N?:**BUDGETARY IMPACT:

PO #617534 for TEDSI Infrastructure Group. Funds available as of 5-18-12 to fund Supplemental Agreement #1.

In accordance with AFA between Co & TXDOT, Co. is responsible to pay 20% and TXDOT is responsible to pay 80% of total cost of project.

TXDOT receivable acct is 2-1315-126-20-000-012-0-000 "Due from State-Mile6W (US83-SH 107)"

AttachmentsSupplemental Agreement #1AI#32214 DocumentationPrevious Agenda On Approval Of ContractForm Review

**Inbox**  
Purchasing Department  
Budget & Management

**Reviewed By**  
Marty Salazar  
Merlen P. Munoz

**Date**  
05/10/2012 01:17 PM  
05/10/2012 01:29 PM

Ivan Cantu  
Auditor's Office

Ivan Cantu  
Arcilia Duran

05/18/2012 03:08 PM

05/18/2012 03:16 PM

Form Started By: Vangie Garcia

Started On: 05/08/2012 04:19 PM

Final Approval Date: 05/18/2012

EXHIBIT "F"  
**Supplemental Agreement Form**

CONTRACT NO. C-08-227-02-09  
WORK AUTHORIZATION NO.   1    
SUPPLEMENTAL AGREEMENT NO.   1  

THIS SUPPLEMENTAL AGREEMENT NO. 1 to WORK AUTHORIZATION NO. 1 is made pursuant to the terms and conditions of Article 8 of the Agreement made by and between HIDALGO COUNTY, acting herein by and through the Commissioner's Court, hereinafter called the "Owner", and TEDSI INFRASTRUCTURE GROUP, professional engineers of Mission, Texas, hereinafter called the "Engineer".

**PART 1. Scope of Work.** The purpose Supplemental Agreement to the Work Authorization is to provide services as indicated below:

The scope of services to be provided by the Engineer is identified in ATTACHMENT "B" – *Scope of Services to be Provided by the Engineer* attached hereto.

**PART 2. Fee Proposal.** The Lump Sum Fee Proposal cost for services under this Supplemental Agreement to the Work Authorization is \$63,808.53. This amount is based upon the costs outlined in the *Fee Proposal* attached hereto as ATTACHMENT "D".

**PART 3. Payment.** Compensation and payment to the Engineer for the services established under this Supplemental Agreement to the Work Authorization shall be made in accordance with Articles 5, 6, and 7 of the Agreement.

**PART 4. Funding.** This Supplemental Agreement to Work Authorization No. 1 shall be funded through funding source:

Account No. 2-1315-431-00-121-039-0-841

Requisition No. \_\_\_\_\_

**PART 5. Period of Service.** This Supplemental Agreement to the Work Authorization shall become effective on the date of final acceptance of the parties hereto, and all work associated with this Supplemental Agreement to the Work Authorization shall be performed within the time period identified in the *Work Schedule* attached hereto as ATTACHMENT "C".

**PART 6. Responsibilities and Obligations.** This Supplemental Agreement to the Work Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

**PART 7. Acknowledgement and Confirmation.** Acknowledgement and confirmation by Hidalgo County Precinct No. 1, Commissioner Joel Quintanilla, as to the content and detail of this Supplemental Agreement No. 1 to the Work Authorization No. 1.


**Hidalgo County Precinct No. 1**

By:   
Joel Quintanilla, Commissioner Precinct No. 1

**PART 8 Acceptance and Approval.** This Supplemental Agreement to the Work Authorization is hereby accepted, and approved by Hidalgo Commissioners' Court on 5/22/12 as indicated below and effective as of 22<sup>nd</sup> day of May, 2012.

A purchase order will be issued by the Hidalgo County Purchasing Department after the execution of this document. Issuance of the purchase order will serve as the written Notice to Proceed on this Supplement Agreement No. 1 to Work Authorization No. 1.

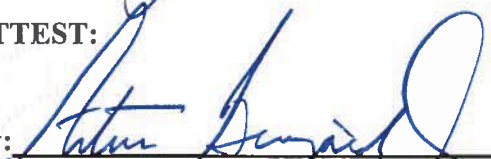
**THE ENGINEER:**  
**TEDSI INFRASTRUCTURE GROUP**

BY:   
Craig F. Stong, P.E. (Vice President)

**THE OWNER:**  
**HIDALGO COUNTY**

  
Ramon Garcia (County Judge)

**ATTEST:**

By:   
Arturo Guajardo Jr., Hidalgo County Clerk

Approved by Commissioners' Court  
on 5/22/12 *RD*

- LIST OF ATTACHMENTS:**  
ATTACHMENT "B" - Services to be Provided by the Engineer  
ATTACHMENT "C" - Work Schedule  
ATTACHMENT "D" - Fee Proposal

Approved As To Form:  
Atlas & Hall, LLP

By: 

CONTRACT NO. C-08-227-02-09  
SUPPLEMENT AGREEMENT NO. 1  
TO  
WORK AUTHORIZATION NO. 1  
MILE 6 WEST ROAD  
SH-107 TO MILE 9 NORTH  
ATTACHMENT "B"

**Scope of Services to be Provided by the Engineer**

The proposed work is to update the environmental assessment (EA) document submitted to TxDOT in 2010. This document will be updated to be in compliance with TxDOT proposed guidance (These requirements will be fully adopted and enforced for all pending environmental documents. The outline for the SOU requirements which are included in the scope below will be posted on TxDOT ENV's website).

- 1) One site visit will be required to revisit the project area by two discipline specialists, a biologist and a planner.
- 2) In addition, the environmental studies, investigations and the EA document will need to be brought to current standards with the Federal Highway Administration's (FHWA) Technical Advisory T6640.8A, TxDOT environmental manual, and current preferred EA outline. Moreover, TxDOT ENV is anticipating the release of the Standards of Uniformity (SOU) for EA's, in which the document will be required to follow, if SOU is approved prior to clearance of this document. The EA report will document the economic, social, and environmental conditions and potential impacts of the proposed project and will include an assessment of one build alternative and the no build alternative.
- 3) Task 1 – Project Management and Coordination
  - a) The Project Manager will direct and coordinate the various elements and activities associated with the development of EA.
  - b) The Project Manager will prepare a graphic project schedule indicating tasks, critical dates, milestones, deliverables and TxDOT review requirements. The project schedule will depict the order of the various tasks, milestones, and deliverables. The Project Manager will review and provide comments on its elements of the schedule when requested to do so.
  - c) The Project Manager will submit monthly Invoices and progress reports.
  - d) The Project Manager will provide ongoing quality assurance and quality control to ensure completeness of product and compliance with TxDOT procedures.
- 4) Task 2 – Update Environmental Assessment to current outline and standards
  - a) Data Collection Process: Readily available environmental information relative to the project area will be updated during research efforts, field surveys, and from appropriate local, state, and federal agencies.
  - b) Environmental Investigations and Assessments
    - i) Cover Sheet.
    - ii) Chapter Headings and Subheadings.
    - iii) List of Figures (include typical sections, schematic).
    - iv) List of Tables

- v) List of Maps (include vicinity and location map on county road map base, and a location map on a USGS 7.5' topographic map base reproduced without enlargement or reduction).
  - vi) List of Exhibits (to support EA).
  - vii) List of Preparers
  - viii) References
  - ix) Acronyms
- c) The EA in the TxDOT-preferred format will be revised and updated as follows:
- i) Need for the Project. The EA shall explain why the Transportation Activity is proposed, including a description of the existing facilities and unsatisfactory conditions to be remedied. The EA shall identify and describe the transportation or other needs which the proposed Transportation Activity is intended to satisfy (e.g., provide system continuity, alleviate traffic congestion, improve safety or roadway unsatisfactory conditions).
  - ii) Purpose of the Proposed Project. The EA will include a clear description of the proposed Transportation Activity and the purpose it would serve. The focus of this description shall be on the basic features of the Transportation Activity without regard to alignment. This description also will include a general description of the proposed location, including city and county, project length, and proposed logical termini. The project location will be illustrated on a map.
  - iii) Objectives of the Project. The EA shall describe the goal(s) or desired outcomes that would be attained if a proposed alternative for the Transportation Activity were implemented. The objectives shall be clearly expressed and useful for identifying the alternative(s) that do and do not warrant consideration as a possible preferred alternative.
  - iv) Focus of This Environmental Analysis.
    - (1) Planning Process. The EA shall provide a brief historic description of the planning, scoping, and public involvement process that resulted in identifying the proposed Transportation Activity. The description shall summarize and reference the agencies and members of the public. The EA shall reference the applicable transportation improvement plan, relevant MPO information from the approved planning documents and conformity language for projects in air quality attainment areas. The project anticipated letting schedule and estimated cost of construction will be provided.
    - (2) Related Studies and Relevant Documents. The EA shall briefly discuss studies and documents containing data or information relevant to the EA. The EA shall only cross-reference relevant work that may affect decisions to be made as part of this proposed Transportation Activity (e.g., biological surveys, adjacent or contiguous Transportation Activities, and other relevant NEPA documents). The EA shall avoid discussions of studies and documents that do not contribute directly to the identification and selection of a preferred alternative.
    - (3) Issues/Resource(s) Studied in Detail. The EA shall include discussions of all relevant issues and resources (as outlined in FHWA Technical Advisory 6640.8A and in this scope) that would be affected by implementation of the proposed Transportation Activity. Discussions shall be introductory in scope. The EA shall briefly explain why each relevant issue and resource may have an impact associated with it. Detailed discussions shall be reserved for the Affected Environment and Environmental Consequences section

of the EA. Issues and resources that will not be affected by implementation of the proposed Transportation Activity are not relevant to this section and shall not be discussed in this section.

- (4) Issues Eliminated From Further Study. Issues and resources that will not be affected by implementation of the proposed Transportation Activity are relevant to this section and shall be discussed in this section of the EA. The EA shall include very brief summaries justifying why potentially affected issue/resource(s) are not of concern as related to the implementation of this Transportation Activity based on studies completed for the particular issue/resource(s) in question. Studies performed for the EA may be referenced or incorporated by reference in the summary. If impacts to habitat or protected species will be an issue discussed in this section of the EA, this section shall contain a habitat description.
- v) Applicable Regulatory Requirements and Required Coordination. The EA shall include only the regulations with which the State must comply regarding the issues studied in detail unless those regulations (e.g., 36 C.F.R. 800) require agency coordination regardless of impacts.
- 5) The EA shall identify alternatives that were considered, but eliminated from detailed study. The Engineer will describe how and why the reasonable alternatives (Build and No-Build) were selected for detailed study.
- a) Process Used to Develop the Project Alternatives. The EA shall discuss the No-Build alternative. All reasonable alternatives considered shall be examined against the No-Build baseline and shall be discussed at equal levels of detail to provide an equitable comparison based upon the purpose and need and related objectives of the Transportation Activity. On Transportation Activities where a law, executive order, or regulation (e.g., Section 4(f), Executive Order 11990, or Executive Order 11988) mandates an evaluation of avoidance alternatives, the explanation of the Transportation Activity need shall clearly state how the law, executive order, or regulation affects avoidance alternatives or choice of the preferred alternative.
- b) Requirements for and Benefits of Alternatives. The EA shall identify the characteristics that a good alternative being considered should have. These characteristics shall be used as criteria for determining whether each alternative meets the stated purpose, need, and objectives of the Transportation Activity and, therefore, warrants consideration for further study.
- i) Principal Design Requirements. The EA shall include a discussion of required TxDOT or AASHTO design standards that must be implemented as part of the proposed Transportation Activity.
- ii) Desired Design Benefits. The EA shall include a brief discussion of desired design features that would be beneficial as a result of the proposed Transportation Activity.
- iii) Environmental Protection and Enhancement Requirements. The EA shall include a discussion of all reasonable avoidance, minimization, and enhancement efforts made for each of the alternatives considered for further study.
- c) Alternatives Eliminated from Detailed Study. The EA shall discuss only those reasonable alternatives that were considered and provide a relevant justification why they were eliminated from detailed study. The EA shall briefly explain the main reason(s) why an alternative was

eliminated from consideration (e.g., did not meet principal design requirements, did not meet purpose and need, environmental impacts that could not be mitigated).

- d) Detailed Description of Reasonable Alternatives
- i) No-Build Alternative. The EA shall describe the characteristics of the no-build alternative.
  - ii) Reasonable Build Alternative(s). The EA shall individually describe the characteristics of each reasonable build alternative. This section shall be repeated for each reasonable build alternative.
- 6) Update and describe the existing social, economic, and environmental setting for the area affected by the reasonable alternatives. The description will be limited to data, information, issues, and values that will have a bearing on possible impacts, mitigation measures, and on the identification of a preferred alternative. Some resources below may be eliminated from detailed study in the EA. The following provides methods of analyses for resources discussed in Chapter 3.0 of the EA.
- a) Socioeconomic Issues/Environmental Justice/Project Setting/Land Use – The updated U.S. Department of Commerce, Bureau of the Census 2010 information on the census block or lowest available data for the project area will be obtained and summarized. This information will include race/ethnicity, limited English proficiency, income, and other relevant data. Changes in the neighborhoods or community cohesion will be assessed for various social groups in terms of generating new development, changing property values, and accessibility. Impacts on school districts, recreation areas, churches, businesses, and police and fire protection will be assessed, where information is available. Impacts to minority and/or low-income groups due to the implementation of the proposed project will be reviewed. The assessment will conform to FHWA guidance for compliance with Executive Order 12898, Environmental Justice.
    - i) The extent of residential and business displacements (if any) will be discussed for the Build alternative. The estimated number of single-family residential and multi-family residential homes to be displaced (if any) and a summary of the social characteristics of these households will be determined, based on available public information. Impacts on commercial/retail facilities that may be displaced will also be determined.
    - ii) As applicable, this task will address potential changes to local neighborhoods or communities and the effects on community cohesion relating to travel patterns, access, and public safety, particularly as those changes may differently affect various social groups and minorities. In addition, available population and land use study data will be reviewed to assess potential impacts of the proposed project on land use. This assessment of land use will include residential, commercial, industrial, education, open space, roadway ROW, and undeveloped land use categories.
    - iii) Economic impacts on the regional and local economies, such as the effects of the proposed project on development, tax revenues and public expenditures, employment opportunities, accessibility, and retail sales will be discussed. The impacts, both beneficial and adverse, on the economic vitality of existing businesses, business districts, and the resultant impact on the local economy will be described. The impacts will be assessed qualitatively.
  - b) Airway-Highway Clearance - The Engineer will collect and analyze data concerning airports within 20,000 feet of the proposed project.
  - c) Soils/Prime Farmlands - Soils in the area of the proposed project will be described according to the Natural Resources Conservation Service (NRCS). To ensure compliance with the Farmland Protection Policy Act (FPPA), the Engineer will consider proposed project impacts, and if

necessary coordinate with the NRCS and complete the Farmland Conversion Impact Rating Form CPA-106 and submit it to the NRCS for review, if necessary. The NRCS map for Cameron County will be reviewed, and the NRCS list of prime farmland soil types will be reviewed to determine if the proposed project area is potentially subject to the FPPA. If there is a potential for adverse impacts to FPPA lands, the EA will discuss alternative measures to avoid or minimize the impacts.

- d) Beneficial Landscape Practices - The Engineer will address the Executive Memorandum related to Beneficial Landscape Practices.
- e) Invasive Species - The Engineer will address the Executive Order related to Invasive Species.
- f) Essential Fish Habitat - The potential for the proposed project to impact essential fish habitat will be reviewed and discussed.
- g) Vegetation - The vegetation of the project area will be categorized and evaluated according to TxDOT's Memorandum of Agreement (MOA) and Memorandum of Understanding (MOU) with the Texas Parks and Wildlife Department (TPWD).
- h) Wildlife - Wildlife habitat will be evaluated and potential impacts on wildlife will be assessed. Mitigation of possible impacts including habitat loss and fragmentation will be addressed.
- i) Threatened and Endangered Species – Updated data will be obtained from the USFWS and the TPWD (Natural Diversity Database (NDD)) to determine the potential presence or absence of federally listed and proposed endangered or threatened species and critical habitat in the proposed project area. The Engineer will conduct a field survey of the project ROW to determine suitable and non-suitable habitat for the species potentially occurring within the project area. This scope of work does not include the preparation of a Biological Assessment, formal consultation under Section 7 of the Endangered Species Act, or presence/absence surveys.
- j) Cultural Resources:
  - i) Archeological: In 2004, Southern Archaeological Consultants, Inc. carried out an intensive pedestrian cultural resources survey of the project area. No cultural resources were recorded and there are no previously recorded archaeological sites, prehistoric or historic, present within the survey area. No further cultural resource work was recommended. A summary of the archeological investigations will be summarized for the EA and a copy of the letter will be included in an Appendix of the EA.
  - ii) Historic Resources Survey: The site was originally surveyed in ca. 2004 and the APE was determined to be 150 feet. The survey was updated in ca. 2009. It is not anticipated that the historic resources survey would need updating at this time and is not included in the scope of work. Should TxDOT or FHWA require these section of the report to be updated it will be added by supplemental agreement.
- k) Bicycle and Pedestrians - The Engineer will document any impacts to bicycle and pedestrian facilities and services in the area.
- l) Section 4(f) Resources - The Engineer will review available data and perform on-site investigations to ascertain the presence of potential Section 4(f) lands, including public parks, recreation lands, and wildlife and waterfowl refuges that may be impacted by the proposed project. This scope of work does not include a Section 4(f) analysis.

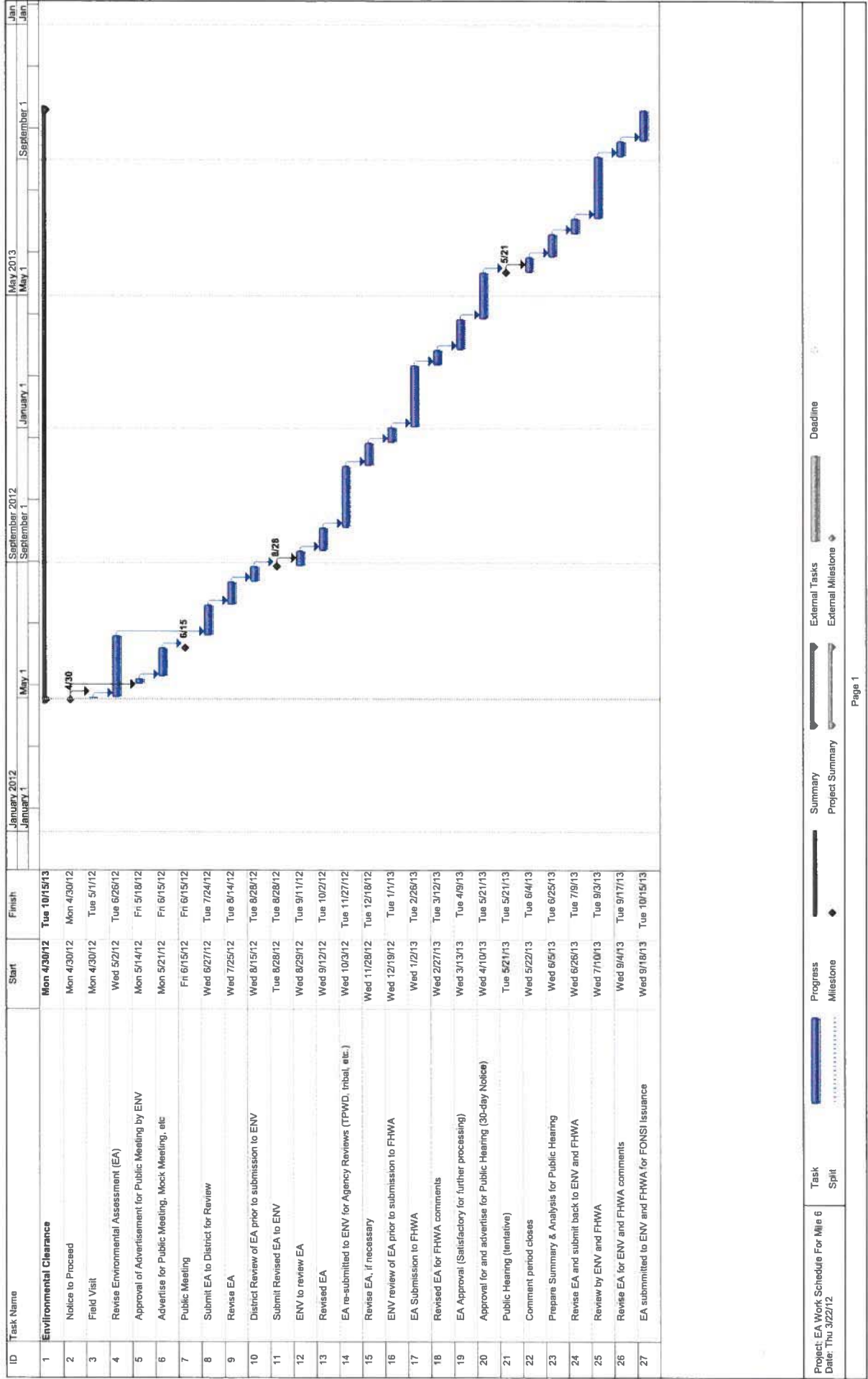
- m) Waters of the U.S. including Wetlands - Coordination was previously initiated with USACE on July 14, 2009. A copy of the letter will be included in an appendix in the EA. A permit from the USACE is not required.
- n) Water Quality - Updated data from the water quality division of the Texas Commission on Environmental Quality (TCEQ) and the U.S. Environmental Protection Agency (EPA) under the Federal Clean Water Act and the Safe Drinking Water Act regarding principal or sole-source aquifers and wellhead protection areas.
- o) Floodplains - National Flood Insurance Program (NFIP) maps will be reviewed to determine what portions of the proposed project area are encumbered by the base (100-year) floodplain. Floodplain encroachment will be described and mitigation measures will be discussed.
- p) Coastal Zone Management – An evaluation of the proposed project relative to the jurisdictional boundary of the Texas Coastal Management Program.
- q) Permits - As the archeology is complete for this project (No Antiquities Permit required) and no U.S. Army Corps of Engineers permit is required, this scope of work does not include the preparation and coordination of any permit applications or notifications.
- r) Traffic Noise – An updated noise analyses using FHWA-approved traffic noise modeling (TNM) software and updated traffic numbers requested from TxDOT will be performed.
- s) Air Quality – The project is located within an area that is considered to be in attainment or unclassifiable for each of the national Ambient Air Quality Standards (NAAQS) and therefore is not subject to the conformity rule. A qualitative Air Quality Analysis will be conducted using MOBILE 6 emission factors and the CALINE 3 line-source dispersion model. CO concentrations will be modeled using updated traffic numbers (estimated time of completion (ETC) year and the design year [ETC plus 20 years]) requested from TxDOT. For Mobile Source Air Toxics, a qualitative assessment of impacts due to vehicle emission of the six priority toxic air pollutants (benzene, 1,3-butadiene, acrolein, acetaldehyde, formaldehyde, and diesel exhaust hydrocarbons and particles) will be performed. A comparison of pollutant production and distribution for the build alternative and locate potential receivers within 100 and 500 meters of the proposed ROW will be performed. The work will be in accordance with the FHWA memo “Interim Guidance Update on Mobile Source Air Toxic Analysis in NEPA Documents,” issued on September 30, 2009, and other TxDOT and FHWA guidance.
- t) Hazardous Materials
  - i) An updated review of the provided records will be performed according to TxDOT standards to identify listed hazardous waste generators; treatment, storage, and disposal facilities; solid waste landfills; unauthorized sites; documented spills; and underground storage tank sites within the proposed project area. Where practicable, during the field investigations, the hazardous materials sites identified in the database search that are adjacent to the project corridor will be visually inspected from public access points for the potential presence of hazardous substances and petroleum products on the subject properties. Identified sites will be located on maps. The current regulatory status of the site will be determined and presented along with the additional investigations that may be recommended based on these findings.
  - ii) This task does not include interviews with any local or adjacent landowners regarding the potential for hazardous materials use or sites. Should the hazardous materials sites review indicate that a Phase I Environmental Site Assessment, sampling, and/or subsurface investigations are warranted, These items would be additional services.

- u) Construction Impacts – Potential adverse impacts associated with construction of the proposed project will be assessed.
  - v) Visual Impacts – An assessment of the existing visual qualities in the study area and identify areas where visual impacts could occur, if any.
  - w) Indirect and Cumulative Impacts – an updated for the identification of indirect and cumulative impacts in accordance with the requirements of TxDOT Guidance on Preparing Indirect and Cumulative Impact Analyses (September 2010) and any other related guidance from FHWA will be performed.
  - x) Summary – A summary section of the EA will be provided.
- 7) A recommendation of the preferred alternative and appropriate mitigation measures (if needed) will be provided.
- 8) Deliverables and EA Review/Revisions
- a) The information above will be compiled into a preliminary draft EA document. A discussion of the need and purpose of the project, alternatives, and reasons for selection of the preferred alternative will be included in the EA. The EA will also include discussions of mitigation measures that may reduce or eliminate identified environmental impacts.
  - b) The EA text will be prepared on an IBM-compatible computer with Microsoft Word software and a CD will be provided, if requested. Exhibits will be limited to 8.5"x 11" format, if possible.
  - c) The following will be provided:
    - i) Two copies of the preliminary draft EA electronic document (V1) for TxDOT-Pharr District for review and comment. Upon receipt of comments, revisions will be made and the additional information needed to complete the items will be incorporated into the draft EA (V2).
    - ii) Three (3) copies of the draft EA document (V2) and electronic copy will be prepared and provided to TxDOT-Pharr District for TxDOT-Environmental Affairs Division (ENV) review.
    - iii) After receiving comments from TxDOT-Environmental Affairs Division (ENV) (round one), revise and provide three (3) copies of the draft EA document (V3) will be prepared to TxDOT-Pharr District for TxDOT-Environmental Affairs Division (ENV) resubmittal.
    - iv) After receiving comments from TxDOT-ENV (round two), revise draft EA document and submit the revised draft to TxDOT-Pharr District for Agency review (V4) (4 copies).
    - v) Revise Draft EA per agency comments.
    - vi) Revise draft EA document and submit 6 copies of the Final Draft EA to FHWA (V5).
    - vii) Revise final draft, if required, and submit 6 copies of the Final EA (V6).
    - viii) Four copies of the Public Meeting and Public Hearing summary report and one electronic copy in PDF format of the summary report will be delivered to TxDOT-Pharr District.

**CONTRACT NO C-08-227-02-09  
SUPPLEMENTAL AGREEMENT NO. 1 TO  
WORK AUTHORIZATION NO. 1**

**ATTACHMENT C  
WORK SCHEDULE**

**TEDSI INFRASTRUCTURE GROUP**



Description of Tasks	Principal	Sr. Engineer/Sr. Env Planner	Env. Scientist (Planner)	Env Scientist (Biologist)	Principal Archeologist	GIS	Admin/Clerical	Total Hours	Total Labor
	\$193.00	\$175.00	\$110.00	\$100.00	\$110.00	\$80.00	\$60.00		
<b>TASK: SITE VISIT</b>									
Field Visit for NEPA Writer	0	0	16	0	0	0	0	16	\$1,760.00
Subtotal	0	0	16	0	0	0	0	16	\$1,760.00
<b>TASK: PROJECT MANAGEMENT</b>									
Project set-up, Direct and coordinate the various elements and activities associated with the EA	0	18	0	0	0	0	4	22	\$3,390.00
Prepare for and attend one meeting to discuss schematic design & public involvement (1 mtg)	0	4	0	0	0	0	0	4	\$700.00
Monthly Invoices and Progress Reports	0	18	0	0	0	0	2	20	\$3,270.00
QA/QC EA at draft, agency reviews and FHWA	0	12	0	0	0	0	0	12	\$2,100.00
Subtotal	0	52	0	0	0	0	6	58	\$9,460.00
<b>TASK: ENVIRONMENTAL ASSESSMENT</b>									
Data Collection	0	0	1	0	0	0	0	1	\$110.00
Need and Purpose	0	0	1	0	0	0	0	1	\$110.00
<b>Alternatives Analysis</b>									
Process used to develop the project alternatives	0	0	2	0	0	0	0	2	\$220.00
Requirements for and benefits of alternatives	0	0	2	0	0	0	0	2	\$220.00
Principal Design Requirements	0	0	2	0	0	0	0	2	\$220.00
Desired Design Benefits	0	0	2	0	0	0	0	2	\$220.00
Environmental Protection and Enhancement Requirements	0	0	2	0	0	0	0	2	\$220.00
Alternatives eliminated from detailed study	0	0	2	0	0	0	0	2	\$220.00
Detailed description of reasonable alternatives	0	0	1	0	0	0	0	1	\$110.00
Objectives of the Project	0	0	2	0	0	0	0	2	\$220.00
Environmental analysis and issues Eliminated from From Further Study	0	0	1	0	0	0	0	1	\$110.00
Planning Process	0	0	2	0	0	0	0	2	\$220.00
Scoping Process	0	0	2	0	0	0	0	2	\$220.00
Public Involvement Process (Summary)	0	0	6	0	0	0	0	6	\$660.00
Related Studies and Relevant Documents	0	0	3	0	0	0	0	3	\$330.00
Issues studied in detail and issues eliminated from further study	0	0	33	0	0	0	0	33	\$3,630.00
Subtotal	0	0	33	0	0	0	0	33	\$3,630.00
<b>TASK: ISSUES STUDIED IN DETAIL</b>									
ROW and property acquisition	0	0	8	0	0	0	0	8	\$880.00
Land Use	0	0	8	0	0	0	0	8	\$880.00
Vegetation Impacts	0	0	0	6	0	0	0	6	\$600.00
Wildlife	0	0	2	4	0	0	0	6	\$620.00
Noise analysis	0	0	32	0	0	0	0	32	\$3,520.00
Soils/Farmlands	0	0	0	0	0	0	0	0	\$0.00
Threatened and Endangered Species	0	0	0	24	0	0	0	24	\$2,400.00
Indirect and Cumulative Analysis	0	0	24	4	0	0	0	28	\$3,040.00
Figures (Land use, Vegetation, ICI RSA's)	0	0	8	0	0	40	0	48	\$4,080.00
Subtotal	0	0	90	38	0	40	0	168	\$16,900.00
<b>TASK: ISSUES ELIMINATED FROM FURTHER DETAIL</b>									
Population and Demographic Characteristics	0	0	8	0	0	0	0	8	\$880.00
Environmental Justice, LEP	0	0	1	0	0	0	0	1	\$110.00
Public Facilities and Services	0	0	1	0	0	0	0	1	\$110.00
Housing	0	0	1	0	0	0	0	1	\$110.00
Community Facilities, Community Cohesion	0	0	1	0	0	0	0	1	\$110.00
Economic and Employment Impacts/Income	0	0	1	0	0	0	0	1	\$110.00
Arway-Highway Clearance	0	0	0	0	0	0	0	0	\$0.00
Beneficial Landscaping/Invasive Species	0	0	1	0	0	0	0	1	\$110.00
Essential Fish Habitat	0	0	1	0	0	0	0	1	\$110.00
Cultural Resources (summarize)	0	0	1	0	2	0	0	3	\$330.00
Bicycles and Pedestrians	0	0	1	0	0	0	0	1	\$110.00
Section 4(f) Resources	0	0	1	0	0	0	0	1	\$110.00
Waters of the U.S. including wetlands, Floodplains, water quality, wild and scenic rivers	0	0	1	0	0	0	0	1	\$110.00
Coastal Zone Management	0	0	1	0	0	0	0	1	\$110.00
Air Quality CO Modeling	0	0	4	0	0	0	0	4	\$440.00
MSAT Analysis	0	0	2	0	0	0	0	2	\$220.00
Hazardous Materials (order database and reassess)	0	0	4	0	0	0	0	4	\$440.00
Construction Impacts	0	0	1	0	0	0	0	1	\$110.00
Visual Impacts	0	0	1	0	0	0	0	1	\$110.00
Prepare exhibits (location map, USGS, floodplain, census tract, type, schematic, etc.)	0	0	1	0	0	8	0	9	\$750.00
Appendices (Photos, Technical Reports, etc.)	0	0	2	0	0	0	8	10	\$700.00
Acronyms, References, List of Preparers	0	0	1	0	0	0	0	1	\$110.00
Subtotal	0	0	36	0	2	8	8	54	\$5,300.00
<b>TASK: PREPARATION OF ENVIRONMENTAL DOCUMENTS</b>									
Prepare Draft EA to TEDSI and City (V0) (2 copies) - address any revisions	0	0	4	0	0	0	8	12	\$920.00
Prepare Draft EA to TxDOT (V1) (2 copies)	0	0	0	0	0	0	2	2	\$120.00
Revisions to Draft EA (per Pharr District)	0	2	32	2	0	8	0	44	\$4,710.00
Draft EA to TxDOT ENV (V2) (3 copies)	0	0	0	0	0	0	8	8	\$480.00
Revisions per ENV (first submittal)	0	4	32	0	0	6	8	50	\$5,180.00
Draft EA to TxDOT ENV (V3) (3 copies)	0	0	2	0	0	0	8	10	\$700.00
Revisions per ENV (second submittal)	0	2	16	0	0	0	8	26	\$2,590.00
Revisions after Agency Review	0	0	4	0	0	0	8	12	\$920.00
Draft EA to FHWA (V4) (4 copies)	0	0	6	0	0	0	8	14	\$1,140.00
Revisions after FHWA Review (V5)	0	1	12	0	0	8	8	29	\$2,615.00
Revise per Public Hearing	0	0	2	0	0	0	0	2	\$220.00
Final Copies (V6) (6 copies)	0	0	2	0	0	0	8	10	\$700.00
Subtotal	0	9	108	2	0	22	66	207	\$19,375.00
Hour Subtotal (Labor)	0	61	283	40	2	70	80	536	\$56,425.00
Cost Subtotal Labor	\$0.00	\$10,675.00	\$31,130.00	\$4,000.00	\$220.00	\$5,600.00	\$4,800.00		

**DIRECT EXPENSES**

Item	Qty	Cost
Meals (\$35/ea. Assume 2 days 1 people )	2	\$70.00
Hotel (\$85/night) - 1 people for 1 night	1	\$85.00
Lodging Taxes (15% of lodging cost)		\$12.75
Copies (8.5" x 11" B&W - \$0.10)	5000	\$500.00
Copies (8.5" x 11" Color - \$0.50)	750	\$375.00
Overnight mail delivery (\$30 per charge)	8	\$240.00
Haz Mat Database	1	\$300.00

**SUBTOTAL (DIRECT EXPENSES) \$1,582.75**

**RABA-KISTNER ENVIRONMENTAL LUMP SUM FEE PROPOSAL**

**\$68,007.75**

**TEDSI INFRASTRUCTURE GROUP LUMP SUM MANAGEMENT FEE PROPOSAL**

**\$5,600.78**

**TOTAL LUMP SUM FEE PROPOSAL FOR WORK AUTHORIZATION NO. 1, SUPPLEMENTAL AGREEMENT NO. 1**

**\$63,808.53**