

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 public purpose, additional funding sources, location of project/program and any external grantee(s):

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.

Funding to come from District 22 CIF Account.

City Agency: Public Works

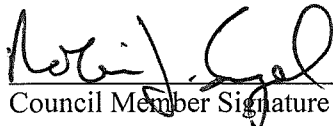
Contact Person: Dirk Gowin

Agency Phone: 502.574.5925

I have reviewed this request for an expenditure of city tax dollars, and have determined the funds will be used for a public purpose and have the attached documentation from the receiving department concerning the project/expenditure.

22

District #


 Council Member Signature

18,459

Amount

Jan 26, 2017

Date

Approved by: _____
 Appropriations Committee Chairman Date

Clerk's Office & OMB Use Only:

Request Amount: _____ Amended Amount: _____

Reference #: _____ To OMB: _____

Budget Revision #: _____

Account #: _____

To Project Manager: _____ Completion Date: _____

Actual Cost: _____ Funds Returned: _____

NDF, CIF, MAP OR PAV INTERAGENCY CHECKLIST

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,

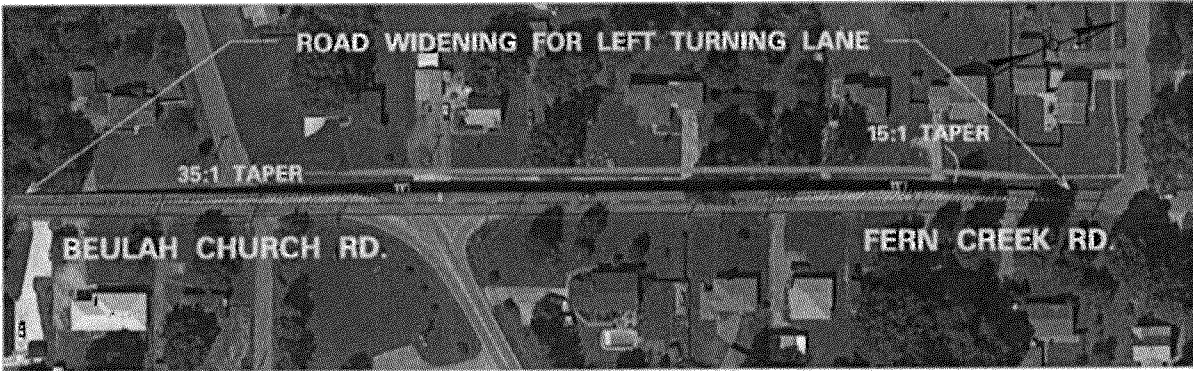
Albert H. Zimmerman, PE
Project Manager

AHZ/cw
Enclosures

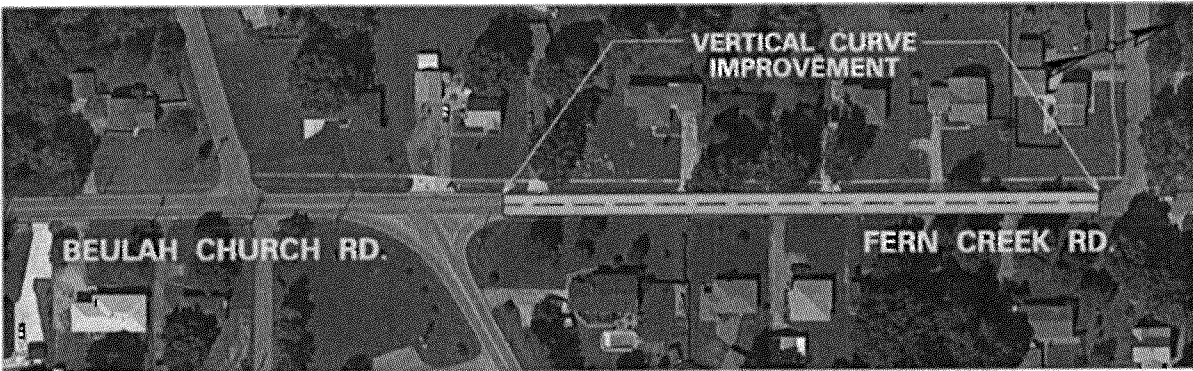
File ID: U:\15850 Metro GEC\15850 Beulah Church Rd at Fern Creek Rd\Fee Proposal
File No: Cover Letter_Dirk Gowin_20170112.doc

ATTACHMENT 1

Conceptual – Alternative 1



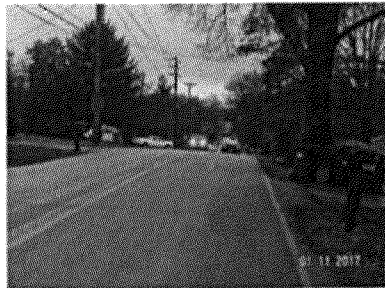
Conceptual – Alternative 2



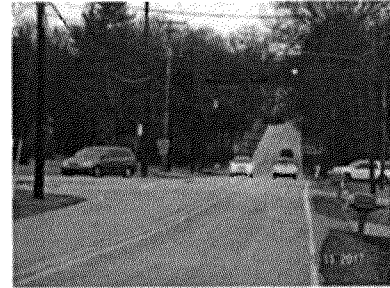
Existing Conditions



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 Fern Creek Road
 UPN _____
 FED. NO. _____

FEE CONSIDERATIONS	Man Hours	Negotiated	Average Rate	Estimated Cost
1 SURVEY	0		\$32.11	\$ -
2 PRELIMINARY LINE & GRADE	124		\$41.48	\$ 5,144
3 RIGHT OF WAY PLANS	-		\$41.48	\$ -
4 FINAL PLAN PREPARATION	0		\$41.48	\$ -
5 MEETINGS	6		\$56.10	\$ 337
6 RIGHT OF WAY PUBLIC INVOLVEMENT	-		\$56.10	\$ -
TOTALS	130			\$ 5,481

LIST OF OTHER DIRECT COSTS

1.	Direct Costs	\$1,410
	Total	\$1,410

SUBCONSULTANTS

1.	_____
2.	_____
3.	_____

TOTAL DIRECT PAYROLL	\$ 5,481
*OVERHEAD (170.11%)	\$ 9,324
PROFIT (15%)	\$ 2,221
SUBCONSULTANTS	
OTHER DIRECT COSTS	\$ 1,410
COST OF MONEY	
0.41668% X \$5,481	\$ 23
TOTAL PROPOSED FEE	\$ 18,459

FIRM NAME Qk4
 DATE 11-Jan-17

SIGNATURE *Albert H. Zimmerman*
 TITLE Vice President

Fern Creek Road
Jefferson County

PRODUCTION-HOUR WORKSHEET

COUNTY <u>Jefferson</u>	PROJECT TYPE <u>Design</u>	
ROUTE <u>Fern Creek Rd at Beulah Church Rd</u>	CONSULTANT <u>Qk4</u>	
FEDERAL NO. _____		
STATE NO. _____	PREPARED BY <u>A. Zimmerman</u>	
ITEM NO. _____	DATE <u>January 11, 2017</u>	

PRELIMINARY LINE AND GRADE

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
30	Computer setup	LS	1	4	4
31	Prepare existing manuscripts	Mile	1	8	8
32	Establish approximate property lines and ownership	Parcel	15	0.25	4
33	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 inspections	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 Water Related Impact	LS			0
PRELIMINARY LINE & GRADE MISCELLANEOUS					
51					
52					
53					
54					
55					
56					
57					
58					
59					
PRELIMINARY LINE AND GRADE TOTAL					124

Fern Creek Road
Jefferson County

PRODUCTION-HOUR WORKSHEET

COUNTY <u>Jefferson</u>	PROJECT TYPE <u>Design</u>	
ROUTE <u>Fern Creek Rd at Beulah Church Rd</u>	CONSULTANT <u>Qk4</u>	
FEDERAL NO. _____		
STATE NO. _____	PREPARED BY <u>A. Zimmerman</u>	
ITEM NO. _____	DATE <u>January 11, 2017</u>	

MEETINGS

No.	ITEM	UNIT	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)	No.	2	1	2
154	Project team meetings (2 persons)	No.	1	4	4
MEETINGS MISCELLANEOUS					
155					
156					
157					
158					
MEETINGS TOTAL					6

PUBLIC INVOLVEMENT

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
160	Develop and Maintain Mailing List	LS			0
161	Prepare for Advisory Committee/Officials Meeting	No.			0
162	Attend Advisory Committee/Officials Meeting (# of persons)	No.			0
163	Prepare for Public Meetings/Hearings	No.			0
164	Attend Public Meetings/Hearings (# of persons)	No.			0
165	Prepare and Distribute Newsletter	No.			0
166	Property owner coordination	No.			0
PUBLIC INVOLVEMENT MISCELLANEOUS					
167	Prepare for Right of Way Informational Meeting	No.			0
168	Attend Right of Way Informational Meeting (3 persons)	No.			0
169					
PUBLIC INVOLVEMENT TOTAL					0

PRODUCTION-HOUR SUMMARY

SURVEY TOTAL	0
LINE AND GRADE TOTAL	124
RIGHT OF WAY PLANS TOTAL	0
FINAL PLANS TOTAL	0
MEETINGS TOTAL	6
PUBLIC INVOLVEMENT TOTAL	0
GRAND TOTAL	130

**Direct Cost Summary
Qk4**

Item	Amount	Unit	Unit Cost	Cost	Totals
Survey					\$0
mileage, 4 wheel drive round trip to Lyndon (1 @ 20 miles)	0	mi	\$0.54	\$0	
meals		Meals	\$30.00	\$0	
computer time @ 5%	0	hours	\$15.00	\$0	
travel time (4 days x 2 person crew x 1 hours/day)		hours	\$40.79	\$0	
(Ave. Rate \$31.38 x 1.3 = \$40.79/hour)					
Preliminary Line & Grade					\$1,395
computer time @ 75%	93	hours	\$15.00	\$1,395	
Right of Way Plans/Final Design					\$0
computer time @ 75%	0	hours	\$15.00	\$0	
Structure Design					\$0
computer time @ 75%	0	hours	\$15.00	\$0	
Meetings / Public Involvement					\$15
mileage (0 trips @ 0 miles)		mi	\$0.47	\$0	
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