

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

RESOLUTION NO. 09-08

**183A Northern Extension
RTG Work Authorization No. 2**

WHEREAS, the Central Texas Regional Mobility Authority ("CTRMA") was created pursuant to the request of Travis and Williamson Counties and in accordance with provisions of the Transportation Code and the petition and approval process established in 43 Tex. Admin. Code § 26.01, *et seq.* (the "RMA Rules"); and

WHEREAS, the Board of Directors of the CTRMA has been constituted in accordance with the Transportation Code and the RMA Rules; and

WHEREAS, the first phase of the CTRMA's 183A Project was opened for use on March 3, 2007 with usage significantly above projections; and

WHEREAS, the design and construction of the 183A main lanes north from FM 1431 was anticipated to begin sometime after 2012; however, due to the success of the first phase of the 183A Project, it was determined that such efforts should be undertaken immediately regarding the extension of the main lanes from north of FM 1431 to north of RM 2243 (the "183A Main Lane Extension"); and

WHEREAS, in Resolution No. 08-50, dated August 27, 2008, the Board of Directors authorized the Executive Director and CTRMA staff to negotiate and enter into a Contract for Engineering Services with Rodriguez Transportation Group for design and engineering services related to the 183A Main Lane Extension (the "RTG Contract") and the RTG Contract was finalized and executed; and

WHEREAS, the CTRMA, in coordination with its engineering and financial advisors, has determined that acceleration of the design and engineering services under the RTG Contract may be beneficial in connection with obtaining more favorable permanent financing of the 183A Main Lane Extension, and the scope of such accelerated efforts are set forth in Work Authorization No. 2 for the RTG Contract, substantially in the form set forth in Attachment "A" attached hereto and incorporated herein; and

WHEREAS, HNTB, as the CTRMA's General Engineering Consultant and the Project Manager for the 183A Main Lane Extension, has represented to the Board of Directors and CTRMA staff that the acceleration of the scope of services reflected in Work Authorization No. 2 and the cost thereof are necessary and appropriate for the continued efficient and timely design and completion of the 183A Main Lane Extension.

NOW THEREFORE, BE IT RESOLVED, that the Board of Directors approves Work Authorization No. 2 under the RTG Contract in substantially the form attached hereto as Attachment "A" as it relates to the acceleration of the scope of services to be provided thereunder, provided that any work commenced under Work Authorization No. 2 be subject to the terms and conditions of the RTG Contract.


Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 25th day of February, 2009.

Submitted and reviewed by:



Tom Nielson
General Counsel for the Central
Texas Regional Mobility Authority

Approved:



Robert E. Tesch
Chairman, Board of Directors
Resolution Number 09-08
Date Passed 2/25/09

ATTACHMENT "A"
TO
RESOLUTION NO. 09-08
WORK AUTHORIZATION NO. 2
TO RTG CONTRACT

HNTB Corporation
Engineers Architects Planners

301 Congress Avenue,
Suite 600
Austin, Texas 78701

Telephone (512) 447-5590
Facsimile (512) 447-5329
www.hntb.com

HNTB

Memorandum

TO: Wes Burford, P.E.
Director of Engineering
CTRMA

FROM: Richard L. Ridings, PE, RPLS

DATE: February 12, 2009

SUBJECT: 183A North Extension PS&E – RTG Supplemental Scope and Fee Review

Rodriguez Transportation Group has submitted a Supplemental Scope and Fee to compensate for an accelerated schedule that has been revised from the schedule defined in the original Work Authorization No. 01 for CTRMA Contract No. 09183A24601E.

The additional fee being requested is a result of the following:

HDR, Inc.(Structural):

1. Need to secure additional staff
2. Compensate for overtime pay
3. Compensate for costs associated with travel and lodging for out of town staff
4. Compensate for additional internal coordination time.

Inland Geodetics (Survey):

1. Need to secure additional staff
2. Compensate for overtime pay
3. Compensate for equipment rental fees

Fugro (Geotechnical):

1. Need to secure additional staff
2. Compensate for additional equipment

The proposed supplemental fee is for the amount of **\$259,847.00.**

Based on our review of the scope and fee, I would like to recommend approval of the additional fee to compensate for the accelerated schedule.

Please let me know if you have any questions or concerns.

Cc: Larry Shumway, P.E. HNTB
File

**SUPPLEMENTAL WORK AUTHORIZATION NO. 02
TO WORK AUTHORIZATION NO. 01
CONTRACT FOR ENGINEERING SERVICES**

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

The following terms and conditions of Work Authorization No. 01 are hereby amended as follows:

PART I. The Engineer will perform engineering services generally described as transportation engineering and design services for the 183A North Extension Project. The originally proposed schedule to complete the design services was 260 days from the Notice to Proceed date. The revised design schedule is estimated at 145 day from the Notice to Proceed date as more fully described in below. The accelerated design schedule has resulted in increased cost associated with securing additional resources and equipment and cost associated with overtime pay.

PART II. The maximum amount payable under this Lump Sum Work Authorization is increased by \$ 259,847.00 from \$ 4,933,356.00 to \$ 5,193,203.00. The additional costs are shown in Exhibit D, Fee Schedule, attached hereto.

Part IV. Consultant shall perform the Services and deliver the related Documents (if any) according to the following schedule:

Services under Work Authorization No. 1 and Supplemental Work Authorization No. 1 shall be substantially completed on or before June 1, 2009, in accordance with the Schedule Milestones as shown in EXHIBIT C.

This Supplemental Work Authorization shall become effective on the date of final execution of the parties hereto. All other terms and conditions of Work Authorization No. 02 not hereby amended are to remain in full force and effect.

IN WITNESS WHEREOF, this Supplemental Work Authorization No. 2 is executed in duplicate counterparts and hereby accepted and acknowledged below.

THE ENGINEER

**CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY**

(Signature)

(Printed Name)

(Title)

(Date)

(Signature)

Mike Heiligenstein

Executive Director

(Date)

EXHIBIT A

SERVICES TO BE PROVIDED BY THE AUTHORITY

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

1. Authorize the Engineer in writing to proceed.
2. Render reviews, decisions and approvals as promptly as necessary to allow for the expeditious performance of the Services to be provided by the Engineer.
3. Review and approve the Engineer's progress schedule with milestone activities and/or deliverables identified.
4. Provide timely review and decisions in response to the Engineer's request for information and/or required submittals and deliverables, in order for the Engineer to maintain the agreed-upon work schedule.

EXHIBIT B

SERVICES TO BE PROVIDED BY THE ENGINEER

The Design Consultant Engineer, herein referred to as the "Engineer", shall be responsible for the work described in this Scope of Services.

The additional Scope of Work to be performed by the Engineer under this Supplemental Work Authorization is described as follows:

- Additional staff shall be acquired to assure that the accelerated project schedule will be met. Travel and lodging expenses will be required for some of the added resources.
- Additional project management and coordination effort will be required to properly manage the required additional staff.
- Additional compensation will be required for hours over 40 per week to meeting the accelerated project schedule.

1.04 Geotechnical Investigation

- A. The Engineer shall secure a third party drill rig to assure that the accelerated project schedule is met.
- B. The Engineer shall secure additional staff (EIT Logger) to log behind the drill rig.
- C. The Engineer shall provide additional compensation for qualified personnel for hours over 40 hours per week.

1.05 Supplemental Surveying

- A. The Engineer shall secure additional staff to assure that the accelerated project schedule will be met.
- B. The Engineer shall provide additional compensation for qualified personnel for hours over 40 hours per week.

1.11 Structural Design

- A. The Engineer shall secure additional staff to assure that the accelerated project schedule will be met. Travel and lodging expenses have been added for additional staff.
- B. The Engineer shall provide additional compensation for qualified personnel for hours over 40 hours per week.

1.19 Coordination, Meetings & Invoicing

- A. The Engineer will conduct additional internal design management and coordination to ensure that all design details are progressing in a similar manner to allow for consistent plan documents.
- B. The Engineer will add additional QA/QC staff to assure thorough and quick reviews.
- C. The Prime provider and sub-providers not seeking additional compensation, associated with the accelerated schedule, is based on the following assumptions:
 - There will be a reduced number of project workshops
 - There will be a reduced number of project Bi-weekly design coordination meeting and internal project team meetings.
 - There will be a reduced number of project review meetings.
 - There will be reduced invoicing effort due to the accelerated schedule.

If unexpected circumstances delay the final deliverable date where the assumptions above are no longer applicable, then the Prime provider and the sub-providers who have not requested additional compensation shall be allow to re-evaluate their effort and request additional compensation under a separate supplemental work authorization.

EXHIBIT C

WORK SCHEDULE

The Engineer will perform engineering services described in Work Authorization No. 1 and Supplemental Work Authorization No. 1 and will submit deliverables to the Authority based on the following Work Schedule milestones:

- Transmittal of completed Initial Design.....(47 calendar days) February 23, 2009
- Transmittal of completed 60% Design.....(103 calendar days) April 20, 2009
- Transmittal of completed Final Submittal.....(145 calendar days) June 1, 2009

EXHIBIT D COMPENSATION SUMMARY

CATEGORY	RIS		ROR		K. FRESH		GRAY JARVIS		ALGERIE & FLOREN		M&A		M&S		K. FERRERA		WILSON		FURARD		TOTALS	
	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST
TO GOVERNMENTAL AGENCY COORDINATION	3																					
TO DATA COLLECTION	3																					
TO GEOGRAPHICAL INVESTIGATION	3																					
TO SUPPLEMENTAL SURVEYING	3																					
TO ROOM MAPPING	3																					
TO UTILITY COORDINATION AND DESIGN	3																					
TO INITIAL DESIGN AND DEC	3																					
TO ROUTING DESIGN	3																					
TO DRAINAGE DESIGN	3																					
TO STRUCTURAL DESIGN	3																					
TO UTILITY WALL DESIGN	3																					
TO SIGNOS, MARKINGS AND SIGNALLATION	3																					
TO TRAFFIC CONTROL PLAN	3																					
TO TRAFFIC MARKING WHITE SYSTEMS	3																					
TO ILLUMINATION	3																					
TO FACILITY DESIGN	3																					
TO PROJECT CLOSURE	3																					
TO COORDINATION, MEETINGS & INTERVIEWS	3																					
DIRECT SALARY SUBTOTAL																						
OVERHEAD	1,924%																					
PROFIT	12.0%																					
TOTAL LABOR COST																						
OBJECT EXPENSE																						
OPERATING EXPENSES																						
CONTRIBUTIONS (UNRECORDED)																						
TOTALS																						
OVERHEAD PERCENTAGE																						

CATEGORY	RIS		ROR		K. FRESH		GRAY JARVIS		ALGERIE & FLOREN		M&A		M&S		K. FERRERA		WILSON		FURARD		TOTALS	
	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST
TO GOVERNMENTAL AGENCY COORDINATION	3																					
TO DATA COLLECTION	3																					
TO GEOGRAPHICAL INVESTIGATION	3																					
TO SUPPLEMENTAL SURVEYING	3																					
TO ROOM MAPPING	3																					
TO UTILITY COORDINATION AND DESIGN	3																					
TO INITIAL DESIGN AND DEC	3																					
TO ROUTING DESIGN	3																					
TO DRAINAGE DESIGN	3																					
TO STRUCTURAL DESIGN	3																					
TO UTILITY WALL DESIGN	3																					
TO SIGNOS, MARKINGS AND SIGNALLATION	3																					
TO TRAFFIC CONTROL PLAN	3																					
TO TRAFFIC MARKING WHITE SYSTEMS	3																					
TO ILLUMINATION	3																					
TO FACILITY DESIGN	3																					
TO PROJECT CLOSURE	3																					
TO COORDINATION, MEETINGS & INTERVIEWS	3																					
DIRECT SALARY SUBTOTAL																						
OVERHEAD	1,924%																					
PROFIT	12.0%																					
TOTAL LABOR COST																						
OBJECT EXPENSE																						
OPERATING EXPENSES																						
CONTRIBUTIONS (UNRECORDED)																						
TOTALS																						
OVERHEAD PERCENTAGE																						

RODRIGUEZ TRANSPORTATION GROUP, INC.

TASK	Hourly Rate	SHEETS	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	DESIGN ENGINEER	ENGINEER	ENT	SPECIALIST	SR. ENGR. TECH.	ENGR. TECH.	ADMN.	SUB TOTALS
			\$ 64.00	\$ 61.00	\$ 43.00	\$ 42.00	\$ 37.00	\$ 20.00	\$ 41.00	\$ 37.00	\$ 33.00	\$ 21.00	
1.02 GOVERNMENTAL AGENCY COORDINATION													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
1.03 DATA COLLECTION													
A. Collect, Review and Evaluate Data													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
1.04 GEOTECHNICAL INVESTIGATION													
A. Consultation													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
1.05 SUPPLEMENTAL SURVEYING													
A. Coordination													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
1.06 ROW MAPPING													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
1.07 UTILITY COORDINATION AND DESIGN													
A. Locate existing and proposed utility locations on Roadway Plans and Profiles													
B. Review utility relocations plans for clearance of conflicts													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
1.08 INITIAL DESIGN AND DDC													
B. Schematic Realignments													
1. Horizontal and Vertical Realignments													
2. Vary Vertical Clearances													
3a. Balance cross sections and geometry													
3b. Freeze bridge limits and span arrangements													
3c. Arrange location of O&B, cut locations and the sheet use path													
3d. Development of feasible construction sequence													
4. Coordinate modifications with the GFC													
5. Aspects Applicability Analysis													
F. Develop Proposed Cross Sections													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													

2.487848
 16-Sheet
 BUDGET

RODRIGUEZ TRANSPORTATION GROUP, INC.

TASK	Hourly Rate	SHEETS	PROJECT MANAGER \$	SENIOR ENGINEER \$	PROJECT ENGINEER \$	DESIGN ENGINEER \$	ENGINEER \$	EIT \$	SR. ENGR. SPECIALIST \$	SR. ENGR. TECH. \$	ENGR. TECH. \$	ADMIN. \$	SUB TOTALS
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
1.00 ROADWAY DESIGN													
A. Base Plan Sheets													
1. Project Layout													
2. Benchmark Layout													
B. Right-of-Way & Easements													
1. Proposed Easement Sections													
2. Existing Easement Sections													
3. Easement Plan and Profile													
4. Easement Detail Plan and Profile													
5. Cross Section Plan and Profile													
5a. Cross Section (San Gabriel Parkway and Hecate Blvd.)													
5b. Utility P&P sheets (2 in San Gabriel Parkway, 2 in Hecate and 1 in RM 2243)													
5c. Intersection detail sheets													
6. Ramp Plan and Profile (Temp Ramps at Northern Pines and Brandeis Round)													
7. Ramp Cross Layouts (Temp Ramps at Northern Pines and Brandeis Round)													
8. Horizontal Alignment Data Sheets													
9. Miscellaneous Curve Data Sheets													
10. Sight Triangulation Data Sheets													
11. Shared Use Main Plan and Profile (Coordination)													
C. Grading and Details													
1. Preliminary Grading Sections													
2. Preliminary Shoulder Plan and Profile Sheets													
3. Detailed Grading and Shoulder Details													
4. Detailed Landscape & Planting Plans (Coordination)													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
3.00 DRAINAGE DESIGN													
A. Storm Drainage Analysis Reports													
B. Drainage Impact Study (Coordination)													
C. Bridge and Culvert Plan Sheet (Coordination)													
D. Storm Drain Plan Sheets (Cross Section Coordination)													
E. Inflow Analysis (Coordination)													
F. Storm Water Pollution Prevention Plans (SWPPP) (Coordination)													
G. Water Quality (Cross Section Coordination)													
H. TCEQ Controlling Zone Plan (Coordination)													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
4.00 STRUCTURAL DESIGN													
A. Coordination													

RODRIGUEZ TRANSPORTATION GROUP, INC.

TASK	Hourly Rate:	SHEETS	PROJECT MANAGER \$	SENIOR ENGINEER \$	PROJECT ENGINEER \$	DESIGN ENGINEER \$	ENGINEER \$	ENGINEER \$	EIT \$	Sr. ENGR. SPECIALIST \$	Sr. ENGR. TECH. \$	ENGR. TECH. \$	ADMIN. \$	SUB TOTALS	2.682848 10-Sheet	#DIV/2 #DIV/0 #DIV/0 #DIV/0 #DIV/0
1.2 RETAINING WALL DESIGN																
SUB-TOTAL NUMBER OF SHEETS:																
SUB-TOTAL HOURS:																
SUB-TOTAL LABOR COST:																
A. Retaining Walls																
1. Retaining Wall Determination																
2. Overall Retaining Wall Layout Sheets																
3. Retaining Wall Layout Sheets																
4. Structural details for non-proportional wall designs																
5. Temporary Shoring Notes																
6. Retaining Wall Typical Sections																
7. Retaining Wall Horizontal Alignment Data Sheets																
B. Soil Boring Logs (Continuation)																
C. General Structure Design (Coordinates)																
SUB-TOTAL NUMBER OF SHEETS:																
SUB-TOTAL HOURS:																
SUB-TOTAL LABOR COST:																
1.3 SIGNING, MARKINGS AND SIGNALIZATION																
A. Review Preliminary Signing Plan																
B. Signing and Pavement Marking Layout (Coordination)																
D. Large Sign Details																
E. Check-out Sign Structure Elevations																
I. Large Sign Elevations																
II. Address and Foundation Coordination																
F. Traffic Signal Plans (Coordination)																
I. Temporary Traffic Signal Plan (Coordination)																
SUB-TOTAL NUMBER OF SHEETS:																
SUB-TOTAL HOURS:																
SUB-TOTAL LABOR COST:																
1.4 TRAFFIC CONTROL PLAN																
A. Detailed Traffic Control Plan Sheets																
B. Traffic Control Typical Sections																
C. TCFP Overview Plans																
D. Sequence of Construction Narratives																
F. Traffic Control Details																
H. Construction Schedule																
I. Road Closure Detail Layouts																
SUB-TOTAL NUMBER OF SHEETS:																
SUB-TOTAL HOURS:																

RODRIGUEZ TRANSPORTATION GROUP, INC.

TASK	Hourly Rate	SHEETS	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	DESIGN ENGINEER	ENGINEER	EIT	Sr. ENGR. SPECIALIST	Sr. ENGR. TECH.	ENGR. TECH.	ADMIN.	SUB TOTALS
			\$ 64.00	\$ 81.00	\$ 43.00	\$ 40.00	\$ 37.00	\$ 26.00	\$ 44.00	\$ 37.00	\$ 33.00	\$ 21.00	
1.15 INTELLIGENT TRANSPORTATION SYSTEMS A. 115 Design (Construction)	SUB-TOTAL LABOR COST:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SUB-TOTAL NUMBER OF SHEETS:												
	SUB-TOTAL HOURS:												
1.16 ILLUMINATION A. Construction	SUB-TOTAL LABOR COST:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SUB-TOTAL NUMBER OF SHEETS:												
	SUB-TOTAL HOURS:												
1.17 TOLL FACILITY DESIGN A. Construction	SUB-TOTAL LABOR COST:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SUB-TOTAL NUMBER OF SHEETS:												
	SUB-TOTAL HOURS:												
1.18 MISCELLANEOUS A. Diagrams & Summaries (60% Prof Fee and Print) B. Signards, Specifications and Estimates C. Prepare Specifications and Provisions d. Prepare General Notes E. Construction Cost Estimate	SUB-TOTAL LABOR COST:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SUB-TOTAL NUMBER OF SHEETS:												
	SUB-TOTAL HOURS:												
1.19 COORDINATION, MEETINGS & INVOICING E. O&GC T. O&GC Plan Development	SUB-TOTAL LABOR COST:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SUB-TOTAL NUMBER OF SHEETS:												
	SUB-TOTAL HOURS:												
2.00 CONSTRUCTION PHASE SERVICES A. Construction	SUB-TOTAL LABOR COST:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SUB-TOTAL NUMBER OF SHEETS:												
	SUB-TOTAL HOURS:												
	TOTAL LABOR COST:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	TOTAL HOURS:												
	DIRECT SALARY PLUS OVERHEAD	139.54%											
	PROFIT	12.00%											
	TOTAL LABOR COST												\$ -

RODRIGUEZ TRANSPORTATION GROUP, INC.

TASK	Hourly Rate	SHEETS	PROJECT MANAGER \$	SENIOR ENGINEER \$	PROJECT ENGINEER \$	DESIGN ENGINEER \$	ENGINEER \$	EFF	SJR ENGR SPECIALIST \$	SR ENGR TECH. \$	ENGR TECH. \$	ADMIN. \$	SUB TOTALS
DIRECT EXPENSES: Travel: Mileage Per diem Lodging Copies: Reproduction Molds (mylar) Misc Expenses: Express delivery Postage/Materials													
TOTAL DIRECT EXPENSES:													
RTG ENGINEERING TOTAL COST													
													\$
													\$

2.083848
 Hr/Sheet

HDR ENGINEERING, INC.

TASK	Hourly Rate:	SHEETS	PROJECT MANAGER \$68.00	SENIOR SPECIALIST	SENIOR STRUCTURAL ENGINEER \$61.00	SENIOR PROJECT ENGINEER \$54.00	PROJECT ENGINEER or SR. LAND ARCH \$47.00	ENGINEER \$39.00	EIT \$28.00	SR. ENGR. TECH. or LAND ARCH \$36.00	ENGR. TECH. \$24.00	CLERICAL \$20.00	SUB TOTALS	Ho/Sheet
1.02 GOVERNMENTAL AGENCY COORDINATION														
SUB-TOTAL NUMBER OF SHEETS:														
SUB-TOTAL HOURS:														
SUB-TOTAL DIRECT SALARY COST:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.08 INITIAL DESIGN AND DCC														
D. Schematic Refinements														
Jb. Finalize bridge limits and span arrangements														
6. Prepare and Submit Bridge Layouts														
SUB-TOTAL NUMBER OF SHEETS:														
SUB-TOTAL HOURS:														
SUB-TOTAL DIRECT SALARY COST:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.09 ROADWAY DESIGN														
C. Grading and Details														
4c. Develop Hardscaping Plan Details for two intersections														
4d. Develop Landscape Plan Details for two intersections														
4e. Develop Planter Details for two intersections														
4f. QAVQC Landscape/Hardscape plans														
SUB-TOTAL NUMBER OF SHEETS:														
SUB-TOTAL HOURS:														
SUB-TOTAL LABOR COST:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.11 STRUCTURAL DESIGN														
A.1 Bridge Layouts														
Bridge Layout, Typical Sections, Foundation Layout														
A.2 Bridge Type & Cost Report														
B. Prepare Bridge Calculations for Submittal														
Bridge 1 - NB Mainlines over CR 269														
D. Estimate Quantities/Bearing Seat Elevations														
E. 1. Begin Bridge Abutment Details														
E. 2. End Bridge Abutment Details														
F. 1. One Interior Bent Details														
G.1. Framing Plan - 2 Unit (includes prestressed beam design)														
H.1. Slab Plan - Unit 1														
H.2. Slab Plan - Unit 2														
J. Miscellaneous Details														
SUB-TOTAL NUMBER OF SHEETS:														
SUB-TOTAL HOURS:														
SUB-TOTAL DIRECT SALARY COST:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.12 RETAINING WALL DESIGN														
SUB-TOTAL NUMBER OF SHEETS:														
SUB-TOTAL HOURS:														
SUB-TOTAL DIRECT SALARY COST:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.13 SIGNING, MARKINGS AND SIGNALIZATION														
SUB-TOTAL NUMBER OF SHEETS:														
SUB-TOTAL HOURS:														
SUB-TOTAL DIRECT SALARY COST:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.17 TOLL FACILITY DESIGN														
SUB-TOTAL NUMBER OF SHEETS:														
SUB-TOTAL HOURS:														
SUB-TOTAL DIRECT SALARY COST:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

HDR ENGINEERING, INC.

TASK	Hourly Rate:	SHEETS	PROJECT MANAGER \$68.00	SENIOR SPECIALIST	SENIOR STRUCTURAL ENGINEER \$61.00	SENIOR PROJECT ENGINEER \$54.00	PROJECT ENGINEER or SR. LAND ARCH \$47.00	ENGINEER \$39.00	EIT \$28.00	SR. ENGR. TECH. or LAND ARCH \$36.00	ENGR. TECH. \$24.00	CLERICAL \$20.00	SUB TOTALS	Hr/Sheet
SUB-TOTAL NUMBER OF SHEETS:														
SUB-TOTAL HOURS:														
SUB-TOTAL DIRECT SALARY COST:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
18 MISCELLANEOUS														
5. Construction Costs Estimate														
SUB-TOTAL NUMBER OF SHEETS:														
SUB-TOTAL HOURS:														
SUB-TOTAL DIRECT SALARY COST:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
19 COORDINATION, MEETINGS & INVOICING														
E. Addenda: Project Management and Coordination														
			320									64	384	
F. Design Coordination Meetings														
			64		32	32		32	32	32	32		256	
G. Additional QA/QC Required due to acceleration														
1. Structural QA/QC Reviews														
					60							16	76	
SUB-TOTAL NUMBER OF SHEETS:			384		92	32		32	32	32	32	80	Column Total = 716	
SUB-TOTAL HOURS:			384		92	32		32	32	32	32	80	Row Total = 716	
SUB-TOTAL DIRECT SALARY COST:			\$ 26,112	\$ -	\$ 5,612	\$ 1,728	\$ -	\$ 1,248	\$ 896	\$ 1,152	\$ 768	\$ 1,600	\$ 39,116	
TOTAL NUMBER OF SHEETS:			384		92	32		32	32	32	32	80	Column Total = 716	
TOTAL HOURS:			384		92	32		32	32	32	32	80	Row Total = 716	
DIRECT SALARY COST:			\$ 26,112	\$ -	\$ 5,612	\$ 1,728	\$ -	\$ 1,248	\$ 896	\$ 1,152	\$ 768	\$ 1,600	\$ 39,116	

K FRIESE AND ASSOCIATES, INC.

TASK	Hourly Rate	SHEETS	PROJECT MANAGER	SENIOR SPECIALIST	SENIOR BRIDGE ENGINEER	SENIOR PROJECT ENGINEER	SENIOR ENGINEER	ENGINEER	EST	SR. ENGR. TECH.	ENGR. TECH.	CLERICAL	SUB TOTAL \$
1.02 GOVERNMENTAL AGENCY COORDINATION													
A. Coordination													
1. TxDOT - 1 meeting													
2. City of Cedar Park - 1 meeting													
3. City of Leander - 1 meeting													
4. Williamson County - 1 meeting													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL LABOR COST:													
1.03 DATA COLLECTION													
A. Collect, Review and Evaluate Data													
B. Field Investigations													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL LABOR COST:													
1.04 GEOTECHNICAL INVESTIGATION													
A. Coordination													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL LABOR COST:													
1.05 SUPPLEMENTAL SURVEYING													
A. Coordination													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL LABOR COST:													
1.06 TOP MAPPING													
A. Coordination													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL LABOR COST:													
1.07 UTILITY COORDINATION AND DESIGN													
A. Coordination Meetings													
C. Design changes due to issues													
D. Locate existing and proposed utility locations on drainage plans													
F. Locate existing utility crossings on drainage profiles													
G. Review utility relocation plans for clearance of conduits													
H. Notify GIC of any utility conflicts (existing and/or proposed)													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL LABOR COST:													
1.08 INITIAL DESIGN AND DDC													
A. Review T&E Submission Project Manual													
B. Assist with development of project DSR													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL LABOR COST:													

K FRIESE AND ASSOCIATES, INC.

TASK	Hourly Rate	SHEETS	PROJECT MANAGER	SENIOR SPECIALIST	SENIOR ENGINEER	PROJECT ENGINEER	SENIOR ENGINEER	ENGINEER	ENGR. TECH.	SENIOR ENGR. TECH.	ENGR. TECH.	CLERICAL	SUB TOTALS
C. Review schematic for performance with design criteria													
D. Schematic Refinements													
1. Horizontal and Vertical Refinements													
4. Coordinate modifications with the DEC													
E. Preliminary Cost Estimate													
G. Admin DDC													
1.00 ROADWAY DESIGN													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
A. Basic Plan Sheets (Coordination)													
B. Roadway Plans & Geometry													
6. Ramp Plans and Profiles (SB Ramps Only)													
7. Ramp Lane Layouts (SB Ramps Only)													
8. Horizontal Alignment Data Sheets (Coordination)													
9. Super-elevation Data Sheets (Coordination)													
31. Pedestrian and Bicycle Facility Sheets (Coordination)													
1.10 DRAINAGE DESIGN													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
A. Review Conceptual Drainage & Water Quality Analyses													
B. Drainage Impact Study													
1. Verify Existing System and Outlets													
2. Determine Existing Flows													
3. Evaluate Proposed System and Details													
4. Compute Proposed Flows													
5. Determine Hydrologic Impacts													
6. Evaluate Impacts and Prepare Impact Analysis													
7. Determine Mitigation Alternatives													
8. Develop Mitigation Requirements (if perist)													
9. Project Permitting Coordination													
10. Drainage Report Preparation													
C. Bridge and Culvert Plan Sheets													
1. Prepare Hydraulic Data / Calculations Sheets													
2. Prepare Exterior Drainage Area Maps (1"=100')													
3. Prepare Culvert Layouts (1"=20' H, 1"=20' V)													
D. Storm Drain Plans													
1. Prepare Storm Drain Computation Sheets													
2. Prepare Inlet Area Maps (1"=100')													
3a. Prepare Drainage Plan Sheets (1"=50')													
3b. Prepare Drainage Profile Sheets (1"=50')													
4. Prepare Layout Profile Sheets													
5. Prepare Ditch Layout Schedule													
6. Prepare Miscellaneous Drainage Detail Sheets													
7. Prepare Drainage Facilities													
8. Inlet Protection Determination													
E. Ecor Analysis (4 stream crossings)													

K FRIESE AND ASSOCIATES, INC.

TASK	Hourly Rate	SHEETS	PROJECT MANAGER \$	SENIOR SPECIALIST \$	SENIOR BRIDGE ENGINEER \$	SENIOR PROJECT ENGINEER \$	SENIOR ENGINEER \$	ENGINEER \$	EIT \$	Sr ENGR. TECH. \$	ENGR. TECH. \$	CLERICAL \$	SUB-TOTALS
F. Storm Water Pollution Prevention Plan (SWPP) (Continuation)													2,914.32 Hr/Sheet
G. Water Quality & Detention													
1. Water Quality & Detention Ponds													
a. Water Quality & Detention Pond Layout (1"=50')													
b. Pollution Basin Details (1"=50')													
c. Water Quality standard details													
H. TCEQ Contributing Zone Plan													
1. Contributing Zone Plan													
2. Coordinate with GEC and TCEQ													
3. Respond to TCEQ Comments and submit a final CZP													
I. National Flood Insurance Program (NFIP) Coordination (Provided by GEC)													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
1.1 STRUCTURAL DESIGN													
A. Coordination													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
1.2 RETAINING WALL DESIGN													
A. Retaining Walls Coordination													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
1.3 MISCELLANEOUS													
A. Quotes & Summaries (60% Pre-Final and Final)													
Prepare Summary of Change Quantities													
Prepare Summary of Environmental Quantities													
B. Standards, Specifications and Estimates													
1. Prepare Standards													
2. Prepare and Standard Details (Miscellaneous)													
3. Prepare Standard Notes and Proposals													
4. Prepare General Notes													
5. Construction Costs Estimate													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
1.9 COORDINATION, MEETINGS & WORKING													
A. Project Workshops (assume 4 workshops)													
B. Coordination Meetings													
3. Bi-Weekly Design Coord. Meetings w/ GEC/CASDC (assume 8 meetings)													
2. Internal Coord. Meetings (assume 8 meetings)													
D. Review Meetings and Government Responses (assume 4 meetings)													
E. CASDC													
1. CASDC Plan Development													
2. CASDC Review Workshop													

K FRIESE AND ASSOCIATES, INC.

TASK	Hourly Rate	SHEETS	PROJECT MANAGER	SENIOR SPECIALIST	SENIOR ENGINEER	PROJECT ENGINEER	SENIOR ENGINEER	ENGINEER	BIT	SR. ENGR. TECH.	ENGR. TECH.	CLERICAL	SUB TOTALS
F. Project Assistance to the DEC during the bidding process													2,919.432
G. Investing (including 12 month cycles)													19.524
H. Pre-Bid Meeting													
J. Bid Conclusion Meeting													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
TOTAL NUMBER OF SHEETS:													
TOTAL HOURS:													
TOTAL LABOR COST:													
DIRECT SALARY PLUS OVERHEAD PROFIT													
TOTAL LABOR COST													
DIRECT EXPENSES:													
Travel:													
Meals:													
Per diem:													
Lodging:													
Copies:													
Reproduction:													
Media (TV/R):													
Misc Expenses:													
Express delivery:													
Research Materials:													
TOTAL DIRECT EXPENSES:													
K. FRIESE ENGINEERING TOTAL COST													

GRAY JANSING & ASSOCIATES, INC.

TASK	Hourly Rate	SHEETS	PROJECT MANAGER	SENIOR SPECIALIST	SENIOR BRIDGE ENGINEER	SENIOR PROJECT ENGINEER	SENIOR ENGINEER	ENGINEER	BIT	SR ENGR. TECH.	ENGR. TECH.	CLERICAL	SUB-TOTALS
1.02 GOVERNMENTAL AGENCY COORDINATION													
A. Coordination													
1. City of Cedar Park - 1 meeting													
2. City of Leander - 1 meeting													
3. City of Leander - 1 meeting													
4. Williamson County - 1 meeting													
1.03 DATA COLLECTION													
A. Collect, Review, and Evaluate Data													
B. Field Investigations													
1.04 ROW MAPPING													
1.07 UTILITY COORDINATION AND DESIGN													
A. Coordination Meetings													
D. Populate existing and proposed utility surveys on sheets per utility plans													
F. Increase existing utility coverage on shared job path profiles													
G. Review utility regulation plans for clearance of conflicts													
H. Notify DEC of any utility conflicts (existing and/or proposed)													
1.08 INITIAL DESIGN AND DEC													
A. Review 133A Extension Project Manual													
D. Schematic Refinements													
1. Incorporate and vertical refinements for shared job path													
2. Finalize locations of the shared job path													
4. Coordinate modifications with the DEC													
Y. Notify DEC of any potential treatment needs													
F. Preliminary Cost Estimate													
G. Attend DEC													

GRAY JANSSING & ASSOCIATES, INC.

TASK	Hourly Rate	SHEETS	PROJECT MANAGER	SENIOR SPECIALIST	SENIOR BRIDGE ENGINEER	SENIOR PROJECT ENGINEER	SENIOR ENGINEER	ENGINEER	EIT	Sr. ENGR. TECH.	ENGR. TECH.	CLERICAL	SUB TOTALS
			\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1.08 ROADWAY DESIGN													
A. Misc. Plan Sheets													
Cover, Index of Sheets (Coordination)													
B. Roadway Plans & Geometry													
1. Proposed Typical Sections for various use path													
2. Horizontal Alignment Data Sheets (Coordination)													
3. Elevation Data Sheets													
C. Grading and Details													
1. Graded Use path Plan & Profile													
2. Driveway Miscellaneous Details													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
1.10 DRAINAGE DESIGN													
A. Storm Drain Plan Sheets (Coordination)													
B. Storm Drain Plan Sheets (Coordination)													
C. Storm Drain Plan Sheets (Coordination)													
D. Storm Drain Plan Sheets (Coordination)													
E. Storm Drain Plan Sheets (Coordination)													
F. Storm Drain Plan Sheets (Coordination)													
G. Water Quality (Coordination)													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
1.11 STRUCTURAL DESIGN													
A. Coordination													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
1.13 SIGNING, MARKINGS AND SIGNALIZATION													
A. Signing and Pavement Marking Layouts for shared use path													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
1.18 MISCELLANEOUS													
A. Quantities & Schedules (60% Prelim and Final)													
B. Bidding, Specifications and Estimates													
1. Prepare Bidding Documents													
2. Supplemental Bidding Documents													
3. Prepare Specifications and Provisions													
4. Prepare General Notes													
5. Construction Cost Estimate													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
SUB-TOTALS													

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GRAY JANISNG & ASSOCIATES, INC.

TASK	Hourly Rate	SHEETS	PROJECT MANAGER	SENIOR SPECIALIST	SENIOR ENGINEER	SENIOR PROJECT ENGINEER	SENIOR ENGINEER	SENIOR ENGINEER	ENGINEER	EIT	Sr. ENGR. TECH.	ENGR. TECH.	CERICAL	SUB TOTALS
1.18 COORDINATION, MEETINGS & REVISING														
A. Project Workshops (assume 2 workshops)														
B. Coordination Meetings														
1. Bi-weekly Design Coord. Meetings w/ G&A/S&C (assume 8 meetings)														
2. Internal Coord. Meetings (assume 8 meetings)														
D. Review Meetings and Comment Responses (assume 4 meetings)														
E. G&A/S&C														
1. G&A/S&C Plan Development														
2. G&A/S&C Review Workshops														
F. Provide Assistance to the G&A during the bidding process														
G. Invoicing (assume 12 invoice cycles)														
1. Pre-Bid Meeting														
2. Pre-Construction Meeting														
SUB-TOTAL NUMBER OF SHEETS:														
SUB-TOTAL HOURS:														
SUB-TOTAL LABOR COST:														
TOTAL NUMBER OF SHEETS:														
TOTAL HOURS:														
TOTAL LABOR COST:														
OVERHEAD AND PROFIT														
DIRECT SALARY PLUS OVERHEAD AND PROFIT														
TOTAL LABOR COST														
DIRECT EXPENSES:														
Travel:														
Message														
Per diem														
Lodging														
Copies:														
Reproduction														
Media (paper)														
Misc Expenses:														
Express delivery														
Research Materials														
TOTAL DIRECT EXPENSES:														
GRAY JANISNG ENGINEERING TOTAL COST														

AGUIRRE & FIELDS, LP (SWA#1)

TASK	Hourly Rate	SHEETS	PROJECT MANAGER	SENIOR SPECIALIST	SENIOR BRIDGE ENGINEER \$61.00	SENIOR PROJECT ENGINEER	PROJECT ENGINEER \$45.00	ENGINEER \$39.50	EIT \$27.00	SR. ENGR. TECH. \$35.00	ENGR. TECH. \$24.00	CLERICAL	SUB TOTALS
1.10 DRAINAGE DESIGN													
A. Catchment Operating Weirs at Detention Ponds													
1. Pond C-11, Sta. 303+00													
B. Junction Box, Drop Inlet, Modified Manhole Details													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL DIRECT SALARY COST:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL NUMBER OF SHEETS:													
TOTAL HOURS:													
DIRECT SALARY COST:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Hrs/Sheet

HUGGINS/SEILER & ASSOCIATES, LP SUPPLEMENTAL WORK AUTHORIZATION NO. 1

TASK	Hourly Rate	SHEETS	PROJECT MANAGER	SENIOR SPECIALIST	SENIOR BRIDGE ENGINEER	SENIOR PROJECT ENGINEER	SENIOR ENGINEER	ENGINEER	EIT	SR. ENGR. TECH.	ENGR. TECH.	CLERICAL	SUB TOTALS
02 GOVERNMENTAL AGENCY COORDINATION													
A. Coordination													
1. TxDOT - 1 meeting													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
03 DATA COLLECTION													
B. Field data collection													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
04 INITIAL DESIGN AND DDC													
A. Review 103A Extension Project Manual													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
05 DRAINAGE DESIGN													
F. Storm Water Pollution Prevention Plans (SWPP)													
1. SWPP and Sediment Control Plans													
2. SWPP Plans													
3. Erosion and Sediment Control Details													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
06 MISCELLANEOUS													
A. Checklist & Summaries (005, Pre-Final and Final)													
B. Standards, Specifications and Estimates													
C. Utility Drawings													
2. Supplemental Standard Details													
3. Bridge Specifications and Proposals													
4. Project General Notes													
5. Construction Costs Estimate													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
07 COORDINATION, MEETINGS & INVOCING													
A. Project Workshops (assume 2 workshops)													
B. Coordination Meetings													
1. Design Coord Meetings w/ GERCOC (assume 1 meeting)													
2. Internal Coord Meetings (assume 4 meetings)													
C. Review Meeting Contractor Responses													
E. QA/QC													

2.8
 hr-Sheet
 BUDGET

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HUGGINS/SEILER & ASSOCIATES, LP SUPPLEMENTAL WORK AUTHORIZATION NO. 1

TASK	Hourly Rate	SHEETS	PROJECT MANAGER	SENIOR SPECIALIST	SENIOR BRIDGE ENGINEER	SENIOR PROJECT ENGINEER	SENIOR ENGINEER	ENGINEER	BIT	SR. ENGR. TECH.	ENGR. TECH.	CLERICAL	SUB TOTALS
1. QA/QC Plan Development													
2. QA/QC Review Workshops													
3. Inspecting Laboratory Invoice Cycles													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
TOTAL NUMBER OF SHEETS:													
TOTAL LABOR COST:													
OVERHEAD:													
DIRECT SALARY PLUS OVERHEAD:													
PROFIT:													
TOTAL LABOR COST:													
DIRECT EXPENSES:													
Travel: \$													
Meals: \$													
Per diem: \$													
Lodging: \$													
Copiers: \$													
Reproduction: \$													
Media (flyer): \$													
Misc Expenses: \$													
Express delivery: \$													
Research Materials: \$													
TOTAL DIRECT EXPENSES: \$													
NSA ENGINEERING TOTAL COST: \$													

2 of 2
 H-Sheet

URS CORPORATION, INC

TASK	Hourly Rate	SHEETS	PROJECT MANAGER	SENIOR SPECIALIST	SENIOR BRIDGE ENGINEER	SENIOR PROJECT ENGINEER	SENIOR ENGINEER	ENGINEER	BIT	SR. ENGR. TECH.	ENGR. TECH.	CLERICAL	SUB TOTALS
07 GOVERNMENTAL AGENCY COORDINATION													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
08 DATA COLLECTION													
A. Collect, Review and Exchange Data for Supplemental Project Area													
B. Field Investigations - Conduct Existing Sign Inventory													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
09 INITIAL DESIGN AND DEC													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
10 SMALL SIGNING, PAVEMENT MARKINGS & BELTWAY													
A. Review Preliminary Sign Plan													
B. Signs and Pavement Marking Layouts													
i. Markings on Loop Roads (STA 342+00 - 369+00)													
ii. Markings (Rumble Box and CR 174)													
iii. Pavement Marking Details													
iv. Sign Cabinet Parkway													
C. Small Sign Details													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
11 MISCELLANEOUS													
A. Quotes and Summary Sheets (65% Pre-Final and Final)													
B. Standards, Specifications and Estimates													
1. Organize Standards													
2. Supplemental Standard Details (none assumed)													
3. Prepare Specifications and Proposals													
4. Prepare General Notes													
5. Construction Cost Estimate (65% Pre-Final & Final submittals)													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
19 COORDINATION, MEETINGS & INVOICING													
B. Coordination Meetings													
1. Design Coord. Meetings w/ GEC (assume 1 meeting)													
2. Internal Coord. Meetings (assume 2 meetings)													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
BUDGET													

URS CORPORATION, INC

TASK	hours/Rate	SHEETS	PROJECT MANAGER	SENIOR SPECIALIST	SENIOR BRIDGE ENGINEER	SENIOR PROJECT ENGINEER	SENIOR ENGINEER	ENGINEER	ENGR. TECH.	SR. ENGR. TECH.	ENGR. TECH.	CLERICAL	3 042816 No Sheet
D. Review Meetings, Consultant Responses													
E. QA/QC													
1. QA/QC Plan Development (100% pre-100% total submittals)													
2. QA/QC Review Submittals													
G. Involving (assume 8 invoice cycles)													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
TOTAL NUMBER OF SHEETS:													
TOTAL HOURS:													
TOTAL LABOR COST:													
OVERHEAD													
DIRECT SALARY PLUS OVERHEAD													
PROFIT													
TOTAL LABOR COST													
DIRECT EXPENSES:													
Travel:													
Message													
Per diem													
Logging													
Copies:													
Reproduction													
Media (mylar)													
Misc Expenses:													
Express delivery													
Research Materials													
TOTAL DIRECT EXPENSES:													
LOPEZGARCIA GROUP ENGINEERING TOTAL COST													

RJ RIVERA ASSOCIATES, INC.

TASK	Hourly Rate	sheets	PROJECT MANAGER	SENIOR SPECIALIST	SENIOR BRIDGE ENGINEER	SENIOR PROJECT ENGINEER	SENIOR ENGINEER	ENGINEER	EIT	SR. ENGR. TECH.	ENGR. TECH.	CLERICAL	SUB-TOTALS
02 GOVERNMENTAL AGENCY COORDINATION													
A. Coordination													
1. I-35 DOT - 2 meetings													
2. City of Cedar Park - 1 meeting													
3. City of Leander - additional meeting prep time													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL LABOR COST:													
03 DATA COLLECTION													
A. Collect Data and Evaluate Data													
B. Field Investigation													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL LABOR COST:													
04 UTILITY COORDINATION AND DESIGN													
A. Coordinate Meetings - associated meeting prep time													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL LABOR COST:													
05 INITIAL DESIGN AND DDC													
A. Review 18A Extension Project Manual													
E. Preliminary Cost Estimate													
G. Attend DCC													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL LABOR COST:													
1.12 SIGNING, MARKINGS AND SIGNALIZATION													
H. Prepare Bids													
I.A.1. Traffic Signal Plans													
1. Coordinate with													
2. Plan layout sheets													
3. Notes to plan layout													
4. Phase sequence diagrams													
5. Construction detail sheets													
6. Marking details (width)													
7. Electrical and ITS													
K. Traffic Signal Control Plans and Estimates													
L. Temporary Traffic Signal Plans													
SUB-TOTAL NUMBER OF SHEETS:													
SUB-TOTAL LABOR COST:													
1.13 INTELLIGENT TRANSPORTATION SYSTEMS													
A. Incorporate ITS Facility Design													
B. Intelligent Vehicle Highway System Design Layout Sheets													
SUB-TOTAL NUMBER OF SHEETS:													

3/8/1988
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 BUDGET

RJ RIVERA ASSOCIATES, INC.

TASK	Hourly Rate	sheets	PROJECT MANAGER	SENIOR SPECIALIST	SENIOR BRIDGE ENGINEER	SENIOR PROJECT ENGINEER	SENIOR ENGINEER	ENGINEER	ET	Sr. ENGR. TECH.	ENGR. TECH.	CLERICAL	SUB TOTALS
SUB-TOTAL HOURS:													
SUB-TOTAL LABOR COST:													
TOTAL NUMBER OF SHEETS:													
TOTAL LABOR COST:													
OVERHEAD		100.00%											
DIRECT SALARY PLUS OVERHEAD		12.00%											
TOTAL LABOR COST													
DIRECT EXPENSES:													
Travel:													
Airfare													
Per diem													
Lodging													
Copies:													
Reproduction													
Media (m/yr)													
Misc Expenses:													
Express delivery													
Research Materials													
TOTAL DIRECT EXPENSES:													
RJR ENGINEERING TOTAL COST													

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