

CONTRACT DATA SHEET

PSC Type (check one): New Addendum Sole Source: Yes No

Contractor Information	
1. Legal Name of Contractor:	<u>Gresham Smith Partners</u>
2. Address:	<u>101 South 5th Street</u>
3. City, State, & Zip:	<u>Louisville Kentucky 40202</u>
4. Contractor Contact Person:	<u>David Stills, PE</u>
5. Phone:	<u>(502) 627-8920</u> Email: <u>dave_stills@gspnet.com</u>
6. Revenue Commission Taxpayer ID#:	[REDACTED]
7. Federal Tax ID # (SSN if sole proprietor):	[REDACTED]

Department Information	
8. Requesting Department:	<u>Public Works</u>
9. Contact Person Name & Telephone:	<u>John Cosper, PE (502) 574-3197</u>

Contract Information	
10. Not to exceed amount:	<u>\$ 314,302.00</u>
11. Are expenses reimbursed?	<u>no</u>
12. If yes list allowable expenses and maximum amount reimbursable:	<u>not applicable</u>
13. Beginning and ending date of the contract:	<u>August 1, 2012 to end of project (per Amendment)</u>
14. Funding Source	<u>(8671-410-8210-148146-841201)</u> Federal Funds <input type="checkbox"/> yes <input type="checkbox"/> no
15. Scope & Purpose of the contract:	
<u>To widen and otherwise improve Buechel Bank Road from Buechel Bypass to the GE Entrance Road (near Newburg Road), to enhance traffic flow and public safety, and to design a roundabout at the intersection of Buechel Bank Road with the GE Entrance Road</u>	

Authorizations	
Department Director:	<u>Vanessa Dale Burn</u> Date: <u>3/10/16</u>
Purchasing Director:	<u>Joel Nemmer</u> Date: <u>3/14/16</u>
County Attorney:	_____ Date: _____
<i>The County Attorney has written the attached Professional Service Contract or Sole Source Contract and has approved that document as to the legality of the instrument itself only and as to its form.</i>	

For Purchasing Use Only	
Contractor is registered and in good standing with the Revenue Commission	_____
Human Relations Commission requirements have been met	_____
Insurance requirements have been satisfied	_____
If federally funded, Federal Debarment standing has been verified	_____

Attach all justification documentation to this form, along with signed Written Findings Form.

WRITTEN FINDINGS

EXPLAINING NECESSITY FOR USING NONCOMPETITIVE NEGOTIATION FOR PSC

This document constitutes written request and findings, as required by KRS 45A.380 stating the need to purchase through noncompetitive negotiation. By the signatures listed below, the Requesting Department has determined, and the Chief Financial Officer concurs, that competition is not feasible because:

_____ A. An emergency exists which will cause public harm as a result of the delay in competitive procedures. **** Mayors Approval required for emergency purchases exceeding \$10,000.**

_____ B. There is a single source within a reasonable geographic area of the supply or service to be procured or leased (attach sole source determination from the Purchasing Department).

XXX _____ C. The contract is for the services typically provided by a licensed professional, such as an attorney, architect, engineer, physician, certified public accountant, registered nurse, or educational specialist; a technician such as a plumber, electrician, carpenter, or mechanic; an artist such as a sculptor, aesthetic painter, or musician; or a non-licensed professional such as a consultant, public relations consultant, advertising consultant, developer, employment department, construction manager, investment advisor, or marketing expert and the like.

_____ D. The contract is for the purchase of perishable items purchased on a weekly basis, such as fresh fruits, vegetables, fish, or meat.

_____ E. The contract is for replacement parts where the need cannot reasonably be anticipated and stockpiling is not feasible.

_____ F. The contract is for proprietary items for resale.

_____ G. The contract or purchase is for expenditures made on authorized trips outside the boundaries of the city.

_____ H. The contract is for the purchase of supplies which are sold at public auction or by receiving sealed bids.

_____ I. The contract is for group life insurance, group health and accident insurance, group professional liability insurance, worker's compensation insurance, or unemployment liability insurance.

_____ J. The contract is for a sale of supplies at reduced prices that will afford a purchase at savings to the Metro Government.

_____ K. The contract was solicited by competitive sealed bidding and no bids were received from a responsive and responsible bidder.

_____ L. Where, after competitive sealed bidding, it is determined in writing that there is only one (1) responsive and responsible bidder.

Vanessa Dale Burr 2/12/11
Requesting Department Director Date

**Mayor Date
****Signature is required only for Written Finding A**

Paul Neenan 3/14/16
OMB/Purchasing Approval Date

MEMORANDUM

LOUISVILLE-JEFFERSON COUNTY
METRO GOVERNMENT

March 10, 2016

TO: OMB/Purchasing

FROM: Vanessa D. Burns ^{VDB} - Director, Public Works

SUBJECT: Amendment to Contract 283205 between
Gresham Smith & Partners and Louisville Metro Government

This is a request to amend Contract 283205 between Gresham Smith & Partners and Louisville Metro Government. This Contract provides for final design of major roadway improvements along Buechel Bank Road from Buechel Bypass to the GE Entrance Road. This Amendment will provide for additional work as follows:

- Modify the original design to realign the intersection of Bruce Avenue with Beuchel Bank Road. This will obviate the previous requirement to purchase a homeowner occupied dwelling. This change also requires modifications to the project right of way plans.
- Redesign the intersection of Buechel Bank Road at the GE Entrance Road, near Newburg Road. The new design will create a roundabout at this location which will improve traffic flow and safety, and will eliminate one signalized intersection.
- Modify the Right of Way plans to accommodate a change in KYTC policy requiring that temporary easements for drainage purpose must now be permanent easements.

If there are any questions in regard to this requested amendment, please contact the Metro Public Works project manager, John Cosper, at 574-3197.

Thank you!

THIRD AMENDMENT TO AGREEMENT

This Third Amendment to Agreement, made and entered into by and between the **LOUISVILLE/JEFFERSON COUNTY METRO GOVERNMENT**, by and through its **DEPARTMENT OF PUBLIC WORKS AND ASSETS** herein referred to as “**METRO GOVERNMENT**”, and **GRESHAM SMITH AND PARTNERS**, with offices located at 101 South Fifth Street, Louisville, Kentucky 40202, herein referred to as “**CONSULTANT**”,

WITNESSETH:

WHEREAS, the Metro Government and Consultant entered into an Agreement with respect to a widening and improvement project for Buechel Bank Road; and

WHEREAS, the parties wish to amend the Agreement by increasing its not-to-exceed amount and to add final design of construction documents to the Agreement’s scope of work;

NOW, THEREFORE, it is agreed by and between the parties hereto as follows:

Section I. That Section II, Fees and Compensation, Subsection A shall be amended in its entirety to read as follows:

A. Consultant shall be reimbursed for professional services rendered according to the terms of this Agreement as described on Attachment B attached hereto and fully incorporated herein and as described on Attachment A to the Agreement’s Third Amendment attached thereto and fully incorporated therein. Total compensation payable to Consultant for services rendered pursuant to this Agreement shall not exceed **THREE HUNDRED FOURTEEN THOUSAND THREE HUNDRED TWO DOLLARS (\$314,302.00)**.

Section II. All other terms and conditions as set forth in the Agreement shall remain in full force and effect as if fully set out herein.

APPROVED AS TO FORM
AND LEGALITY:

MICHAEL J. O'CONNELL
JEFFERSON COUNTY ATTORNEY

Date: _____

LOUISVILLE/JEFFERSON COUNTY
METRO GOVERNMENT

Vanessa Burns

VANESSA BURNS, DIRECTOR,
DEPARTMENT OF PUBLIC WORKS
AND ASSETS

Date: 3/21/16

GRESHAM SMITH AND PARTNERS

By: Daniel M. Still

Title: Principal

Date: 3/21/2016

Taxpayer
(TIN): _____

Louisville/Jefferson County
Revenue Commission Account
No.: _____

PSC 2013-xxxx Works with Gresham Smith and Partners Third Amendment 102915 [pr]

ATTACHMENT A

TRANSPORTATION CABINET
Division of Professional Services
ENGINEERING AND RELATED SERVICES FEE PROPOSAL

COUNTY Jefferson (CM No. 3)
PROJECT Buechel Bank Road - Reloc. Bruce Ave, R/W Revisions, Sec 2 Roundabout Report
AGREE. NO. _____
MARS NO. _____
ITEM NO. 5-8001.00

FEE CONSIDERATIONS		Negotiated	Man Hours	Average Rate	Estimated Cost
ITEM					
I	SURVEY		15	\$38.90	\$ 584
II	LINE AND GRADE		19	\$53.58	\$ 1,018
III	RIGHT OF WAY PLANS		136	\$53.49	\$ 7,275
IV	FINAL PLANS		140	\$53.49	\$ 7,489
V	MEETINGS		37	\$54.69	\$ 2,024
VI	PUBLIC INVOLVEMENT		10	\$57.88	\$ 579
VII	QA/QC		0	\$63.42	\$ -
TOTALS			357		\$ 18,969

LIST OF OTHER DIRECT COSTS

Printing	\$0
Travel	\$42
Meals	\$0
Postage & Freight	\$0
Total	\$42

TOTAL DIRECT PAYROLL	\$ 18,969
OVERHEAD 161.83%	\$ 30,698
PROFIT 15%	\$ 7,450
SUBCONSULTANTS	\$ -
OTHER DIRECT COSTS	\$ 42
COST OF MONEY (0.17%)	\$ 32

SUBCONSULTANTS

_____	\$0

TOTAL PROPOSED FEE	\$ 57,191
SHOP PLANS	_____

FIRM NAME Gresham, Smith and Partners

SIGNATURE *David M. Gills*

DATE 12/09/15

TITLE Principal

PRODUCTION-HOUR WORKSHEET						
COUNTY <u>Jefferson (CM #3)</u>			PROJECT TYPE <u>Multi-Lane Urban</u>			
ROUTE <u>Buechel Bank Road</u>			CONSULTANT <u>Gresham, Smith and Partners</u>			
DESC. <u>Reloc. Bruce Ave, R/W Revisions</u>			PREPARED BY <u>David Stills</u>			
<u>Roundabout Report (Section2)</u>			DATE <u>12/09/2015</u>			
ITEM NO. <u>5-8001.00</u>						
SURVEY						
No.	ITEM	CREW	UNIT	AMOUNT	HRS/UNIT	HOURS
RECONNAISSANCE						
1	Control - (existing) (Recover Control Points)	1	Mile			0
2	Utilities - (identify & contact)	1	No.			0
3	Drainage - (sink holes, streams, pipes, etc.)	1	Mile			0
CONTROL						
4	Horizontal (Re-Establish)	2	Mile			0
5	Vertical (Re-Establish)	2	Mile			0
6	Process data	1	Mile			0
PLANIMETRIC SURVEY						
7	Planimetric location <i>(pickup and update)</i>	2	Mile			0
8	Utilities location	2	Mile			0
9	Process data	1	Mile			0
TERRAIN SURVEY						
10	DTM data collection <i>(Items 11-18 not required if used)</i>	2	Acre			0
11	Verify terrain model accuracy	2	Mile			0
12	Tie-ins	2	No.			0
13	Drainage situations survey (Bridge)	2	No.			0
14	Drainage situations survey (Culvert)	2	No.			0
15	Drainage pipe section (non-situation size)	2	No.			0
16	Flood plain data	2	No.			0
17	Railroad Situation Survey	2	No.			0
18	Additional necessary DTM data @ Roundabout & Bruce Ave	1	Acre	1	10	10
19	Process data	1	Mile	0.10	10	1
ESTABLISH PROPERTY LINES & OWNERSHIP						
20	Contact & Interview Property Owners	1	Parcel			0
21	Field tie property lines/corners (Assume 10% revised)	2	Parcel			0
STAKING						
22	Stake centerlines, approaches, detours	2	Mile			0
23	Stake core holes - structures <i>(unit is per structure)</i>	2	No.			0
24	Stake core holes - roadway <i>(unit is per core hole)</i>	2	No.			0
SURVEY MISCELLANEOUS						
25	Determine roadway elevations (Crown and EP) @ Roundabout	1	Mile	0.25	8	2
26		2	No.			0
27	Bridge situation survey	2	No.			0
28	Obtain Miscellaneous Critical Topo	2	No.			0
29	Flood gate situation survey	2	No.			0
29A	Existing sewer manholes and inverts (pickup and update)	2	LS			0
29B	Existing catch basins and inverts (pickup and update)	2	LS			0
29C	Update levels and files to current KYTC Cadd Standards	1	LS			0
29D	Process data	1	LS	1	2	2
SURVEY TOTAL						15

PRODUCTION-HOUR WORKSHEET			
COUNTY <u>Jefferson (CM #3)</u>	PROJECT TYPE <u>Multi-Lane Urban</u>		
ROUTE <u>Buechel Bank Road</u>	CONSULTANT <u>Gresham, Smith and Partners</u>		
DESC. <u>Reloc. Bruce Ave, R/W Revisions</u>	PREPARED BY <u>David Stills</u>		
<u>Roundabout Report (Section2)</u>	DATE <u>12/09/2015</u>		
ITEM NO. <u>5-8001.00</u>			

PRELIMINARY LINE AND GRADE

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
30	Computer setup	LS			0
31	Prepare existing manuscripts	Mile			0
32	Establish approximate property lines and ownership	Parcel			0
33	Study and develop typical sections	No.	1	1	1
34	Study and develop horizontal alignments (Reloc. Bruce Ave)	LS	1	6	6
35	Study and develop vertical alignments (Reloc. Bruce Ave)	LS	1	2	2
36	Create and evaluate proposed roadway models (Reloc. Bruce Ave)	LS	1	4	4
37	Design entrances	No.			0
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.			0
44	Study and develop maintenance of traffic plan	LS			0
45	Plot/print copies of plans for team meeting and inspections	LS			0
46	Calculate preliminary quantities and develop cost estimates	Alt.			0
47	Revise plans and estimates	LS			0
48	Preliminary R/W with taking areas	Parcel	1	2	2
49	Prepare design executive summary (Update)	LS	1	4	4
50	Develop/document "Avoidance Alternatives to Water Related Impact	LS			0
PRELIMINARY LINE & GRADE MISCELLANEOUS					
51	Buechel Bank Rd@GE Appliance Park Entr. Int. (Prelim Design)	LS			0
52	Prepare for PL&G Meeting	LS			0
53					0
54					0
55					0
56					
57					
58					
59					
PRELIMINARY LINE AND GRADE TOTAL					19

PRODUCTION-HOUR WORKSHEET					
COUNTY <u>Jefferson (CM #3)</u>	PROJECT TYPE <u>Multi-Lane Urban</u>				
ROUTE <u>Buechel Bank Road</u>	CONSULTANT <u>Gresham, Smith and Partners</u>				
DESC. <u>Reloc. Bruce Ave, R/W Revisions</u> <u>Roundabout Report (Section2)</u>	PREPARED BY <u>David Stills</u>				
ITEM NO. <u>5-8001.00</u>	DATE <u>12/09/2015</u>				
RIGHT OF WAY PLANS					
No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
60	Deed research (verify no changes have happened)	Parcel			0
61	Establish property and ownership (Assume 10% revised)	Parcel			0
62	Calculate R/W (Includes Section 1 work)	Parcel	53	1	53
63	Prepare legal descriptions (Includes Section 1 work)	Parcel	53	1	53
64	Complete R/W summary sheet	Parcel	1	4	4
65	Generate right of way strip map (scale 1" =100')	Sheet	1	4	4
66	Prepare R/W Plans Submittal	LS	1	4	4
67	R/W revisions after R/W submittal	LS			0
R/W PLANS MISCELLANEOUS					
68	Establish leases (Recorded only)	LS			0
69	Final check & revisions (3 People)	LS			0
70	Coordinate R/W Plans with utility companies	LS			0
71	Generate right of way detail sheets (Scale: 1"=20') (Update)	Each	10	1	10
71a	Revise right of way detail sheets Reloc. Bruce Ave.	LS	1	8	8
RIGHT OF WAY PLANS TOTAL					136

PRODUCTION-HOUR WORKSHEET					
COUNTY <u>Jefferson (CM #3)</u>	PROJECT TYPE <u>Multi-Lane Urban</u>				
ROUTE <u>Buechel Bank Road</u>	CONSULTANT <u>Gresham, Smith and Partners</u>				
DESC. <u>Reloc. Bruce Ave, R/W Revisions</u> <u>Roundabout Report (Section2)</u>	PREPARED BY <u>David Stills</u>				
ITEM NO. <u>5-8001.00</u>	DATE <u>12/09/2015</u>				
FINAL PLAN PREPARATION					
No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
72	Computer setup	LS			0
73	Update existing topography and terrain model	Mile			0
74	Refine alignments (horizontal & vertical)	Mile	0.10	10	1
75	Develop pavement design	No.			0
76	Finalize templates & transitions	No.	1	1	1
77	Develop final roadway model	Mile	0.10	20	2
78	Develop proposed design	Mile	0.10	20	2
79	Generate plan sheets (scale 1" = 20') (Update)	Sheet	1	4	4
80	Generate profile sheets (scale 1" = 2' Vert & 20' Horz) (Update)	Sheet	1	4	4
81	Detail cross sections (scale 1" = 5') (Update)]	No.	8	0.5	4
82	Design entrances (Update)	No.	1	1	1
83	Revise roadway plans from soils report	Mile			0
DRAINAGE					
84	Develop pipe sections (< 54")	No.	1	1	1
85	Develop drainage system map	Mile	0.10	10	1
86	Develop drainage situation (bridge)	No.			0
87	Develop drainage situation (culvert)	No.			0
88	Develop blue line stream channel change (=> 200')	No.			0
89	Drainage analysis (entrance pipes)	No.	1	1	1
90	Drainage analysis (A <= 200 acres)	No.			0
91	Drainage analysis (200 acres < A < 1.0 sq. mile)	No.			0
92	Drainage analysis (A => 1.0 sq. mile) level 1 analysis	No.			0
93	Drainage analysis (A => 1.0 sq. mile) level 2 analysis	No.			0
94	Drainage analysis (A => 1.0 sq. mile) level 3 analysis	No.			0
95	Special drainage studies (Detention Basins)	No.			0
96	Roadway ditches and channels (Both Sides)	Mile	0.10	20	2
97	Develop Erosion Control Plan (Update)	Mile			0
98	Inlet spacing calculations	No.	2	0.5	1
99	Storm sewers calculations	No.	2	0.5	1
100	Perform scour analysis	No.			0
101	Assemble preliminary and final drainage folders	LS			0
102	Prep.advanced situation folder CSX bridge	No.			0
103	Prepare advanced situation folder 4th Street bridge	No.			0
DRAINAGE MISCELLANEOUS					
104	Develop/document "Assessment of Water Related Impacts"	LS			0
105	Drainage revisions after drainage inspection	LS			0
106	Coordinate storm sewer design with sanitary sewer District	LS			0
107	Coordinate Flood Gate & Flood Levee with USACE	Each			0

PRODUCTION-HOUR WORKSHEET					
COUNTY <u>Jefferson (CM #3)</u>		PROJECT TYPE <u>Multi-Lane Urban</u>			
ROUTE <u>Buechel Bank Road</u>		CONSULTANT <u>Gresham, Smith and Partners</u>			
DESC. <u>Reloc. Bruce Ave, R/W Revisions</u>		PREPARED BY <u>David Stills</u>			
<u>Roundabout Report (Section2)</u>		DATE <u>12/09/2015</u>			
ITEM NO. <u>5-8001.00</u>					
FINAL PLAN PREPARATION (Continued)					
No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
108	Prepare layout sheet	LS	1	2	2
109	Prepare typical sections	No.	2	2	4
110	Prepare Interchange geometric approval	No.			0
111	Prepare intersection geometric approval	No.			0
112	Prepare coordinate control sheet (update)	LS	1	4	4
113	Prepare elevation developments	No.			0
114	Prepare striping plan	No.			0
115	Calculate final quantities	LS	1	10	10
116	Complete general summary	LS	1	6	6
117	Complete paving summary	LS	1	6	6
118	Complete drainage summary	LS	1	6	6
119	Complete pavement under-drain summary	LS			0
120	Prepare cost estimate	LS	1	4	4
121	Plot/print copies of plans	LS	1	4	4
122	Plan revisions	Mile			0
123	Prep.final const.plans submittal (Includes updates and revisions)	LS			0
MAINTENANCE OF TRAFFIC					
124	Write maintenance of traffic notes (TCP)	LS	1	8	8
125	Prepare construction phasing plans	LS			0
126	Develop diversion plan sheets	Sheet			0
127	Develop diversion profile sheets	Sheet			0
128	Develop diversion cross sections	No.			0
129	Develop temporary drainage	No.			0
FINAL PLANS MISCELLANEOUS					
130	Electrical plans for floodgate: See Electrical Scope	LS			0
131	Plan revisions after final inspection	LS			0
132	Coordinate Plans with Louisville Metro/Future Development	LS			0
133	Coordinate plans with flood gate subconsultant	LS			0
134	Signal Plans	No.			0
135	Coordinate with CSX consultant	LS			0
137	Signing Plans	LS			0
138	Signal Plans (Buechel Bank Road @ Buechel Bypass)	LS			0
139	Signal Plans (Buechel Bank Road @ Buechel Bank near GE)	LS			0
140	Signal Re-timing (Buechel Bank Road @ Buechel Bypass)	LS			0
141	Roundabout Report (Final Design to be accounted for in later CM)	LS	1	60	60
142					0
FINAL PLANS TOTAL					140

PRODUCTION-HOUR WORKSHEET					
COUNTY <u>Jefferson (CM #3)</u>			PROJECT TYPE <u>Multi-Lane Urban</u>		
ROUTE <u>Buechel Bank Road</u>			CONSULTANT <u>Gresham, Smith and Partners</u>		
DESC. <u>Reloc. Bruce Ave, R/W Revisions</u>			PREPARED BY <u>David Stills</u>		
<u>Roundabout Report (Section2)</u>			DATE <u>12/09/2015</u>		
ITEM NO. <u>5-8001.00</u>					
MEETINGS					
No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
143	Prelim. line and grade inspection (3 of persons)	No.			0
144	Joint Drainage & Final inspection (2 persons+travel+minutes)	No.			0
145	Final inspection (see line 151)	No.			0
146	Misc. project coordination meetings (2 persons)	No.	3	3	9
147	Project team meetings (2 persons)	No.	4	4	16
MEETINGS MISCELLANEOUS					
148	Coordination Mtgs with Louisville Metro/Future Develop. (2 persons)	No.			0
149	Coordination Meetings with Utilities (2 persons)	No.			0
150	Coordination Meetings with USACE (2 persons)	No.			0
151	Project Management - 3 hr/month	Month	4	3	12
153	Scope Preparation (Project Complexity, Scope Revisions, etc.)	LS		0	0
MEETINGS TOTAL					37
PUBLIC INVOLVEMENT					
No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
157	Develop and Maintain Mailing List	LS			0
158	Prepare for Advisory Committee/Officials Meeting	No.			0
159	Attend Advisory Committee/Officials Meeting (# of persons)	No.			0
160	Prepare for Public Meetings/Hearings	No.			0
161	Attend Public Meetings/Hearings (3 persons)	No.			0
162	Prepare and Distribute Newsletter	No.			0
163	Property owner coordination	No.			0
PUBLIC INVOLVEMENT MISCELLANEOUS					
164	Revised Reloc. Bruce Avenue Neighborhood Meeting (1 person)	No.	1	4	4
165	Reloc. Bruce Avenue Meeting prep and Owner Notificatins	LS	1	6	6
166					
PUBLIC INVOLVEMENT TOTAL					10
QA/QC					
No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
170	Plan review	LS			0
171	Structure review	LS			0
172	Signal review	LS			0
173	Geotechnical coordination	LS			0
174					0
175					0
QA/QC TOTAL					0

PRODUCTION-HOUR WORKSHEET	
COUNTY <u>Jefferson (CM #3)</u> ROUTE <u>Buechel Bank Road</u> DESC. <u>Reloc. Bruce Ave, R/W Revisions</u> <u>Roundabout Report (Section2)</u> ITEM NO. <u>5-8001.00</u>	PROJECT TYPE <u>Multi-Lane Urban</u> CONSULTANT <u>Gresham, Smith and Partners</u> PREPARED BY <u>David Stills</u> DATE <u>12/09/2015</u>
PRODUCTION-HOUR SUMMARY	
SURVEY TOTAL	15
LINE AND GRADE TOTAL	19
RIGHT OF WAY PLANS TOTAL	136
FINAL PLANS TOTAL	140
MEETINGS TOTAL	37
PUBLIC INVOLVEMENT TOTAL	10
QA/QC TOTAL	0
GRAND TOTAL	357

CLASSIFICATIONS AND PERCENTAGES

COUNTY Jefferson
 CONSULTANT GRESHAM, SMITH AND PARTNERS
 PROJECT Buechel Bank Road
 ITEM NO. 5-8001.00
 DATE 12/9/2015

POSITION	CERTIFIED RATE	SURVEY		PRELIMINARY LINE AND GRADE		RIGHT OF WAY PLANS		FINAL PLANS		MEETINGS		PUBLIC INVOLVEMENT		QA/QC	
		ITEM I	ITEM II	ITEM III	ITEM IV	ITEM V	ITEM VI	ITEM VII							
Project Manager	62.58	\$0.00	\$12.52	\$15.65	\$15.65	\$15.65	\$15.65	\$15.65	\$15.65	\$15.65	\$15.65	\$15.65	\$15.65	\$15.65	\$15.65
Senior Project Engineer	64.25	\$0.00	\$19.28	\$16.06	\$16.06	\$16.06	\$16.06	\$16.06	\$16.06	\$16.06	\$16.06	\$16.06	\$16.06	\$16.06	\$16.06
Project Engineer	46.8	\$4.68	\$11.70	\$11.70	\$11.70	\$11.70	\$11.70	\$11.70	\$11.70	\$11.70	\$11.70	\$11.70	\$11.70	\$11.70	\$11.70
Senior Technician	40.33	\$4.03	\$10.08	\$10.08	\$10.08	\$10.08	\$10.08	\$10.08	\$10.08	\$10.08	\$10.08	\$10.08	\$10.08	\$10.08	\$10.08
Survey Crew	37.74	\$30.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL		\$38.90	\$53.58	\$53.49	\$53.49	\$53.49	\$53.49	\$53.49	\$53.49	\$54.69	\$57.88	\$57.88	\$57.88	\$57.88	\$57.88

158.51% Overhead
 Cost of Money 0.25%

Buechel Bank Road

	11x17 Check Prints (each)	22x36 Final Prints (each)	22x36 Mylar (each)
Joint Inspection Plans (120 shts/set)	\$0.45	\$0.90	\$18.00
Joint Inspection Cross Sections (38 shts/set)			
Final R/W submittal (75 shts/set)			
R/W Revisions (avg 4 shts/revision - estimate 5 revisions)			
Final Set (150 shts/set)			
	\$0.00	\$0.00	\$0.00

	11x17 Full Color (each)	Full Color Roll Displays (sq ft)
Public Meeting displays (2 displays @ 51 sq ft each)	\$1.50	\$7.00
R/W Info Mtg Handout (50 handout @ 6 shts/set)		
	\$0.00	\$0.00

	Total Printing Cost =	\$0.00
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	Car Miles	Truck Miles
Rate: (per mile)	\$0.42	\$0.55
4 Survey Visits @ 25 miles		
4 Project Visits @ 25 miles	100	
	\$42.00	\$0.00

	Total Milage Cost=	\$42.00
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	Average Price/Package	Number Packages
Postage & Freight	\$12.00	
	Total Postage & Freight Cost =	\$0

County: Jefferson
Consultant: Gresham, Smith and Partners
Project: Buechel Bank Road
Item No: 5-8001.00
Date: 12/9/2015

Payout Schedule	Amount	Contract
		Amount =
		<u>\$ 57,191</u>
January-16	\$25,000.00	
February-16	\$25,000.00	
March-16	<u>\$7,191.00</u>	
	<u>\$57,191.00</u>	

Note: Pay schedule may change once project schedule has been re-established

TRANSPORTATION CABINET
Division of Professional Services
ENGINEERING AND RELATED SERVICES FEE PROPOSAL

COUNTY Jefferson (CM No. 4)
PROJECT Buechel Bank Road - RW Revisions PDE/TE, Sec 2 Roundabout Final Design
AGREE. NO. _____
MARS NO. _____
ITEM NO. 5-8001.00

FEE CONSIDERATIONS		Negotiated	Man Hours	Average Rate	Estimated Cost
ITEM					
I	SURVEY		0	\$38.90	\$ -
II	LINE AND GRADE		0	\$53.58	\$ -
III	RIGHT OF WAY PLANS		77	\$53.49	\$ 4,119
IV	FINAL PLANS		265	\$53.49	\$ 14,175
V	MEETINGS		7	\$54.69	\$ 383
VI	PUBLIC INVOLVEMENT		0	\$57.88	\$ -
VII	QA/QC		0	\$63.42	\$ -
TOTALS			349		\$ 18,677

LIST OF OTHER DIRECT COSTS

Printing	\$0
Travel	\$0
Meals	\$0
Postage & Freight	\$0
Total	\$0

TOTAL DIRECT PAYROLL	\$ 18,677
OVERHEAD 161.83%	\$ 30,225
PROFIT 15%	\$ 7,335
SUBCONSULTANTS	\$ -
OTHER DIRECT COSTS	\$ -
COST OF MONEY (0.17%)	\$ 32

SUBCONSULTANTS

_____	\$0

TOTAL PROPOSED FEE	\$ 56,269
SHOP PLANS	_____

FIRM NAME Gresham, Smith and Partners

SIGNATURE *David M. Still*

DATE 2/5/2016

TITLE Principal

PRODUCTION-HOUR WORKSHEET						
COUNTY <u>Jefferson (CM #4)</u>	PROJECT TYPE <u>Multi-Lane Urban</u>					
ROUTE <u>Buechel Bank Road</u>	CONSULTANT <u>Gresham, Smith and Partners</u>					
DESC. <u>R/W Revisions for PDE/TE per KYTC</u> <u>Roundabout Final Design</u>	PREPARED BY <u>David Stills</u>					
ITEM NO. <u>5-8001.00</u>	DATE <u>2/5/2016</u>					
SURVEY						
No.	ITEM	CREW	UNIT	AMOUNT	HRS/UNIT	HOURS
RECONNAISSANCE						
1	Control - (existing) (Recover Control Points)	1	Mile			0
2	Utilities - (identify & contact)	1	No.			0
3	Drainage - (sink holes, streams, pipes, etc.)	1	Mile			0
CONTROL						
4	Horizontal (Re-Establish)	2	Mile			0
5	Vertical (Re-Establish)	2	Mile			0
6	Process data	1	Mile			0
PLANIMETRIC SURVEY						
7	Planimetric location <i>(pickup and update)</i>	2	Mile			0
8	Utilities location	2	Mile			0
9	Process data	1	Mile			0
TERRAIN SURVEY						
10	DTM data collection <i>(Items 11-18 not required if used)</i>	2	Acre			0
11	Verify terrain model accuracy	2	Mile			0
12	Tie-ins	2	No.			0
13	Drainage situations survey (Bridge)	2	No.			0
14	Drainage situations survey (Culvert)	2	No.			0
15	Drainage pipe section (non-situation size)	2	No.			0
16	Flood plain data	2	No.			0
17	Railroad Situation Survey	2	No.			0
18	Additional necessary DTM data @ Roundabout & Bruce Ave	1	Acre			0
19	Process data	1	Mile			0
ESTABLISH PROPERTY LINES & OWNERSHIP						
20	Contact & Interview Property Owners	1	Parcel			0
21	Field tie property lines/corners (Assume 10% revised)	2	Parcel			0
STAKING						
22	Stake centerlines, approaches, detours	2	Mile			0
23	Stake core holes - structures <i>(unit is per structure)</i>	2	No.			0
24	Stake core holes - roadway <i>(unit is per core hole)</i>	2	No.			0
SURVEY MISCELLANEOUS						
25	Determine roadway elevations (Crown and EP) @ Roundabout	1	Mile			0
26		2	No.			0
27	Bridge situation survey	2	No.			0
28	Obtain Miscellaneous Critical Topo	2	No.			0
29	Flood gate situation survey	2	No.			0
29A	Existing sewer manholes and inverts (pickup and update)	2	LS			0
29B	Existing catch basins and inverts (pickup and update)	2	LS			0
29C	Update levels and files to current KYTC Cadd Standards	1	LS			0
29D	Process data	1	LS			0
SURVEY TOTAL						0

PRODUCTION-HOUR WORKSHEET			
COUNTY <u>Jefferson (CM #4)</u>	PROJECT TYPE <u>Multi-Lane Urban</u>	CONSULTANT <u>Gresham, Smith and Partners</u>	
ROUTE <u>Buechel Bank Road</u>	PREPARED BY <u>David Stills</u>		
DESC. <u>R/W Revisions for PDE/TE per KYTC</u> <u>Roundabout Final Design</u>	DATE <u>2/5/2016</u>		
ITEM NO. <u>5-8001.00</u>			

PRELIMINARY LINE AND GRADE

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
30	Computer setup	LS			0
31	Prepare existing manuscripts	Mile			0
32	Establish approximate property lines and ownership	Parcel			0
33	Study and develop typical sections	No.			0
34	Study and develop horizontal alignments (Reloc. Bruce Ave)	LS			0
35	Study and develop vertical alignments (Reloc. Bruce Ave)	LS			0
36	Create and evaluate proposed roadway models (Reloc. Bruce Ave)	LS			0
37	Design entrances	No.			0
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.			0
44	Study and develop maintenance of traffic plan	LS			0
45	Plot/print copies of plans for team meeting and inspections	LS			0
46	Calculate preliminary quantities and develop cost estimates	Alt.			0
47	Revise plans and estimates	LS			0
48	Preliminary R/W with taking areas	Parcel			0
49	Prepare design executive summary (Update)	LS			0
50	Develop/document "Avoidance Alternatives to Water Related Impact	LS			0
PRELIMINARY LINE & GRADE MISCELLANEOUS					
51	Buechel Bank Rd@GE Appliance Park Entr. Int. (Prelim Design)	LS			0
52	Prepare for PL&G Meeting	LS			0
53					0
54					0
55					0
56					
57					
58					
59					
PRELIMINARY LINE AND GRADE TOTAL					0

PRODUCTION-HOUR WORKSHEET			
COUNTY <u>Jefferson (CM #4)</u>	PROJECT TYPE <u>Multi-Lane Urban</u>		
ROUTE <u>Buechel Bank Road</u>	CONSULTANT <u>Gresham, Smith and Partners</u>		
DESC. <u>R/W Revisions for PDE/TE per KYTC</u> <u>Roundabout Final Design</u>	PREPARED BY <u>David Stills</u>		
ITEM NO. <u>5-8001.00</u>	DATE <u>2/5/2016</u>		

RIGHT OF WAY PLANS

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
60	Deed research (verify no changes have happened)	Parcel			0
61	Establish property and ownership (Assume 10% revised)	Parcel			0
62	Calculate R/W (Revise PDE/TE per KYTC) (66 total tracts revised)	Parcel	31	1	31
63	Prepare legal descriptions (Revise PDE/TE per KYTC)(66 total)	Parcel	31	1	31
64	Complete R/W summary sheet (Update)	Parcel	31	0.1	3
65	Generate right of way strip map (scale 1" =100') (Update)	Sheet	1	4	4
66	Prepare R/W Plans Submittal	LS			0
67	R/W revisions after R/W submittal	LS			0
R/W PLANS MISCELLANEOUS					
68	Establish leases (Recorded only)	LS			0
69	Final check & revisions (3 People)	LS			0
70	Coordinate R/W Plans with utility companies	LS			0
71	Generate right of way detail sheets (Scale: 1"=20') (Update)	Each	8	1	8
71a	Revise right of way detail sheets Reloc. Bruce Ave.	LS			0

RIGHT OF WAY PLANS TOTAL					77
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PRODUCTION-HOUR WORKSHEET			
COUNTY <u>Jefferson (CM #4)</u>	PROJECT TYPE <u>Multi-Lane Urban</u>		
ROUTE <u>Buechel Bank Road</u>	CONSULTANT <u>Gresham, Smith and Partners</u>		
DESC. <u>R/W Revisions for PDE/TE per KYTC</u> <u>Roundabout Final Design</u>	PREPARED BY <u>David Stills</u>		
ITEM NO. <u>5-8001.00</u>	DATE <u>2/5/2016</u>		

FINAL PLAN PREPARATION

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
72	Computer setup	LS			0
73	Update existing topography and terrain model	Mile			0
74	Refine alignments (horizontal & vertical)	Mile			0
75	Develop pavement design	No.			0
76	Finalize templates & transitions	No.			0
77	Develop final roadway model	Mile			0
78	Develop proposed design	Mile			0
79	Generate plan sheets (scale 1" = 20') (Update)	Sheet			0
80	Generate profile sheets (scale 1" = 2' Vert & 20' Horz) (Update)	Sheet			0
81	Detail cross sections (scale 1" = 5') (Update)]	No.			0
82	Design entrances (Update)	No.			0
83	Revise roadway plans from soils report	Mile			0
DRAINAGE					
84	Develop pipe sections (< 54")	No.			0
85	Develop drainage system map	Mile			0
86	Develop drainage situation (bridge)	No.			0
87	Develop drainage situation (culvert)	No.			0
88	Develop blue line stream channel change (=> 200')	No.			0
89	Drainage analysis (entrance pipes)	No.			0
90	Drainage analysis (A < = 200 acres)	No.			0
91	Drainage analysis (200 acres < A < 1.0 sq. mile)	No.			0
92	Drainage analysis (A = > 1.0 sq. mile) level 1 analysis	No.			0
93	Drainage analysis (A = > 1.0 sq. mile) level 2 analysis	No.			0
94	Drainage analysis (A = > 1.0 sq. mile) level 3 analysis	No.			0
95	Special drainage studies (Detention Basins)	No.			0
96	Roadway ditches and channels (Both Sides)	Mile			0
97	Develop Erosion Control Plan (Update)	Mile			0
98	Inlet spacing calculations	No.			0
99	Storm sewers calculations	No.			0
100	Perform scour analysis	No.			0
101	Assemble preliminary and final drainage folders	LS			0
102	Prep.advanced situation folder CSX bridge	No.			0
103	Prepare advanced situation folder 4th Street bridge	No.			0
DRAINAGE MISCELLANEOUS					
104	Develop/document "Assessment of Water Related Impacts"	LS			0
105	Drainage revisions after drainage inspection	LS			0
106	Coordinate storm sewer design with sanitary sewer District	LS			0
107	Coordinate Flood Gate & Flood Levee with USACE	Each			0

PRODUCTION-HOUR WORKSHEET					
COUNTY	Jefferson (CM #4)	PROJECT TYPE	Multi-Lane Urban		
ROUTE	Buechel Bank Road	CONSULTANT	Gresham, Smith and Partners		
DESC.	R/W Revisions for PDE/TE per KYTC Roundabout Final Design	PREPARED BY	David Stills		
ITEM NO.	5-8001.00	DATE	2/5/2016		
FINAL PLAN PREPARATION (Continued)					
No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
108	Prepare layout sheet	LS			0
109	Prepare typical sections	No.			0
110	Prepare Interchange geometric approval	No.			0
111	Prepare intersection geometric approval	No.			0
112	Prepare coordinate control sheet (update)	LS			0
113	Prepare elevation developments	No.			0
114	Prepare striping plan	No.			0
115	Calculate final quantities	LS			0
116	Complete general summary	LS			0
117	Complete paving summary	LS			0
118	Complete drainage summary	LS			0
119	Complete pavement under-drain summary	LS			0
120	Prepare cost estimate	LS			0
121	Plot/print copies of plans	LS			0
122	Plan revisions	Mile			0
123	Prep.final const.plans submittal (Includes updates and revisions)	LS			0
MAINTENANCE OF TRAFFIC					
124	Write maintenance of traffic notes (TCP)	LS			0
125	Prepare construction phasing plans	LS			0
126	Develop diversion plan sheets	Sheet			0
127	Develop diversion profile sheets	Sheet			0
128	Develop diversion cross sections	No.			0
129	Develop temporary drainage	No.			0
FINAL PLANS MISCELLANEOUS					
130	Electrical plans for floodgate: See Electrical Scope	LS			0
131	Plan revisions after final inspection	LS			0
132	Coordinate Plans with Louisville Metro/Future Development	LS			0
133	Coordinate plans with flood gate subconsultant	LS			0
134	Signal Plans	No.			0
135	Coordinate with CSX consultant	LS			0
137	Signing Plans	LS			0
138	Signal Plans (Buechel Bank Road @ Buechel Bypass)	LS			0
139	Signal Plans (Buechel Bank Road @ Buechel Bank near GE)	LS			0
140	Signal Re-timing (Buechel Bank Road @ Buechel Bypass)	LS			0
141	Roundabout Report (Final Design to be accounted for in later CM)	LS	1	265	265
142					0
FINAL PLANS TOTAL					265

PRODUCTION-HOUR WORKSHEET

COUNTY <u>Jefferson (CM #4)</u> ROUTE <u>Buechel Bank Road</u> DESC. <u>R/W Revisions for PDE/TE per KYTC</u> <u>Roundabout Final Design</u> ITEM NO. <u>5-8001.00</u>	PROJECT TYPE <u>Multi-Lane Urban</u> CONSULTANT <u>Gresham, Smith and Partners</u> PREPARED BY <u>David Stills</u> DATE <u>2/5/2016</u>
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MEETINGS

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
143	Prelim. line and grade inspection (3 of persons)	No.			0
144	Joint Drainage & Final inspection (2 persons+travel+minutes)	No.			0
145	Final inspection (see line 151)	No.			0
146	Misc. project coordination meetings (2 persons)	No.	1	3	3
147	Project team meetings (2 persons)	No.	1	4	4
MEETINGS MISCELLANEOUS					
148	Coordination Mtgs with Louisville Metro/Future Develop. (2 persons)	No.			0
149	Coordination Meetings with Utilities (2 persons)	No.			0
150	Coordination Meetings with USACE (2 persons)	No.			0
151	Project Management - 3 hr/month	Month			0
153	Scope Preparation (Project Complexity, Scope Revisions, etc.)	LS		0	0
MEETINGS TOTAL					7

PUBLIC INVOLVEMENT

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
157	Develop and Maintain Mailing List	LS			0
158	Prepare for Advisory Committee/Officials Meeting	No.			0
159	Attend Advisory Committee/Officials Meeting (# of persons)	No.			0
160	Prepare for Public Meetings/Hearings	No.			0
161	Attend Public Meetings/Hearings (3 persons)	No.			0
162	Prepare and Distribute Newsletter	No.			0
163	Property owner coordination	No.			0
PUBLIC INVOLVEMENT MISCELLANEOUS					
164	Revised Reloc. Bruce Avenue Neighborhood Meeting (1 person)	No.			0
165	Reloc. Bruce Avenue Meeting prep and Owner Notificatins	LS			0
166					
PUBLIC INVOLVEMENT TOTAL					0

QA/QC

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
170	Plan review	LS			0
171	Structure review	LS			0
172	Signal review	LS			0
173	Geotechnical coordination	LS			0
174					0
175					0
QA/QC TOTAL					0

PRODUCTION-HOUR WORKSHEET	
COUNTY <u>Jefferson (CM #4)</u> ROUTE <u>Buechel Bank Road</u> DESC. <u>R/W Revisions for PDE/TE per KYTC</u> <u>Roundabout Final Design</u> ITEM NO. <u>5-8001.00</u>	PROJECT TYPE <u>Multi-Lane Urban</u> CONSULTANT <u>Gresham, Smith and Partners</u> PREPARED BY <u>David Stills</u> DATE <u>2/5/2016</u>
PRODUCTION-HOUR SUMMARY	
SURVEY TOTAL	0
LINE AND GRADE TOTAL	0
RIGHT OF WAY PLANS TOTAL	77
FINAL PLANS TOTAL	265
MEETINGS TOTAL	7
PUBLIC INVOLVEMENT TOTAL	0
QA/QC TOTAL	0
GRAND TOTAL	349

CLASSIFICATIONS AND PERCENTAGES

COUNTY Jefferson
 CONSULTANT GRESHAM, SMITH AND PARTNERS
 PROJECT Buechel Bank Road
 ITEM NO. 5-8001.00
 DATE 2/5/2016

POSITION	CERTIFIED RATE	SURVEY		PRELIMINARY LINE AND GRADE		RIGHT OF WAY PLANS		FINAL PLANS		MEETINGS		PUBLIC INVOLVEMENT		QA/QC	
		ITEM I	ITEM II	ITEM III	ITEM IV	ITEM V	ITEM VI	ITEM VII							
Project Manager	62.58	\$0.00	0.00%	\$12.52	20.00%	\$15.65	25.00%	\$31.29	50.00%	\$20.86	33.33%	\$31.29	50.00%	\$31.29	50.00%
Senior Project Engineer	64.25	\$0.00	0.00%	\$19.28	30.00%	\$16.06	25.00%	\$0.00	0.00%	\$21.42	33.33%	\$32.13	50.00%	\$32.13	50.00%
Project Engineer	46.8	\$4.68	10.00%	\$11.70	25.00%	\$11.70	25.00%	\$23.40	50.00%	\$15.60	33.33%	\$0.00	0.00%	\$0.00	0.00%
Senior Technician	40.33	\$4.03	10.00%	\$10.08	25.00%	\$10.08	25.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%
Survey Crew	37.74	\$30.19	80.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%
TOTAL		\$38.90	100.00%	\$53.58	100.00%	\$53.49	100.00%	\$54.69	100.00%	\$57.88	100.00%	\$63.42	100.00%	\$63.42	100.00%

158.51% Overhead
 Cost of Money 0.25%

Buechel Bank Road

	11x17 Check Prints (each)	22x36 Final Prints (each)	22x36 Mylar (each)
Joint Inspection Plans (120 shts/set)	\$0.45	\$0.90	\$18.00
Joint Inspection Cross Sections (38 shts/set)			
Final R/W submittal (75 shts/set)			
R/W Revisions (avg 4 shts/revision - estimate 5 revisions)			
Final Set (150 shts/set)			
	\$0.00	\$0.00	\$0.00

	11x17 Full Color (each)	Full Color Roll Displays (sq ft)
Public Meeting displays (2 displays @ 51 sq ft each)	\$1.50	\$7.00
R/W Info Mtg Handout (50 handout @ 6 shts/set)		
	\$0.00	\$0.00

Total Printing Cost =		\$0.00
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	Car Miles	Truck Miles
Rate: (per mile)	\$0.42	\$0.55
4 Survey Visits @ 25 miles		
4 Project Visits @ 25 miles		
	\$0.00	\$0.00

Total Milage Cost=		\$0.00
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	Average Price/Package	Number Packages
Postage & Freight	\$12.00	
	\$12.00	

Total Postage & Freight Cost =		\$0
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County: Jefferson
Consultant: Gresham, Smith and Partners
Project: Buechel Bank Road
Item No: 5-8001.00
Date: 2/2/2016

Payout Schedule Amount		Contract
		Amount =
		<u>\$ 56,269</u>
March-16	\$20,000.00	
April-16	\$20,000.00	
May-16	<u>\$16,269.00</u>	
	\$56,269.00	

Note: Pay schedule may change once project schedule has been re-established