

STATE OF TEXAS §
 §
COUNTY OF FORT BEND §

**AMENDMENT TO AGREEMENT FOR
PROFESSIONAL ENGINEERING SERVICES**

THIS AMENDMENT, is made and entered into by and between Fort Bend County (hereinafter "County"), a body corporate and politic under the laws of the State of Texas, and TEDSI Infrastructure Group, Inc. (hereinafter "Contractor"), a company authorized to conduct business in the State of Texas.

WHEREAS, the parties executed and accepted that certain Agreement for Professional Engineering Services on June 12, 2018 pursuant to SOQ 14-025, (hereinafter "Agreement"); and

WHEREAS, the parties desire to amend the Agreement to allow Contractor to provide additional Services under the Agreement.

NOW, THEREFORE, the parties do mutually agree as follows:

1. County shall pay Contractor an additional amount not to exceed three hundred fifty-nine thousand eight hundred ninety-one dollars and 68/100 (\$359,891.68) to perform the additional Services, as described in Contractor's Supplemental Engineering Fee Proposal attached hereto as Exhibit "A" and incorporated herein for all purposes.
2. The Maximum Compensation payable to Contractor for all Services rendered is hereby increased to an amount not to exceed one million one hundred fifty-eight thousand five hundred forty-seven dollars and 66/100 (\$1,158,547.66), authorized as follows:

\$798,655.98 under the Agreement; and
\$359,891.68 under this Amendment.
3. In no case shall the amount paid by County for all Services under the Agreement and this Amendment exceed the Maximum Compensation without an agreement executed by the parties.
4. BY ACCEPTANCE OF AGREEMENT, CONTRACTOR ACKNOWLEDGES THAT THE COUNTY IS OPPOSED TO HUMAN TRAFFICKING AND THAT NO COUNTY FUNDS WILL BE USED IN SUPPORT OF SERVICES OR ACTIVITIES THAT VIOLATE HUMAN TRAFFICKING LAWS.

Except as provided herein, all terms and conditions of the Agreement shall remain unchanged.

IN WITNESS WHEREOF, the parties hereto have signed or have caused their respective names to be signed to multiple counterparts to be effective on the date signed by the final party.

FORT BEND COUNTY

TEDSI INFRASTRUCTURE GROUP, INC

KP George, County Judge



Authorized Agent – Signature

Date

Jules M. Morris, Jr., P.E.
Authorized Agent – Printed Name

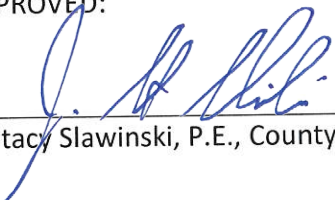
ATTEST:

Vice President
Title

Laura Richard, County Clerk

6/28/21
Date

APPROVED:



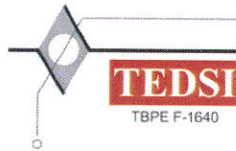
J. Stacy Slawinski, P.E., County Engineer

AUDITOR'S CERTIFICATE

I hereby certify that funds are available in the amount of \$ _____ to accomplish and pay the obligation of Fort Bend County under this contract.

Robert Ed Sturdivant, County Auditor

EXHIBIT A



June 3, 2021

Mr. Mark C. Dessens, P.E.
Vice President
Schaumburg & Polk, Inc.
11767 Katy Freeway, Suite 900
Houston, Texas 77079

**Re: SH 99 Grand Parkway Southbound Frontage Road
Supplemental Engineering Fee Proposal
Cinco Ranch Blvd to Westheimer Parkway**

Dear Mr. Dessens:

TEDSI Infrastructure Group (TEDSI) appreciates the opportunity to submit for your approval this supplemental fee proposal for the above referenced project. This supplemental was precipitated by TxDOT's requirement to reverse the existing freeway ramps within the project. The following is a summary of the main tasks contained within this supplemental proposal.

Schematic Phase – effort required to revise schematic for TxDOT approval.

1. Geometric Design - plan and profile linework, including new ramps and termini at both mainlane and frontage road locations.
2. Typical sections – generated and modified six typical sections along the project to adequately portray the new design intent.
3. Preliminary Design Cross Sections – generated and modified cross sections along project to show ramp reversals and retaining walls.
4. Preliminary Construction Sequencing – developed a plan that allows the contractor to safely build new ramps and demolish old ramps at the least disruption to the motoring public.
5. Preliminary Cost Estimate – rollup of all new costs associated with the ramp reversals added to the original overall cost of the frontage road construction.
6. ROW Parcels (Surveying Sub) – increase the previously estimated 10 parcels to the required 17 that exist along the project.

Design Phase – effort required to included ramp reversals into the PS&E package.

1. Roadway Design – refine all horizontal and vertical alignments in Geopak. Adjusted lane widths, ramp shoulders, pavement edges, cross slope transitions, limits of riprap, limits of SSTR, and removal items.

2. Typical Sections – create typical sections for additional pavement and pavement changes for entrance and exit ramp, and auxiliary lanes.
3. Cut and Fill quantities – calculate earthwork quantities based on additional ramps and retaining walls.
4. Roadway Plan and Profile – develop roadway plan and profiles of four additional sheets for the ramps and an additional gore detail sheet. Detail all frontage road changes due to the ramps and auxiliary lane.
5. Earthwork Cross Sections – create cross sections to confirm design of ramps and pavement changes.
6. SW3P Layouts – revise SW3P layouts due to changes in drainage required for the ramp reversal.
7. Signing and Pavement Markings – includes all ramp gore(s) and lane and shoulder striping, all standard small signs and new overhead guide sign to correspond to the new off-ramp.
8. Illumination – develop design of safety lighting at new ramp gores. Develop layouts, wiring diagrams, conduit runs, and pole assemblies.
9. Retaining Walls – add retaining walls in three locations due to side slope changes and the grades on the ramps.
10. Traffic Control Plan – detailed plans including construction sequencing narrative, layouts with all necessary warning and safety devices for each construction phase, and specific steps/details as necessary to sufficiently provide safe traffic operations.
11. Sound Wall Design – add two sound walls to the project based on environmental study. Develop foundation design, wall layouts, aesthetic details, quantities, and cost estimates.

We trust that this work outline meets your needs. However, we'd be happy to further review this with you at your request.

Sincerely,

TEDSI INFRASTRUCTURE GROUP

A handwritten signature in blue ink, reading "Jules M. Morris, Jr., P.E.", written in a cursive style.

Jules M. (Jay) Morris, Jr., P.E.
Vice President

GRAND PARKWAY SOUTHBOUND FRONTAGE ROAD
SEGMENT 1
MODIFICATIONS FOR RAMP REVERSALS

ATTACHMENT A
JUNE 2021

WORK ELEMENT	Supplemental Engineering Fees 06/03/2021
Advanced Planning/Preliminary Engineering	
Schematic Design (TEDSI)	\$53,615.57
Traffic Studies (TEDSI)	\$0.00
Drainage Impact Report (Sirus)	\$0.00
Management (TEDSI)	\$32,741.54
Management & Final PS&E Engineering	
Roadway Design (TEDSI)	\$62,066.26
Drainage Design (Sirus)	\$0.00
SW3P (TEDSI)	\$11,735.12
Traffic - Signing and Pavement Markings (TEDSI)	\$43,882.61
Traffic - Signals (TEDSI)	\$0.00
Ret Walls/TCP/Sound Walls/Lighting (TEDSI)	\$144,080.58
Management (TEDSI)	\$0.00
Extras	
Survey (Weisser)	\$0.00
ROW Parcel Mapping (Weisser)	\$10,500.00
Geotechnical (Geotech)	\$0.00
Utility Coordination (TEDSI)	\$0.00
Direct Expenses	\$1,270.00
Bid/Construction Phase Services	
Post Design Services (TEDSI)	\$0.00
Total Management & Engineering Fees	\$359,891.68

Additional work for designing ramp reversals

Geometric Schematic Revisions - Ramps, Typical Sections
Additional Project Management for Coordination with TxDOT
Ramp Plan and Profile Sheets
Cross Sections
Signing and pavement marking
Ramp Safety Lighting
Traffic Control Phasing
Retaining Wall Design
Sound Wall Design

PRIME PROVIDER NAME: TEDSI
 CONTRACT NUMBER:
 PROJECT NAME: SH99 Southbound Frontage Road
 PROJECT LIMITS: Circo Ranch Blvd. to Westheimer Parkway
 MODIFICATIONS FOR RAMP REVERSALS

FEE SCHEDULE (TEDSI)
 METHOD OF PAYMENT: LUMP SUM

TASK DESCRIPTION	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	PROJECT DESIGNER	SENIOR ENGINEER TECH	EIT	CADD OPERATOR	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
ROUTE & DESIGN STUDIES (FC 110)											
DATA COLLECTION									0		N/A
FIELD SURVEYS									0		N/A
ANALYZE EXISTING CONDITIONS	1	1	4		8	0	12	2	29		N/A
DESIGN CONCEPT CONFERENCE (FORM & MTO)									0		N/A
GEOMETRIC DESIGN SCHEMATICS	8	8	8	32	64	16	8	2	148	2	N/A
TYPICAL SECTIONS	1	2	8		16	8	8	2	45		N/A
ENVIRONMENTAL CONSTRAINTS (DEC)									0		N/A
CONCEPTUAL DRAINAGE DESIGN (BY SIRBUS)									0		N/A
ROW REQUIREMENTS									0		N/A
SIGNAL WARRANTS / TRAFFIC STUDIES (ONCO RANCH AND WESTHEIMER Pkwy)									0		N/A
BICYCLE AND PEDESTRIAN ACCOMMODATIONS									0		N/A
CONSTRUCTION SEQUENCE	2	2	4		40	20	0	2	70		N/A
PRELIMINARY COST ESTIMATE	1	4	8		16	24	8	2	63		N/A
ENGINEERING SUMMARY REPORT	1	1	2		8	8	4	1	25		N/A
DETERMINATION OF DESIGN EXCEPTIONS/WAIVERS									0		N/A
HOURS SUB-TOTALS	14	18	34	32	152	76	40	11	377		
CONTRACT RATE PER HOUR	\$291.61	\$225.60	\$183.87	\$154.84	\$192.26	\$125.80	\$103.22	\$93.55	\$53,615.57		
TOTAL LABOR COSTS	\$3,922.54	\$4,060.80	\$6,251.08	\$4,954.88	\$20,103.92	\$9,560.80	\$4,128.80	\$1,029.05			
SUBTOTAL (FC 110)									\$53,615.57		

TASK DESCRIPTION	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	PROJECT DESIGNER	SENIOR ENGINEER TECH	EIT	CADD OPERATOR	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
ENVIRONMENTAL STUDIES & PUBLIC INVOLVEMENT (FC 120)											
PROVIDE EXHIBITS AND DATA FOR ENVIRONMENTAL STUDY									0		N/A
HOURS SUB-TOTALS	0	0	0	0	0	0	0	0	0		
CONTRACT RATE PER HOUR	\$291.61	\$225.60	\$183.87	\$154.84	\$192.26	\$125.80	\$103.22	\$93.55	\$0.00		
TOTAL LABOR COSTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
SUBTOTAL (FC 120)									\$0.00		

TASK DESCRIPTION	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	PROJECT DESIGNER	SENIOR ENGINEER TECH	EIT	CADD OPERATOR	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
RIGHT OF WAY DATA (FC 130)											
ROW DELINEATION (REVIEW SURVEY PROVIDED BY OTHERS)									0		N/A
HOURS SUB-TOTALS	0	0	0	0	0	0	0	0	0		
CONTRACT RATE PER HOUR	\$291.61	\$225.60	\$183.87	\$154.84	\$192.26	\$125.80	\$103.22	\$93.55	\$0.00		
TOTAL LABOR COSTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
SUBTOTAL (FC 130)									\$0.00		

TASK DESCRIPTION	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	PROJECT DESIGNER	SENIOR ENGINEER TECH	EIT	CADD OPERATOR	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
PROJECT MANAGEMENT (FC 40)											
PROJECT SUPERVISION	8								20		N/A
COORDINATION/ADMINISTRATION	40								26		N/A
QUALITY CONTROL/SURVEILLANCE	8								12		N/A
SUB-CONSULTANT MANAGEMENT	8								28		N/A
HOURS SUB-TOTALS	64	48	0	0	0	0	0	62	174		
CONTRACT RATE PER HOUR	\$291.61	\$225.60	\$183.87	\$154.84	\$192.26	\$125.80	\$103.22	\$93.55	\$32,741.94		
TOTAL LABOR COSTS	\$18,902.24	\$10,828.80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,800.10			
SUBTOTAL (FC 140)									\$33,741.94		

TASK DESCRIPTION	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	PROJECT DESIGNER	SENIOR ENGINEER TECH	EIT	CADD OPERATOR	CLERICAL	TOTAL LABORERS & COSTS	NO OF DWGS	LABOR HRS PER SHEET
SURVEYING (FC 140)									0	N/A	N/A
SURVEYING (REVIEW SURVEY PROVIDED BY OTHERS)									0		
HOURS SUB-TOTALS	0	0	0	0	0	0	0	0	0		
CONTRACT RATE PER HOUR	\$251.61	\$225.80	\$153.67	\$154.84	\$132.28	\$125.80	\$103.22	\$83.55			
TOTAL LABOR COSTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
SUBTOTAL (FC140)									\$0.00		

DESCRIPTION	TOTAL MH BY FC								TOTAL COSTS BY FC	
ROUTE & DESIGN STUDIES (FC 110)									377	\$53,618.57
ENVIRONMENTAL STUDIES & PUBLIC INVOLVEMENT (FC 120)									0	\$0.00
RIGHT OF WAY DATA (FC 130)									0	\$0.00
PROJECT MANAGEMENT (FC 145)									174	\$32,741.54
SURVEYING (FC 150)									0	\$0.00
SUBTOTAL LABOR EXPENSES									551	\$186,360.11
OTHER DIRECT EXPENSES										
Mileage (# of miles) (0.550)	500	\$0.545	MI							\$272.50
Counter Services	2	\$30.00	EACH							\$60.00
Photocopiers & S&T	125	\$0.10	EACH							\$12.50
Photocopiers 11x17	250	\$0.25	EACH							\$62.50
Photocopiers 8.5x11	100	\$3.50	SP							\$350.00
Meters 1x12	0	\$2.50	EACH							\$0.00
CD Archive	0	\$5.00	EACH							\$0.00
TRAFFIC COUNTS	0	\$550.00	EACH							\$0.00
SUBTOTAL DIRECT EXPENSES										\$187.60

SUBCONTRACTS:										
Sirrus Engineering (Hydrology/Hydraulic system)										
Weisser Engineering (Surveying)										\$10,500.00
Geotech Engineering and Testing (Geotech)										
SUBCONTRACT SUB-TOTAL										\$10,500.00

SUMMARY										
TOTAL COSTS FOR PRIME ONLY (includes mileage)										\$85,357.11
PERMANENT (OTHER DIRECT EXPENSES)										\$757.60
SUBCONTRACTS (includes labor costs and direct expenses)										\$10,500.00
TOTAL - PRELIMINARY ENGINEERING										\$96,614.71

ATTACHMENT A
FEE SCHEDULE (TEDSI)
METHOD OF PAYMENT: LUMP SUM

PRIME PROVIDER NAME: TEDSI
 CONTRACT NUMBER: SH99 Southbound Frontage Road
 PROJECT NAME: Cimco Ranch Blvd. to Westheimer Parkway
 PROJECT LIMITS: MODIFICATIONS FOR RAMP REVERSALS

TASK DESCRIPTION	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	PROJECT DESIGNER	SENIOR ENGINEER TECH	EIT	CADD OPERATOR	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
PROJECT MANAGEMENT (FC 146)											
PROJECT REVISIONS									0	N/A	N/A
COORDINATION/ADMINISTRATION									0	N/A	N/A
TRIBUT DISTRICT DESIGN REVIEW (30%/40%/40%/45%)									0	N/A	N/A
DESIGN CONCEPT CONFERENCE (1 meeting)									0	N/A	N/A
DESIGN REVIEW MEETINGS (4 meetings with FBC/CEC)									0	N/A	N/A
OSRT (2 meetings)									0	N/A	N/A
PAVEMENT DESIGN CONFERENCE (1 meeting)									0	N/A	N/A
QUALITY CONTROL ASSURANCE									0	N/A	N/A
SUB-CONSULTANT MANAGEMENT									0	N/A	N/A
MONTHLY PROGRESS MEETINGS (6 meetings)									0	N/A	N/A
HOURS SUB-TOTALS									0		
CONTRACT RATE PER HOUR	\$251.61	\$225.80	\$103.87	\$154.44	\$132.28	\$125.80	\$103.22	\$93.55			
TOTAL LABOR COSTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
SUBTOTAL (FC 146)									\$0.00		

TASK DESCRIPTION	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	PROJECT DESIGNER	SENIOR ENGINEER TECH	EIT	CADD OPERATOR	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
ROADWAY DESIGN CONTROLS (FC160)											
ROADWAY DESIGN	4	5	12		16	16	24	1	81	0	
TYPICAL SECTIONS	4	4	24		0	20	30	0	82	4	21
CROSS STREETS									0	2	0
CUT AND FILL QUANTITIES	1	1	8		24	8	8	0	50	0	0
ROADWAY PLAN AND PROFILE (SCALE: H 1"=100' V 1"=10')	8	8	12		20	40	40	1	129	4	32
DESIGN REVISIONS									0	2	0
INTERSECTION LAYOUTS & GRADING									0	2	0
DRIVEWAY DETAIL AND SUMMARY									0	2	0
MISCELLANEOUS ROADWAY DETAILS									0	1	0
REMOVAL PLANS									0	2	0
EARTHWORK CROSS SECTIONS	2		6		40	0	40	1	80	5	18
ROADWAY STANDARDS	0	0	1		0	0	4	1	6	25	0
ROADWAY QUANTITY SHEETS	0		1		4	4	4	1	14	1	14
REMOVAL QUANTITY SHEETS									0	1	0
HOURS SUB-TOTALS	19	21	64	0	104	89	150	5	451	54	
CONTRACT RATE PER HOUR	\$251.61	\$225.80	\$103.87	\$154.44	\$132.28	\$125.80	\$103.22	\$93.55			
TOTAL LABOR COSTS	\$4,780.59	\$4,741.80	\$11,767.68	\$0.00	\$13,755.04	\$11,070.40	\$15,483.00	\$467.75	\$62,066.26		
SUBTOTAL (FC 160)									\$62,066.26		

TASK DESCRIPTION	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	PROJECT DESIGNER	SENIOR ENGINEER TECH	EIT	CADD OPERATOR	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
DRAINAGE (FC161)											
REVIEW DRAINAGE IMPACT ANALYSIS									0	0	
SWAP LAYOUT (2 PHASES FOR TOP)	2	2	4		16	24	32	0	80	5	16
SWAP INDEX	0	1	0		0	0	2	0	3	1	3
SWAP SUMMARIES	0		1		4	4	0	0	9	1	9
SWAP STANDARDS									0	10	0
HOURS SUB-TOTALS	2	2	6	0	20	28	34	0	92	17	
CONTRACT RATE PER HOUR	\$251.61	\$225.80	\$103.87	\$154.44	\$132.28	\$125.80	\$103.22	\$93.55			
TOTAL LABOR COSTS	\$503.22	\$451.60	\$1,032.22	\$0.00	\$2,645.20	\$3,522.40	\$3,500.48	\$0.00	\$11,735.12		
SUBTOTAL (FC 161)									\$11,735.12		

TASK DESCRIPTION	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	PROJECT DESIGNER	SENIOR ENGINEER TECH	EIT	CADD OPERATOR	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
SIGNING, PAINT, MARKING, & SIGNAL (FC162)											
SIGNING AND PAVEMENT MARKING LAYOUTS (SCALE 1"=100')	4	8	12		24	24	36	2	110	4	28
SIGNING AND PAVEMENT MARKING DETAILS (SCALE 1"=100')	1	1	4		1	1	8	1	31	2	16
SIGNING AND PAVEMENT MARKING SUMMARY	1	1	2		6	4	2	1	17	1	17
SIGNING LAYOUTS - LARGE GUIDE SIGNS	1	1	1		1	6	6	1	17	1	17
GUIDE SIGN DETAILS	2	2	2		4	4	12	1	26	2	26
OVERHEAD SIGN STRUCTURE ELEVATIONS	2	4	8		8	16	32	1	71	2	36
TRAFFIC SIGNAL MODIFICATIONS									0	0	0
TRAFFIC SIGNAL LAYOUTS									0	2	0
TRAFFIC SIGNAL STANDARDS									0	12	0
HOURS SUB-TOTALS	12	11	37	0	59	78	128	6	333	43	
CONTRACT RATE PER HOUR	\$25.61	\$225.60	\$163.07	\$154.44	\$132.26	\$125.80	\$103.22	\$93.55			
TOTAL LABOR COSTS	\$3,019.32	\$2,481.60	\$6,003.19	\$0.00	\$7,803.34	\$9,812.40	\$13,212.16	\$748.40	\$43,882.61		
SUBTOTAL (FC 162)									\$43,882.61		
MISCELLANEOUS (ROADWAY) (FC 163)											
INDEX SHEET									0	1	0
SOIL BORING LOGS (STORM SEWER AREA)									0	5	0
SAFETY LIGHTING:											
PLAN LAYOUT	2	6	8		8	8	12	2	46	2	23
CIRCUIT DIAGRAMS	1	6	8		16	8	1	1	48	2	24
ILLUMINATION CONSTRUCTION NOTES			1		2	4	2	1	10	1	10
SUMMARY OF QUANTITIES	1	1	2			2	6	1	9	1	9
ILLUMINATION DETAILS/STANDARDS									8	12	1
RETAINING WALLS:											
RETAINING WALL B ANCHOR/PILE	2	4	8		16	16	32	2	80	3	27
RETAINING WALL DETAILS	1	2	2		4	4	8	1	20	1	10
RETAINING WALL STANDARDS	1	1	2		2	2	6	1	12	1	6
TRAFFIC CONTROL PLAN:											
TOP DETOURS AND SEQUENCE OF CONSTRUCTION	1	2	4		4	4	8	4	27	1	27
OVERALL PHASING LAYOUT	1	2	4		4	4	8	2	25	1	25
ADVANCE SIGNING LAYOUTS	1	4	8		8	8	12	1	42	2	21
TOP PHASE 1	2	4	16		24	35	36	2	120	5	24
TOP PHASE 2	2	4	16		24	35	36	2	120	5	24
TOP PHASE 3	1	2	8		8	8	16	1	45	2	23
SUMMARY SHEETS FOR TOP QUANTITIES	1	2	4		4	4	8	1	27	1	27
PRELIMINARY TRAFFIC CONTROL WORKSHOP	4	4	8		8	8	16	1	56	2	28
COMPUTE & TABULATE QUANTITIES	0	2	4		4	4	8	0	15	0	N/A
CONSTRUCTION COST ESTIMATE (30%, 60%, 90%, 95% & FINAL)	0	2	4		4	4	8	0	15	0	N/A
GENERAL NOTES, SPECIFICATIONS AND PROVISIONS	0	2	4		4	4	8	0	15	0	N/A
CONSTRUCTION TIME DETERMINATION (SURETRAK)	0	2	4		4	4	8	0	15	0	N/A
PS&E PLAN SET SUBMITTAL (30%/60%/90%/95%/FINAL)	5	5	5		5	5	5	1	26	0	N/A
SOUND WALL DESIGN:											
REVIEW POTENTIAL UTILITY CONFLICTS	1	2	2		4		4	1	16	1	16
PREPARE PRELIMINARY WALL AND FOUNDATION DESIGN (2 WALLS)	2	4	8		16		16	1	35	2	18
PREPARE QUANTITIES	1	2	4		4		4	1	12	1	12
PREPARE PRELIMINARY COST ESTIMATION	1	2	4		4		4	1	12	1	12
ATTEND NOISE WALL WORKSHOP	4	4	4		12		8	1	28	1	28
HORIZONTAL ALIGNMENT DATA SHEETS	1	2	4		4		4	1	13	1	13
AESTHETIC WALL DETAILS	1	2	4		12		16	1	35	3	12
QA/QC (30%, 60%, 90%, 95%, 100%)		24							24		
HOURS SUB-TOTALS	39	104	153	0	204	191	273	39	1002	71	
CONTRACT RATE PER HOUR	\$25.61	\$225.60	\$163.07	\$154.44	\$132.26	\$125.80	\$103.22	\$93.55			
TOTAL LABOR COSTS	\$9,812.79	\$23,483.20	\$27,146.74	\$0.00	\$26,861.04	\$24,027.80	\$28,179.08	\$3,648.45	\$144,080.58		
SUBTOTAL (FC 163)									\$144,080.58		

TASK DESCRIPTION	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	PROJECT DESIGNER	SENIOR ENGINEER TECH	EIT	CAD OPERATOR	CHEMICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
CONSTRUCTION PHASE SERVICES (FC 309) - 1AM									0		
ASSISTANCE AND SUPPORT DURING BIDDING									0		
PRECONSTRUCTION MEETINGS									0		
FIELD MEETINGS									0		
WEEKLY PROGRESS MEETINGS									0		
SHOP DRAWINGS REVIEW									0		
RESPOND TO RFIs									0		
RESPOND TO GENERAL QUESTIONS									0		
PROVIDE CLARIFICATIONS									0		
HOURS SUB-TOTALS	0	0	0	0	0	0	0	0	0		
CONTRACT RATE PER HOUR	\$20.91	\$225.80	\$133.87	\$144.44	\$132.26	\$125.80	\$103.22	\$63.55	\$0.00		
TOTAL LABOR COSTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
SUBTOTAL (FC 143)									\$0.00		

DESCRIPTION	QUANTITY	RATE	UNIT	TOTAL MH BY		BY FC
PROJECT MANAGEMENT (FC 145)						
ROADWAY DESIGN CONTROLS (FC146)				461	\$22,086.26	\$0.00
DRAINAGE DESIGN (FC147)				32	\$1,735.12	\$0.00
CONSTRUCTION MANAGEMENT & SIGNAL (FC148)				330	\$13,480.10	\$0.00
MISCELLANEOUS ROADWAY (FC149)				1,092	\$144,080.58	\$0.00
CONSTRUCTION PHASE SERVICES (FC 309) - 1AM				0	\$0.00	\$0.00
SUBTOTAL LABOR EXPENSES				1678	\$281,744.57	
OTHER DIRECT EXPENSES						
Managa (# of man) (0.550)	500	\$0.245	MM		\$272.50	
Courier Services	3	\$30.00	EACH		\$90.00	
Photocopies & 5x11	250	\$0.10	EACH		\$25.00	
Photocopies 11x17	500	\$0.25	EACH		\$125.00	
Photocopies 8.5x11	0	\$0.50	EACH		\$0.00	
Blank 11x17	0	\$4.00	SHEET		\$0.00	
CD Archive	0	\$5.00	EACH		\$0.00	
SUBTOTAL DIRECT EXPENSES					\$412.50	

SUBCONTRACTS:											
Sirus Engineering (Hydrology/Hydraulic systems)											
Weiser Engineering (Surveying)											
Geotech Engineering and Testing (Geotech)											
SUBCONTRACT SUB-TOTAL											\$0.00

SUMMARY											
TOTAL COSTS FOR PRIME ONLY (includes multiplier)									\$281,744.57		
NON-SALARY (OTHER DIRECT EXPENSES)									\$412.50		
SUBCONTRACTS (includes labor costs and direct expenses)									\$0.00		
TOTAL - P&AE SERVICES									\$282,277.07		