

**MOUNTAIN BROOK CITY COUNCIL
PRE-MEETING AGENDA**

**PRE-COUNCIL ROOM (A106) CITY HALL
56 CHURCH STREET
MOUNTAIN BROOK, AL 35213**

**MAY 28, 2013
6:00 P.M.**

1. Addition landscaping and costs for the municipal complex – Nimrod Long of Nimrod Long & Associates. (See attached information. This item could be added to the formal agenda.)
2. Change order for security package at Police Station – Chief Cook. (See attached information. This item could be added to the formal agenda.)
3. Request by City of Vestavia Hills for the City to participate in an Alabama Transportation Rehabilitation and Improvement Program (ATRIP) grant for the portion of Rocky Ridge Road that is within our corporate limits – Ronnie Vaughn. (See attached information. This item could be added to the formal agenda.)
4. Executive Session

Sam Gaston

From: Nimrod Long
Sent: Monday, May 13, 2013 3:32 PM
To: Sam Gaston; McElroy, Robert
Cc: Bill Williams; Dave Giddens
Subject: RE: Additional landscaping

Sam and Robert:

Here are some rough numerical answers to your questions. I do not have a unit price list from B&G to confirm these numbers.

- 1) The second tree by the fountain is a Jap. Maple and the cost is about \$1,000. or the same unit price as the first tree.
- 2) Moving this tree away from the camera will be approximately \$250-500.
- 3) Adding another large holly would cost approximately \$400.
- 4) Larger shrubs against the screen fabric would cost more. Approximately \$30 each.

Robert, please send me Landscape Workshops unit price contract so I can confirm these numbers for Sam.

Nim

Nimrod W.E. Long III
FASLA, LEED AP
President

Nimrod Long and Associates
Land Planners | Landscape Architects | Urban Designers
2213 Morris Avenue, First Floor
Birmingham, AL 35203
205-323-6072 Voice
205-910-8730 Cell
205-324-6128 Fax
www.nimrodlong.com

From: Sam Gaston [mailto:gastons@mtnbrook.org]
Sent: Monday, May 13, 2013 3:04 PM
To: Nimrod Long
Cc: Bill Williams
Subject: Additional landscaping

Nim,

Couple of questions, is there a cost for a 2nd tree in front of city hall that we discussed last Friday?

Albert Tinsley met with Bill Williams and me to day about seeing the sally port from his house. Bill suggested planting another holly bush near the entrance into the equipment yard by the wood fence and replacing the plants underneath the tree in front of the equipment yard with plants that grow taller to help shield this area more.

5/20/2013

Can we transplant one of the existing holly bushes and would there be any extra costs for the new plants in front of the equipment yard area?

Sam S. Gaston
City Manager
City of Mountain Brook, AL.
56 Church Street
P.O. Box 130009
Mountain Brook AL. 35213
(205) 802-3803 Phone
(205) 870-3577 Fax



Doris Kenny <kennyd@mtnbrook.org>

FW: Security Package Corrections/Changes

1 message

Sam Gaston <gastons@mtnbrook.org>
To: Doris Kenny <kennyd@mtnbrook.org>

Thu, May 23, 2013 at 10:21 AM

Sam S. Gaston
City Manager
City of Mountain Brook, AL.
56 Church Street
P.O. Box 130009
Mountain Brook AL. 35213
[\(205\) 802-3803](tel:(205)802-3803) Phone
[\(205\) 870-3577](tel:(205)870-3577) Fax

From: Ted Cook [mailto:cookt@mtnbrook.org]
Sent: Wednesday, May 22, 2013 7:57 PM
To: Sam Gaston
Cc: Greg Hagood; Jay Williams; Michael Herren; Charles Clark
Subject: Security Package Corrections/Changes

Attached please find various Corrections/Changes in the PD Security package for Council consideration. Also some photos of some of the areas addressed. I have listed them in order of what I deem their priority.

1. 3 additional card readers and push button door opener.

In the jail area we think 3 card readers were left off the consultant plan that we feel are important for officer safety and jail function. The door into each of the jail dormitory halls has card reader access into the hall. The door has the auto closing hardware that closes the door behind you. There is no card reader for exit from either of the dormitory hallways. We typically work one jailer(officer) at a time. Should he enter a dormitory hall by card access for any reason without the also having the keys he may get locked in the

dormitory hall with no way out. If we were to mandate only entering these areas with the jail keys it renders the extra security of the card access/biometric fingerprint exit from the secure area virtually useless.

In the Booking room a card reader was left out of exiting to the hallway into the PD building. Just outside this door, prior to entering the Booking Room is one of our gun lockers. Everyone must secure their weapons prior to entering. Without the card reader to exit the Booking room the Officers must exit Booking into the Jail hallway, then either exit the building thru the sally port and re-enter at the other back door by the gun locker or exit the jail area by the Guard room then go around the hall to the locker before they can retrieve their weapon. In an emergency this is precious seconds lost.

The push to exit button is for the door from the interior of the PD building to the Lobby and eventually outside. We are currently having to leave a key in the door for exiting or manually letting citizens in the building.

I do not think these card readers were "V/E"d out of the building. They do not show up on the building plans with the squiggly line around them as other "V/E" items show in the plans. It appears they were left out of the consultant's plan.

2. Move Service Yard Camera.

This camera was placed where, on paper, it appeared to be able to cover a large open area between the sally port fence and the wooden privacy fence. However, this did not take into account the Tactical Building being there. The photo shows the very limited area this camera can actually see. If this camera were moved out to the privacy fence wall and pointed back toward the building it could show the yard, the sally port gate (open or closed), as well as covering the Tactical Building doors. The Tactical Building doors are currently not covered by any security camera.

3. External security camera lenses.

Enclosed is an email from ALSCAN. It notes their opinion that the lenses specified by our Security package bid were not the best choices. Essentially, they feel the lenses are of too great a magnification to cover the areas intended, specifically the exercise yard and inside the sally port. They also feel that the placement of the camera for the exercise yard would be better suited to be on the side of the yard instead of from above

where most of the camera shot is the top of the person's head. The sally port camera cannot view the entire sally port yard area. This camera was originally positioned to view close to the building. It has been adjusted to show the bottom portion of the sally port gate so that the Guard or Dispatch can view the gate's position (open or closed). This allows them to know the position of the gate to properly and safely operate it for incoming and exiting vehicles and personnel.

Attached are costs for changing: the exercise yard camera lens; moving the exercise yard camera and changing it's lens; and changing the lens of the sally port yard.

Also attached are pictures of the view from these two cameras. The sally port view has changed to show the bottom of the sally port gate, but it then lost the view of the yard close to the building.

4. 4 additional cameras in jail area.

Officers and Supervisors have identified several areas of concern in the cameras in the jail. They feel that blind spots were created that additional cameras could cover.

Thank you for consideration. Lieutenant Herren should be available for any questions.

--



Chief Ted Cook

Mountain Brook Police Department

100 Tibbett St.

Mountain Brook, AL 35213

(205) 802-3852

10 attachments



service yard.png
7125K



Exercise Yard.png
7482K



sally port (1).png
7100K



Mtn. Brook police 3 door addition plus push button (1).xls
114K



Mtn. Brook police service yard camera move.xls
116K



Daniel Tourtellotte email Camera lens change and sally port camera.doc
29K



Exercise yard lens change.xls
115K



Move exercise yard camera and change lens.xls
115K



Sally Port Lens change.xls
115K



PROPOSAL

Version 1.00
Date May 23, 2013

Alscan, Inc
237 Oxmoor Circle
Birmingham, AL 35209

Phone: (205) 945-0003
Fax: (205) 945-0390

Salesperson Daniel Tourtellotte
Email dtourtellotte@alscaninc.com
Cell (205)586-5003

For City of Mountain Brook Police Dept.
56 Church St.
Mtn. Brook, AL 35213

Phone:
Fax:

Contact Chief Cook
Email cookt@mtnbrook.org
Cell

Quantity	Manufacturer	Description	Total
3	Lenel	Card reader with micro reader junction box	
3	Lenel	Card reader single gang plate	
1	Securitron	Emergency push to exit button with 30 second timer	
1000'	LOT	22/6 plenum rated cable for complete installation	
LOT	N/A	Misc. Hardware includes connectors, wire ties, back boxes, conduit, mounting hardware, etc.	
N/A	N/A	System Programming, Instruction, and Labor for Complete Installation	
Total			\$ 4,773.00

**Note: Plus Applicable Sales Tax and Permits*

Notes
<ul style="list-style-type: none"> • High speed Broad Band internet cable or DSL, minimum 384k upload provided by customer. • Static IP address provided by customer • Alscan, Inc. does NOT provide conduit, electrical service, or trenching unless specified • Payment Terms = Due upon completion • A finance charge of 1.5% per month (18% per year) will be charged on all past due accounts over 30 days • Customer agrees to pay all costs of collection including reasonable attorneys fees • All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. • Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. • All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Alscan, Inc. workers are fully covered by Workman's Compensation Insurance.

Acceptance of Proposal	The above prices, specifications and conditions are satisfactory and are hereby accepted. Signature authorizes Alscan, Inc., to do the work specified. Payment will be made as outlined above.
-------------------------------	--

Quotation prepared by: _____ Printed Name: Daniel Tourtellotte Date: May 23, 2013

Signature Denotes Acceptance: _____ Printed Name: _____ Date: _____



PROPOSAL

Version 1.00
Date May 23, 2013

Alscan, Inc
237 Oxmoor Circle
Birmingham, AL 35209

Phone: (205) 945-0003
Fax: (205) 945-0390

For City of Mountain Brook Police Dept.
56 Church St.
Mtn. Brook, AL 35213

Phone:
Fax:

Salesperson	Daniel Tourtellotte
Email	dtourtellotte@alscaninc.com
Cell	(205)586-5003

Contact	Chief Cook
Email	cookt@mtnbrook.org
Cell	

Quantity	Manufacturer	Description	Total
		Price to move the service yard camera	
1	Avigilon	3.5-10mm F/1.6, Auto-Iris, IR corrected lens	
100'	LOT	EMT conduit	
300'	LOT	Cat-5 plenum rated cable for complete installation	
LOT	N/A	Misc. Hardware includes connectors, wire ties, back boxes, couplings, mounting hardware, etc.	
N/A	N/A	System Programming, Instruction, and Labor for Complete Installation	
*Total			\$ 3,976.00

**Note: Plus Applicable Sales Tax and Permits*

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Daniel Tourtellotte

Attached are the separate proposals to change the lenses on the exercise camera and the Sally port camera. The lens that the engineer specified does not allow a wide enough field of view to see what is required in these areas. I have also attached a third proposal to change the lens and move the exercise yard camera down and to the left of the cage so you would be able to see more than just the top of an inmates head. If you decide to go with this proposal disregard the previous one for lens change only.

I will get you the warranty/service contract information in the morning Lt. Clark. If you have any questions please let me know.

Thanks,

Daniel Tourtellotte
Alscan, Inc.
237 Oxmoor Cir. Suite 101
Birmingham, AL 35209

dt@alscaninc.com
office: 205-945-0003
cell: 205-586-5003
fax: 205-945-0390
www.alscaninc.com

PROPOSAL

Our Business is Minding Yours TM

Version 1.00
Date May 23, 2013

Alscan, Inc 237 Oxmoor Circle Birmingham, AL 35209	
Phone:	(205) 945-0003
Fax:	(205) 945-0390

For	City of Mtn. Brook Police department 100 Tibbett St. Mtn. Brook, AL 35213
Phone:	205-802-3850
Fax:	

Salesperson	Daniel Tourtellotte
Email	dtourtellotte@alscaninc.com
Cell	(205)586-5003

Contact	Chief Cook
Email	cookt@mtnbrook.org
Cell	

Quantity	Manufacturer	Item #	Description	Total
			Price to change the lens on the Exercise yard camera	
1	Tamron	LC3810TA	3.0-8.0mm f/1.0, Auto-Iris Lens	
N/A	N/A	N/A	System Programming, Instruction, and Labor for Complete Installation	
Total				\$408.00

***Note: Plus Applicable Sales Tax and Permits**

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- **All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices.**
- **Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate.**
- **All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Alscan, Inc. workers are fully covered by Workman's Compensation Insurance.**

Acceptance of Proposal

**The above prices, specifications and conditions are satisfactory and are hereby accepted.
Signature authorizes Alscan, Inc., to do the work specified. Payment will be made as outlined above.**

Quotation prepared by:

Printed Name:

Daniel Tourtellotte

Date:

May 23, 2013

Signature Denotes Acceptance:

Printed Name:

Date:

Version 1.00
Date May 23, 2013

Alscan, Inc 237 Oxmoor Circle Birmingham, AL 35209	
Phone:	(205) 945-0003
Fax:	(205) 945-0390
Salesperson	Daniel Tourtellotte
Email	dtourtellotte@alscaninc.com
Cell	(205)586-5003

For City of Mtn. Brook Police department 100 Tibbett St. Mtn. Brook, AL 35213	
Phone:	205-802-3850
Fax:	
Contact	Chief Cook
Email	cookt@mtnbrook.org
Cell	

Quantity	Manufacturer	Item #	Description	Total
			Price to move the exercise yard camera and change the lens	
1	Tamron	LC3810TA	3.0-8.0mm f/1.0, Auto-Iris Lens	
N/A	N/A	N/A	Misc. Hardware includes connectors, wire ties, back boxes, conduit, mounting hardware, etc.	
N/A	N/A	N/A	System Programming, Instruction, and Labor for Complete Installation	
Total				\$ 968.00

***Note: Plus Applicable Sales Tax and Permits**

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Signature Denotes Acceptance: _____ Printed Name: _____ Date: _____

Version 1.00
Date May 23, 2013

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For City of Mtn. Brook Police department 100 Tibbett St. Mtn. Brook, AL 35213	
Phone:	205-802-3850
Fax:	
Contact	Chief Cook
Email	cookt@mtnbrook.org
Cell	

Quantity	Manufacturer	Item #	Description	Total
			Price to change the lens on the Sally Port camera	
1	Tamron	LC3810TA	3.0-8 0mm f/1.0, Auto-Iris Lens	
N/A	N/A	N/A	System Programming, Instruction, and Labor for Complete Installation	
*Total				\$ 408.00

***Note: Plus Applicable Sales Tax and Permits**

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Version 1.00
Date May 23, 2013

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Salesperson	Daniel Tourtellotte
Email	dtourtellotte@alscaninc.com
Cell	(205)586-5003

For City of Mountain Brook Police Dept. 56 Church St. Mtn. Brook, AL 35213	
Phone:	
Fax:	
Contact	Chief Cook
Email	cookt@mtnbrook.org
Cell	

Quantity	Manufacturer	Description	Total
		Price to add cameras to cover blind spots in ISO1, ISO2, women's dorm, and outside of guard room	
4	Avigilon	1.0 Megapixel (720p) HD Day/Night Dome Camera	
3	Avigilon	ACC 4 Enterprise HD NVMS Single Camera Channel License and Unlimited Viewing Clients	
4	Avigilon	Ultra Wide Angle 1.7mm f/1.8, Auto-Iris, IR Corrected Lens	
1000'	LOT	Cat-5 plenum rated cable for complete installation	
LOT	N/A	Misc. Hardware includes connectors, wire ties, back boxes, couplings, mounting hardware, etc.	
N/A	N/A	System Programming, Instruction, and Labor for Complete Installation	
*Total			\$ 10,648.00

***Note: Plus Applicable Sales Tax and Permits**

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Quotation prepared by: _____ Printed Name: Daniel Tourtellotte Date: May 23, 2013

Signature Denotes Acceptance: _____ Printed Name: _____ Date: _____

Sam Gaston

From: Christopher Brady
Sent: Friday, April 26, 2013 4:22 PM
To: Sam Gaston
Cc: Ronald Vaughn
Subject: RE: ATRIP funding to resurface Rocky Ridge Road
Attachments: atrip_splits_mtnbrk.pdf; ATRIP_Round3WhitePaper_Vestavia.pdf

Thanks.

Please see attached documents and following summary.

The City of Vestavia Hills received two awards (attached documents summarize both), one for Rocky Ridge and one for combination of portions of Columbiana, Tyler, and the portion of Overton Road between I-459 interchange and Liberty Park Parkway. The only portion of these projects that directly border Mountain Brook municipal limits, and that we are asking for potential of Mountain Brook participation, is the approximately 0.79 miles of Rocky Ridge.

The Rocky Ridge project is approximately 5.71 miles and includes from the US Hwy 280 intersection to Lorna Road in Hoover. We are in discussions with City of Hoover for participation in those portions within their municipal limits.

The estimated total construction cost based on engineering cost estimates is \$2,677,308.69, with 20% required local match of \$535,461.74. At this point, we are using approximate percentage of lane miles as a means of determining approximate costs per municipality. Approximately 13.8% of the project borders City of Mountain Brook municipal limits on one side of the roadway, thus we are asking one-half of the \$74,083.15, or **\$37,041.57**, be considered for Mountain Brook's participation toward construction cost. Additionally, we are asking for potential reimbursement of Preliminary Engineering fees for design of this portion of the project, which is currently estimated at **\$7,562.49**. City of Vestavia Hills has recently entered into a design contract with CDG Engineers to provide these preliminary engineering services.

These projects are ALDOT-let construction contracts where the sponsor pays local match at time of construction contract being issued. I understand this would not be let by ALDOT until at least December 2013, so the commitment would be for FY2013-14 budget.

Please review and let me know if any questions.

I appreciate your considerations.

Christopher Brady, PE
City Engineer, City of Vestavia Hills

From: Sam Gaston [mailto:gastons@mtnbrook.org]
Sent: Friday, April 26, 2013 11:17 AM
To: Christopher Brady
Cc: Ronald Vaughn
Subject: RE: ATRIP funding to resurface Rocky Ridge Road

Chris,

5/20/2013

Go ahead and send us the cost estimates for the 0.79 miles in Mountain Brook.

Sam S. Gaston
City Manager
City of Mountain Brook, AL.
56 Church Street
P.O. Box 130009
Mountain Brook AL. 35213
(205) 802-3803 Phone
(205) 870-3577 Fax

From: Christopher Brady [mailto:cbrady@ci.vestaviiahills.al.us]
Sent: Friday, April 26, 2013 10:40 AM
To: Sam Gaston
Cc: Ronald Vaughn
Subject: ATRIP funding to resurface Rocky Ridge Road

Mr. Gaston:

The City of Vestavia Hills was awarded funding through ATRIP to resurface Rocky Ridge Road. This would also consider other safety improvements, such as guardrail and other shoulder upgrades.

A portion of Rocky Ridge borders Mountain Brook municipal limits (see attached, approximately 0.79 miles) near the Hwy 280 intersection.

Originally, at time of application for the funding, we had assumed Jefferson County would participate in the project and assist in matching funds with this "multijurisdictional" roadway. However, Jefferson County has recently indicated the possibility of an inability to participate due to funding restrictions.

I wanted make you and City of Mountain Brook aware of this project.

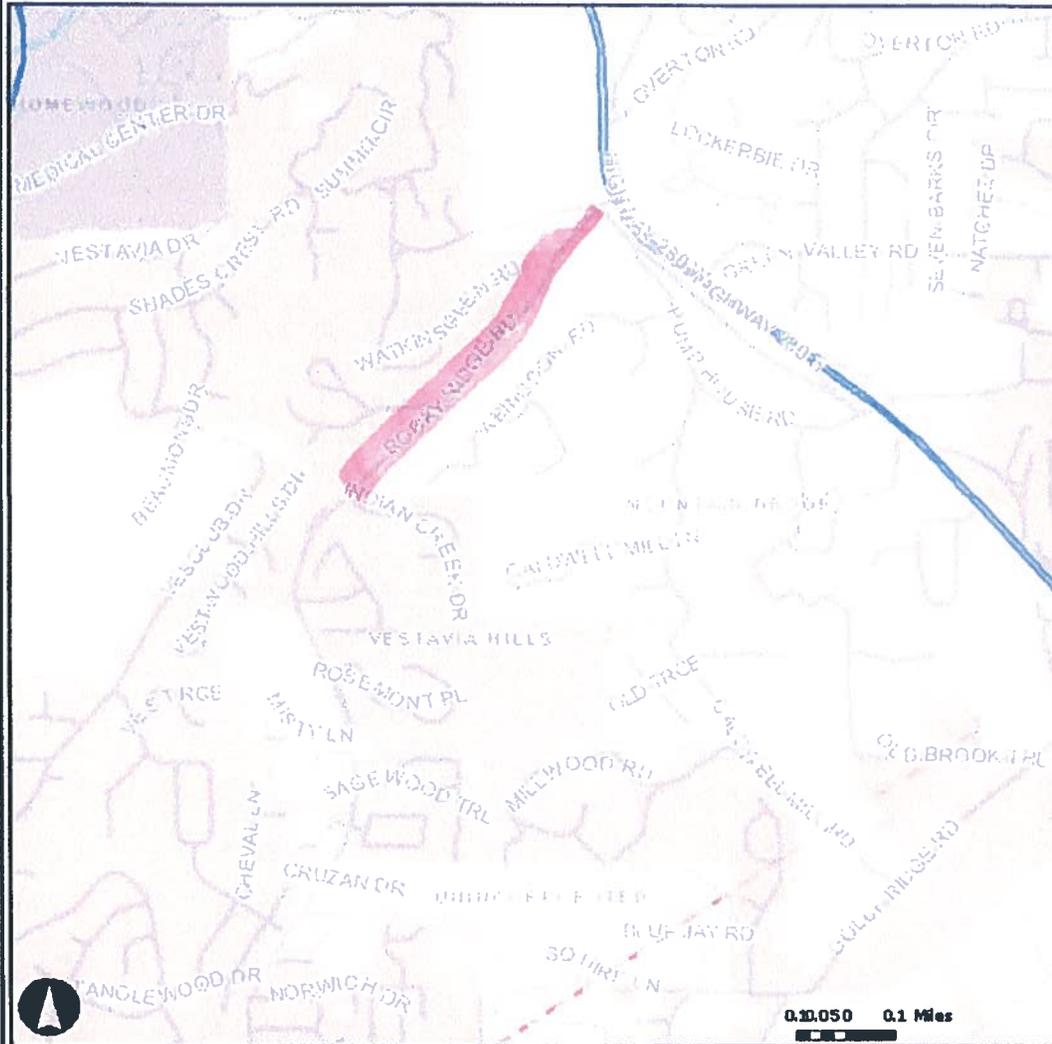
If we determine that Jefferson County is not able to participate, would the City of Mountain Brook consider assisting with portions of matching funds that border your municipal limits in this area?

Please call me at your convenience to discuss. I would like to submit additional information, including preliminary cost estimates, for your review.

I look forward to discussing more soon,

Christopher Brady, PE, CFM
City Engineer, City of Vestavia Hills
Associate Director, Department of Public Services
513 Montgomery Highway
Vestavia Hills, Alabama 35216
phone: 205-978-0150
direct: 205-978-0198
fax: 205-978-0199
email: city.engineer@ci.vestaviiahills.al.us

Jefferson County, AL



- Municipalities**
- ADAMSVILLE
 - ARGO
 - BESSEMER
 - BIRMINGHAM
 - BRIGHTON
 - BROOKSIDE
 - CARDIFF
 - CENTER POINT
 - CLAY
 - COUNTY LINE
 - FAIRFIELD
 - FULTONDALE
 - GARDENDALE
 - GRAYSVILLE
 - HELENA
 - HOMESWOOD
 - HOOVER
 - HUEYTOWN
 - IRONDALE
 - KIMBERLY
 - LAKEVIEW
 - LEEDS
 - LIPSCOMB
 - MAYTOWN
 - MIDFIELD
 - MORRIS
 - MOUNTAIN BROOK
 - MULGA
 - NORTH JOHNS
 - PINSON
 - PLEASANT GROVE
 - SUMITON
 - SYLVAN SPRINGS
 - TARRANT
 - TRAFFORD
 - TRUSSVILLE
 - UNINCORPORATED
 - VESTAVIA HILLS
 - WARRIOR
 - WEST JEFFERSON
- Altadena Storm Track**
- Altadena Assumed Damage Area**
- Argo Storm Track**

 ≈ 0.79 miles

ATRIP project cost estimates
breakdown of approximate percentage per municipal jurisdictions
 updated: 22-April-2013

ATRIP No. 37-03-34

Rocky Ridge			<u>Estimated Cost</u>	<u>20% Match</u>	<u>50% of match</u>	<u>est. PE fees</u>	<u>50% of PE fees</u>
	5.71 miles		\$ 2,677,308.69	\$ 535,461.74		\$ 109,321.00	
Jeff Co	0.55 mi	9.6%	\$ 257,884.37	\$ 51,576.87		\$ 10,530.04	
Jeff Co(MtnBrk/VH)	0.79 mi	13.8%	\$ 370,415.74	\$ 74,083.15	\$ 37,041.57	\$ 15,124.97	\$ 7,562.49
Jeff Co(VH/Hoover)	0.22 mi	3.9%	\$ 103,153.75	\$ 20,630.75	\$ 10,315.37	\$ 4,212.02	\$ 2,106.01
Vestavia	2.72 mi	47.6%		\$ 255,071.09		\$ 52,075.85	
Hoover	1.43 mi	25.0%		\$ 134,099.87		\$ 27,378.11	

ATRIP No. 37-03-33

Columbiana/Tyler/Overton			<u>Estimated Cost</u>	<u>20% Match</u>	<u>50% of match</u>	<u>est. PE fees</u>	<u>50% of PE fees</u>
	1.35 miles		\$ 1,057,504.00	\$ 211,500.80		\$ 76,585.00	
Jeff Co (VH/Hoover)	0.19 mi	14.0%	\$ 148,050.56	\$ 29,610.11	\$ 14,805.06	\$ 10,721.90	\$ 5,360.95
Vestavia	1.16 mi	86.0%		\$ 181,890.69		\$ 65,863.10	



ALABAMA DEPARTMENT OF TRANSPORTATION

1409 Coliseum Boulevard, Montgomery, Alabama 36110
Bureau of Innovative Programs
Telephone: 334-242-6751
www.dot.state.al.us



Robert Bentley
Governor

John R. Cooper
Transportation Director

ATRIP Round 2 Application Project Fact Sheet

ATRIP Number: _____ FA Number: _____
 ALDOT CPMS Number: _____
 County: Jefferson City: Vestavia Hills
 Sponsor: City Sponsor Contact: Chris Brady, PE - City Engineer
 Description: Plane, Resurface, Traffic Stripe and Safety
Improvements on Rocky Ridge Road from Lorna Road to US Hwy 280
 Functional Classification: Urban Minor Arterial
 Bridge Sufficiency Rating: N/A BIN: N/A
 Project Construction Cost: Sponsor: \$ 535,461.74
 ATRIP: \$ 2,141,846.95
 Other: \$ _____
 Total: \$ 2,677,308.69

For projects currently in development provide the following if known:

Environmental/Coordination Status:

Approved Environmental Document: Anticipated PCE
 Right-of-Way/Temporary Easement Required: None Anticipated
 Utility Conflicts: Yes No Railroad Involvement: Yes No
 Cultural Resource Impacts: None
 Endangered Species: None
 Hazardous Materials: None
 Floodplain Impacts: None
 Wetland Impacts: None
 SHPO Coordination: None
 USFWS Coordination: None
 USCOE Coordination: None

Design Status:

Traffic: 10,459 ADT _____ %Trucks 2010 Year
 Crash Data: Yes No Requested Date of Request: _____
 Scope of Work: Yes No Yes Approved by: _____
 Materials Report: Yes No Yes Approved by: _____
 Field Survey % Complete: 0 Plans % Complete: 0 Bridge Plans % Complete: 0
 Date of Site Inspection with ALDOT: N/A Status of Hydraulic Analysis: N/A
 Projected Plans Submittal Date: July 2013 for PIH/PSE
 Comments: _____

Consultant Contact (if any): Marc Thompson, PE - CDG Engineers & Assoc.
 Attach map showing the project location.

September 26, 2012

The City of Vestavia Hills
Resurfacing Rocky Ridge Road
From Lorna Road to US Highway 280
Alabama Transportation Rehabilitation and Improvement
Program (ATRIP) Application, Phase II

Prepared For:
Mr. John R. Cooper
Transportation Director
Alabama Department of Transportation
1409 Coliseum Boulevard
Montgomery, AL 36130

Project Sponsor Contact:
Mr. Christopher Brady, P.E.
City Engineer
The City of Vestavia Hills, AL
513 Montgomery Highway
Vestavia Hills, AL 35216

Prepared By:
CDG Engineers and Associates, Inc.
100 Concourse Parkway, Suite 170
Hoover, AL 35244
www.cdge.com





ALABAMA TRANSPORTATION REHABILITATION AND IMPROVEMENTS PROGRAM

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	<u>Page No.</u>
Supporting Documentation	1
Project Vicinity Map	4
Cost Estimate	5
Project Sponsor Funding Commitment	7

ATRIP Required Information Checklist

The minimum required application information required by project funding requests includes:

- [1] Letter from Local Sponsor indicating its ability to provide the required local matching funds (20%);
- [2] Map of project location;
- [3] Functional Classification and/or Bridge BIN & Sufficiency Rating;
- [4] Traffic Counts (ADT) for the project and year counts were taken;
- [5] Detailed description of the project;
- [7] Detailed cost estimate with cost share amounts (Federal 80%, Local 20%)
- [8] Proposed project timeline including letting date;
- [9] Status of field survey, environmental permits and plan development.

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**ALABAMA TRANSPORTATION REHABILITATION AND IMPROVEMENT PROGRAM
RESURFACING ROCKY RIDGE ROAD FROM LORNA ROAD TO US HIGHWAY 280
THE CITY OF VESTAVIA HILLS, AL**

1.0 BACKGROUND AND INTRODUCTION

Rocky Ridge Road is an urban minor arterial located in Vestavia Hills, AL, part of the greater Birmingham metropolitan area . The roadway, 5.71 miles in length, is primarily two (2) lanes and traverses residential and commercial developments along its route. Residential development includes single family and multi-family developments that range in size from small garden homes to very large estates. The Rocky Ridge Plaza shopping center, a mixed use business center that contains restaurants, national franchises and local merchants (including fitness centers, a nursery, clothing stores and veteranairians) is the major commercial focal point of the project corridor. Community features such as churches and recreational ball fields are also located within the proposed project limits.

Existing condition of the roadway is poor. The length of the roadway exhibits severe fatigue failure, potholes, utility cuts and previous asphalt patches. There are a number of hazards located within the clear zone and visual inspection reveals guardrail possibly in need of upgrades. As part of the Alabama Transportation Rehabilitation and Improvement Program, the City of Vestavia Hills (the City) is applying for grant funds to resurface Rocky Ridge Road from Lorna Road to US Highway 280. The City has committed to supply the required 20% matching funds for this project. A letter of commitment from the City is included with this funding application.

A brief summary of the project and its benefits are included in Tables 1 & 2.

PROJECT SUMMARY			
<i>Project Length:</i>	30,148 feet (5.71 miles)	<i>Lanes:</i>	Varies
<i>Primary Scope of Work:</i>	Planing, Resurface, Traffic Stripe and Safety Improvements		
<i>Functional Class:</i>	Urban Minor Arterial		

Table 1: Project Summary

KEY BENEFITS	COMMUNITY BENEFICIARIES
1. Safety	Residents and Commuters of the greater Birmingham Metro area
2. Connectivity	Residents and Commuters of the greater Birmingham Metro area
3. Partnerships	Hoover, Vestavia Hills and Jefferson County

Supporting documentation for this project is described herein.

2.0 KEY AREAS OF BENEFICIAL IMPACT

Completion of the proposed project would have profound safety benefits for the traveling public. The roadway is a key commuter route within the greater Birmingham area and many citizens from the surrounding communities would realize a safer, quicker commute with the completion of this project. Key areas of beneficial impact improved safety and connectivity.

Safety

The poor existing condition limits the functionality of a number of roadway elements. Visual inspection of the roadway indicated the presence of longitudinal cracking, rutting and potholes. Fatigue failure is evident in portions of the road. Silt deposition was observed within the flow line along portions of the road constructed with curb and gutter, an indicator of potential cross slope deficiencies.

There are a number of additional safety issues within the project limits which shall be corrected with the proposed project. Brick mailboxes, utility poles and insufficient shoulders create roadside hazards for motorists. Drainage structures, located adjacent to the roadway within the clear zone, lack slope paved headwalls. Guardrail, where present, is outdated and deteriorating. Traffic striping is fading and, in the case of pavement markers, often absent altogether.

The proposed project seeks to improve the ride of the roadway as well as minimize roadside hazards through the addition of guardrail, shoulder improvements and slope paved headwalls.

Connectivity

Rocky Ridge Road serves as a major connector route between two major facilities (US Highway 31 and US Highway 280) and a large number of commuters utilize the roadway as a connection between the two larger facilities. Traffic counts conducted in 2010 indicate greater than 10,000 ADT on the roadway. Improvements to the proposed roadway will increase safety and provide a long-lasting connection for the commuters and residents of Vestavia Hills.

Public Partnerships

The project corridor is comprised of portions of the City of Vestavia Hills, the City of Hoover and Jefferson County. In order to best serve the citizens of the area, these three governmental entities proposed to collaborate on this project so the roadway is resurfaced cohesively regardless of municipal ownership. The City of Vestavia Hills will serve as the primary sponsor and point of contact for the project as the vast majority of the roadway lies within the Vestavia Hills corporate limits. The remaining partners will assist the City with matching funds on a reimbursement agreement.

3.0 PROJECT DELIVERY

This project is to be completed by traditional design-bid-build delivery method. All work is to be completed within existing right-of-way limits and no property acquisition is anticipated. As such, this project will meet the

criteria for a programmatic categorical exclusion under the National Environmental Policy Act (NEPA) and 23 CFR 771, Code of Federal Regulations.

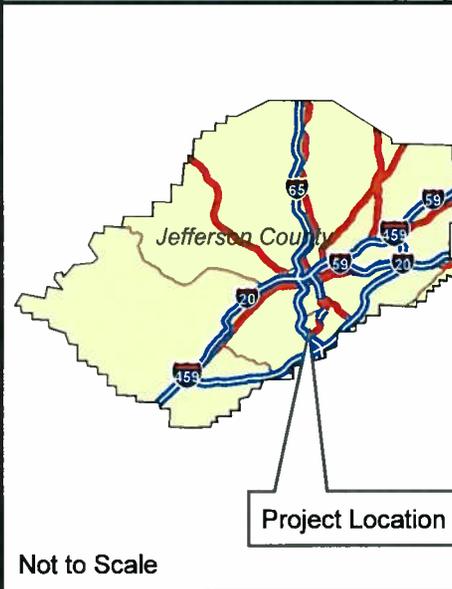
In order to ensure that final construction plans are prepared and available prior to the required letting date set forth in ATRIP documentation, the City of Vestavia Hills is taking proactive steps to complete plan development for this project. The City is negotiating with engineering consultants to complete the field survey and construction plans immediately upon project award. It is the wishes of the City Engineer's office to have completed construction plans in-hand by July 2013, on schedule for a Phase II letting in December 2013. Plans shall be completed in accordance with applicable Alabama Department of Transportation (ALDOT) specifications and standards for 3R projects.

Anticipated project scope includes a materials report detailing rehabilitative treatments for the roadway and construction plans. Likely items of work include shoulder improvements, guardrail additions, upgrading existing drainage headwalls, milling of the existing wearing surface and asphalt overlay with patching/leveling as necessary. Traffic striping, markings and legends will be installed in accordance with the Manual on Uniform Traffic Control Devices (MUTCD). Erosion control structures will be utilized to prevent adverse erosion and sedimentation. A traffic control plan will be developed that allows construction to be completed under traffic while maintaining the safety of construction workers and the traveling public alike.

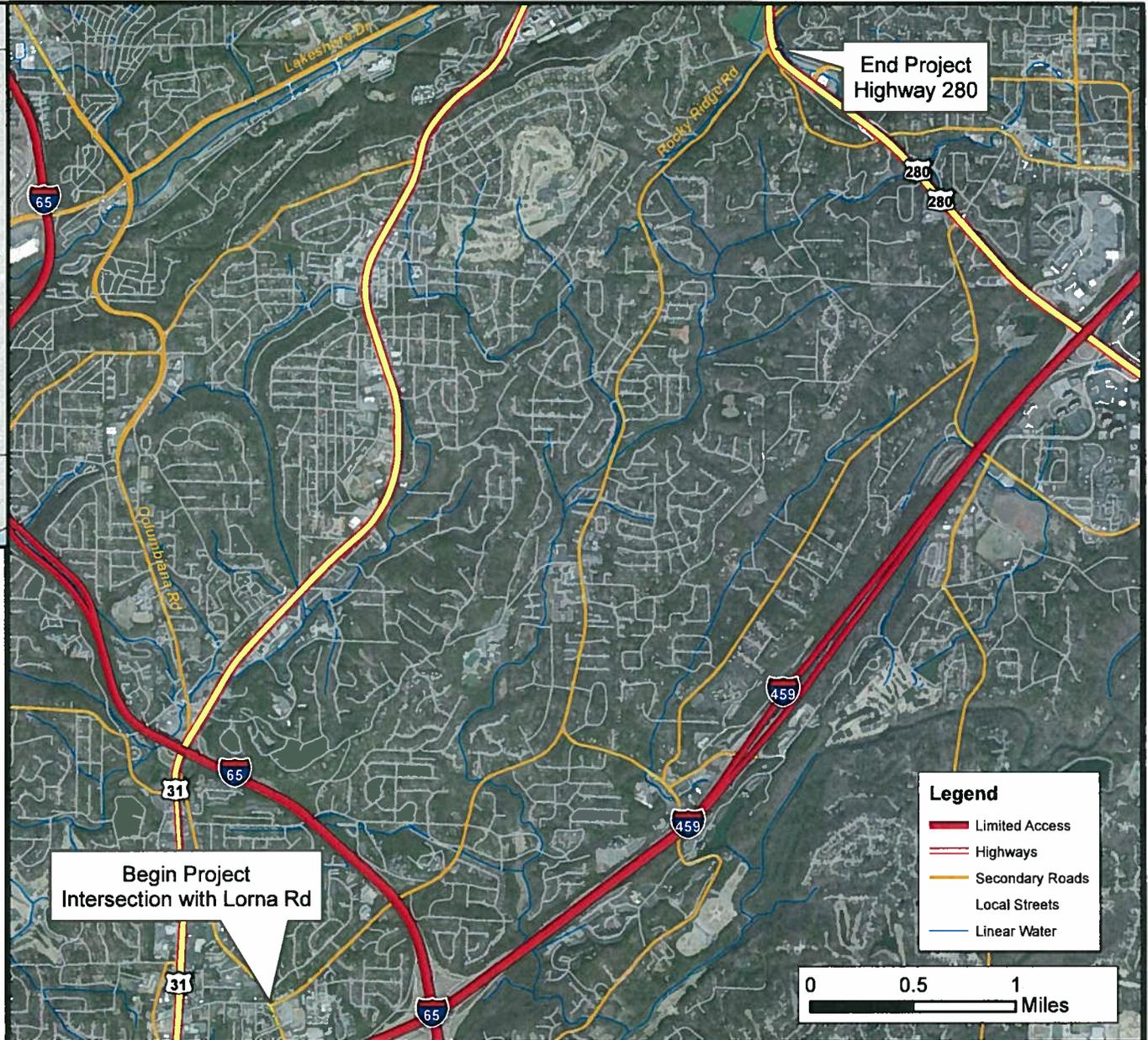
4.0 CONCLUSIONS

The City of Vestavia Hills wishes to apply for Alabama Rehabilitation and Improvement Program funds to resurface Rocky Ridge Road from Lorna Road to US Highway 280. The completion of this project will improve poor pavement conditions and increase safety for the traveling public. The City of Vestavia Hills appreciates your sincerest consideration of this request.

Not to Scale



Not to Scale



Alabama Transportation Rehabilitation and Improvement Program
Resurfacing Rocky Ridge Road
 The City of Vestavia Hills, AL



100 Concourse Parkway
 Suite 170
 (205) 403-2600
 (205) 403-2623 Facsimile
 www.cdge.com



Date
 9-21-12

Engineer's Preliminary Cost Estimate
 Alabama Transportation Rehabilitation and Improvement Program (ATRIP)
Resurfacing Rocky Ridge Rd from Shades Crest Road to Lorna Rd, 5.71 Miles
 Road Classification : Urban Minor Arterial
 City of Vestavia Hills, AL
 September 21, 2012
 Prepared by: CDG Engineers and Associates, Inc.

	ITEM	UNIT	QTY	UNIT PRICE	EXTENSION
1	201A012	Clearing and Grubbing (Maximum Bid \$2500 Per Acre)(Approximately 3 Acres)	L.S.	1	\$ 7,500.00 \$ 7,500.00
2	206D001	Removing Guardrail	L.F.	3,920	\$ 1.73 \$ 6,781.60
3	206E000	Removing Headwalls	Each	10	\$ 201.75 \$ 2,017.50
4	206E008	Removing Guardrail End Anchor (All Type)	Each	16	\$ 171.12 \$ 2,737.92
5	209A000	Mailbox Reset, Single	Each	4	\$ 162.54 \$ 650.16
6	210A000	Unclassified Excavation	C.Y.	1,000	\$ 9.42 \$ 9,420.00
7	210D000	Borrow Excavation	C.Y.	800	\$ 12.94 \$ 10,347.69
8	214A000	Structure Excavation	C.Y.	120	\$ 10.00 \$ 1,200.00
9	214B001	Foundation Backfill (Commercial)	C.Y.	65	\$ 55.00 \$ 3,575.00
10	405A000	Tack Coat	Gal	8,353	\$ 3.18 \$ 26,561.19
11	407B000	Joint Sealant for Hot Mix Asphalt Pavement	MI	9	\$ 332.10 \$ 2,988.90
12	408A052	Planing Existing Pavement (Approximately 1.10" Thru 2.0" Thick)	S.Y.	113,640	\$ 0.79 \$ 89,775.97
13	424A361	Bituminous Concrete Wearing Surface, 3/4" MASM (165#/SY), ESAL Range C/D	Ton	9,375	\$ 72.19 \$ 676,805.73
14	424B650	Superpave Bituminous Concrete Upper Binder Layer, 3/4" MASM (250#/SY), ESAL Range C/D	Ton	14,372	\$ 60.82 \$ 874,084.64
15	502A000	Steel Reinforcement	LB	6,500	\$ 3.31 \$ 21,515.00
16	524B010	Culvert Concrete Extension	C.Y.	50	\$ 550.00 \$ 27,500.00
17	529A010	Retaining Wall	S.F.	8,000	\$ 10.00 \$ 80,000.00
18	600A000	Mobilization	L.S.	1	\$ 20,000.00 \$ 20,000.00
19	619A127	24" Side Drain Pipe End Treatment, Class 2	Each	10	\$ 774.93 \$ 7,749.30
20	630A001	Steel Beam Guardrail, Class A, Type 2	L.F.	4,640	\$ 21.17 \$ 98,228.80
21	630C050	Guardrail End Anchor, Type 20 Series	Each	24	\$ 2,361.31 \$ 56,671.44
22	665J002	Silt Fence	L.F.	800	\$ 3.28 \$ 2,624.00
23	665Q002	Wattle	L.F.	400	\$ 6.21 \$ 2,484.00
24	665O001	Removing Silt Fence	L.F.	800	\$ 0.90 \$ 720.00
25	680A001	Geometric Controls	L.S.	1	\$ 15,000.00 \$ 15,000.00
26	698A000	Construction Fuel (Maximum Bid Limited to 3% of Construction Costs)	L.S.	1	\$ 30,000.00 \$ 30,000.00
27	701A227	Solid White, Class 2, Type A Traffic Stripe	MI	12	\$ 2,877.57 \$ 34,530.84
28	701A230	Solid Yellow, Class 2, Type A Traffic Stripe	MI	12	\$ 2,857.70 \$ 34,292.40
29	701A239	Broken White, Class 2, Type A Traffic Stripe	MI	1	\$ 3,400.00 \$ 3,400.00
30	701A244	Broken Yellow, Class 2, Type A Traffic Stripe	MI	1	\$ 1,719.90 \$ 1,719.90
31	701B-207	Dotted White, Class 2, Type A Traffic Stripe	L.F.	4,005	\$ 0.76 \$ 3,043.80
32	701C000	Broken Temporary Traffic Stripe	MI	3	\$ 735.95 \$ 2,207.85
33	701C001	Solid Temporary Traffic Stripe	MI	24	\$ 751.27 \$ 18,030.48
34	703A002	Traffic Control Markings, Class 2 Type A	S.F.	3,270	\$ 3.48 \$ 11,378.90
35	703B002	Traffic Control Legends, Class 2 Type A	S.F.	404	\$ 3.93 \$ 1,587.72
36	703D001	Temporary Traffic Control Markings	S.F.	3,270	\$ 0.86 \$ 2,812.03
37	703E001	Temporary Traffic Control Legends	S.F.	404	\$ 0.92 \$ 371.68
38	705A030	Pavement Marker, Class A-H, Type 2C	Each	341	\$ 3.87 \$ 1,317.74
39	705A037	Pavement Marker, Class A-H, Type 2D	Each	485	\$ 4.36 \$ 2,113.95

Engineer's Preliminary Cost Estimate
 Alabama Transportation Rehabilitation and Improvement Program (ATRIP)
Resurfacing Rocky Ridge Rd from Shades Crest Road to Lorna Rd, 5.71 Miles
 Road Classification : Urban Minor Arterial
 City of Vestavia Hills, AL
 September 21, 2012
 Prepared by: CDG Engineers and Associates, Inc.

	ITEM	UNIT	QTY	UNIT PRICE	EXTENSION
40	730H001	Loop Wire	L.F.	1,408	\$ 2.36 \$ 3,322.88
41	740B000	Construction Signs	S.F.	460	\$ 7.32 \$ 3,367.20
42	740C000	Special Construction Signs	S.F.	24	\$ 6.93 \$ 166.32
43	740C002	Special Construction Signs (Motorcycle Plaque)	S.F.	12	\$ 6.56 \$ 78.72
44	740D000	Channelizing Drums	Each	50	\$ 33.20 \$ 1,660.00
45	740E000	Cones, 36" High	Each	25	\$ 10.28 \$ 257.00
46	740M001	Ballast for Cones	Each	25	\$ 4.60 \$ 115.00
47	740O000	Pilot Car	Each	1	\$ 3,439.63 \$ 3,439.63
48	742A002	Portable Changeable Message Sign, Type 1	Each	2	\$ 5,540.00 \$ 11,080.00

Construction Subtotal \$ 2,217,232.87

Contingency (5%) \$ 110,861.64

Construction Total \$ 2,328,094.51

Construction Engineering and Inspection (15%) \$ 349,214.18

Total Project Cost	\$ 2,677,308.69
---------------------------	------------------------

Project Sponsor Match (20%) \$ 535,461.74

ATRIP Funding (80%) \$ 2,141,846.95

Cost estimates are made on the basis of the Engineer's experience, qualifications, and professional judgment. The Engineer has no control over the cost of labor, materials, fuel, asphalt indices, equipment or services furnished by others, or over competitive bidding or market condition. These proposals, bids or actual construction cost, as well as costs for design, materials report and survey, may vary from the above cost estimate. CDG cannot be responsible for variations in costs due to market fluctuations. Cost estimate above assumes burden of cost for utility relocations shall be borne by applicable utility provider. Any and all engineering and right-of-way acquisition are the responsibility of the project sponsor.

RESOLUTION NUMBER 4343

A RESOLUTION AUTHORIZING THE MAYOR TO FILE APPLICATION WITH ALABAMA DEPARTMENT OF TRANSPORTATION AND PROVIDE SUCH ADDITIONAL INFORMATION TO ALDOT AS MAY BE REQUIRED

WHEREAS, the City of Vestavia Hills is committed to rehabilitating and improving local transportation infrastructure for its citizens; and

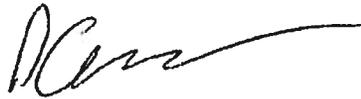
WHEREAS, evidenced by that commitment, the City wishes to make application to the Alabama Department of Transportation (“ALDOT”) for funding assistance from the Alabama Transportation Rehabilitation and Improvement Program (“ATRIP”) for the purpose of resurfacing certain defined portions of streets as defined in the Vestavia Hills ATRIP Resurfacing Package Round 2 ATRIP Proposal (“Proposal”) which is attached and incorporated into this Resolution Number 4343 as if written fully therein.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF VESTAVIA HILLS, ALABAMA, AS FOLLOWS:

1. That the City Council of the City of Vestavia Hills, Alabama, hereby authorizes the filing of an application, including all understandings and assurances contained therein, with the ALDOT for funding assistance from the ATRIP for the purpose of resurfacing certain defined portions of streets as defined in the attached Proposal at a cost not to exceed \$820,000; and
2. That the City of Vestavia Hills will provide all preliminary engineering services, and any funds required for nonparticipating items such as utility relocation; and

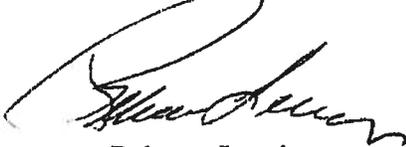
3. That the Mayor is hereby authorized and directed to act in connection with the application and to provide such additional information to ALDOT as may be required.
4. This Resolution Number shall become effective immediately upon adoption and approval.

ADOPTED and APPROVED on this the 24th day of September, 2012.



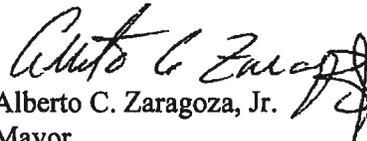
Steve Ammons
Council President

ATTESTED BY:



Rebecca Leavings
City Clerk

APPROVED BY:



Alberto C. Zaragoza, Jr.
Mayor

Vestavia Hills ATRIP Resurfacing Package

Round 2 ATRIP Proposal

Proposed Resurfacing for:

Overton Road (*From South of I-459 Intersection to Liberty Park Bridge, 0.44 Miles*)

Rocky Ridge Road (*From US-280 to Lorna Rd, 5.71 Miles*)

Columbiana Road and Tyler Road (*Tyler Rd from Southland Dr to Columbiana Rd,
Columbiana Rd from US-31 to just north of Crossroads School, 1.35 Miles*)

Prepared For:



Prepared By:



September 21, 2012

Vestavia Hills ATRIP Project Project Benefits and Information

Project Benefits

- This work will be performed to Federal and ALDOT standards and will be built accordingly.
- The road will be upgraded to Federal safety standards.
- The asphalt buildup will be a longer lasting buildup.
- Projects will be covered by 80% federal funds.

<u>Resurfacing Columbiana Road</u>	<u>Speed</u>	<u>Classification</u>	<u>Traffic</u>
	Posted Speed 40 MPH	Urban Minor Arterial	13,800 ADT (2010)

Additional Items of work required for Federal Projects to meet clear zone requirements.

- In some areas the ditch along the road is in the clear zone and too deep, it must be filled in and storm drain pipe added.
- Upgrade all headwalls in clear zone to slope paved headwalls.
- Specified Areas require additional guardrail.

<u>Resurfacing Tyler Road</u>	Posted Speed 40 MPH	Collector	15,000 ADT (2010)
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Additional Items of work required for Federal Projects to meet clear zone requirements.

- Some areas require additional guardrail.
- Some areas of existing guardrail will need to be replaced to meet federal standards.

<u>Resurfacing Rocky Ridge Road</u>	Posted Speed 30-35 MPH	Urban Minor Arterial	10,459 ADT (2010)
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Additional Items of work required for Federal Projects to meet clear zone requirements

- Existing culvert will need to be extended to allow for guardrail installation
- Upgrade all headwalls in clear zone to slope paved headwalls
- Some areas require additional Guardrail
- Some areas of existing guardrail will need to be replaced
- 2 Brick Mailboxes are in the clear zone and must be replaced with breakaway mailboxes.
- Some utility poles will have to be relocated outside the clear zone.
- Add retaining wall to install Guardrail and avoid trees.

Vestavia Hills ATRIP Project Project Benefits and Information

Project Benefits

- This work will be performed to Federal and ALDOT standards and will be built accordingly.
- The road will be upgraded to Federal safety standards.
- The asphalt buildup will be a longer lasting buildup.
- Projects will be covered by 80% federal funds.

<u>Resurfacing Columbiana Road</u>	<u>Speed</u>	<u>Classification</u>	<u>Traffic</u>
	Posted Speed 40 MPH	Urban Minor Arterial	13,800 ADT (2010)

Additional Items of work required for Federal Projects to meet clear zone requirements.

- In some areas the ditch along the road is in the clear zone and too deep, it must be filled in and storm drain pipe added.
- Upgrade all headwalls in clear zone to slope paved headwalls.
- Specified Areas require additional guardrail.

<u>Resurfacing Tyler Road</u>	Posted Speed 40 MPH	Collector	15,000 ADT (2010)
-------------------------------	---------------------	-----------	-------------------

Additional Items of work required for Federal Projects to meet clear zone requirements.

- Some areas require additional guardrail.
- Some areas of existing guardrail will need to be replaced to meet federal standards.

<u>Resurfacing Rocky Ridge Road</u>	Posted Speed 30-35 MPH	Urban Minor Arterial	10,459 ADT (2010)
-------------------------------------	------------------------	----------------------	-------------------

Additional Items of work required for Federal Projects to meet clear zone requirements

- Existing culvert will need to be extended to allow for guardrail installation
- Upgrade all headwalls in clear zone to slope paved headwalls
- Some areas require additional Guardrail
- Some areas of existing guardrail will need to be replaced
- 2 Brick Mailboxes are in the clear zone and must be replaced with breakaway mailboxes.
- Some utility poles will have to be relocated outside the clear zone.
- Add retaining wall to install Guardrail and avoid trees.

Vestavia Hills ATRIP Project Cost Estimates
Prepared by: CDG Engineers and Associates, Inc.
Friday, September 21, 2012

Resurfacing Location	Total Construction	80% Funding	20% Match	Design Fee	Materials Report	Survey	Total Cost To City
Overton Rd from South of the I-459 Intersection to Liberty Park Bridge, 0.44 Miles	\$349,621.82	\$279,697.46	\$69,924.36	\$15,000.00	\$3,500.00	\$0.00	\$88,424.36
Rocky Ridge Rd from US-280 to Lorna Rd, 5.71 Miles	\$2,677,308.69	\$2,141,846.95	\$535,461.74	\$94,000.00	\$15,000.00	\$13,000.00	\$657,461.74
Columbiana Rd and Tyler Rd, Approximately 1.35 Miles	\$1,057,503.74	\$846,002.99	\$211,500.75	\$45,000.00	\$10,000.00	\$5,000.00	\$271,500.75
Totals	\$4,084,434.25	\$3,267,547.40	\$816,886.85	\$154,000.00	\$28,500.00	\$18,000.00	\$1,017,386.85

Cost estimates are made on the basis of the Engineer's experience, qualifications, and professional judgment. The Engineer has no control over the cost of labor, materials, fuel, asphalt indices, equipment or services furnished by others, or over competitive bidding or market condition. These proposals, bids or actual construction cost, as well as costs for design, materials report and survey, may vary from the above cost estimate. CDG cannot be responsible for variations in costs due to market fluctuations. Cost estimate above assumes burden of cost for utility relocations shall be borne by applicable utility provider. Any and all engineering and right-of-way acquisition are the responsibility of the project sponsor.

February 11, 2013

The City of Vestavia Hills **ATRIP Project Award Summary**

Prepared For:
Mr. Christopher Brady, P.E.
City Engineer
The City of Vestavia Hills, AL
513 Montgomery Highway
Vestavia Hills, AL 35216



Prepared By:
CDG Engineers and Associates, Inc.
100 Concourse Parkway, Suite 170
Hoover, AL 35244
www.cdge.com



EXECUTIVE SUMMARY

The City of Vestavia Hills has successfully been awarded funding to improve a number of City streets through the Alabama Transportation Rehabilitation and Improvements Program (ATRIP), a federally-funded program administered by ALDOT and matched by the City at 20%. Awarded projects include resurfacing Rocky Ridge Road, Overton Road, Columbiana Road and Tyler Road totaling 7.50 miles at an estimated construction cost of \$4,084,434.25.

CDG Engineers and Associates, Inc. (CDG) facilitated the funding award and has provided proposals to provide the required engineering consultation at a total cost of \$200,500.00. All engineering work will be completed, reviewed and approved by October 2013 in anticipation of a December project letting. Including the committed 20% funding match, total cost to the City inclusive of engineering is estimated at \$1,017,386.85.

The ATRIP funding award presents a meaningful opportunity for the City of Vestavia Hills to address important infrastructure improvements at reduced cost via Federal-aid funding.

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ALABAMA TRANSPORTATION REHABILITATION AND IMPROVEMENT PROGRAM, ROUND 3 PROJECT AWARD SUMMARY

1.0 BACKGROUND AND INTRODUCTION

The Alabama Transportation Rehabilitation and Improvement Program (ATRIP) is a comprehensive funding initiative enacted by Alabama Governor Robert Bentley to assist counties and municipalities to address critical infrastructure improvements. On behalf of the City of Vestavia Hills, CDG Engineers & Associates (CDG) completed Round 3 ATRIP applications for local projects including:

- Resurfacing Rocky Ridge Road
- Resurfacing Overton Road from I-459 to the Liberty Park Bridge
- Resurfacing Columbiana Road from US Highway 31 to the Crossroads School
- Resurfacing Tyler Road from Columbiana Road to Southland Drive

All projects submitted for funding were approved by Governor Bentley on February 4, 2013.

Maps of the City’s awarded projects are included in Appendix A.

2.0 SCOPE OF PROJECT(S)

In general, all projects awarded encompass rehabilitation of in-place pavements via planing, resurfacing and roadway striping. Limited binder and subgrade improvements may be necessary to correct pavement deficiencies. Due to federally-mandated safety policies, secondary improvements such as guardrail additions, shoulder widening, drainage improvements and increased signage will be required, particularly on Rocky Ridge Road. Table 1, below, details anticipated construction activities for each project, preliminary estimated construction cost and required City funding match (20% of cost):

Roadway	Length	Construction Activities	Estimated Cost	Req'd City Match
Rocky Ridge Road	5.71 Miles	Plane, Resurfacing and Traffic Stripe; Guardrail, Shoulder Widening, Drainage Improvements.	\$2,677,308.69 *	\$535,461.74 *
Overton Road	0.44 Miles	Plane, Resurfacing and Traffic Stripe	\$349,621.82	\$69,924.36
Columbiana Road	0.85 Miles	Plane, Resurfacing and Traffic Stripe	\$1,057,503.74	\$211,500.75
Tyler Road	0.50 Miles	Plane, Resurfacing and Traffic Stripe; Guardrail		

* Rocky Ridge Road construction to be a collaborative effort with Jefferson County, the City of Hoover and the City of Mountain Brook.

Please note estimated costs and City match includes consultant fees for Construction Engineering and Inspection (CEI) as required by ALDOT and funded at 80/20 by the ATRIP program.

Copies of the detailed preliminary cost estimates are included in Appendix B.

3.0 PROJECT TIMELINES

ATRIP projects must be completed on a strict timeline. As of the announcement of Round 3 funding awards, all projects must be let for construction no later than December 6, 2013. A schedule of major design milestones is as follows:

- ATRIP Project Award: February 4, 2013
- ALDOT Scoping Meeting: February 21, 2013
- ALDOT PSE Review Submittal: July 26, 2013
- ALDOT Construction Bureau Submittal: September 13, 2013
- ALDOT Final Approval: October 11, 2013
- ALDOT Agreement with City for Funding: November 8, 2013
- Project Letting (by ALDOT): December 6, 2013
- Anticipated Construction Notice to Proceed: February – March 2014

It is important to note these are preliminary dates and are subject to revision by ALDOT. CDG anticipates pursuing an aggressive submittal schedule to ensure each milestone is met or exceeded, with final construction plan assembly completed, reviewed and approved by ALDOT no later than early October 2013.

4.0 PRELIMINARY ENGINEERING FEES

Engineering fees for the development of required construction plans for ATRIP projects are not reimbursable under the current program. Man-day fee proposals for each of these projects will be completed by CDG and submitted for review to the City of Vestavia Hills. The scope of work for each project includes field survey, geotechnical evaluation, development of pavement recommendations, development of final construction plans and coordination with the City and ALDOT as required.

Estimated fees for each ATRIP project are summarized below, as is the total financial commitment from the City based on required engineering fees plus committed 20% funding match (see Table 1).

<i>Project</i>	<i>Design</i>	<i>Geotechnical</i>	<i>Survey</i>	<i>Total Engineering</i>	<i>Req'd City Match</i>	<i>Total City Cost</i>
Resurface Rocky Ridge Road	\$94,000.00	\$15,000.00	\$13,000.00	\$122,000.00	\$535,461.74	\$657,461.74
Resurface Overton /Columbiana / Tyler Roads	\$60,000.00	\$13,500.00	\$5,000.00	\$78,500.00	\$281,425.11	\$359,925.11
TOTAL	\$154,000.00	\$28,500.00	\$18,000.00	\$200,500.00	\$816,886.85	\$1,017,386.85

5.0 CONSTRUCTION ENGINEERING AND INSPECTION

We recommend that CDG be retained to provide construction engineering and inspection (CEI) services during the construction phase of the project. CDG has an on-call consultant contract, No. 1338, with ALDOT for CEI services and has successfully inspected a number of ALDOT projects similar in nature to those awarded to the City by ATRIP.

CEI services, typically 15% of construction cost, are generally provided on an hourly basis in accordance with published ALDOT procedures and may be negotiated after detailed construction cost estimates have been completed during the design phase.

APPENDIX A

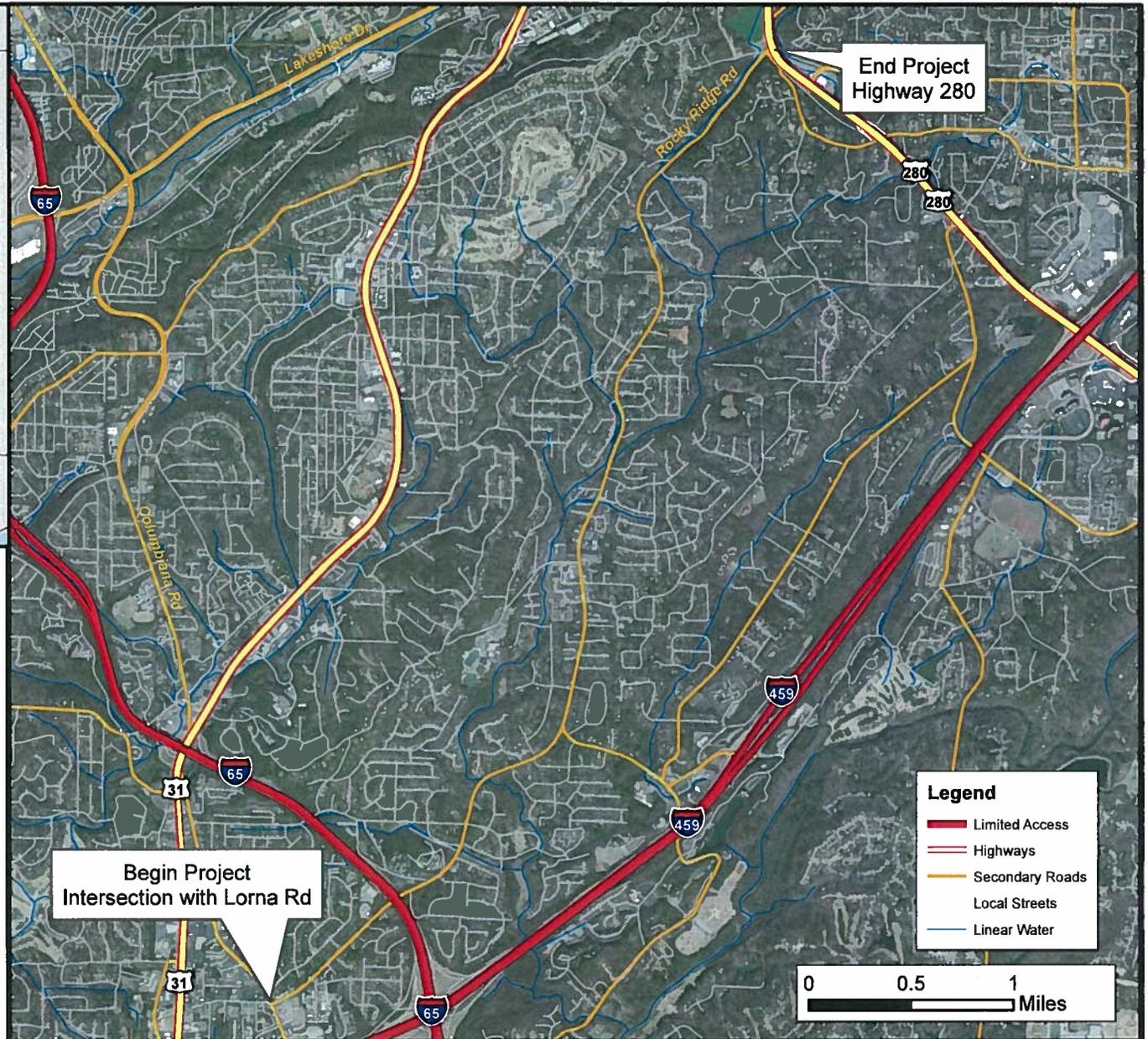
ATRIP Project Maps



Not to Scale

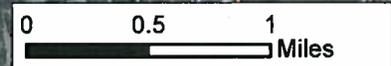


Not to Scale



Legend

- Limited Access
- Highways
- Secondary Roads
- Local Streets
- Linear Water



Alabama Transportation Rehabilitation and Improvement Program

Resurfacing Rocky Ridge Road

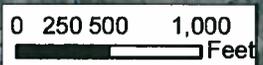
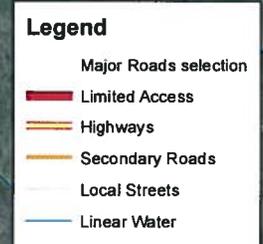
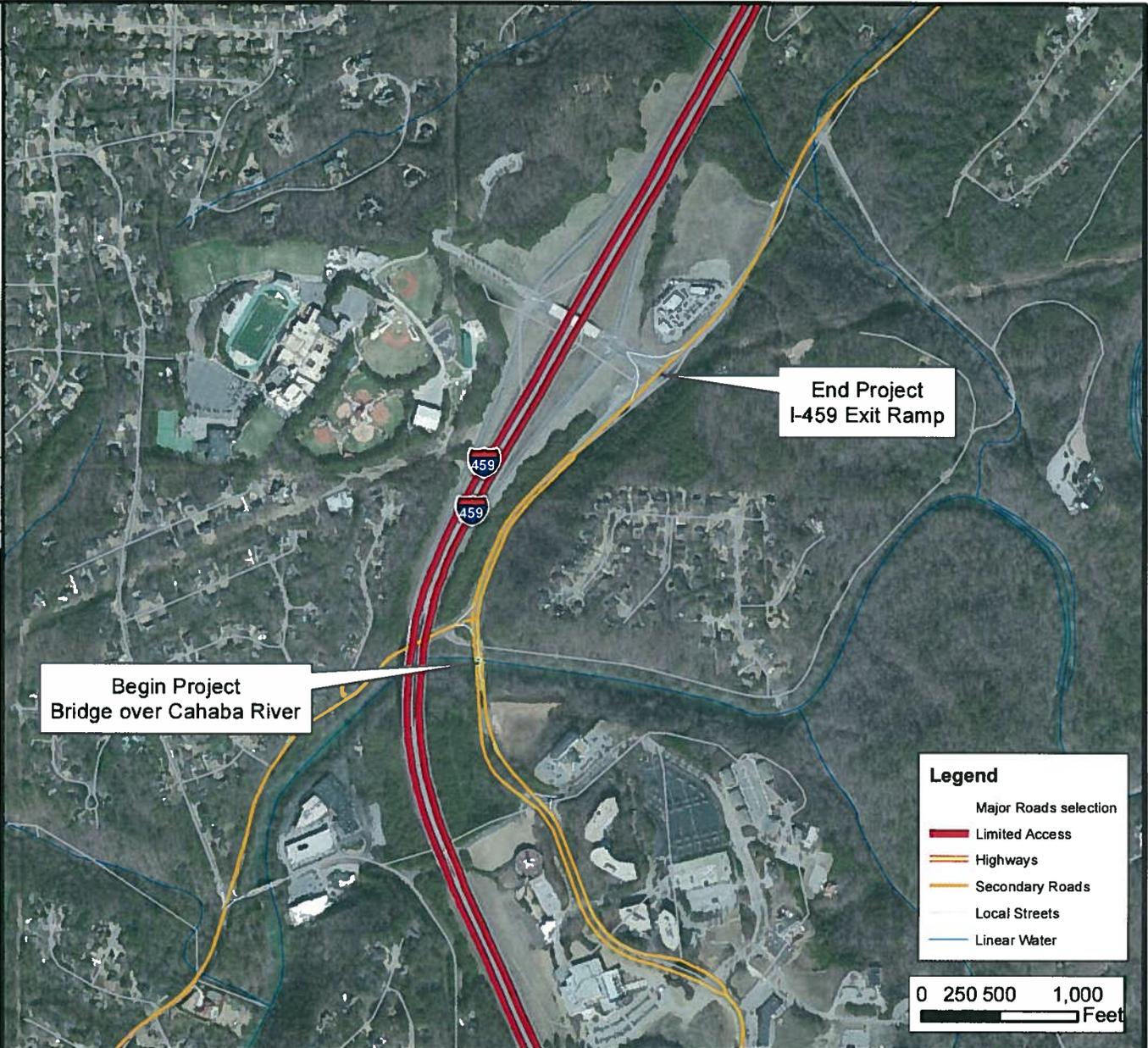
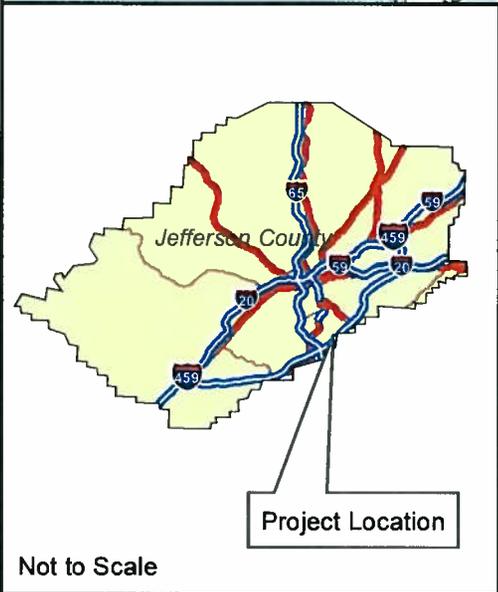
The City of Vestavia Hills, AL



100 Concourse Parkway
Suite 170
(205) 403-2600
(205) 403-2623 Facsimile
www.cdge.com



Date
9-21-12



Alabama Transportation Rehabilitation and Improvement Program
Resurfacing Overton Road
 The City of Vestavia Hills, AL



100 Concourse Parkway
 Suite 170
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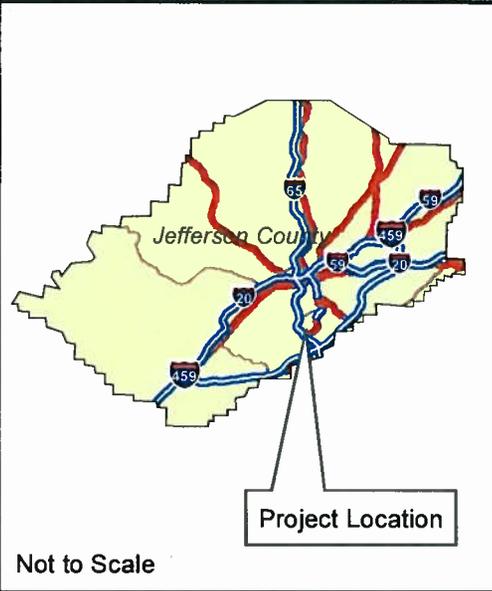


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 9-19-12

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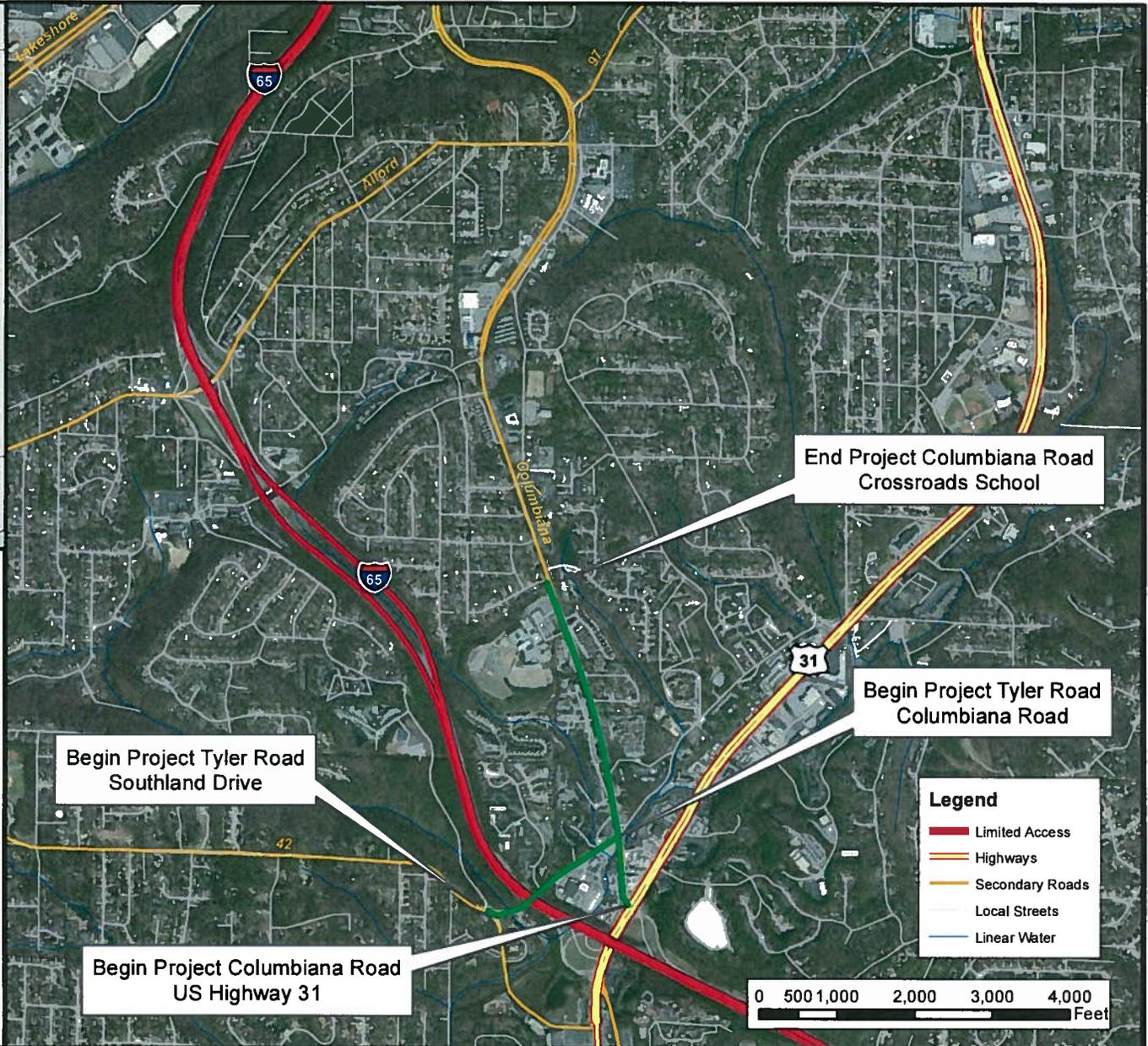


Project Location



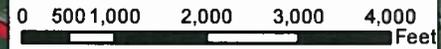
Project Location

Not to Scale



Legend

- Limited Access
- Highways
- Secondary Roads
- Local Streets
- Linear Water



Alabama Transportation Rehabilitation and Improvement Program
Resurfacing Columbiana Road & Tyler Road
 The City of Vestavia Hills, AL



100 Concourse Parkway
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Date
 9-19-12

APPENDIX B

Preliminary Cost Estimates



Engineer's Preliminary Cost Estimate
Alabama Transportation Rehabilitation and Improvement Program (ATRIP)
Resurfacing Rocky Ridge Rd from Shades Crest Road to Lorna Rd, 5.71 Miles
Road Classification : Urban Minor Arterial
City of Vestavia Hills, AL
September 21, 2012
Prepared by: CDG Engineers and Associates, Inc.

	ITEM	UNIT	QTY	UNIT PRICE	EXTENSION
1	201A012	Clearing and Grubbing (Maximum Bid \$2500 Per Acre)(Approximately 3 Acres)	L.S.	1	\$ 7,500.00 \$ 7,500.00
2	206D001	Removing Guardrail	L.F.	3,920	\$ 1.73 \$ 6,781.60
3	206E000	Removing Headwalls	Each	10	\$ 201.75 \$ 2,017.50
4	206E008	Removing Guardrail End Anchor (All Type)	Each	16	\$ 171.12 \$ 2,737.92
5	209A000	Mailbox Reset, Single	Each	4	\$ 162.54 \$ 650.16
6	210A000	Unclassified Excavation	C.Y.	1,000	\$ 9.42 \$ 9,420.00
7	210D000	Borrow Excavation	C.Y.	800	\$ 12.94 \$ 10,347.69
8	214A000	Structure Excavation	C.Y.	120	\$ 10.00 \$ 1,200.00
9	214B001	Foundation Backfill (Commercial)	C.Y.	65	\$ 55.00 \$ 3,575.00
10	405A000	Tack Coat	Gal	8,353	\$ 3.18 \$ 26,561.19
11	407B000	Joint Sealant for Hot Mix Asphalt Pavement	MI	9	\$ 332.10 \$ 2,988.90
12	408A052	Planing Existing Pavement (Approximately 1.10" Thru 2.0" Thick)	S.Y.	113,640	\$ 0.79 \$ 89,775.97
13	424A361	Bituminous Concrete Wearing Surface, 3/4" MASM (165#/SY), ESAL Range C/D	Ton	9,375	\$ 72.19 \$ 676,805.73
14	424B650	Superpave Bituminous Concrete Upper Binder Layer, 3/4" MASM (250#/SY), ESAL Range C/D	Ton	14,372	\$ 60.82 \$ 874,084.64
15	502A000	Steel Reinforcement	LB	6,500	\$ 3.31 \$ 21,515.00
16	524B010	Culvert Concrete Extension	C.Y.	50	\$ 550.00 \$ 27,500.00
17	529A010	Retaining Wall	S.F.	8,000	\$ 10.00 \$ 80,000.00
18	600A000	Mobilization	L.S.	1	\$ 20,000.00 \$ 20,000.00
19	619A127	24" Side Drain Pipe End Treatment, Class 2	Each	10	\$ 774.93 \$ 7,749.30
20	630A001	Steel Beam Guardrail, Class A, Type 2	L.F.	4,640	\$ 21.17 \$ 98,228.80
21	630C050	Guardrail End Anchor, Type 20 Series	Each	24	\$ 2,361.31 \$ 56,671.44
22	665J002	Silt Fence	L.F.	800	\$ 3.28 \$ 2,624.00
23	665Q002	Wattle	L.F.	400	\$ 6.21 \$ 2,484.00
24	665O001	Removing Silt Fence	L.F.	800	\$ 0.90 \$ 720.00
25	680A001	Geometric Controls	L.S.	1	\$ 15,000.00 \$ 15,000.00
26	698A000	Construction Fuel (Maximum Bid Limited to 3% of Construction Costs)	L.S.	1	\$ 30,000.00 \$ 30,000.00
27	701A227	Solid White, Class 2, Type A Traffic Stripe	MI	12	\$ 2,877.57 \$ 34,530.84
28	701A230	Solid Yellow, Class 2, Type A Traffic Stripe	MI	12	\$ 2,857.70 \$ 34,292.40
29	701A239	Broken White, Class 2, Type A Traffic Stripe	MI	1	\$ 3,400.00 \$ 3,400.00
30	701A244	Broken Yellow, Class 2, Type A Traffic Stripe	MI	1	\$ 1,719.90 \$ 1,719.90
31	701B-207	Dotted White, Class 2, Type A Traffic Stripe	L.F.	4,005	\$ 0.76 \$ 3,043.80
32	701C000	Broken Temporary Traffic Stripe	MI	3	\$ 735.95 \$ 2,207.85
33	701C001	Solid Temporary Traffic Stripe	MI	24	\$ 751.27 \$ 18,030.48
34	703A002	Traffic Control Markings, Class 2 Type A	S.F.	3,270	\$ 3.48 \$ 11,378.90
35	703B002	Traffic Control Legends, Class 2 Type A	S.F.	404	\$ 3.93 \$ 1,587.72
36	703D001	Temporary Traffic Control Markings	S.F.	3,270	\$ 0.86 \$ 2,812.03
37	703E001	Temporary Traffic Control Legends	S.F.	404	\$ 0.92 \$ 371.68
38	705A030	Pavement Marker, Class A-H, Type 2C	Each	341	\$ 3.87 \$ 1,317.74
39	705A037	Pavement Marker, Class A-H, Type 2D	Each	485	\$ 4.36 \$ 2,113.95

Engineer's Preliminary Cost Estimate
 Alabama Transportation Rehabilitation and Improvement Program (ATRIP)
Resurfacing Rocky Ridge Rd from Shades Crest Road to Lorna Rd, 5.71 Miles
 Road Classification : Urban Minor Arterial
 City of Vestavia Hills, AL
 September 21, 2012
 Prepared by: CDG Engineers and Associates, Inc.

	ITEM		UNIT	QTY	UNIT PRICE	EXTENSION
40	730H001	Loop Wire	L.F.	1,408	\$ 2.36	\$ 3,322.88
41	740B000	Construction Signs	S.F.	460	\$ 7.32	\$ 3,367.20
42	740C000	Special Construction Signs	S.F.	24	\$ 6.93	\$ 166.32
43	740C002	Special Construction Signs (Motorcycle Plaque)	S.F.	12	\$ 6.56	\$ 78.72
44	740D000	Channelizing Drums	Each	50	\$ 33.20	\$ 1,660.00
45	740E000	Cones, 36" High	Each	25	\$ 10.28	\$ 257.00
46	740M001	Ballast for Cones	Each	25	\$ 4.60	\$ 115.00
47	740O000	Pilot Car	Each	1	\$ 3,439.63	\$ 3,439.63
48	742A002	Portable Changeable Message Sign, Type 1	Each	2	\$ 5,540.00	\$ 11,080.00

Construction Subtotal	\$ 2,217,232.87
Contingency (5%)	\$ 110,861.64
Construction Total	\$ 2,328,094.51
Construction Engineering and Inspection (15%)	\$ 349,214.18
Total Project Cost	\$ 2,677,308.69
Project Sponsor Match (20%)	\$ 535,461.74
ATRIP Funding (80%)	\$ 2,141,846.95

Cost estimates are made on the basis of the Engineer's experience, qualifications, and professional judgment. The Engineer has no control over the cost of labor, materials, fuel, asphalt indices, equipment or services furnished by others, or over competitive bidding or market condition. These proposals, bids or actual construction cost, as well as costs for design, materials report and survey, may vary from the above cost estimate. CDG cannot be responsible for variations in costs due to market fluctuations. Cost estimate above assumes burden of cost for utility relocations shall be borne by applicable utility provider. Any and all engineering and right-of-way acquisition are the responsibility of the project sponsor.

Engineer's Preliminary Cost Estimate
Alabama Transportation Rehabilitation and Improvement Program (ATRIP)
Resurfacing Overton Rd from South of the I-459 Intersection to Liberty Park Bridge, 0.44 Miles
City of Vestavia Hills, AL
September 12, 2012
Prepared by: CDG Engineers and Associates, Inc.

	ITEM	UNIT	QTY	UNIT PRICE	EXTENSION
1	405A000	Tack Coat	GAL	879	\$ 3,154.77
2	407B000	Joint Sealant for Hot Mix Asphalt Pavement	MI	1	\$ 423.73
3	408A052	Planing Existing Pavement (Approximately 1.10" Thru 2.0" Thick)	S.Y.	12,554	\$ 21,215.89
4	424A361	Bituminous Concrete Wearing Surface, 3/4" MASM (165#/SY), ESAL Range C/D	Ton	1,036	\$ 88,592.66
5	424B650	Superpave Bituminous Concrete Upper Binder Layer, 3/4" MASM (250#/SY), ESAL Range C/D	Ton	1,582	\$ 114,310.09
6	600A000	Mobilization	L.S.	1	\$ 10,000.00
7	680A001	Geometric Controls	L.S.	1	\$ 3,800.00
8	698A000	Construction Fuel (Maximum Bid Limited to 3% of Construction Costs)	L.S.	1	\$ 9,000.00
9	701A227	Solid White, Class 2, Type A Traffic Stripe	MI	1	\$ 2,912.05
10	701A230	Solid Yellow, Class 2, Type A Traffic Stripe	MI	1	\$ 2,881.12
11	701A-239	Broken White, Class 2, Type A Traffic Stripe	MI	1	\$ 1,506.09
12	701B-207	Dotted White, Class 2, Type A Traffic Stripe	L.F.	225	\$ 364.50
13	701C000	Broken Temporary Traffic Stripe	MI	2	\$ 1,471.90
14	701C001	Solid Temporary Traffic Stripe	MI	2	\$ 1,689.80
15	703A002	Traffic Control Markings, Class 2 Type A	S.F.	824	\$ 3,206.53
16	703B002	Traffic Control Legends, Class 2 Type A	S.F.	112	\$ 468.37
17	703D001	Temporary Traffic Control Markings	S.F.	824	\$ 1,013.89
18	703E001	Temporary Traffic Control Legends	S.F.	112	\$ 137.82
19	705A030	Pavement Marker, Class A-H, Type 2C	Each	94	\$ 375.00
20	705A037	Pavement Marker, Class A-H, Type 2D	Each	47	\$ 119.80
21	730H001	Loop Wire	L.F.	700	\$ 2,814.00
22	740B000	Construction Signs	S.F.	460	\$ 3,367.20
23	740C000	Special Construction Signs	S.F.	24	\$ 166.32
24	740C002	Special Construction Signs (Motorcycle Plaque)	S.F.	12	\$ 78.72
25	740D000	Channelizing Drums	Each	50	\$ 1,660.00
26	740E000	Cones, 36" High	Each	25	\$ 257.00
27	740M001	Ballast for Cones	Each	25	\$ 115.00
28	740O000	Pilot Car	Each	1	\$ 3,439.63
29	742A002	Portable Changeable Message Sign, Type 1	Each	2	\$ 11,000.00

Construction Subtotal	\$ 289,541.88
Contingency (5%)	\$ 14,477.09
Construction Total	\$ 304,018.97
Construction Engineering and Inspection (15%)	\$ 45,602.85
Total Project Cost	\$ 349,621.82
Project Sponsor Match (20%)	\$ 69,924.36
ATRIP Funding (80%)	\$ 279,697.46

Cost estimates are made on the basis of the Engineer's experience, qualifications, and professional judgment. The Engineer has no control over the cost of labor, materials, fuel, asphalt indices, equipment or services furnished by others, or over competitive bidding or market condition. These proposals, bids or actual construction cost, as well as costs for design, materials report and survey, may vary from the above cost estimate. CDG cannot be responsible for variations in costs due to market fluctuations. Cost estimate above assumes burden of cost for utility relocations shall be borne by applicable utility provider. Any and all engineering and right-of-way acquisition are the responsibility of the project sponsor.

Engineer's Preliminary Cost Estimate
Alabama Transportation Rehabilitation and Improvement Program (ATRIP)
Resurfacing Columbiana Rd and Tyler Rd, Approximately 1.35 Miles
Columbiana Rd - Urban Minor Arterials Tyler Road - Collector
City of Vestavia Hills, AL
September 12, 2012
Prepared by: CDG Engineers and Associates, Inc.

	ITEM	UNIT	QTY	UNIT PRICE	EXTENSION
1	206D001	Removing Guardrail	L.F.	300	\$ 2.22 \$ 666.00
2	206E008	Removing Guardrail End Anchor (All Type)	Each	2	\$ 211.84 \$ 423.68
3	405A000	Tack Coat	Gal	3,110	\$ 3.30 \$ 10,263.45
4	407B000	Joint Sealant for Hot Mix Asphalt Pavement	MI	4	\$ 350.93 \$ 1,403.72
5	408A052	Planing Existing Pavement (Approximately 1.10" Thru 2.0" Thick)	S.Y.	44,431	\$ 0.98 \$ 43,541.93
6	424A361	Bituminous Concrete Wearing Surface, 3/4" MASM (165#/SY), ESAL Range C/D	Ton	3,666	\$ 75.60 \$ 277,113.28
7	424B650	Superpave Bituminous Concrete Upper Binder Layer, 3/4" MASM (250#/SY), ESAL Range C/D	Ton	5,593	\$ 63.84 \$ 357,044.27
8	600A000	Mobilization	L.S.	1	\$ 20,000.00 \$ 20,000.00
9	630A001	Steel Beam Guardrail, Class A, Type 2	L.F.	800	\$ 23.20 \$ 18,560.00
10	630C050	Guardrail End Anchor, Type 20 Series	Each	4	\$ 2,592.61 \$ 10,370.44
11	665J002	Silt Fence	L.F.	800	\$ 3.28 \$ 2,624.00
12	665O001	Silt Fence Removal	L.F.	800	\$ 0.90 \$ 720.00
13	680A001	Geometric Controls	L.S.	1	\$ 9,000.00 \$ 9,000.00
14	698A000	Construction Fuel (Maximum Bid Limited to 3% of Construction Costs)	L.S.	1	\$ 13,500.00 \$ 13,500.00
15	701A227	Solid White, Class 2, Type A Traffic Stripe	MI	8	\$ 2,877.57 \$ 23,020.56
16	701A230	Solid Yellow, Class 2, Type A Traffic Stripe	MI	7	\$ 2,857.70 \$ 20,003.90
17	701A244	Broken Yellow, Class 2, Type A Traffic Stripe	MI	2	\$ 1,742.60 \$ 3,485.20
18	701B207	Dotted White, Class 2, Type A Traffic Stripe	L.F.	3,360	\$ 0.77 \$ 2,587.20
19	701C000	Broken Temporary Traffic Stripe	MI	4	\$ 734.97 \$ 2,939.88
20	701C001	Solid Temporary Traffic Stripe	MI	15	\$ 758.26 \$ 11,373.90
21	703A002	Traffic Control Markings, Class 2 Type A	S.F.	3,146	\$ 3.46 \$ 10,885.16
22	703B002	Traffic Control Legends, Class 2 Type A	S.F.	448	\$ 3.87 \$ 1,734.53
23	703D001	Temporary Traffic Control Markings	S.F.	3,146	\$ 0.85 \$ 2,674.10
24	703E001	Temporary Traffic Control Legends	S.F.	448	\$ 0.86 \$ 385.45
25	705A030	Pavement Marker, Class A-H, Type 2C	Each	131	\$ 3.97 \$ 521.06
26	705A037	Pavement Marker, Class A-H, Type 2D	Each	290	\$ 4.21 \$ 1,222.58
27	730H001	Loop Wire	L.F.	2,500	\$ 2.25 \$ 5,625.00
28	740B000	Construction Signs	S.F.	920	\$ 6.92 \$ 6,366.40
29	740C000	Special Construction Signs	S.F.	48	\$ 6.78 \$ 325.44
30	740C002	Special Construction Signs (Motorcycle Plaque)	S.F.	24	\$ 6.53 \$ 156.72
31	740D000	Channelizing Drums	Each	75	\$ 32.40 \$ 2,430.00
32	740E000	Cones, 36" High	Each	25	\$ 10.28 \$ 257.00
33	740M001	Ballast for Cones	Each	25	\$ 4.60 \$ 115.00
34	740O000	Pilot Car	Each	1	\$ 3,439.63 \$ 3,439.63
35	742A002	Portable Changeable Message Sign, Type 1	Each	2	\$ 5,500.00 \$ 11,000.00

Construction Subtotal	\$ 875,779.50
Contingency (5%)	\$ 43,788.97
Construction Total	\$ 919,568.47
Construction Engineering and Inspection (15%)	\$ 137,935.27
Total Project Cost	\$ 1,057,503.74
Project Sponsor Match (20%)	\$ 211,500.75
ATRIP Funding (80%)	\$ 846,002.99

Cost estimates are made on the basis of the Engineer's experience, qualifications, and professional judgment. The Engineer has no control over the cost of labor, materials, fuel, asphalt indices, equipment or services furnished by others, or over competitive bidding or market condition. These proposals, bids or actual construction cost, as well as costs for design, materials report and survey, may vary from the above cost estimate. CDG cannot be responsible for variations in costs due to market fluctuations. Cost estimate above assumes burden of cost for utility relocations shall be borne by applicable utility provider. Any and all engineering and right-of-way acquisition are the responsibility of the project sponsor.