

City of Lawton

Gore Blvd. Traffic Signal Timing - 22 signalized intersection - Weekday Only

Owner: City of Lawton
 CITY: Lawton

November 1, 2024
WSB

PROJECT DESCRIPTION: Traffic Signal Timing

DIRECT SALARY COSTS

Labor Description	Labor Category						Sub-Task	Task	Activity	Cost
	CS/CA	SS/TU/AL	HE/BK	AB or equivalent	LS					
	Director	Project Manager	Project Engineer	Design Engineer III	Design Engineer I	Graphics Designer				
Labor Rate	\$ 350.00	\$ 265.00	\$ 240.00	\$ 180.00	\$ 125.00	\$ 115.00				
	HOURS									
Task 1 Corridor wide Traffic Signal Timing Analysis/Improvement	0	0	92	177	216	0			485	\$ 80,940
1.1 Data Collection coordination/Review (22 signalized intersections)			6	11	44		61			\$ 8,920
1.2 Evaluate mode of operation (coordinated, fixed time, stand-alone, etc.)			16	24			40			\$ 8,160
1.3 Set up Synchro model			12	24	24		60			\$ 10,200
1.4 Local timing and corridor wide requirements (Peds, Red/yellow, etc.)			16	24	32		72			\$ 12,160
1.5 Phasing/Timing Plan Development (3 time of day plans assumed)			16	24	32		72			\$ 12,160
1.6 Timing Plan Implementations and Fine-Tuning (Not Included)	0	0	0	0	0	0				\$ -
• Program new timings into the controllers.										
• Verify cycle lengths and offsets at each intersection.										
• Check individual intersections-make necessary timing changes.										
• Check corridor progression by direction of travel and period										
• Recommend fine-tuning adjustments (splits/offsets).										
1.7 Weekday/weekend before/After Travel Time runs	0	0	26	70	84	0	180			\$ 29,340
• Coordinate and conduct AM, PM, and off-peak travel time runs before new signal timing implementation			8	30	36					
• Coordinate and conduct AM, PM, and off-peak travel time runs and video data collection after new signal timing implementation			12	20	36					
• Summarize and analyze travel time run data			6	20	12					
Task 2 Traffic Signal Equipment	0	0	60	128	88	0			276	\$ 48,440
2.1 Prepare data requirements form, request and review existing condition data			12	32	24		68			
2.2 Coordinate and conduct field data collections (Assumed 2 days, staff of 2)			8	32	32		72			
2.3 Analyze, conduct high-level technology search, recommend needed improvements			24	32			56			
2.4 Assess traffic signal communication			16	32	32		80			
Task 3/4 Technical Memorandum/ Presenting to City council (assumes 2 council meetings)	0	24	40	100	26	36			226	\$ 41,350
3.1 Drafting the technical memo and submitting it to the City for review		4	10	48	18	24	104			
3.2 Addressing the review comments from the City		4	10	24			38			
3.3 Prepare the final memo and submit it to the City			4	12	8	12	36			
4.1 Prepare presentation on signal timing implementation/Presentation to the City council		16	16	16			48			
Sub-Total Costs	0	24	192	405	330	36			987	\$ 170,730

OTHER DIRECT COST	Cost
ATD - 48 hour weekday TMC @ 22 signalized intersection	\$ 80,000

NOTE Traffic signal timing re-evaluation and fine-tuning is advised when all schools are in session

TOTAL COST	\$ 250,730
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