Louisville Metro Council City Agency Request

Neighborhood Development Fund (NDF) √Capital Infrastructure Fund (CIF) Municipal Aid Program (MAP)

Paving Fund (PAV)

Primary Sponsor: Robin Engel, District 22		
Amount: 18,459	Date: 1-23-2017	
Description of program/project including location of project/program and any exter		nal funding sources,
Preliminary engineering including cost estimates in Fern Creek Road north of Beulah Church Road in and add turn lane. Alternative 2: Improve crest v	itersection. Alternative 1:	
Funding to come from District 22 CIF Account.		
		·
City Agency: Public Works	······································	
Contact Person: Dirk Gowin		
Agency Phone: 502.574.5925		
I have reviewed this request for an expended determined the funds will be used for a purpose documentation from the receiving departs	ıblic purpose and have	the attached
•	iblic purpose and have a ment concerning the pro	the attached oject/expenditure.
determined the funds will be used for a purdocumentation from the receiving department	ıblic purpose and have	the attached
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determined the funds will be used for a purdocumentation from the receiving departree. 22 District # Council Member Signature Approved by: Appropriations Committee Chain	tblic purpose and have an ment concerning the prosection of the pr	Jan 26, 2017 Date
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NDF, CIF, MAP OR PAV INTERAGENCY CHECK	KLIST					
Interagency Name: Public Works						
Program/Project Name: Beulah Church Rd at Fern Creek Rd Safety Improvements						
	Yes/No/NA					
Request Form: Is the Request Signed by all Council Member(s) Appropriating Funding?	Yes					
Request Form: If matching funds are to be used, are they disclosed with account numbers in the request form description?	NA					
Request Form: If matching funds are to be used, does the amount of the request exclude the matching fund amount?	NA					
Request Form: If other funds are to be used for this project, are they disclosed with account numbers in the request form description?	Yes					
Funding Source: If CIF is being requested, does Metro Louisville own/will own the real estate, building or equipment? If not, the funding source is probably NDF.	Yes					
Funding Source: If CIF is being requested, does the project have a useful life of more than one year? If not, the funding source is probably NDF.	Yes					
Ordinance Required: Is the NDF request to a Metro Agency greater than \$5,000? If so, an ordinance is required.	NA					
Ordinance Required: Is the request a transfer from NDF to cost center? If so, is the amount given for the fiscal year \$25,000 or less?	No					
Supporting Documentation: Does the attachment include a valid estimate and description of cost?	Yes					

Submitted by: Leslie Curneal, Legislative Assistant for Robin Engel, Dist 22 Date: Jan 26, 2017



1046 E. Chestnut Street Louisville, Kentucky 40204 502-585-2222 www.qk4.com

January 12, 2017

Mr. Dirk Gowin, PE, PLS Louisville Metro Public Works 444 South Fifth Street Suite 400 Louisville, Kentucky 40202

Beulah Church Road at Fern Creek Road Safety Improvement Contract #314578

Dear Mr. Gowin:

Submitted herewith is our fee proposal for the referenced project.

Project Description

Preliminary Engineering including cost estimates for study of two alternatives to improve safety on Fern Creek Road north of Beulah Church Road intersection.

- Alternative 1 Widen existing road and add turn lane
- Alternative 2 Improve crest vertical curve

Attachment 1 shows conceptual alternatives and photos of existing conditions.

Engineering Services

- Geometric Design
- Property Impacts and Cost
- Utility Impacts and Cost
- Construction Cost Estimate
- Meetings one project team meeting (plus 2 miscellaneous).

Note: No survey is estimated (use available LiDAR; existing plans and Lojic). Public Involvement is not required at this time.



Mr. Dirk Gowin, PE, PLS January 12, 2017 Page 2

Schedule

Based on an estimated Notice to Proceed of January 26, 2017, the following is a schedule for completing the project:

Preliminary Layout February 22, 2017 Submittal for Review February 28, 2017 Project Team Meeting March 9, 2017 Final Submittal March 24, 2017

The fee to accomplish this work under Contract #314578 is \$18,500 (Attachment 2 includes hours and rates as back-up).

Let me know if you need additional information or have any questions.

Sincerely,

Albert H. Zimmerman, PE

Albert H. Zimmum

Project Manager

AHZ/cw Enclosures

File ID: U:\15850 Metro GEC\15850 Beulah Church Rd at Fern Creek Rd\Fee Proposal

File No: Cover Letter_Dirk Gowin_20170112.doc

ATTACHMENT 1

Conceptual – Alternative 1



Conceptual – Alternative 2



Existing Conditions



SB Fern Creek 600 ft From Beulah Church Road



SB Fern Creek at crest



Intersection

ATTACHMENT 2

Fern Creek Road at Beluah Church Road - Safety Improvements Jefferson County

ENGINEERS FEE PROPOSAL

	COUNTY	Jefferson			DATE		1/11/2017
	PROJECT UPN FED. NO.	Fern Creek Road					
	FED. NO.	•		- Walliam - II - I	- -		
						Γ	Estimated
	FEE CONSIDE	RATIONS	Man Hours	Negotiated	Average Rate		Cost
1	SURVEY		0		\$32.11	\$	-
		LINE & GRADE	124		\$41.48	\$	5,144
	RIGHT OF WA		-		\$41.48	\$	-
4	FINAL PLAN PI	REPARATION	0		\$41.48	\$	
5	MEETINGS		6		\$56.10	\$	337
6	RIGHT OF WA	Y PUBLIC INVOLVEMENT	-	·	\$56.10	\$	-
				<u> </u>	1	L	All
		TOTALS	. 130		***************************************	\$	5,481
LIST OF	OTHER DIREC	T COSTS		TOTAL DIRECT	PAYROLL	\$	5,481
1.	Direct Costs	\$1,410		*OVERHEAD (1	70.11%)		9,324
••	<u> </u>			PROFIT (15%)	,	<u>\$</u> \$	2,221
				SUBCONSULTA	ANTS		
	**************************************	Total \$1,410		OTHER DIRECT	T COSTS	\$	1,410
SUBCO	NSULTANTS			COST OF MON	EY		
1.				0.41668% X	\$5,481	\$	23
2							
3		A Market Annual Control of the Contr		TOTAL PROPO	SED FEE	\$	18,459
FIRM NA	AME	Qk4	SIGNATURE	Albert 7	1. Zimmem	ن بند	
DATE		11-Jan-17	TITLE		Vice President		
DAIE		11-Jan-17			.,00 , ,00140110		

Fern Creek Road Jefferson County

PRODUCTION-HOUR WORKSHEET						
COU	OUNTY Jefferson PROJECT TYPE			Design		
	TE Fern Creek Rd at Beulah Church Rd	CONSULTANT		Qk4		
	ERAL NO.			<u> </u>		
STAT	TË NO.	PREPARED BY		A. Zimmer	man	
ITEM	NO.	DATE		January 1	1, 2017	<u> </u>
	PRELIMINARY I	LINE AND	RAD)E		
No.	ITEM		UNIT	AMOUNT	HRS/UNIT	HOURS
30	Computer setup		LS	1	4	4
	Prepare existing manuscripts		Mile	1	8	8
	Establish approximate property lines and ownersh	nip	Parcel	15	0.25	4
	Study and develop typical sections		No.	2	1	2
34	Study and develop horizontal alignments		Mile	0.4	24	10
35	Study and develop vertical alignments		Mile	0.1	20	2
36	Create and evaluate proposed roadway models		Mile	0.4	100	40
37	Design entrances		No.	12	0.5	6
38	Pre-size pipes (all alternates)		No.			0
39	Pre-size culverts (all alternates)		No.			0
40	Pre-size bridges (all alternates)		No.			0
41	Develop Highway Capacity Analysis		LS			0
42	Study and development of interchange		No.			0
43	Study and development of intersection		No.	2	4	8
44	Study and develop maintenance of traffic plan		LS	1	4	4
45	Plot/print copies of plans for team meeting and in	spections	LS	. 1	8	8
46	Calculate preliminary quantities and develop cost	estimates	Alt.	2	8	16
47	Revise plans and estimates		LS	1	8	8
48	Preliminary R/W with taking areas		Parcel	15	0.25	4
49	Prepare design executive summary		LS			0
50	Develop/document "Avoidance Alternatives to Wa	ater Related Impact	LS			0
	PRELIMINARY LINE & GRADE MISCELLA			<u> </u>	·	
51						
52						
53						
54						
55						
56						
57						
58				-		
59				-		
H31236117-117-17-17-17-17	PRELIMINARY LINE AN	ID GRADE TOT	AL			124

Fern Creek Road Jefferson County

PRODUCTION-H	OUR WORKS	HEET		
COUNTY Jefferson	PROJECT TYPE	Design		
ROUTE Fern Creek Rd at Beulah Church Rd	CONSULTANT	Qk <u>4</u>		
FEDERAL NO.		<u> </u>		Take 198
STATE NO.	PREPARED BY	A. Zimmei		
ITEM NO.	DATE	Ja <u>nuary 1</u>	1, 2017	
MEE	TINGS			
No. ITEM	UNI	T AMOUNT	HRS/UNIT	HOURS
150 Prelim. line and grade inspection	No			0
151 Drainage inspection (3 persons)	No			0
152 Final inspection (3 persons)	No			0
153 Misc. project coordination meetings (2 persons)				2
154 Project team meetings (2 persons)	No	1	4	4
MEETINGS MISCELLANEOUS			,	
155				
156				
157				
158				
MEETINGS	IOIAL			6
PUBLIC IN	VOLVEMENT			
No. ITEM	UNI	T AMOUNT	HRS/UNIT	HOURS
160 Develop and Maintain Mailing List	UNI		HRS/UNIT	0
160 Develop and Maintain Mailing List 161 Prepare for Advisory Committee/Officials Meeting	UNI LS g No		HRS/UNIT	0
160 Develop and Maintain Mailing List	UNI LS g No		HRS/UNIT	0
160 Develop and Maintain Mailing List 161 Prepare for Advisory Committee/Officials Meetin 162 Attend Advisory Committee/Officials Meeting	UNI LS g No		HRS/UNIT	0
160 Develop and Maintain Mailing List 161 Prepare for Advisory Committee/Officials Meeting 162 Attend Advisory Committee/Officials Meeting 163 Prepare for Public Meetings/Hearings	UNI LS g No # of persons) No		HRS/UNIT	0 0
160 Develop and Maintain Mailing List 161 Prepare for Advisory Committee/Officials Meetin 162 Attend Advisory Committee/Officials Meeting († 163 Prepare for Public Meetings/Hearings	UNI LS g No # of persons) No No		HRS/UNIT	0 0 0 0
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CLASSIFICATIONS AND PERCENTAGES FOR DESIGN

start: 1/26/2017 end: 3/24/2017 Meetings & Structures	2 2 2 2 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3	Structure Structure \$5.31 % \$13.93 % \$14.17 % \$14.17 % \$8.49 % \$0.00	Structure Structure \$5.31
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* Effective Date 2/5/2016

Direct Cost Summary Qk4

				Unit		
Item	•	Amount	Unit	Cost	Cost	Totals
Survey						\$0
	mileage, 4 wheel drive round trip	•		20 54	••	
	to Lyndon (1 @ 20 miles)	0	mi Maala	\$0.54	\$0 ©0	
	meals	0	Meals	\$30.00 \$45.00	\$0 ©0	
	computer time @ 5% travel time (4 days x 2 person crew x 1	0	hours	\$15.00	\$0	
	hours/day)		hours	\$40.79	\$0	
	(Ave. Rate \$31.38 x 1.3 = \$40.79/hour)			•		

Prelimina	ry Line & Grade	00	la	#45.00	#4 00 F	\$1,395
	computer time @ 75%	93	hours	\$15.00	\$1,395	
Right of V	Vay Plans/Final Design					\$0
11.6.1.01	computer time @ 75%	0	hours	\$15.00	\$0	**
Structure	Design					\$0
	computer time @ 75%	0	hours	\$15.00	\$0	
Mootings	/ Dublic Involvement					\$15
Meenings	/ Public Involvement mileage (0 trips @ 0 miles)		mi	\$0.47	\$0	ΨΙΟ
	computer time @ 10%	1	hours	\$15.00	\$15	
	travel time (0 trips *0 hrs per round trip)	•	hours	\$65.98	\$0	
	(Average Rate - from Classification Sheet)					

Total \$1,410