



TRANSPORTATION ENGINEERING STUDIES • TRAFFIC IMPACT ANALYSES
STREET DESIGN • HIGHWAY DESIGN • TRAFFIC ENGINEERING
PARKING LOT DESIGN • TRANSPORTATION PLANNING STUDIES
CONSTRUCTION OBSERVATION • SITE ENGINEERING

REGISTRATION
INDIANA
ILLINOIS
KENTUCKY
MICHIGAN
OHIO
MISSOURI
TEXAS

STEVEN J. FEHRIBACH, P.E.
PRESIDENT

R. MATTHEW BROWN, P.E.
VICE PRESIDENT

KAREN K. COLLINS, P.E.
VICE PRESIDENT

JOSEPH T. RENGEL, P.E.
VICE PRESIDENT

May 6, 2022

Mr. Mark Witsman, PE
Town Engineer
Town of McCordsville
6280 W 800 N
McCordsville, Indiana 46055
mwitsman@mccordsville.org

Re: CR 600 W Preliminary Design Task
On-Call Contract

Dear Mr. Witsman,

A&F Engineering has an on-call contract with the Town of McCordsville that was approved at the December 14, 2021 Town Council meeting. As a part of that on-call contract, Town staff wishes to assign 10% preliminary design plans for the following intersection:

- CR 500 N and CR 600 W
- Development Access and CR 600 W
- CR 600 N and CR 600 W
- CR 650 N and CR 600 W
- CR 700 N and CR 600 W
- CR 750 N and CR 600 W
- CR 900 N and CR 600 W

GIS information will be utilized in place of a survey. With this GIS information, A&F Engineering will design alignments, profiles, curb lines, pedestrian facilities, and geometrics for roundabout improvements at the intersections listed above. A&F will calculate the approximate construction limits and future right of way needed for these improvements. A final submittal showing preliminary design sheets for plan and profile will be submitted to Town staff.

Four of the intersections along CR 600 W listed above (CR 700 N, CR 650 N, CR 600 N, and Development Access) have never been evaluated by A&F Engineering staff for this type of plan. In order to perform the 10% design plans for these four intersections, A&F Engineering proposes a fee of \$5,250.00 per intersection as shown in the attached manhour justification.

Two of the intersections along CR 600 W listed above (CR 750 N and CR 900 N) have previously been evaluated by A&F Engineering staff for some very precursory roundabout layouts. A&F staff will re-examine these two intersections with respect to new design geometrics, update to current standards, and reformat the final submittal to be consistent with the four intersections reference above. In order to perform the 10% design plans for these two intersections, A&F Engineering proposes a fee of \$2,280.00 per intersection as shown in the attached manhour justification.

For the intersection of CR 500 N and CR 600 W, A&F Engineering has recently completed a full design for the Hancock County Highway Department that was reviewed and approved by the Indiana Department of Transportation (INDOT). A&F will utilize this approved design and reformat it to be consistent with the other intersections. A&F will not charge for this intersection.

In summary, A&F Engineering proposes to complete this assignment under the previously approved on-call contract with the following fees:

Complete Preliminary Roundabout Layout	(\$5,250.00 x 4 intersections)	\$21,000.00
Review & Tweak Previous Roundabout Layout	(\$2,280.00 x 2 intersections)	\$ 4,560.00
<u>CR 500 N & CR 600 W Roundabout</u>		<u>\$ 0.00</u>
Total		\$25,560.00

We look forward to the opportunity to work with the Town of McCordsville on this project. If you have any questions, please contact me.

Sincerely,
A&F Engineering Co., LLC



Joseph T. Rengel, P.E., PTOE
Vice President

/aly
Enclosures

A & F ENGINEERING CO., LLC.

MANHOOR JUSTIFICATION

PROJECT: CR 600 W ROUNDABOUT LAYOUT
 CLIENT: TOWN OF MCCORDSVILLE
 TASK: PRELIMINARY ROUNDABOUT LAYOUT (PER INTERSECTION)

5/3/2022

WORK CLASSIFICATION	ESTIMATED TIME IN HOURS				
	Project Manager	Lead Engineer	Staff Engineer	CADD Technician	
DOWNLOAD GIS SURVEY INFORMATION				1.00	
SET-UP GIS AND EXISTING LINEWORK			0.50	4.00	
TORUS DESIGN	0.50	1.00	6.00		
CONVERT TORUS DESIGN IN LINEWORK		0.50	6.00		
SHEET SET-UP			1.00		
PRELIMINARY CORRIDOR		0.50	4.00		
PLAN LABELING			2.00		
PROFILE DRAWING		0.50	1.00		
CONSTRUCTION LIMITS			0.50		
RIGHT OF WAY DESIGN	0.50	1.00	1.00		
FINAL INTERNAL REVIEW	1.00	2.00			
FINAL TWEAKS PER TOWN COMMENTS	0.50	1.00	4.00		
TOTAL HOURS	2.50	6.50	26.00	5.00	40.00
BILLING RATE (WEIGHTED)	224.57	177.19	117.67	95.67	
TOTAL DIRECT LABOR	561.43	1151.74	3059.42	478.35	5,250.93
DIRECT COST					0.00
TOTAL					5,250.93
LUMP SUM FEE					5,250.00

DIRECT COST SUMMARY

SITE	0 TRIPS @	25.00 MILES @	0.39 PER MILE	0.00
MISCELLANEOUS, PAPER & PRINTING				0.00
				0.00

A & F ENGINEERING CO., LLC.

MANHOUR JUSTIFICATION

PROJECT: CR 600 W ROUNDABOUT LAYOUT
 CLIENT: TOWN OF MCCORDSVILLE
 TASK: REVIEW & TWEAK PREVIOUS ROUNDABOUT (PER INTERSECTION)

5/3/2022

WORK CLASSIFICATION	ESTIMATED TIME IN HOURS				
	Project Manager	Lead Engineer	Staff Engineer	CADD Technician	
REVIEW PER CURRENT STANDARDS	0.50	0.50	0.50		
REVIEW/TWEAK LINEWORK		1.00	6.00		
REVIEW/TWEAK PROFILES			1.00		
UPDATE CORRIDOR			3.00		
FINAL CONSTRUCTION LIMITS			0.50		
FINAL RIGHT OF WAY	0.50	0.50	1.00		
FINAL INTERNAL REVIEW	0.50	1.00			
TOTAL HOURS	1.50	3.00	12.00	0.00	16.50
BILLING RATE (WEIGHTED)	224.57	177.19	117.67	95.67	
TOTAL DIRECT LABOR	336.86	531.57	1412.04	0.00	2,280.47
DIRECT COST					0.00
TOTAL					2,280.47
LUMP SUM FEE					2,280.00

DIRECT COST SUMMARY

SITE	0 TRIPS @	25.00 MILES @	0.39 PER MILE	0.00
MISCELLANEOUS, PAPER & PRINTING				0.00
				0.00