

**BOARD OF PUBLIC WORKS AND SAFETY
Agenda Request Form**

(Form B-01-2012)

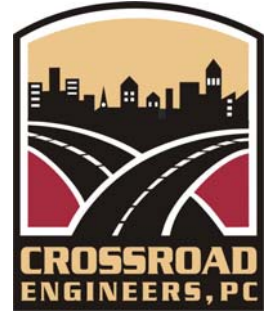
Organizations and individuals are asked to submit a request form and supporting documents to be placed on the agenda. You will be contacted by the City confirming the date of the meeting in which your request will be heard. Please make sure that your contact information is accurate in case we need to get in touch with you. The Board of Works meets on the 1st and 3rd Monday of each month at 5:00 p.m. in City Hall located at 70 E. Monroe Street.

Date Submitted:	April 27, 2017	Meeting Date:	May 1, 2017
Contact Information:			
Requested by:	Mark Richards		
On Behalf of Organization or Individual:			
Telephone:	317-736-3631		
Email address:	mrichards@franklin.in.gov		
Mailing Address:	70 E. Monroe St., Franklin, IN		
Describe Request:			
Consideration of contract with CrossRoad Engineers to provide design services for Brookhaven Drive extension to Commerce Parkway.			
List Supporting Documentation Provided:			
Proposal / letter agreement			
Who will present the request?			
Name:	Mark Richards	Telephone:	317-736-3631

In order for an individual and/or agency to be considered for new business on the Board of Works agenda, this reservation form and supporting documents must be received in the Mayor's office no later than 4:00 p.m. on the Wednesday before the meeting.

March 20, 2017

Mr. Mark Richards, P.E.
City Engineer
City of Franklin
70 E. Monroe Street
Franklin, IN 46131



RE: Fee Proposal
Brookhaven Drive Extension Project
Franklin, Indiana

Dear Mark:

CrossRoad Engineers is pleased to present this Scope of Services and Fee Proposal to provide professional services associated with the extension of Brookhaven Drive from its west terminus west of Bridlewood Drive and going west to the intersection with Commerce Parkway. This is a length of approximately 1450 feet and will include new pavement, storm sewers, curbs, curb ramps, sidewalks, and lighting. We will coordinate with the City on the typical section of the pavement for this design as well as the design of any potential detention and water quality features.

We have based our Fee Proposal on the aforementioned assumptions. The following Scope of Services is designed to assist you in the development of this project:

A. TOPOGRAPHIC SURVEY

CrossRoad Engineers will perform the field work and office work necessary to complete a Topographic Survey for this project. Included will be information such as one foot contouring, existing street elevations, existing sanitary and storm structures, and verification of existing utilities. This survey will also all research, office work, and field work necessary to re-establish the existing Right-of-Ways at either end of the project and parcel boundaries as needed for proposed right of way for the project.

B. PRELIMINARY PHASE

After the survey is completed, we will prepare a preliminary layout that will identify the existing site amenities and will identify proposed project features such as the proposed street improvements, parking area layout, sidewalks, drainage structure improvements, lighting, etc. Once the layout has been completed, we will meet with you to discuss and make any necessary adjustments. This plan will then be used to complete the design of the project.

C. DESIGN & CONSTRUCTION DRAWINGS

We will design all of the elements of the development necessary to insure the workability of:

- Roadway
- Sidewalk, ramps, crosswalks
- Storm ditches, structures as necessary
- Detention and water quality as directed
- Street lighting

Construction drawings will be prepared in accordance with all state and local laws and ordinances and will include the following:

- Storm structures & drainage
- Plan & Profiles and Construction Details
- Lighting and signage plans
- Erosion control plans
- Maintenance of Traffic Details

D. RIGHT OF WAY PLAT AND DESCRIPTION, REGULATORY SUBMITTALS & BIDDING PHASE

In order for the necessary Right of Way to be dedicated, we will prepare the Plat and Legal Description and provide to the City. The City will provide all other necessary dedication documents and will manage the dedication for said Right of Way.

As part of this phase of work we will also prepare the necessary applications for submittal and review and/or approval of the construction plans prepared as part of this agreement. This task will include engineer's estimates as well as the necessary administration services for preparing the submittals as well as time associated with the coordination efforts with the local regulatory agencies. This work will also include the services necessary to facilitate bidding of the project.

E. CONSTRUCTION STAKING, INSPECTION & AS-BUILT PLANS

Once design is complete, CrossRoad Engineers will perform construction staking, inspection, and as-built plans for this project. This work will be provided on an hourly basis with a Not-to-Exceed amount to be determined once design is completed.

F. METHOD FOR PAYMENT OF ENGINEERING FEES

During the course of this work, progress invoices will be prepared for the portions of the work done to date based on the Fee Schedule included with this document as Attachment "A". Prior to preparing these invoices, we will contact you to discuss the amount of work that is complete and, therefore, the dollar amount that each invoice will be. These invoices will be submitted by the 5th of each month and will become due by the 30th of that same month. Invoices not paid within 30 days after submission to you will accrue interest at a rate of 1.5% per month.

G. UNDERSTANDINGS

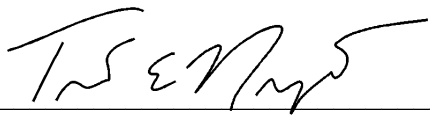
For additional services not covered herein, the work will be performed as authorized by you at a mutually agreed upon rate. Also, should the City decide to cancel the project at any time on the phases worked on up until that time will be invoiced.

Items not included are acquisition of building permits, sanitary sewer connection permits, regulatory fees to accompany permit applications, and permits normally obtained by the contractor(s). Payment for these items will not be the responsibility of CrossRoad Engineers.

We are ready to begin and appreciate your allowing CrossRoad Engineers to design this project for you. If you have any questions, please call me at 780-1555 ext. 114.

Sincerely,

CrossRoad Engineers, PC



Trent E. Newport, P. E., L. S.
President

Please signify your acceptance by signing below:

City of Franklin

Date

ATTACHMENT “A”

FEE SCHEDULE

The total lump sum fee is divided into the following work components for billing purposes:

A.	TOPOGRAPHIC SURVEY	\$10,500
B.	PRELIMINARY PHASE	\$12,000
C.	DESIGN & CONSTRUCTION DRAWINGS	\$40,000
D.	RIGHT OF WAY PLAT AND DESCRIPTION, REGULATORY SUBMITTALS & BIDDING PHASE	\$10,000
E.	CONSTRUCTION STAKING, INSPECTION & AS-BUILT PLANS	TBD
TOTAL (not including item E above)		\$ 72,500

CITY OF FRANKLIN
PROJECT: BROOKHAVEN DRIVE

ITEM CODE	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
105-06845	CONSTRUCTION ENGINEERING	LS	1.0	\$ 15,000.00	\$ 15,000.00
110-01001	MOBILIZATION AND DEMOBILIZATION	LS	1.0	\$ 75,000.00	\$ 75,000.00
201-52370	CLEARING RIGHT OF WAY	LS	1.0	\$ 9,500.00	\$ 9,500.00
203-02000	EXCAVATION, COMMON	CYS	1820.0	\$ 23.00	\$ 41,860.00
205-12108	STORM WATER MANAGEMENT BUDGET	DOL	10000.0	\$ 1.00	\$ 10,000.00
205-12109	SWQCP PREP AND IMPLEMENTATION LEVEL 1	LS	1.0	\$ 25,000.00	\$ 25,000.00
207-09934	SUBGRADE TREATMENT, TYPE IB	SYS	5440.0	\$ 7.00	\$ 38,080.00
211-09264	STRUCTURE BACKFILL, TYPE 1	CYS	150.0	\$ 30.00	\$ 4,500.00
401-07353	QC/QA-HMA, 2, 64, SURFACE, 9.5mm	TON	396.0	\$ 105.00	\$ 41,580.00
401-07390	QC/QA-HMA, 2, 64, INTERMEDIATE, 19.0mm	TON	660.0	\$ 70.00	\$ 46,200.00
401-07423	QC/QA-HMA, 2, 64, BASE, 19.0mm	TON	1584.0	\$ 65.00	\$ 102,960.00
401-10258	JOINT ADHESIVE, SURFACE	LFT	2880.0	\$ 1.00	\$ 2,880.00
401-10259	JOINT ADHESIVE, INTERMEDIATE	LFT	2880.0	\$ 1.00	\$ 2,880.00
401-11785	LIQUID ASPHALT SEALANT	LFT	2880.0	\$ 1.00	\$ 2,880.00
406-05520	ASPHALT FOR TACK COAT	TON	3.0	\$ 550.00	\$ 1,650.00
604-06070	SIDEWALK, CONCRETE	SYS	1920.0	\$ 34.00	\$ 65,280.00
605-52807	COMBINED CONCRETE CURB AND GUTTER, 6 IN., MODIFIED	LFT	2880.0	\$ 15.00	\$ 43,200.00
621-06567	WATER	KGAL	8.0	\$ 1.00	\$ 8.00
621-06575	SODDING, NURSERY	SYS	2240.0	\$ 4.00	\$ 8,960.00
628-09402	FIELD OFFICE, B	MOS	4.0	\$ 2,000.00	\$ 8,000.00
715-05048	PIPE, TYPE 4, CIRCULAR, 6 IN.	LFT	2880.0	\$ 3.50	\$ 10,080.00
715-05053	PIPE, UNDERDRAIN, OUTLET 6 IN.	LFT	60.0	\$ 20.00	\$ 1,200.00
715-05149	PIPE, TYPE 2, CIRCULAR, 12 IN.	LFT	280.0	\$ 45.00	\$ 12,600.00
715-05152	PIPE, TYPE 2, CIRCULAR, 18 IN.	LFT	100.0	\$ 50.00	\$ 5,000.00
715-46000	PIPE END SECTION, DIAMETER 12 IN.	EACH	14.0	\$ 500.00	\$ 7,000.00
715-46010	PIPE END SECTION, DIAMETER 18 IN.	EACH	8.0	\$ 600.00	\$ 4,800.00
718-52610	AGGREGATE FOR UNDERDRAINS	CYS	260.0	\$ 50.00	\$ 13,000.00
718-99153	GEOTEXTILE FOR UNDERDRAIN	SYS	1920.0	\$ 2.50	\$ 4,800.00
720-98174	INLET, B15	EACH	14.0	\$ 2,700.00	\$ 37,800.00
801-03290	CONSTRUCTION SIGN, C	EACH	2.0	\$ 220.00	\$ 440.00
801-04308	ROAD CLOSURE SIGN ASSEMBLY	EACH	2.0	\$ 300.00	\$ 600.00
801-06640	CONSTRUCTION SIGN, A	EACH	2.0	\$ 240.00	\$ 480.00
801-06645	CONSTRUCTION SIGN, B	EACH	4.0	\$ 75.00	\$ 300.00
801-06775	MAINTAINING TRAFFIC	LS	1.0	\$ 10,000.00	\$ 10,000.00
801-07119	BARRICADE, III-B	LFT	64.0	\$ 15.00	\$ 960.00
802-05701	SIGN POST, SQUARE, TYPE 1, REINFORCED ANCHOR BASE	LFT	175.0	\$ 20.00	\$ 3,500.00
802-05702	SIGN POST, SQUARE, TYPE 2, REINFORCED ANCHOR BASE	LFT	25.0	\$ 16.00	\$ 400.00
802-09838	SIGN, SHEET, WITH LEGEND, 0.080 IN.	SFT	85.0	\$ 20.00	\$ 1,700.00
802-09840	SIGN, SHEET, WITH LEGEND, 0.100 IN.	SFT	14.0	\$ 20.00	\$ 280.00
807-04744	LIGHTING	LS	1.0	\$ 50,000.00	\$ 50,000.00
808-03439	TRANSVERSE MARKING, THERMOPLASTIC, CROSSWALK, WHITE, 24 IN.	LFT	150.0	\$ 8.00	\$ 1,200.00
808-75246	LINE, THERMOPLASTIC, SOLID, YELLOW, 4 IN.	LFT	2880.0	\$ 1.00	\$ 2,880.00
808-75297	TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 24 IN.	LFT	15.0	\$ 5.00	\$ 75.00
	Estimated Cost				\$ 714,513.00
	15% contingency:				\$ 107,176.95
	Total Estimated Cost:				\$ 821,689.95