

Attachment 2

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

Service	Estimated Fees	
Design Phase (60%, 90%, 100%)	\$ 55,134.00	(includes ODEs)
Total Design Phase Fee	\$ 55,134.00	
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Supplemental Services	Estimated Fees	
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	
Total Fee (includes Design Phase)	\$ 161,666.00	

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	\$280.00	\$230.00	\$197.00	\$163.00	\$141.00	\$130.00	\$109.00		
	hr									
Design Phase Updates										
1 Project Management										
Project Admin and Coordination	8									
Monthly Progress Report and Invoicing	4								4	
Quality Control Review	6	12								
2 Meetings										
Project Meetings (2)	2	2							2	
3 Design Phase - Tasks										
A. Roadway Design										
Update model/grading for roundabout						8				
4 Design Phase - Plan Development										
A. Revised Final 100% Drawings										
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. Historical Air Traffic Control Tower Relocation										
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						
Subtotal - Design Phase Updates	23	54	0	54	90	40		6		
									267 \$	54,634.00

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