

Armstrong Boulevard and Sunwood/Ramsey Parkway Intersection Improvements Cost Estimate

Work Tasks	Principal	Sr. Engineer	Engineer	Technician	Clerical	Total	Task Cost
Traffic Study and Feasibility Phase							
1.0 Update Traffic Forecasts and Traffic Operations Analysis							\$ 8,364.00
Updated 2030 Traffic Forecasts for Project area (5 intersections;am, pm)	4		10			14	\$ 1,496.00
Updated 2030 Traffic Operations Analysis for Project Area (5 intersections, am,pm)	4		24			28	\$ 2,840.00
Signal Warrant Analysis	2		4			6	\$ 652.00
Report	4		16			20	\$ 2,072.00
Revisions	4		8			12	\$ 1,304.00
2.0 Feasibility Study							\$ 26,926.00
Concept Layout (Plan, Profile, Cross-section and construction limits)	2	40	24	80		146	\$ 14,292.00
Stormwater analysis and concept design	2	40		12	2	56	\$ 6,276.00
Utility relocation analysis		8		4		12	\$ 1,312.00
Cost Estimates	2	6	24			32	\$ 3,298.00
Meetings	4		4			8	\$ 920.00
Plan Revisions		4		4		8	\$ 828.00
Total Hours	28	98	114	100	2	342	
Billing Rates	\$ 134.00	\$ 121.00	\$ 96.00	\$ 86.00	\$ 68.00		
Traffic Study and Feasibility Phase Cost	\$ 3,752.00	\$ 11,858.00	\$ 10,944.00	\$ 8,600.00	\$ 136.00		\$ 35,290.00
Final Design and Construction Phase							
3.0 Prepare SJR	2	16	24	8	4	54	\$ 5,468.00
4.0 Prepare ROW Plans and Legal Descriptions (5 parcels)	2	8	24	48	4	86	\$ 7,940.00
5.0 Assist in ROW Acquisition (5 Parcels)						0	\$ -
6.0 Complete Final Design and Construction Plans	64	200	320	240	4	828	\$ 84,408.00
7.0 Plan Reviews and Revisions	8	40	80	80	4	212	\$ 20,744.00
8.0 Project Manual/Specifications	2	8	32		4	46	\$ 4,580.00
9.0 Permit Applications	2	48	64		4	118	\$ 12,492.00
10.0 Bidding Administration	2	8	32		4	46	\$ 4,580.00
Total Hours	82	328	576	376	28	1390	
Billing Rates	\$ 134.00	\$ 121.00	\$ 96.00	\$ 86.00	\$ 68.00		
Final Design and Construction Phase Cost	\$ 10,988.00	\$ 39,688.00	\$ 55,296.00	\$ 32,336.00	\$ 1,904.00		\$ 140,212.00
Total Project Cost						1732	\$ 175,502.00