

Effingham County
 Scope of Services, Fee Schedule, and Project Engineering Cost Estimate
 Project No:
 1/22/2025
 Description: Roundabout at Sand Hill Road at Blue Jay Road
 Fee Type: Lump Sum

Sand Hill Road at Blue Jay Road



Item No.	Item Description	Total Cost	Total Subs	Labor cost	Total Hours	Moffatt & Nichol										Subconsultants			
						Principal	Project Manager	Senior Transp. Engineer	Transp. Engineer	Transp. Technician	Traffic Engineer	Bridge Technician	Senior H&H Engineer	H&H Technician	Clerical	Survey	Plan Production	Environmental sub	Contractor Cost Estimate
						\$ 250.00	\$ 210.00	\$ 173.00	\$ 158.00	\$ 105.00	\$ 158.00	\$ 120.00	\$ 173.00	\$ 140.00	\$ 82.00				
	TOTAL	\$197,422	\$32,690	\$164,732	588	\$ 1,000	\$ 8,820	\$ 21,452	\$ 51,824	\$ -	\$ 5,056	\$ 173	\$ 3,114	\$ 3,640	\$ 1,312	\$ 31,790	\$ 900	\$ -	\$ -
1	Task 1- Project Administration and Coordination	\$17,632	\$0	\$17,632	102	\$ 1,000	\$ 8,400	\$ 2,768	\$ -	\$ -	\$ 2,528	\$ 240	\$ 1,384	\$ -	\$ 1,312	\$ -	\$ -	\$ -	\$ -
2	Task 2- Concept Validation	\$23,740	\$0	\$23,740	146	\$ -	\$ -	\$ 8,304	\$ 11,376	\$ -	\$ 2,528	\$ -	\$ 692	\$ 840	\$ -	\$ -	\$ -	\$ -	\$ -
3	Task 3- Database Preparation	\$29,798	\$26,790	\$3,008	18	\$ -	\$ 420	\$ 692	\$ 1,896	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 26,790	\$ -	\$ -	\$ -
4	Task 4- Preliminary Design	\$52,478	\$400	\$52,078	322	\$ -	\$ -	\$ 9,688	\$ 38,552	\$ -	\$ -	\$ -	\$ 1,038	\$ 2,800	\$ -	\$ -	\$ 400	\$ -	\$ -
5	Task 5- Right-of-Way Plans	\$15,076	\$5,100	\$9,976	62	\$ -	\$ -	\$ 2,076	\$ 7,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000	\$ 100	\$ -	\$ -
6	Task 6- Final Design	\$36,602	\$400	\$36,202	227	\$ -	\$ -	\$ 8,996	\$ 22,594	\$ -	\$ -	\$ -	\$ 692	\$ 3,920	\$ -	\$ -	\$ 400	\$ -	\$ -
7	Task 7- Permitting	\$12,096	\$0	\$12,096	72	\$ -	\$ -	\$ 8,304	\$ 3,792	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8	Task 8- Bid Assistance & Construction Services	\$10,000	\$0	\$10,000	30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1	Task 1- Project Administration and Coordination	Assumptions	\$0	\$17,632	102	4	40	16	0	0	16	2	8	0	16	\$ -	\$ -	\$ -	\$ -
	Discipline Management - Coordination Meetings	\$ -	\$16,320	86	4	40	16				16	2	8						
	Administration & Invoicing	\$ -	\$1,312	16											16				
2	Task 2- Concept Validation	Assumptions	\$0	\$23,740	146	0	0	48	72	0	16	0	4	6	0	\$ -	\$ -	\$ -	\$ -
	Evaluating the proposed concept design	\$ -	\$3,972	24				12	12										
	Evaluating traffic information	\$ -	\$2,874	18				2			16								
	Preparing Conceptual Alternatives (Layout-Design)	2 Alternatives	\$ -	\$3,220	20			4	16										
	Conceptual staging layout	Preferred Alt.	\$ -	\$2,588	16			4	12										
	Preparing Conceptual alignment (Horiz. & Vert.)	\$ -	\$1,956	12				4	8										
	Conceptual Drainage Design	\$ -	\$1,532	10									4	6					
	Conceptual cost estimate	Preferred Alt.	\$ -	\$1,610	10			2	8										
	Internal Quality Assurance Reviews	\$ -	\$2,076	12				12											
	Address County's comments	\$ -	\$3,912	24				8	16										
		\$ -	\$0	0															
3	Task 3- Database Preparation	Assumptions	\$26,790	\$3,008	18	0	2	4	12	0	0	0	0	0	0	\$ 26,790.00	\$ -	\$ -	\$ -
	Topographical survey data collection	\$ 26,790.00	\$1,052	6			2		4							\$ 26,790.00			
	Utility coordination	\$ -	\$1,956	12				4	8										
4	Task 4- Preliminary Design	Assumptions	\$ 400.00	\$52,078	322	0	0	56	244	0	0	0	6	20	0	\$ -	\$ 400.00	\$ -	\$ -
	Preparing Cover, Index, and General Notes	\$ -	\$1,264	8					8										
	Preparing typical sections	\$ -	\$1,437	9				1	8										
	Preparing Construction Plans	\$ -	\$3,852	24				4	20										
	Preparing Profiles	\$ -	\$3,852	24				4	20										
	Preparing Driveway Profiles	\$ -	\$632	4					4										
	Preparing Grading Plans	\$ -	\$2,874	18				2	16										
	Preparing Staging Plans	\$ -	\$4,544	28				8	20										
	Preparing Utility Plans	\$ -	\$1,264	8					8										
	Preparing Signing & Marking	\$ -	\$2,528	16					16										
	Preparing drairage Design an Drainage Profiles	\$ -	\$4,340	28				2	16				2	8					
	Preparing Drairage Area Map	\$ -	\$1,466	10									2	8					
	Preparing Cross Sections	\$ -	\$3,220	20				4	16										
	Prepare Erosion, Sed. & Pollution Control Plans	\$ -	\$5,748	36				4	32										
	Preparing Right of Way lines	\$ -	\$1,437	9				1	8										
	Preparing Preliminary Cost Estimate	\$ -	\$2,874	18				2	16										
	Internal Quality Assurance Reviews	\$ -	\$2,768	16				16											
	Address County's comments	\$ -	\$7,346	46				8	32				2	4					
	Plan Production (three full-size and three half-size set)	\$400	\$632	4					4								\$ 400.00		
5	Task 5- Right-of-Way Plans	Assumptions	\$5,100	\$9,976	62	0	0	12	50	0	0	0	0	0	0	\$ 5,000.00	\$ 100.00	\$ -	\$ -
	Prepare Right of Way plans	10 Parcels	\$ -	\$3,220	20			4	16										
	Internal Quality Assurance Reviews	\$ -	\$692	4				4											
	Address County's comments	\$ -	\$2,069	13				1	12										
	Metes and bounds information	\$ -	\$632	4					4										
	Plan Production (One full-size and One half-size set)	\$ 100.00	\$316	2					2								\$ 100.00		
	Right of Way Staking	\$ 5,000.00	\$173	1				1								\$ 5,000.00			
	Revisions during Acquisition	\$ -	\$2,874	18				2	16										
6	Task 6- Final Design	Assumptions	\$400	\$36,202	\$227	0	0	52	143	0	0	0	4	28	0	\$ -	\$ 400.00	\$ -	\$ -
	Finalize Cover, Index, and General Notes	\$ -	\$316	2					2										
	Finalize typical sections	\$ -	\$632	4					4										
	Finalize Construction Plans	\$ -	\$2,528	16					16										
	Finalize Profiles	\$ -	\$632	4					4										
	Finalize Driveway Profiles	\$ -	\$632	4					4										

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						\$ 250.00	\$ 210.00	\$ 173.00	\$ 158.00	\$ 105.00	\$ 158.00	\$ 120.00	\$ 173.00	\$ 140.00	\$ 82.00				
	Finalize Grading Plans		\$ -	\$2,242	14			2	12										
	Finalize Staging Plans		\$ -	\$2,242	14			2	12										
	Finalize Utility Plans		\$ -	\$948	6				6										
	Finalize Signing & Marking		\$ -	\$948	6				6										
	Finalize drainage Design and Drainage Profiles		\$ -	\$2,730	18				8				2	8					
	Finalize Drainage Area Map		\$ -	\$718	5				1					4					
	Finalize Cross Sections		\$ -	\$948	6				6										
	Finalize Erosion, Sed. & Pollution Control Plans		\$ -	\$948	6				6										
	Finalize Right of Way lines		\$ -	\$632	4				4										
	Final Cost Estimate		\$ -	\$3,912	24			8	16										
	Internal Quality Assurance Reviews		\$ -	\$2,768	16			16											
	Address County's comments		\$ -	\$7,762	50			8	24				2	16					
	Plan Production (three full-size and three half-size set)		\$ 400.00	\$632	4				4								\$ 400.00		
	Providing bid form to County		\$ -	\$4,032	24			16	8										
7	Task 7- Permitting	Assumptions	\$ -	\$12,096	72	0	0	48	24	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
	Permitting for Erosion, Sed. & Pollution Control		\$ -	\$2,768	16			16	0										
	Environmental Permitting (if needed)		\$ -	\$2,768	16			16											
	Construction permits		\$ -	\$6,560	40			16	24										
8	Task 8- Bid Assistance & Construction Services	Assumptions	\$ -	\$10,000	30														
	Bid Assistance	30 hrs (\$167/hr)	\$ -	\$5,000	30														
	Construction Services	30 hrs (\$167/hr)	\$ -	\$5,000	30														