



City Of Raleigh
North Carolina

INTER-OFFICE CORRESPONDENCE

To: Planning – Mike McDow Room: 301
From: Public Works – Bowman Kelly Date: December 4, 2009
Subject: Reimbursement - S-51-2008
Laurel Hills Road
Widen existing travel lane on a collector road &
One-half of a 5' wide sidewalk

Submitted herewith are the final tabulations prepared by Ronald L. Horvath, PE of Horvath Associates. The data and information provided certifies the construction and acceptance of 215 l.f. of Lane Construction and 225 l.f. of Sidewalk Construction built in association with the Hilgoe & Cobb Subdivision, S-51-2008, construction plans located at 3820 Laurel Hills Road. The tabulations have been checked and are certified to be correct.

The improvements were constructed and inspected to City of Raleigh standards and were accepted for continuous maintenance on October 23, 2009. I recommend a reimbursement contract be established in the amount of \$10,748.16 to widen the existing travel lane and for one-half of a 5' wide sidewalk. This is a non-CIP [Priority 2] reimbursement. Make payment to:

Scott Cobb
3820 Laurel Hills Road
Raleigh, NC 27612

Should you have any further questions, please give me a call.

Sincerely,

Bowman Kelly

Bowman Kelly, PE, PLS, PTOE
Transportation Engineer
(919) 516-2160
bowman.kelly@ci.raleigh.nc.us

Attachment

December 3, 2009

Mr. Bowman Kelly
City of Raleigh – Transportation Services Division
Central Engineering Department
219 Fayetteville St. Suite 300
P.O. Box 590
Raleigh NC 27602

RE: Hilgoe & Cobb Subdivision – S-51-08
3818 Laurel Hills Rd

Dear Mr. Bowman,

Attached is a reimbursement estimate for the referenced project. The project is eligible for reimbursement on a Facility Fee basis pursuant to the City of Raleigh Code-Part 10, Facility Fees, Chapter 8, sections 10-8001 through 10-8006. The total reimbursement for this project (S-51-08) is \$10,748.16. Please make check payable to:

Scott Cobb
3820 Laurel Hills Rd
Raleigh, NC 27612

The method of computation is based on the City of Raleigh's unit prices for the cost of construction of one half of a 41' b-b collector street section on an existing 20' paved road, compared to the cost of one half of a 26' b-b minor residential street section which was required to serve my development. There is 215 linear feet (LF) of widening on Laurel Hills Rd related to this project. The cost of curb and gutter, erosion control, traffic control, and seeding are consistent with both roadway sections, and are not included in the comparison. I have also enclosed a copy of the City of Raleigh Engineering Department, Inspections Division letter stating that the required roadway improvements associated with this project have been built in accordance with City of Raleigh standards and specifications. If you have any questions, please give me a call at (919) 291-8025 or email ste1030@hotmail.com

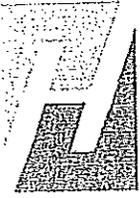
Sincerely,



Scott Cobb

Enclosures

- Engineers Sealed Cost Estimate
- City of Raleigh Acceptance Letter



HORVATH
2000 - 2001

Civil Engineers
Planners
Landscape Architects

Laurel Hills Road Reimbursement Cost

Prepared by: **Ronald L. Horvath, P.E.**

6/16/2009 Revised 12/01/09

1/2-26' B-B MINOR RESIDENTIAL STREET				1/2-41' B-B COLLECTOR STREET						
Items	Quantity	Unit	Item Rate	Item Total	Quantity	Unit	Item Rate	Item Total	Item Difference	
Catch Basins (per side)	215.00	LF	\$13.19	\$2,835.85	215.00	LF	\$13.19	\$2,835.85	\$0.00	
Clear and Gub	0.00	AC	\$7,839.23	\$470.35	0.10	AC	\$7,839.23	\$783.92	\$313.57	
Curb and Gutter - 18" (per side)	0.00	LF	\$0.00	\$0.00	0.00	LF	\$7.25	\$0.00	\$0.00	
Curb and Gutter - 30" (per side)	215.00	LF	\$9.59	\$2,061.85	215.00	LF	\$9.58	\$2,061.85	\$0.00	
Erosion Control (per side)	215.00	LF	\$2.48	\$533.20	215.00	LF	\$2.48	\$533.20	\$0.00	
Excavation - Common	149.31	CY	\$9.59	\$1,431.89	238.89	CY	\$9.59	\$2,290.96	\$859.07	
Excavation - Rock	0.00	CY	\$47.00	\$0.00	0.00	CY	\$47.00	\$0.00	\$0.00	
Guardrail	0.00	LF	\$21.06	\$0.00	0.00	LF	\$21.06	\$0.00	\$0.00	
Multi-Purpose Path Installation	0.00	LF	\$3.81	\$0.00	0.00	LF	\$3.81	\$0.00	\$0.00	
Paving - Asphalt (Base Layer)	0.00	SY-IN	\$1.86	\$0.00	0.00	SY-IN	\$1.86	\$0.00	\$0.00	
Paving - Asphalt (Blinder Layer)	0.00	SY-IN	\$1.78	\$0.00	0.00	SY-IN	\$1.78	\$0.00	\$0.00	
Paving - Asphalt (L-2)	29.86	SY-IN	\$1.73	\$51.66	477.78	SY-IN	\$1.73	\$826.56	\$774.90	
Paving - Stone (ABC)	95.58	SY-IN	\$0.43	\$41.09	1,528.86	SY-IN	\$0.43	\$657.42	\$616.33	
Relocation - Backflows	0.00	EA	\$4,000.00	\$0.00	0.00	EA	\$4,000.00	\$0.00	\$0.00	
Relocation - Fire Hydrants	0.00	EA	\$1,382.50	\$0.00	0.00	EA	\$1,382.50	\$0.00	\$0.00	
Relocation - Traffic Signals	0.00	EA	\$3,636.60	\$0.00	0.00	EA	\$3,636.60	\$0.00	\$0.00	
Relocation - Utility Poles	0.00	EA	\$5,000.00	\$0.00	1.00	EA	\$5,000.00	\$5,000.00	\$5,000.00	
Relocation - Vaults	0.00	EA	\$4,000.00	\$0.00	0.00	EA	\$4,000.00	\$0.00	\$0.00	
Relocation - Water Meters	0.00	EA	\$417.25	\$0.00	0.00	EA	\$417.25	\$0.00	\$0.00	
Retaining Wall Install - Keystone	0.00	SF	\$15.00	\$0.00	0.00	SF	\$15.00	\$0.00	\$0.00	
Retaining Wall Install - Pour in Place	0.00	CY	\$449.95	\$0.00	0.00	CY	\$449.95	\$0.00	\$0.00	
Seed and Mulch	0.02	AC	\$1,329.63	\$26.59	0.02	AC	\$1,329.63	\$26.59	\$0.00	
Sidewalk (per side)	225.00	LF	\$5.49	\$0.00	225.00	LF	\$5.49	\$1,235.25	\$1,235.25	
Storm Drain Parallel to ROW (side)	215.00	LF	\$3.08	\$662.20	215.00	LF	\$3.08	\$662.20	\$0.00	
Storm Drain Perpendicular to ROW	164.81	LN-FT	\$1.55	\$255.67	285.96	LN-FT	\$1.55	\$443.24	\$187.63	
Traffic Control (per side)	215.00	LF	\$5.67	\$1,219.05	215.00	LF	\$5.67	\$1,219.05	\$0.00	
Traffic Signal Upgrades - Wood-Metal	0.00	EA	\$11,866.85	\$0.00	0.00	EA	\$11,866.85	\$0.00	\$0.00	
ITEMS TOTAL:				\$9,589.34	ITEMS TOTAL:				\$18,676.09	\$8,986.75
TOTAL CONSTRUCTION COST:				\$9,589.34	TOTAL CONSTRUCTION COST:				\$18,676.09	\$8,986.75
Mobilization (4% of Construction Cost):				\$383.57	Mobilization (4% of Construction Cost):				\$743.04	\$359.47
SUBTOTAL:				\$9,972.91	SUBTOTAL:				\$19,319.13	\$9,346.22
Design & Inspection (15% of SubTotal):				\$1,495.94	Design & Inspection (15% of SubTotal):				\$2,997.87	\$1,401.93
GRAND TOTAL				\$11,468.85	GRAND TOTAL				\$22,217.00	\$10,748.16

I, Ronald L. Horvath, P.E., certify that the reimbursements cost for the Laurel Hills Road improvements as shown on the approved plans dated 2/25/09 is as described above.

Ronald L. Horvath, P.E.

16 Consultant Place, Suite 201
Durham, NC 27707
p 919.423.4290 / f 919.490.6955

537 Market Street, Suite 1130
Charlotte, NC 27402
p 423.266.4290 / f 423.266.5789



City Of Raleigh
North Carolina

October 23, 2009

Scott T. Cobb
1409 Lake Park Drive
Raleigh, North Carolina 27612

Dear Sir:

This is to advise you that a final inspection has been made at Hilgoe & Cobb Subdivision (S-51-08). This inspection was made of the street and sidewalks at the following locations and were found to have been completed according to the City of Raleigh standards and specifications and are now accepted by the City of Raleigh for continuous maintenance.

Hilgoe & Cobb Subdivision

Street

Laurel Hills Road – 190' ± of 8' widening on a 60' R/W with sidewalk on the east side.

This acceptance is subject to a one year guarantee against failure because of faulty workmanship or materials.

Sincerely,

Carl R. Dawson Jr., P.E.
Public Works Director
(919) 996-3030

Samuel E. Fish Jr.
Engineering Inspector Supervisor
(919) 996-6814

CE/15sef

October 23, 2009
Hilgoe & Cobb Subdivision (Street)
Page 2

cc: Senior Assessment Specialist
Transportation Operations Manager
Director of Public Utilities
Street Superintendent
Mike McDow - Planning
Sandra Hodges - Inspections
Carolyn Dumas - Senior Transportation Analyst
Tom Higgins - Inspector
Engineering Inspections File (5)

David Hunt
Wake County GIS
P.O. Box 550
Raleigh, NC 27602

Horvath Associates, PA
P.O. Box 51806
Durham, North Carolina 27707-1806

Temple Contracting, LLC
7009 Rouse Road
Holly Springs, North Carolina 27540