

FEE DEVELOPMENT WORKSHEET - ENGINEERING DESIGN

NO.	PROJECT TASK	Project Manger	Project Engineer	Engineer in Training	Engineering Technician	CADD Tech	Sr. CADD Tech	Construction Observer	Office	Sr. Office Admin	Sub Consultant	Expenses	TOTAL
ADMINISTRATION													
1	Meet with the Owner to define project scope, funding regulations, and schedule	8											
2	Review and evaluate 2 alternative beacon locations with the Owner	2											
3	Prepare preliminary layouts and costs	6			2	3							
4	Assist the Owner in administrative section of Contract Document	5								8			
5	Assist the Owner in establishment of DBE goal				8					2			
6	Provide coordination and management of subconsultants	6											
7	Coordinate subconsultant field activities with the Owner	2											
8	Determine and submit FAA Form 7460-1 - Notice of Proposed Construction or Alteration	2								2			
9	Coordinate airport operations impacts with the Owner and evaluate of alternatives	6			2	2							
PRE-DESIGN													
9	Conduct on-site evaluation of two (2) alternative beacon locations. Determine feasibility of each location considering engineering design and construction costs, constructability, and compatibility with the developmental needs of the Owner	2		10	4		2						
10	Following the Owner's selection of location and layout, meet and coordinate to determine final project schedule and impacts to Airport operations	8											
11	Collect and review existing documents	1		2			1						
12	Provide survey to obtain height of existing beacon light and data required to portray existing conditions and to complete design and set control for construction, if required				2							\$ 3,000.00	
13	Site visit by subconsultant for evaluation of existing power connections and site conditions				8							\$ 1,120.00	
14	Review design elements for compatibility with existing tower power and facilities	2		2									
15	Obtain geotechnical information (subconsultant) to include one test pit and soil samples as required for soil classifications in the vicinity of new tower footings											\$ 3,500.00	
DESIGN													
16	Meet with the Owner to review pre-design recommendations. Make changes to scope, schedule, and impacts to Airport operations, and provide support needed to complete designs	4											
17	Prepare preliminary construction drawings			6		8							
18	Prepare preliminary legal and technical specifications			6	2								
19	Submit complete preliminary plans, specifications, construction quantities, and cost opinion			12			8			4			
20	Prepare a construction safety plan in accordance with FAA guidelines and airport operational procedures for construction improvements			4									
21	Prepare draft design report in following FAA guidelines	1		8						4			
FINAL DESIGN													
22	Incorporate comments and respond as necessary to requests for additional information			2									
22	Finalize work elements identified under Scope of Services			2									
23	Finalize construction contract plans, specifications, quantities, and construction cost opinion			6	2					2			
24	Perform QA/QC review of Final Plans and Specifications		4										
25	Submit final plans and specifications for FAA and Owner approval			2						2			
26	Make final changes identified in final review			2	2	2							
27	Complete and submit Design Report to FAA and Owner			2						2			
DOCUMENT PREPARATION													
28	Reproduce 15 sets of Constuction Plans and Specifications								2				
29	Document Distribution to Owner and FAA and Requesting Contractors								2				
	TOTAL HOURS	55	4	76	22	15	11	-	4	26			
	LABOR RATE / HOUR	\$183.00		\$103.50	\$102.50	\$82.50	\$112.50		\$64.00	\$92.00			
	SUB TOTAL - LABOR	\$ 10,065.00	\$ -	\$ 7,866.00	\$ 2,255.00	\$ 1,237.50	\$ 1,237.50	\$ -	\$ 256.00	\$ 2,392.00			\$ 25,309.00
EXPENSES													
		trips	No. Units	rate									
	Round Trips to Newport (Miles)	4	100	\$ 0.50								\$ 200.00	
	Meals, Lodging (per diem)	-	4	\$ 32.00								\$ -	
	Misc supplies, copying, prelim submittals, postage, etc.			\$ 50.00								\$ 50.00	
	Printing Documents		50	\$ 10.00								\$ 500.00	
	Subconsultant Fees/Expenses			\$ 7,620.00								\$ 7,620.00	
	5% Markup on Subconsultant Fees			381.00								\$ 381.00	
	SUB TOTAL - EXPENSES											\$ 8,751.00	\$ 8,751.00
	TOTAL DESIGN FEE												\$ 34,060.00