



*City of San Luis
Rancho Los Oros Reconstruction Project*

Prepared by: James Davey and Associates, Inc.

January 15, 2019

Item	Description		Principal Engineer	Project Engineer	Engineering Technician	Survey Crew	Direct Costs	Comments
<u>DESIGN PHASE SERVICES</u>								
1	Project Management & Meetings		6	4				
2	Topographic Survey			2		16		
3	Prepare Survey Base Sheets	6 Sheets 9 Hrs/Sheet	1	12	42			
4	Geotechnical Report			1			\$3,500	To be subcontracted to GTS. Includes pavement design, overexcavation and trench backfill recommendations.
5	Utility Coordination/Conflict Resolution, Submittals to Utilities		1	8				Potholing Costs Not Included - Assumed by City of San Luis Utility Crews if needed.
6	Prepare Design Plans							
	Cover Sheet	1 Sheet 5 Hrs/Sheet		1	4			
	Roadway Plan and Profiles - 20 Scale	6 Sheets 18 Hrs/Sheet	6	24	78			1:20 Scale
	Sewer Plan and Profile Sheet	1 Sheet 20 Hrs/Sheet	1	3	16			1:20 Scale
	Storm Drain Plan and Profile Sheets	2 Sheets 20 Hrs/Sheet	2	6	32			1:20 Scale
	General Sheets/Standard Details	2 Sheets 9 Hrs/Sheet	1	4	13			
	Special Details	2 Sheets 16 Hrs/Sheet	2	6	24			
7	Prepare Special Conditions		1	10				
8	Prepare Quantities and Bid Schedule		1	10				
Total Hours			22	91	209	16	3,500	
Hourly Rates			\$150	\$125	\$90	\$160	x 1.05	
Total Costs			\$3,300	\$11,375	\$18,810	\$2,560	\$3,675	
TOTAL FEE ESTIMATE								\$39,720