

Detailed Engineering Fee Breakout

AIRPORT: Bisbee Douglas International Airport **ACI PROJECT NUMBER:** Pending
LOCATION: Cochise County, AZ **DATE:** 4/30/19
FAA GRANT NO.: **REV. NO:** 0
PROJECT DESCRIPTION: Replace Runway 17/35 Edge Lighting, Signage and Vault
 (Construction Admin)

Note: This spreadsheet is provided to show how the lump sum totals for each phase have been established. The monthly billing will be a simple percentage of each phases total lump sum amount.

	Proposed Fee
1. PROJECT DEVELOPMENT	\$3,130.00
2. BIDDING SERVICES	\$7,450.00
3a. CONSTRUCTION ADMINISTRATION SERVICES	\$16,660.00
3b. CONSTRUCTION INSPECTION SERVICES	\$34,690.00
4. PROJECT CLOSEOUT	\$4,780.00
SPECIAL SERVICES **	\$7,000.00
C.A. Electrical Engineering - CR Engineers	\$7,000.00
TOTAL ENGINEERING SERVICES	\$73,710.00

I. PROJECT DEVELOPMENT

Item No.	Principal	Project Manager	Project Engineer	Senior Designer	Drafter	Clerical	Total Hours	Cost Summary
1.0 PROJECT DEVELOPMENT	\$238.00	\$173.00	\$134.00	\$124.00	\$102.00	\$89.00		
1.1 Develop Draft Scope of Work and Fee Estimates	1	4	0	0	0	2	7	\$1,108.00
1.2 Prepare Final Scope of Work and Contract	1	4	0	0	0	1	6	\$1,019.00
1.3 Prepare FAA Grant Application	0	1	0	2	0	1	4	\$510.00
Estimated Total Man-hours	2	9	0	2	0	4	17	
Summary Costs	\$476.00	\$1,557.00	\$0.00	\$248.00	\$0.00	\$356.00		\$2,637.00

1.90 Reimbursables								
1.91 Miscellaneous	0	500	0	0	0	0	500.00	\$500.00
1.92 Auto Rental	0	0	0	0	0	0	0 Days	\$70.00
1.93 Mileage	0	0	0	0	0	0	0 Mi	\$0.445
1.94 Lodging and Per Diem	0	0	0	0	0	0	0 Days per adot	\$0.00
1.95 Meals and Incidentals	0	0	0	0	0	0	0 Days per adot	\$0.00
Total Project Development Phase:								\$3,137.00

II. BIDDING SERVICES

Item No.	Principal	Project Manager	Project Engineer	Senior Designer	Drafter	Clerical	Total Hours	Cost Summary
2.0 BIDDING SERVICES	\$238.00	\$173.00	\$134.00	\$124.00	\$102.00	\$89.00		
2.1 Assist Sponsor with Advertising	0	1	0	2	0	2	5	\$599.00
2.2 Provide Technical Assistance During Bidding	1	2	0	4	0	2	9	\$1,258.00
2.3 Attend and Assist with Pre-Bid Conference, Address RFIs	0	9	10	0	2	0	21	\$3,101.00
2.4 Prepare Bid Abstract and Award Recommendation	0	1	0	2	0	4	7	\$777.00
2.5 Update FAA Grant APP	0	1	0	2	0	0	3	\$421.00
2.6 Assist with Award Notification, Return Bonds, and Review Bidding Documents	0	1	0	2	0	1	4	\$510.00
Estimated Total Man-hours	1	15	10	12	2	9	49	
Summary Costs	\$238.00	\$2,595.00	\$1,340.00	\$1,488.00	\$204.00	\$801.00		\$6,666.00

2.90 Reimbursables								
2.91 Miscellaneous (Printing, Copying & Mailing)		500					500.00	\$500.00
2.92 Auto Rental		1					1 Days	\$70.00
2.93 Mileage		444					444 Mi	\$197.58
2.94 Lodging and Per Diem							0 Days per adot	\$0.00
2.95 Meals and Incidentals		1	1				2 Meals per adot	\$26.00
Total Bidding Services:								\$7,459.58

III. CONSTRUCTION SERVICES

Item No.	Principal	Project Manager	Project Engineer	Senior Designer	Drafter	Clerical	Total Hours	Cost Summary
3A.0 CONSTRUCTION ADMINISTRATION SERVICES (based on 50 Calendar Days)	\$238.00	\$173.00	\$134.00	\$124.00	\$102.00	\$89.00		
3A.1 Coordinate Construction Agreement, Review Bonds, Certs, Construction Schedule, Notice to Proceed.	0	1	0	2	0	0	3	\$421.00
3A.3 Review Construction Safety Compliance Doc	0	1	0	2	0	0	3	\$421.00
3A.4 Conduct Pre-Construction Conference	0	9	9	0	0	1	19	\$2,852.00
3A.6 Engineering Assistance on Contractor's Survey Control	0	1	0	4	2	0	7	\$873.00
3A.7 Provide Technical Assistance During Construction	2	33	13	0	0	4	52	\$8,283.00
3A.8 Prepare Change Orders and Supplemental Agreements	0	2	0	4	0	0	6	\$842.00
3A.9 Prepare and Confirm Pay Request and Reimbursement Requests	0	3	0	6	0	4	13	\$1,619.00
Estimated Total Man-hours	2	50	22	18	2	9	103	
Summary Costs	\$476.00	\$8,650.00	\$2,948.00	\$2,232.00	\$204.00	\$801.00		\$15,311.00

3A.90 Fixed Fee/Reimbursables								
3A.91 Miscellaneous		500					500.00	\$500.00
3A.92 Auto Rental		3					3 Days	\$210.00
3A.93 Mileage		1332					1332 Mi	\$592.74
3A.94 Lodging and Per Diem							0 Days per adot	\$0.00
3A.95 Meals and Incidentals		3	1				4 Meals per adot	\$52.00
Total Construction Phase Services								\$16,665.74

								Checks use \$16,660.00
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Item No.	Principal	Project Manager	Project Engineer	Construction Supervisor	Resident Inspector	Clerical	Total Hours	Cost Summary
3B.0 CONSTRUCTION INSPECTION SERVICES (based on 50 Calendar Days)	\$238.00	\$173.00	\$134.00	\$162.00	\$124.00	\$89.00		
3B.1 Review Submittals and Shop Drawings	0	2	4	0	0	2	8	\$1,060.00
3B.2 Provide Part Time Inspection	0	77	77	13	0	4	171	\$25,607.00
3B.3 Prepare and Submit Weekly Inspection Reports	0	1	0	8	0	0	9	\$1,165.00
3B.4 Conduct Final Inspection	0	9	11	0	0	1	21	\$3,120.00
Estimated Total Man-hours	0	89	92	21	0	7	209	
Summary Costs	\$0.00	\$15,397.00	\$12,328.00	\$3,402.00	\$0.00	\$623.00		\$31,750.00

3B.90 Fixed Fee/Reimbursables								
3B.91 Miscellaneous		500					500.00	\$500.00
3B.92 Auto Rental		8					8 Days	\$560.00
3B.93 Mileage		3552					3552 Mi	\$1,580.64
3B.94 Lodging and Per Diem							0 Days per adot	\$0.00
3B.95 Meals and Incidentals		8	8				16 Meals per adot	\$304.00
Total Construction Inspection Services:								\$34,694.64

								Checks use \$34,690.00
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VI. Project Closeout

Item No.	Principal	Project Manager	Project Engineer	Senior Designer	Drafter	Clerical	Total Hours	Cost Summary
4.0 PROJECT CLOSEOUT	\$238.00	\$173.00	\$134.00	\$124.00	\$102.00	\$89.00		
4.1 Assist Sponsor with Grant Closeout Certifications	0	2	0	4	0	0	6	\$842.00
4.2 Prepare Record Drawings	0	0	1	2	2	0	5	\$586.00
4.3 Prepare Final Engineers Report	0	4	0	16	0	2	22	\$2,854.00
Estimated Total Man-hours	0	6	1	22	2	2	33	
Summary Costs	\$0.00	\$1,038.00	\$134.00	\$2,728.00	\$204.00	\$178.00		\$4,282.00

6.90 Fixed Fee/Reimbursables								
4.91 Miscellaneous		500					500.00	\$500.00
4.92 Auto Rental							0 Days	\$0.00
4.93 Mileage							0 Mi	\$0.00
4.94 Lodging and Per Diem							0 Days per adot	\$0.00
4.95 Meals and Incidentals							0 Meals per adot	\$0.00
Total Project Closeout Services:								\$4,782.00

								Checks USE \$4,780.00
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