



*City of San Luis  
Merrill Avenue Reconstruction Project - Phase 2*

*Prepared by: James Davey and Associates, Inc.*

December 1, 2017

Item	Description	Principal Engineer	Project Engineer	Engineering Technician	Survey Crew	Direct Costs	Comments
<u>DESIGN PHASE SERVICES</u>							
1	Project Management & Meetings	9	3				
2	Topographic Survey		2		8		
3	Prepare Survey Base Sheets	3 Sheets	8 Hrs/Sheet	2	6	15	
5	Geotechnical Report						Report prepared in Phase 1
6	Prepare Design Plans						
	Cover Sheet	1 Sheet	5 Hrs/Sheet	1	4		
	Roadway Plan and Profiles - 20 Scale	3 Sheets	24 Hrs/Sheet	3	12	57	1:20 Scale
	Sewer and Storm Drain Plan and Profile Sheet	1 Sheet	24 Hrs/Sheet	1	4	19	1:20 Scale
	General Sheets/Standard Details	2 Sheets	9 Hrs/Sheet	1	4	13	
	Special Details	2 Sheets	20 Hrs/Sheet	2	8	30	
7	Prepare Special Conditions	1	10				
8	Prepare Quantities and Bid Schedule	1	10				
Design Phase Subtotal - Estimated Hours		20	60	138	8	x 1.05	
Subtotal - Costs		\$3,000	\$7,500	\$12,420	\$1,280	\$0	\$24,200
<u>CONSTRUCTION PHASE SERVICES</u>							
1	Bidding Assistance	4	28				Includes Assisting with Advertizing Proejct, Pre-Bid Meeting, Answering Contractor Questions During Bidding, Bid Opening and Bid Evaluations
2	Construction Inspection and Administration	8	148				Based on 120 Calendar Day Construction Period/Approx. 86 Working Days with about 43 site inspections at 3 hours/inspection. Also includes Submittal Reviews, Preconstruction Conference, Meetings during Construction, Final Inspection, Pay Estimate Preparations, Project Closeout
3	Soils and Material Testing			6		\$3,605	To be subcontracted to NEI Geotechnical. Includes field reviews of unsuitable soils.
4	Prepare Record Drawings			2	8		Contractor to submit redlined plans. Mylar reproducible record drawings to be submitted to the City of San Luis
Construction Phase Subtotal - Estimated Hours		12	184	8	0	x 1.05	
Subtotal - Costs		\$1,800	\$23,000	\$720	\$0	\$3,785	\$29,305
Total Hours		32	244	146	8	\$3,605	
Hourly Rates		\$150	\$125	\$90	\$160	x 1.05	
Total Costs		\$4,800	\$30,500	\$13,140	\$1,280	\$3,785	
TOTAL FEE ESTIMATE							\$53,505