

## Attachment 2

### City of San Marcos FM 110 Connection Drive Design, Bid and Construction Phase FEE SUMMARY

<b>Service</b>	<b>Estimated Fees</b>	
Design Phase (60%, 90%, 100%)	\$	55,134.00 (includes ODEs)
<b>Total Design Phase Fee</b>	<b>\$</b>	<b>55,134.00</b>
<b>Supplemental Services</b>	<b>Estimated Fees</b>	
Bid Phase	\$	19,670.00
Construction Phase	\$	50,232.00
Record Drawings	\$	11,350.00
Geotechnical Investigation (Sub - Kleinfelder)	\$	17,400.00 (includes ODEs)
Record Dwg Survey (Sub - Byrn)	\$	6,950.00 (includes ODEs)
Travel Cost	\$	930.00
<b>Total Fee (includes Design Phase)</b>	<b>\$</b>	<b>161,666.00</b>

## Attachment 2

### City of San Marcos FM 110 Connection Drive - Historic Air Tower Relocation

#### Design, Bid and Construction Phase

WORK TASK DESCRIPTION	E-6	E-5	E-4	E-3	E-2	E-1	T-2	AM-2	MANHOUR SUBTOTALS	FEE SUBTOTALS
	\$344.00 hr	\$280.00 hr	\$230.00 hr	\$197.00 hr	\$163.00 hr	\$141.00 hr	\$130.00 hr	\$109.00 hr		
<b>Design Phase Updates</b>										
<b>1 Project Management</b>										
Project Admin and Coordination	8									
Monthly Progress Report and Invoicing	4							4		
Quality Control Review	6	12								
<b>2 Meetings</b>										
Project Meetings (2)	2	2						2		
<b>3 Design Phase - Tasks</b>										
<b>A. Roadway Design</b>										
Update model/grading for roundabout					8					
<b>4 Design Phase - Plan Development</b>										
<b>A. Revised Final 100% Drawings</b>										
Update Cover Sheet										
Update Index of Sheets					1		2			
Update General Notes Sheet		1			1					
Update Project Layout Sheet							1			
Update Summary/Quantity		2			8		4			
Update Typical Sections					2		2			
Update Traffic Control Plan Narrative and Phasing Sheets		2			2		4			
Update Roadway Plan and Profile Sheets					4		8			
Update Signing Sheets					1		2			
Update Pavement Marking Sheets							2			
Update SW3P Narrative and SW3P sheets					1		2			
Update Project Specific/Special Specifications	1	2								
Update Construction Project Schedule		2			8					
Update Engineer's Opinion of Probable Construction Cost	1	2			4					
Review City's comments and develop Comment Responses	1	2								
Update Bid Form/Bid Schedule		2								
Update GIS Submittal Checklist		1			2					
<b>B. Historical Air Traffic Control Tower Relocation</b>										
Design Team Coordination Meetings		12		8	8					
Develop Existing Structure 3D Scan					16					
Structural Foundation Design		2		8	16					
Develop Structural Foundation Drawings		2		8		40				
Develop Recommendations for Repair of Existing Structure				4						
Develop Recommendations for Tower Disassembly & Relocation				4						
Lighting and Power Design for Relocated Beacon Tower		4		12	8					
New Electrical Service Coordination		4		8						
Tabulation of Quantities/Estimation of Tower Relocation Efforts				2						
<b>Subtotal - Design Phase Updates</b>	<b>23</b>	<b>54</b>	<b>0</b>	<b>54</b>	<b>90</b>	<b>40</b>		<b>6</b>	<b>267</b>	<b>\$ 54,634.00</b>

WORK TASK DESCRIPTION	E-6	E-5	E-4	E-3	E-2	E-1	T-2	AM-2	MANHOUR SUBTOTALS	FEE SUBTOTALS
	\$344.00	\$280.00	\$230.00	\$197.00	\$163.00	\$141.00	\$130.00	\$109.00		
	hr	hr	hr	hr	hr	hr	hr	hr		
SUPPLEMENTAL SERVICES										
Bid Phase										
Project Management	8							2		
Pre-Bid Meeting	2	2								
Addenda, Pre-Bid Question Responses	1	8			16					
Bid Tabulation and Recommendation	1	4			16					
Conformed Plan Set	2	8			20					
Subtotal - Bid Phase	14	22	0	0	52	0		2	90 \$	19,670.00
Construction Phase										
Project Management	12							4		
Pre-Construction Conference		4								
Submittal Review (10 submittals)	2	24								
Response to Requests for Information/Modifications (5 RFIs)	2	16								
Monthly Site Meetings (12)		48								
Site Visit Reports (12)								12		
Pay Estimate Review (12)		12								
Review of Change Orders	2	16								
Substantial Completion Site Visit	4	4								
Final Acceptance Site Visit and Completion Recommendation	4	4								
Submittal Log spreadsheet - submit to City monthly	1	12								
Subtotal - Construction Phase	27	140	0	0	0	0		16	183 \$	50,232.00
Record Drawings										
Review Contractor's redlines and incorporate into plans	2		16			40				
Final GIS Submittal Checklist and CADD files			1		2					
Post Construction survey review and coordination			2		2					
Subtotal - Record Drawings	2	0	19	0	4	40		0	65 \$	11,350.00
Hours	66	216	19	54	146	80		24	605	
TOTAL LABOR COSTS	\$22,704.00	\$60,480.00	\$4,370.00	\$10,638.00	\$23,798.00	\$11,280.00		\$2,616.00	\$135,886.00	
SUBTOTAL - DESIGN PHASE LABOR:										\$54,634.00
DIRECT NON-LABOR EXPENSES										
Document Printing/Reproduction/Assembly										\$500.00
SUBTOTAL - DIRECT NON-LABOR EXPENSES (DESIGN PHASE):										\$500.00
TOTAL ENGINEERING DESIGN PHASE FEE:										\$55,134.00
SUPPLEMENTAL SERVICES										
BID PHASE										\$19,670.00
CONSTRUCTION PHASE										\$50,232.00
RECORD DRAWING PHASE										\$11,350.00
SUBCONSULTANT'S GEOTECHNICAL INVESTIGATION										\$17,400.00
SUBCONSULTANT'S RECORD DWG SURVEY FEE										\$6,950.00
SUBTOTAL - SUPPLEMENTAL SERVICES										\$105,602.00
DIRECT NON-LABOR EXPENSES										
Travel Cost										\$930.00
TOTAL SUPPLEMENTAL SERVICES										\$106,532.00
TOTAL DESIGN & SUPPLEMENTAL SERVICES										\$161,666.00