MANHOUR ESTIMATE

Downer Place, Galena Boulevard and New York Street Downtown Two-Way Traffic Phase II - Contract Plans, Specifications and Estimates
City of Aurora
HR Green Job No.: 88160255

DATE: 06/08/16

A Total Principal Robust (COR)	Task	SHEETS	Senior PM	Proj. Eng. II	Staff Eng. II	Des. Tech. II	PLS II	Sr. Field Tech.	Admin. OM	Total	1
A more control for the problem of the control of th	2.1 - Downer Place										242
Control register											80
Internation Comments											
COL CASE		1			4	0					_
Court Service   Court Description   2   3   3		3									_
3 - Bigong and Processor Marking Planes    1		, and the second				10					
Down Cyme   Instituted											162
Indicate of Street Care of Springer Description Control of Street Care Stree											76
Content Name - 17 contents											_
Summay of Quertine - 18 notables   1   2   8   4   7   9   9   9   9   9   9   9   9   9											_
Personal National Prince   0					4						
Service and Propose In Market Page 6   1 - 20 - 14 Improved   1   2   4   2   9		_									
Microbiance Datasia											4
1. Train Square Handble Cloves Charles			2		2						
Service   Trail Signar Design Devial Detail Credit   1   2   4   1   1   1   1   1   1   1   1   1										-	30
Total Cognet Medicination Parts 2		6		2		4				6	
Modernacy Decis   0	Traffic Signal Modification Plans	1	2			2					]
Comment   Comm			2	8		2					
Special Provisions	Miscellaneous Details	0								0	24
### definition			4	12	8					24	- 22
Estimate of Times											20
2.2 - Galetina Boulevard and New York Street											
22 - Galena Boulevard and New York Street A - Early Coordination, Data Collection and Review Per Check of 18 droing, 2 persons) 4 4 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9				8							
A. Early Coordination, Data Collection and Review	e - Quality Assurance and Quality Control		8					4		12	12
A. Early Coordination, Data Collection and Review											
Field Check (1 @ 4 hours, 2 present)											584
Valer Parking Coordination and Research											32
Survey Exercises			4		4						-
B. Survey Services											
Personatic Survey Deaving											24
C- Intersection Design Studies (IOS) - 4 Intersections											
204 7 affer Projections and Coordination with CMMP							8			8	000
Capacity Analyses			8	24	ρ					40	320
Best											
Design Exception Documentation   8   20   12			8		16	32					
D - Preparation of Contract Plans, Specifications and Estimates		12				40					
a - Signing and Pavement Marking Plans Over Sheet is Phrisheet ** O			8	20	12					40	000
Cover Sheet - 8 hrs/sheet "											208
Index of Sheets / List of Highway Standards - 8 hry/sheet ''		0								0	04
General Notes - 12 Invisibent **											1
Sign Schedule*	General Notes - 12 hrs/sheet **										
Pavement Marking Schedule*											
Signing and Pavement Marking Plans (Double Pane @ 1" = 50") - 16 hrs/sheet											1
Discrimination   Disc											
Standard Traffic Signal Design Design Design Design Design Design Design Standard Traffic Signal Audification Plans   7   8   24   8   8   8     48   48   48											1
Traffic Signal Modification Plans Cable Plans, Phase Designation Diagrams and Schedules of Quantities* 7 8 24 8 8 8											112
Cable Plans, Phase Designation Diagrams and Schedules of Quantities*  7 8 24 8 8 8				ļ	_						4
Miscellaneous Details		_						-			4
C - Specifications					0			<del> </del>			1
d - Estimates			_								1
Engineer's Opinion of Probable Cost   2	Special Provisions			4						4	
Estimate of Time 2 2 8 2 2 8 2 2 4 2 2 2 2 2 2 2 2 2 2 2	d - Estimates										4
Callity Assurance and Quality Control   16   8   24   24   25   25   25   25   25   25						<del>                                     </del>		<del>                                     </del>			4
2.3 - Meetings and Coordination Project Kick-off Meeting at CLIENT (1 @ 2 hours, 2 persons) Plan-In-Hand Reviews with CLIENT (2 @ 2 hours, 2 persons) 4 4 4 Meeting Preparation (3 @ 2 hours) 5 2 4 5 6 Meeting Minutes (3 @ 2 hours) 6 2 4 6 6 6 General Coordination 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Engineer's Opinion of Probable Cost				1	1					
Project Kick-off Meeting at CLIENT (1 @ 2 hours, 2 persons)       2       2       4         Plan-In-Hand Reviews with CLIENT (2 @ 2 hours, 2 persons)       4       4       9       4       4       6	Engineer's Opinion of Probable Cost Estimate of Time		16	Z				8		24	24
Project Kick-off Meeting at CLIENT (1 @ 2 hours, 2 persons)       2       2       4         Plan-In-Hand Reviews with CLIENT (2 @ 2 hours, 2 persons)       4       4       9       4       4       6	Engineer's Opinion of Probable Cost Estimate of Time		16	2				8		24	24
Plan-In-Hand Reviews with CLIENT (2 @ 2 hours, 2 persons)       4       4       4       8         Meeting Preparation (3 @ 2 hours)       2       4       6       6         Meeting Minutes (3 @ 2 hours)       2       4       6       6         General Coordination       8       8       24            2.4 - Administration       8       8       24         General Project Administration (8 months @ 4 hours per month)       12       8       12       32	Engineer's Opinion of Probable Cost Estimate of Time e - Quality Assurance and Quality Control		16	2				8		24	=
Meeting Minutes (3 @ 2 hours)         2         4         6           General Coordination         8         8         8         24           2.4 - Administration         Image: Control of the project Administration (8 months @ 4 hours per month)         12         8         12         32	Engineer's Opinion of Probable Cost Estimate of Time e - Quality Assurance and Quality Control  2.3 - Meetings and Coordination							8			=
Seneral Coordination	Engineer's Opinion of Probable Cost Estimate of Time e - Quality Assurance and Quality Control  2.3 - Meetings and Coordination Project Kick-off Meeting at CLIENT (1 @ 2 hours, 2 persons)		2	2				8		4	=
2.4 - Administration General Project Administration (8 months @ 4 hours per month)  12 8 12 32	Engineer's Opinion of Probable Cost Estimate of Time e - Quality Assurance and Quality Control  2.3 - Meetings and Coordination Project Kick-off Meeting at CLIENT (1 @ 2 hours, 2 persons) Plan-In-Hand Reviews with CLIENT (2 @ 2 hours, 2 persons) Meeting Preparation (3 @ 2 hours)		2 4 2	2 4 4				8		4 8 6	=
General Project Administration (8 months @ 4 hours per month) 12 8 12 32	Engineer's Opinion of Probable Cost Estimate of Time e - Quality Assurance and Quality Control  2.3 - Meetings and Coordination Project Kick-off Meeting at CLIENT (1 @ 2 hours, 2 persons) Plan-In-Hand Reviews with CLIENT (2 @ 2 hours, 2 persons) Meeting Preparation (3 @ 2 hours) Meeting Minutes (3 @ 2 hours)		2 4 2 2	2 4 4 4				8		4 8 6 6	
General Project Administration (8 months @ 4 hours per month) 12 8 12 32	Engineer's Opinion of Probable Cost Estimate of Time e - Quality Assurance and Quality Control  2.3 - Meetings and Coordination Project Kick-off Meeting at CLIENT (1 @ 2 hours, 2 persons) Plan-In-Hand Reviews with CLIENT (2 @ 2 hours, 2 persons) Meeting Preparation (3 @ 2 hours) Meeting Minutes (3 @ 2 hours)		2 4 2 2	2 4 4 4				8	8	4 8 6 6	
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Total         52         120         268         108         116         24         8         20         906         90	Engineer's Opinion of Probable Cost Estimate of Time e - Quality Assurance and Quality Control  2.3 - Meetings and Coordination Project Kick-off Meeting at CLIENT (1 @ 2 hours, 2 persons) Plan-In-Hand Reviews with CLIENT (2 @ 2 hours, 2 persons) Meeting Preparation (3 @ 2 hours) Meeting Minutes (3 @ 2 hours) General Coordination		2 4 2 2 2 8	2 4 4 4 4 8				8		4 8 6 6 24	48
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\* Includes the tabulation and checking of all applicable pay items. Actual schedules will not be provided for Downer Place, due to size.

\*\* Sheet(s) will be combined with Downer Place plans.

- Assumptions:

  1. City will provide existing traffic data for use in coordinating the 2040 traffic projections with CMAP.

  2. IDS hours assume no changes to the existing geometrics, lane configuration or parking along IL 25.

  3. City will be responsible for the inventory and removal of existing signage in conflict with the proposed improvement.

  4. Existing striping to be removed will be quantified and paid for as part of the plans, but not shown/detailed.

  5. Proposed improvements will not require any modifications to the existing interconnect infrastructure.

  6. City will provide for reoptimization through the CTMS. No Interconnect Plan or Interconnect Schematic required.

  7. No meetings at IDOT will be required.