

ORIGINAL TO GENERAL FILES

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

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## OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

**FILE** P.I. #610890-  
IMSTP-0075-03-(208)  
GDOT District 6 - Cartersville  
Whitfield County  
I-75 Interchange @ CR655/Carbondale

**OFFICE** Design Policy & Support

**DATE** June 29, 2012

**FROM**  for Brent Story, State Design Policy Engineer

**TO** SEE DISTRIBUTION

**SUBJECT** APPROVED LOCATION & DESIGN REPORT

Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

DISTRIBUTION:

Genetha Rice-Singleton, State Program Delivery Engineer  
Bobby Hilliard, Program Control Administrator  
Lisa Myers, State Project Review Engineer  
Phil Copeland, State Right-of-Way Administrator  
Glenn Bowman, State Environmental Administrator  
Kathy Zahul, State Traffic Engineer  
Cindy VanDyke, State Transportation Planning Administrator  
Ken Thompson, Location Bureau Chief  
Ben Rabun, State Bridge Engineer  
Angela Robinson, Financial Management Administrator  
Andy Casey, State Roadway Design Engineer  
Attn: Fletcher Miller  
Devon Brooks, Area Engineer - D6, A3  
Greg Hood, District Planning & Programming Engineer  
DeWayne Comer, District Engineer  
Kimberly Nesbitt, Project Manager  
BOARD MEMBER - 9th Congressional District

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE** IMSTP-0075-03(208) Whitfield County **OFFICE** Program Delivery  
PI 610890-  
I-75 Interchange @ CR 655/Carbondale Road **DATE** June 29, 2012

**FROM**   
 Genetha Rice-Singleton, State Program Delivery Engineer

**TO** Brent A. Story, P.E., State Design Policy Engineer  
Attention: Dave Peters, P.E., State Conceptual Design Group Manager

**SUBJECT** Request for Location and Design Approval

**Description and Project Proposal:** This project is the reconstruction of the I-75/CR 665 (Carbondale Road) Interchange in Whitfield County. The project incorporates the widening and reconstruction of Carbondale Road beginning approximately 500 feet west of the existing I-75 Southbound ramps from the existing two lane rural section and extends east crossing over I-75 with a new 4-lane bridge offset approximately 20 ft. south of the existing bridge centerline. The bridge typical section consists of two travel lanes in each direction with a 10 ft. raised median and 8 ft. urban shoulders. The alignment then continues with two travel lanes in each direction with a 16 ft. raised median and 12 ft. urban shoulders to approximately 500 feet east of the intersection of Carbondale Road and US 41/SR 3 where it transitions to the existing two lane rural section. This project includes the construction of multilane roundabouts at both the Southbound and Northbound ramp intersections. The US 41/SR 3 signalized intersection will be converted to a multilane roundabout. Sidewalks will be constructed in select locations on Carbondale Road within the limits of the project.

**Concept Approval Date:** 6/22/2012 (Revised Concept).

**Concept Update:** Changes made to the project concept since the Revised Concept Approval Date are as follows:

1. Project Terminus  
It is proposed that the beginning project terminus be shortened to approximately 500 ft. (M.P. 2.75) west of the existing I-75 South Bound Ramps on the existing CR 665 alignment.

2. Project Alignment

- It is proposed to eliminate the entire new location roadway. As a result, the Norfolk Southern Railroad grade separation bridge will also be eliminated.
- It is proposed to construct roundabouts at the ramp intersections and at US 41/SR 3.

3. Typical Section

- It is proposed to utilize a 4-12 ft. lane urban typical section with a 10 ft. raised median for CR 665 from the I-75 South Bound ramps to the I-75 North Bound ramps.
- It is proposed to utilize a 4-lane urban typical section with a 16 ft. raised median for CR 665 from the I-75 North Bound ramps to the CR 665/US 41-SR 3 intersection.
- It is proposed to eliminate sidewalks on one side of the project in selected areas.

**Environmental Document Type, Approval Date & any Reevaluations:** A Categorical Exclusion (CE) was approved for the project on June 29, 2012.

**Public Involvement:**

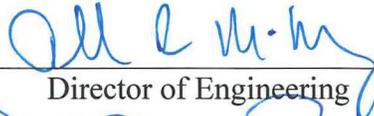
Public Information Open House Results:

- The Public Information Open House was held from 4:00 pm to 7:00 pm on March 29, 2011 at Valley Point Middle School located at 3796 South Dixie Highway, Dalton, GA 30721 for Project IMSTP-0075-03(208) in Whitfield County.
- 11 comment forms, no letters and 1 verbal statement were received for a total of 12 comments. No additional comments were received during the 10 day comment period following the meeting.
- 4 – Opposed; 0 – In Support; 1 – Uncommitted; 5 – Conditional
- Summary of comments:
  - Concern that truck traffic is accounted for in road design
  - Concern about diminished property values
  - Concern about operational efficiency of roundabouts
  - Carbondale Business Park would like a median break at their entrance off Carbondale Road
  - Concern about pollution from truck traffic
- A total of 53 people, including 3 public officials attended the Public Information Open House.
- There were no major changes made as a result of the comments received at the Public Information Open House.

**Consistency with Approved Planning:**

The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

**Recommendations:** Recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

RECOMMEND:   
Director of Engineering

APPROVE:   
Chief Engineer

6/29/2012  
Date

DATE OF LOCATION AND DESIGN APPROVAL: June 29, 2012

Attachments:

- Sketch Map
- Cost Estimate
- Notice of Location and Design Approval

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** PI No. 610890 **OFFICE** Environmental Services

**DATE** June 29, 2012

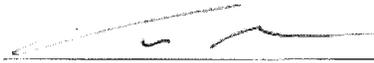
**FROM** Glenn Bowman, P.E., State Environmental Administrator

**TO** Lisa Myers, State Project Review Engineer

**SUBJECT** Environmental Certification for Advancement to ROW Authorization for Project IMSTP-0075-03(208), Whitfield County - I-75 Interchange at CR 665/Carbondale Road

CHECKLIST			YES	NO
A. The NEPA analyst has verified that the subject project has an approved and current environmental document or reevaluation? <i>(If no, the project cannot advance to ROW authorization.)</i>			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Document type: CE	Original Approval date: 06/29/2012	Current Approval Date: 6/29/2012		
B. The NEPA analyst has verified that no changes occurred since the last approval that would require a reevaluation prior to ROW authorization? <i>(If no, the project cannot advance to ROW authorization.)</i>			<input checked="" type="checkbox"/>	<input type="checkbox"/>
C. The NEPA analyst has verified that the design shown in the plans submitted for ROW authorization (dated: 6/15/2012) match what was approved in the last valid NEPA document/reevaluation dated: 6/29/2012. <i>(If no, the project cannot advance to ROW authorization.)</i>			<input checked="" type="checkbox"/>	<input type="checkbox"/>
D. The NEPA analyst (along with the project specialists) has verified that all pre-construction commitments that need to be completed prior to ROW authorization are complete (i.e. photo recordation for historic resources, landscape plans developed, cemetery permit or other?) <i>(If no, please see E. below.)</i>			<input checked="" type="checkbox"/>	<input type="checkbox"/>
E. If D. (above) cannot be marked as yes, is it still appropriate to advance to ROW Authorization. Please explain why it is still appropriate to advance to ROW authorization: N/A			N/A	YES
			<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Compliance with applicable environmental requirements has been completed for the subject project to advance to ROW authorization.**

**CERTIFIED BY:**   
Frank D. Scott

**REVIEWED BY:**   
Reviewing Manager

GB/FS

cc: Via email: Kim Nesbitt, GDOT Project Manager;  
Project File/GDOT General Files/OEL Work Product File

The following items (as applicable) are included in this certification:

1. Green Sheet

**ENVIRONMENTAL COMMITMENTS TABLE**

PI#: 610890 | County: Whitfield | Date Updated: 06.05.12 | Stage: CE  
 Date on Plans Reviewed by OES: 06.15.2012

**Review**

These commitments are feasible.  
(must be checked at all stages)

Plans incorporate the commitments.  
(must be checked to certify for letting)

Project Manager (PM) Kimberly Miller

Engineer of Record (EOR) FLETCHER MILLER

Air/Noise 4/26

Eco AMT

NEPA AMT

Arch PJG

Hist EP

PM Signature/Date 6/26/12

EOR Signature/Date Fletcher C. Miller 6/26/12

**A. Resources to be Delineated on the Plans and/or Listed in the Environmental Resource Impact Table (ERIT)**

Resource Name	Additional Information (refer to the SP, plan note, design feature, permit, variance, commitment, etc...)	Name and Date of Report or Transmittal	Correctly Shown?	
			Plan Sheet	ERIT
A-1 Stream 1	No Impact	Ecology Report 06.21.11	Yes	No
A-2 Stream 1 Buffer	0.03 acres of impact, Refer to BV D-4	"	Yes	No
A-3 Stream 2	11.00 LF of impact, Refer to D-2, D-3	"	Yes	No
A-4 Stream 2 Buffer	Exempt	"	Yes	No
A-5 Stream 7	1,350.00 LF of impact, Refer to D-2, D-3	"	Yes	No
A-6 Stream 7 Buffer	Refer to BV D-4	"	Yes	No
A-7 State Protected Species and Federally Threatened Species	Refer to B-1	"	Not req'd	No
A-8 Holland Farm House	Refer to Plan Note C-1	Historic Survey Report 07.24.06	Yes	No
A-9 Selma, Rome, and Delta Railroad	Refer to Plan Note C-1	Historic Survey Report 07.24.06	Yes	No
A-10 Resource 1	Refer to Plan Note B-2, C-2, E-2	Survey Report 02.10.11	Yes	No
A-11 Historic Marker "Battles of Tilton GHM 155-33"	The Historic Marker "Battles of Tilton GHM 155-33" is to be removed prior to construction and reset after construction. Refer to C-3		Yes	No

**B. Special Provisions (Attach all special provisions to the commitments table, if available)**

Special Provision	Purpose	Est. Cost	SP's Latest Date
B-1 SP 107.23.G	For the protection of migratory birds and protected species	Negligible	03.21.08
B-2 SP 107.23.F	For the protection of Resource 1	Negligible	Not Available

**C. Plan Notes and Design Features (Description: For plan notes, provide exact wording in "quotes" and approximate location)**

Purpose	Description	Est. Cost	Correctly Shown?
C-1 Protect Resources	This resource shall be labeled on all plan sheets, and no staging of vehicles or construction activity will occur within these historic boundaries, except the area within the eligible historic boundary of the Holland Farm that has been designated for required right-of-way and easement.	Negligible	Yes
C-2 Protect Resources	An ESA is designated on the project construction plans; this ESA encapsulates the limits of the Swamp Creek Baptist Church cemetery and is situated north and south of SR 665/Carbondale Road at the western end/beginning of the project between station 10+00.00 and 13+00.00	Negligible	Yes
C-3 Protect Resources	Contractor shall coordinate with DNR (Frankie Mewborn 770-389-7271) to remove, store, and replace Historic Marker "Battles of Tilton GHM 155-33" located at the intersection of US 41 and Tilton Rd.	Negligible	No

**ENVIRONMENTAL COMMITMENTS TABLE**

PI#: 610890 | County: Whitfield | Date Updated: 06.05.12 | Stage: CE  
 Date on Plans Reviewed by OES: Plans Not Available

**D. Permits, Buffer Variances and Mitigation Credits**

Permit, Variance, etc		Additional Information (permit details, number of credits needed, etc...)	Est. Cost	Acquired?
D-1	Notice of Intent (NOI) for NPDES	The Office of Bidding Administration and Construction Contractor will submit a NOI to the NPDES General Permit following award of the contract but prior to construction.	Negligible	Will be acquired following letting
D-2	IP	None	"	No
D-3	Stream Credits	6378 stream credits needed	\$382,000	No
D-4	Buffer Variance	For impacts to Streams 1 and 7	Negligible	No

**E. Other Commitments or Requirements (Status: Pre- and Post – Complete or Incomplete; During – Signature Req'd)**

Pre-, During, or Post		Commitment	Responsible party	Est. Cost	Status
E-1	Preconstruction	Any contaminated soil excavated during construction activities at UST Sites No. 1, 6, and 7 must be disposed of at a permitted lined municipal solid waste landfill	OMR	Negligible	Incomplete
E-2	During	Per Special Provision 107.23f, the project engineer shall ensure that the contractor install orange fabric safety fencing as depicted on the attached plan sheets within the existing right-of-way of SR 665/Carbondale Road between Station 10+16.76 and 13+00.00 on the south side and between Stations 10+21.05 and 11+05.59 on the north side to ensure that the ESA is not impacted during project construction.	GDOT Office of Construction	Negligible	Incomplete <hr/> (Signature)
E-3	During	Special Provision 107.23G-Protection of Species Protected Under Federal Law will be adhered to during construction	GDOT Office of Construction	Negligible	Incomplete <hr/> (Signature)
E-4	During	Contractor shall coordinate with DNR (Frankie Mewborn 770-389-7271) to remove, store, and replace Historic Marker "Battles of Tilton GHM 155-33" located at the intersection of US 41 and Tilton Rd.	GDOT Office of Construction	Negligible	Incomplete <hr/> (Signature)
E-5	Post	The spraying of chemicals within 200 feet of the streams is prohibited. These areas shall be designated as a permanent ESA.	Area Maintenance Office	Negligible	Incomplete <hr/> (Signature)

<b>Total Estimated Cost</b>	<b>\$382,000</b>
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**ENVIRONMENTAL COMMITMENTS TABLE**

Pl#: 610890 | County: Whitfield | Date Updated: 06.05.12 | Stage: CE  
Date on Plans Reviewed by OES: Plans Not Available

*If Project is Complete or Under Construction, Area or Construction Engineer affirms that all Special Provisions, Plan Notes and During Construction Commitments were or are being adhered to during the project's construction.*

*Please Print Name and Title: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_ Please provide an explanation if unable to sign.*

## Scott, Frank

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**From:** Bowman, Glenn  
**Sent:** Friday, June 29, 2012 1:08 PM  
**To:** Myers, Lisa  
**Cc:** Scott, Frank; Hester, Michael; Cox, Jonathan; D'Avino, Gail  
**Subject:** FW: 610890 Whitfield County Reevaluation

**Importance:** High

Lisa, this is the last one this FY that we are going to clear!!

Way to go everyone! Please pass on my sincere thanks to everyone who had a hand in this.

Glenn Bowman, P.E.  
State Environmental Administrator  
Georgia Department of Transportation  
One Georgia Center, 16<sup>th</sup> Floor  
Atlanta, Georgia 30308  
Ph: 404-631-1101 Fax: 404-631-1916

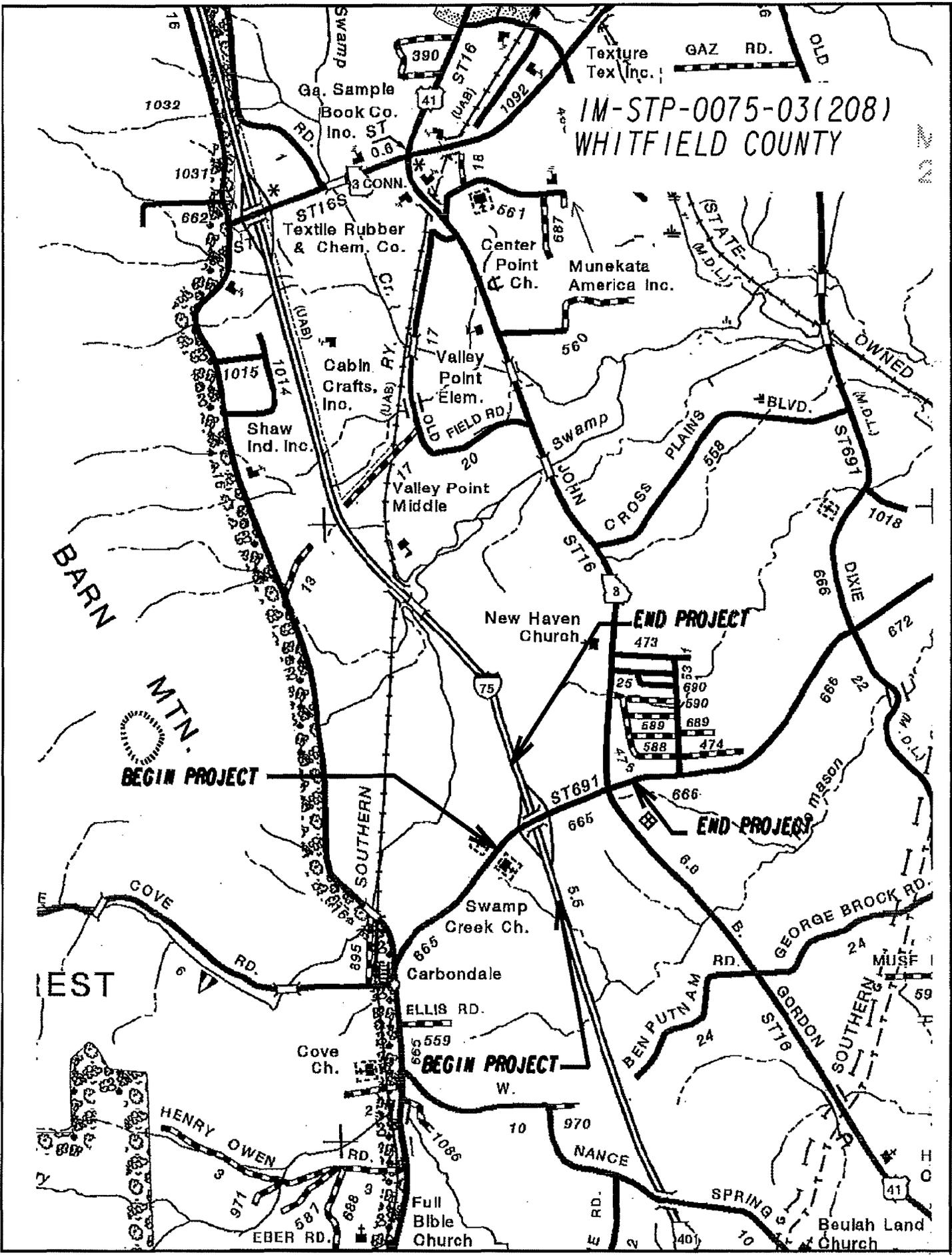
**From:** Katy.Allen@dot.gov [mailto:Katy.Allen@dot.gov]  
**Sent:** Friday, June 29, 2012 12:05 PM  
**To:** Bowman, Glenn  
**Cc:** Chetna.Dixon@dot.gov  
**Subject:** 610890 Whitfield County Reevaluation

Please consider this email documentation of FHWA's approval of this reevaluation. As I am out of the office, a hard copy of the approved document will be sent to your attention next week.

*Katy Allen, P.E.*  
Environmental Team Leader  
Federal Highway Administration, Georgia Division  
61 Forsyth St, SW - Suite 171100  
Atlanta, GA 30303

Phone: 404-562-3657 Fax: 404-562-3703

IM-STP-0075-03(208)  
WHITFIELD COUNTY



# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

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INTERDEPARTMENT CORRESPONDENCE

FILE PROJECT No.  ,  OFFICE   
 DATE

P.I. No.

FROM  *Rogers for*

TO Lisa L. Myers, Acting Project Review Engineer

**SUBJECT REVISIONS TO PROGRAMMED COSTS**

PROJECT MANAGER

MNGT LET DATE

MNGT R/W DATE

**PROGRAMMED COST (TPro W/OUT INFLATION)**

**LAST ESTIMATE UPDATE**

CONSTRUCTION \$   
RIGHT OF WAY \$   
UTILITIES \$

DATE   
DATE   
DATE

**REVISED COST ESTIMATES**

CONSTRUCTION\* \$   
RIGHT OF WAY \$   
UTILITIES \$

\* Costs contain  % Engineering and Inspection

**REASON FOR COST INCREASE**

**CONTINGENCY SUMMARY**

Construction Cost Estimate:	\$ 11,155,040.00	(Base Estimate)
Engineering and Inspection:	\$ 557,752.00	(Base Estimate x 5 %)
Total Liquid AC Adjustment	\$ 403,909.00	(From attached worksheet)
<b>Construction Total:</b>	<b>\$ 12,116,701</b>	

**REIMBURSABLE UTILITY COST**

Utility Owner	Reimbursable Cost
North Georgia EMC	\$155,250.00
Dalton Utilities (W&S)	\$347,300.00

Attachments

**PROJ. NO.:** IMSTP-0075-03(208)

**P.I. NO.** 610890-

**DATE:** 3/1/2012

<b>Base Construction Cost</b>	\$	11,155,040
E & I	5% \$	557,752
Construction Contingency	\$	-
<b>Subtotal Construction Cost</b>	\$	<u>11,712,792</u>
Liquid AC Adjustment (50 % cap)	\$	<u>403,909</u>
<b>Total Construction Cost</b>	\$	<u>12,116,701</u>

# DETAILED COST ESTIMATE



**Job: 610890\_SB**

JOB NUMBER: 610890\_SB

FED/STATE PROJECT NUMBER IMSTP-0075-03(208)

SPEC YEAR: 01

DESCRIPTION: I-75 @ CR 665 CARBONDALE RD INTERCHANGE RECONSTRUCTION

ITEMS FOR JOB 610890\_SB

**0010 - ROADWAY**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	310-1101	47156.000	TN	\$17.00	GR AGGR BASE CRS, INCL MATL	\$801,776.49
0010	318-3000	500.000	TN	\$19.14	AGGR SURF CRS	\$9,571.02
0015	402-1812	2138.000	TN	\$64.43	RECYL AC LEVELING,INC BM&HL	\$137,760.60
0020	402-3113	1913.000	TN	\$74.31	RECYL AC 12.5MM SP,GP1/2,BM&HL	\$142,155.03
0025	402-3121	10231.000	TN	\$55.97	RECYL AC 25MM SP,GP1/2,BM&HL	\$572,673.37
0030	402-3190	7205.000	TN	\$57.51	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$414,376.27
0035	413-1000	9357.000	GL	\$1.47	BITUM TACK COAT	\$13,775.66
0040	433-1000	511.000	SY	\$138.33	REINF CONC APPROACH SLAB	\$70,688.33
0045	436-1000	1425.000	LF	\$9.81	ASPH CONC CURB - A	\$13,973.95
0050	439-0048	1197.000	SY	\$82.00	PLN PC CONC PVMT CL HES 8" THK	\$98,154.00
0055	439-0056	40837.000	SY	\$82.00	PLN PC CONC PVMT CL HES 12"THK	\$3,348,634.00
0060	441-0104	1722.000	SY	\$27.11	CONC SIDEWALK, 4 IN	\$46,687.95
0070	441-0754	3490.000	SY	\$39.80	CONC MEDIAN, 7 1/2 IN	\$138,910.13
0075	441-4020	184.000	SY	\$31.79	CONC VALLEY GUTTER, 6 IN	\$5,849.86
0080	441-4030	2508.000	SY	\$34.08	CONC VALLEY GUTTER, 8 IN	\$85,463.96
0085	441-5002	1328.000	LF	\$8.52	CONC HEADER CURB, 6", TP 2	\$11,316.59
0089	441-5011	1187.000	LF	\$11.63	CONC HDR CURB, 6 IN, TP 9A	\$13,807.30
0090	441-6222	7435.000	LF	\$11.99	CONC CURB & GUTTER/ 8"X30"TP2	\$89,156.95
0095	441-6740	6454.000	LF	\$11.40	CONC CURB & GUTTER/ 8"X30" TP7	\$73,577.02
0105	603-7000	295.000	SY	\$3.68	PLASTIC FILTER FABRIC	\$1,085.41
0110	620-0100	16516.000	LF	\$24.70	TEMP BARRIER, METHOD NO. 1	\$407,896.81
0115	620-0200	296.000	LF	\$41.59	TEMP BARRIER, METHOD NO. 2	\$12,311.75
0120	632-0003	4.000	EA	\$10,139.72	CHANGEABLE MESS SIGN,PORT,TP 3	\$40,558.87
0125	634-1200	61.000	EA	\$95.12	RIGHT OF WAY MARKERS	\$5,802.36
0130	641-1100	84.000	LF	\$55.68	GUARDRAIL, TP T	\$4,677.12
0135	641-1200	697.000	LF	\$16.31	GUARDRAIL, TP W	\$11,369.07
0140	641-5001	7.000	EA	\$600.00	GUARDRAIL ANCHORAGE, TP 1	\$4,200.00
0145	641-5012	2.000	EA	\$1,712.60	GUARDRAIL ANCHORAGE, TP 12	\$3,425.19
0150	643-0010	8909.000	LF	\$3.51	FIELD FENCE WOVEN WIRE	\$31,274.96
0160	700-9300	3629.000	SY	\$3.29	SOD	\$11,939.88
<b>SUBTOTAL FOR ROADWAY:</b>						<b>\$6,622,849.90</b>

**0020 - BRIDGE**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0228	540-1102	1.000	LS	\$200,000.00	REM OF EX BR, BR NO - 1	\$200,000.00
0165	543-9000	1.000	LS	\$1,454,760.00	CONSTR OF BRIDGE COMPLETE - CARBONDALE RD OVER I-75	\$1,454,760.00
0229	627-1010	3056.000	SF	\$50.00	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 1	\$152,800.00
0230	627-1010	2961.000	SF	\$50.00	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 2	\$148,050.00
<b>SUBTOTAL FOR BRIDGE:</b>						<b>\$1,955,610.00</b>

# DETAILED COST ESTIMATE



**Job: 610890 SB**

**0030 - DRAINAGE**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0233	441-0050	47.000	SY	\$42.95	CONC SLOPE DRAIN	\$2,018.65
0237	441-0301	2.000	EA	\$2,231.14	CONC SPILLWAY, TP 1	\$4,462.27
0238	441-0303	1.000	EA	\$1,882.62	CONC SPILLWAY, TP 3	\$1,882.62
0239	500-3200	1.000	CY	\$180.41	CL B CONC	\$180.41
0240	500-3800	17.000	CY	\$544.44	CL A CONC, INCL REINF STEEL	\$9,255.48
0245	550-1180	3195.000	LF	\$28.53	STM DR PIPE 18",H 1-10	\$91,140.44
0249	550-1180	94.000	LF	\$28.53	STM DR PIPE 18",H 1-10 TEMPORARY DRAINAGE PIPE	\$2,681.44
0250	550-1240	1873.000	LF	\$35.19	STM DR PIPE 24",H 1-10	\$65,902.76
0254	550-1240	273.000	LF	\$37.44	STM DR PIPE 24",H 1-10 TEMPORARY DRAINAGE PIPE	\$10,220.19
0255	550-1300	1061.000	LF	\$42.70	STM DR PIPE 30",H 1-10	\$45,299.80
0260	550-1360	278.000	LF	\$56.80	STM DR PIPE 36",H 1-10	\$15,791.38
0235	550-3324	1.000	EA	\$505.94	SAFETY END SECTION 24",STD,4:1	\$505.94
0234	550-3518	1.000	EA	\$550.53	SAFETY END SECTION 18",STD,6:1	\$550.53
0265	550-4218	2.000	EA	\$465.78	FLARED END SECT 18 IN, ST DR	\$931.57
0270	550-4224	2.000	EA	\$534.85	FLARED END SECT 24 IN, ST DR	\$1,069.70
0275	550-4230	4.000	EA	\$572.01	FLARED END SECT 30 IN, ST DR	\$2,288.04
0282	603-2036	137.000	SY	\$57.41	STN DUMPED RIP RAP, TP 1, 36"	\$7,865.63
0283	603-2180	42.000	SY	\$48.98	STN DUMPED RIP RAP, TP 3, 12"	\$2,057.34
0284	603-2182	117.000	SY	\$37.82	STN DUMPED RIP RAP, TP 3, 24"	\$4,424.70
0285	668-1100	34.000	EA	\$1,942.00	CATCH BASIN, GP 1	\$66,028.00
0290	668-1110	20.000	LF	\$159.37	CATCH BASIN, GP 1, ADDL DEPTH	\$3,187.39
0295	668-2100	10.000	EA	\$1,775.38	DROP INLET, GP 1	\$17,753.80
0304	668-2100	1.000	EA	\$1,680.65	DROP INLET, GP 1 TEMPORARY STRUCTURE	\$1,680.65
0300	668-2110	17.000	LF	\$152.49	DROP INLET, GP 1, ADDL DEPTH	\$2,592.28
0305	668-5000	4.000	EA	\$1,675.33	JUNCTION BOX	\$6,701.33
0307	668-5000	1.000	EA	\$1,675.33	JUNCTION BOX TEMPORARY STRUCTURE	\$1,675.33
0308	668-8012	138.000	SF	\$60.96	SAFETY GRATE, TP 2	\$8,412.99
0309	668-8013	98.000	SF	\$62.56	SAFETY GRATE, TP 3	\$6,130.55
<b>SUBTOTAL FOR DRAINAGE:</b>						<b>\$382,691.21</b>

**0040 - LIGHTING**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0310	500-3800	228.000	CY	\$634.99	CL A CONC, INCL REINF STEEL	\$144,778.59
0315	511-1000	24450.000	LB	\$0.60	BAR REINF STEEL	\$14,592.49
0320	681-4356	15.000	EA	\$2,265.00	LT STD, 35' MH, 15' ARM	\$33,975.00
0325	681-6246	15.000	EA	\$278.00	LUMINAIRE,TP 2, 250W,HP SODIUM	\$4,170.00
0330	681-6620	12.000	EA	\$540.00	LUMINAIRE,TP A, 150W,HP SODIUM	\$6,480.00
0335	682-1404	4500.000	LF	\$0.63	CABLE, TP XHHW, AWG NO 10	\$2,826.09
0340	682-1407	20400.000	LF	\$1.72	CABLE, TP XHHW, AWG NO 4	\$35,104.12
0345	682-1408	40800.000	LF	\$2.25	CABLE, TP XHHW, AWG NO 2	\$91,852.22
0350	682-6108	1350.000	LF	\$6.03	CONDUIT, RIGID, 3/4 IN	\$8,141.00
0355	682-6120	180.000	LF	\$12.51	CONDUIT, RIGID, 2 IN	\$2,251.14
0360	682-6222	18600.000	LF	\$6.00	CONDUIT, NONMETL, TP 2, 2 IN	\$111,600.00
0365	682-9010	6.000	EA	\$7,377.41	SVC POLE RISER	\$44,264.46
0370	682-9020	12.000	EA	\$891.57	ELEC JCT BOX	\$10,698.84
0375	682-9023	12.000	EA	\$403.67	ELEC JCT BX,GALVANIZED, SIZE -	\$4,844.00
0380	683-1101	12.000	EA	\$14,677.05	LIGHT TOW/STEL/100'MH/LW EQUIP	\$176,124.56
0385	683-1110	6.000	EA	\$19,544.00	LIGHT TOW/STEL/110'MH/LW EQUIP	\$117,264.00
0390	683-1125	3.000	EA	\$20,240.00	LIGHT TOW/STEL/130'MH/LW EQUIP	\$60,720.00
0395	683-6566	216.000	EA	\$601.28	HI-LEVEL LUMIN,TP 5,400W,HPSOD	\$129,877.20
0400	683-9025	3.000	EA	\$3,760.52	LOWERING DEVICE POWER SUPPLY UNIT	\$11,281.57
<b>SUBTOTAL FOR LIGHTING:</b>						<b>\$1,010,845.28</b>

# DETAILED COST ESTIMATE



**Job: 610890 SB**

**0050 - SIGNING AND MARKING**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0405	500-3101	2.000	CY	\$378.76	CLASS A CONCRETE	\$757.52
0760	636-1020	264.000	SF	\$13.19	HWY SGN,TP1MAT,REFL SH TP3	\$3,483.20
0765	636-1029	24.000	SF	\$15.33	HWY SGN,TP2 MATL,REFL SH TP 3	\$367.93
0770	636-1033	320.000	SF	\$18.55	HWY SIGNS, TP1MAT,REFL SH TP 9	\$5,936.58
0775	636-1041	80.000	SF	\$25.70	HWY SIGNS,TP 2MAT,REFL SH TP 9	\$2,055.61
0780	636-2070	1337.000	LF	\$7.00	GALV STEEL POSTS, TP 7	\$9,357.29
0785	636-2080	96.000	LF	\$9.18	GALV STEEL POSTS, TP 8	\$880.87
0790	636-2090	26.000	LF	\$8.17	GALV STEEL POSTS, TP 9	\$212.37
0795	636-3010	6.000	EA	\$535.53	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	\$3,213.20
0800	652-0210	4.000	EA	\$41.61	PAVEMENT MARKING, WORD, TP 1	\$166.43
0805	653-0110	20.000	EA	\$67.29	THERM PVMT MARK, ARROW, TP 1	\$1,345.75
0810	653-0120	18.000	EA	\$66.89	THERM PVMT MARK, ARROW, TP 2	\$1,204.04
0815	653-0130	7.000	EA	\$83.70	THERM PVMT MARK, ARROW, TP 3	\$585.91
0830	653-1501	21087.000	LF	\$0.32	THERMO SOLID TRAF ST 5 IN, WHI	\$6,685.42
0845	653-1502	16604.000	LF	\$0.31	THERMO SOLID TRAF ST, 5 IN YEL	\$5,123.99
0825	653-1704	161.000	LF	\$4.12	THERM SOLID TRAF STRIPE,24",WH	\$663.01
0820	653-1804	407.000	LF	\$1.89	THERM SOLID TRAF STRIPE, 8",WH	\$769.05
0850	653-1810	1601.000	LF	\$1.30	THER SLD TRAF STRIPE, 10 IN, W	\$2,085.25
0835	653-3501	5707.000	GLF	\$0.21	THERMO SKIP TRAF ST, 5 IN, WHI	\$1,212.68
0840	653-3804	815.000	GLF		THERM SKIP TRAF STRIPE, 8",WH	
0855	653-6004	336.000	SY	\$3.05	THERM TRAF STRIPING, WHITE	\$1,024.22
0575	654-1001	228.000	EA	\$3.42	RAISED PVMT MARKERS TP 1	\$780.22
0580	654-1003	630.000	EA	\$3.40	RAISED PVMT MARKERS TP 3	\$2,142.00
0870	657-1054	450.000	LF	\$4.22	PRF PL SD PVMT MKG,5",WH,TP PB	\$1,896.88
0860	657-3054	488.000	GLF	\$2.00	PRF PL SK PVMT MKG,5",WH,TP PB	\$976.00
0865	657-6054	450.000	LF	\$4.37	PRF PL SD PVMT MKG,5",YW,TP PB	\$1,965.90
<b>SUBTOTAL FOR SIGNING AND MARKING:</b>						<b>\$54,891.32</b>

**0060 - PERMANENT EROSION CONTROL**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0635	163-0240	487.000	TN	\$171.98	MULCH	\$83,755.54
0640	167-1000	2.000	EA	\$244.27	WATER QUALITY MONITORING AND SAMPLING	\$488.55
0645	167-1500	24.000	MO	\$216.67	WATER QUALITY INSPECTIONS	\$5,200.00
0650	700-6910	26.000	AC	\$596.14	PERMANENT GRASSING	\$15,499.58
0655	700-7000	78.000	TN	\$48.18	AGRICULTURAL LIME	\$3,758.19
0665	700-8000	49.000	TN	\$376.39	FERTILIZER MIXED GRADE	\$18,443.23
0670	700-8100	1300.000	LB	\$2.07	FERTILIZER NITROGEN CONTENT	\$2,690.87
0675	710-9000	1578.000	SY	\$3.15	PERM SOIL REINFORCING MAT	\$4,972.50
0680	716-2000	70737.000	SY	\$0.89	EROSION CONTROL MATS, SLOPES	\$62,604.37
<b>SUBTOTAL FOR PERMANENT EROSION CONTROL:</b>						<b>\$197,412.83</b>

**0070 - TEMPORARY EROSION CONTROL**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0685	163-0232	13.000	AC	\$175.00	TEMPORARY GRASSING	\$2,275.00
0690	163-0300	12.000	EA	\$1,055.29	CONSTRUCTION EXIT	\$12,663.51
0695	163-0503	6.000	EA	\$347.33	CONSTR AND REMOVE SILT CONTROL GATE,TP 3	\$2,083.96
0700	163-0520	129.000	LF	\$15.20	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$1,961.44
0704	163-0528	3432.000	LF	\$2.84	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$9,754.84
0705	163-0550	44.000	EA	\$76.25	CONS & REM INLET SEDIMENT TRAP	\$3,355.00
0710	165-0030	11897.000	LF	\$0.49	MAINT OF TEMP SILT FENCE, TP C	\$5,864.86
0715	165-0041	3432.000	LF	\$0.82	MAINT OF CHECK DAMS - ALL TYPES	\$2,806.04
0720	165-0087	6.000	EA	\$123.74	MAINT OF SILT CONTROL GATE, TP 3	\$742.46
0725	165-0101	24.000	EA	\$336.61	MAINT OF CONST EXIT	\$8,078.55
0730	171-0030	11897.000	LF	\$2.73	TEMPORARY SILT FENCE, TYPE C	\$32,485.71
<b>SUBTOTAL FOR TEMPORARY EROSION CONTROL:</b>						<b>\$82,071.37</b>

# DETAILED COST ESTIMATE



**Job: 610890\_SB**

**0080 - MISCELLANEOUS**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0735	150-1000	1.000	LS	\$223,000.00	TRAFFIC CONTROL - IMSTP-0075-03(189)	\$223,000.00
0740	153-1300	1.000	EA	\$52,765.84	FIELD ENGINEERS OFFICE TP 3	\$52,765.84
0745	201-1500	1.000	LS	\$182,000.00	CLEARING & GRUBBING - IMSTP-0075-03(189)	\$182,000.00
0750	205-0001	58800.000	CY	\$5.02	UNCLASS EXCAV	\$295,371.80
0755	206-0002	30983.000	CY	\$3.08	BORROW EXCAV, INCL MATL	\$95,530.81
<b>SUBTOTAL FOR MISCELLANEOUS:</b>						<b>\$848,668.45</b>

**TOTALS FOR JOB 610890\_SB**

<b>ITEMS COST:</b>	<b>\$11,155,040.36</b>
<b>COST GROUP COST:</b>	<b>\$0.00</b>
<b>ESTIMATED COST:</b>	<b>\$11,155,040.36</b>
<b>CONTINGENCY PERCENT:</b>	<b>0.00</b>
<b>ENGINEERING AND INSPECTION:</b>	<b>0.00</b>
<b>ESTIMATED COST WITH CONTINGENCY AND E&amp;I:</b>	<b>\$11,155,040.36</b>

PROJ. NO.

IMSTP-0075-03(208)

CALL NO.

P.I. NO.

610890-

DATE

3/1/2012

INDEX (TYPE)

DATE INDEX

REG. UNLEADED

Feb-12

DIESEL

LIQUID AC

\$ 604.00

Link to Fuel and AC Index:

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

**LIQUID AC ADJUSTMENTS**

PA=[((APM-APL)/APL)]xTMTxAPL

**Asphalt**

Price Adjustment (PA)

389344.44

\$

389,344.44

Monthly Asphalt Cement Price month placed (APM)

Max. Cap

60%

\$

966.40

Monthly Asphalt Cement Price month project let (APL)

\$

604.00

Total Monthly Tonnage of asphalt cement (TMT)

1074.35

ASPHALT	Tons	%AC	AC ton
Leveling	2138	5.0%	106.9
12.5 mm SMA		5.0%	0
12.5 mm PEM		5.0%	0
12.5 mm SP	1913	5.0%	95.65
25 mm SP	10231	5.0%	511.55
19 mm SP	7205	5.0%	360.25
	<b>21487</b>		<b>1074.35</b>

**BITUMINOUS TACK COAT**

Price Adjustment (PA)

\$ 14,564.59

\$

14,564.59

Monthly Asphalt Cement Price month placed (APM)

Max. Cap

60%

\$

966.40

Monthly Asphalt Cement Price month project let (APL)

\$

604.00

Total Monthly Tonnage of asphalt cement (TMT)

40.18925933

Bitum Tack

Gals	gals/ton	tons
9357	232.8234	40.1892593

PROJ. NO.

IMSTP-0075-03(208)

CALL NO.

P.I. NO.

610890-

DATE

3/1/2012

**BITUMINOUS TACK COAT (surface treatment)**

Price Adjustment (PA)						0	\$	-
Monthly Asphalt Cement Price month placed (APM)		Max. Cap	60%	\$	966.40			
Monthly Asphalt Cement Price month project let (APL)				\$	604.00			
Total Monthly Tonnage of asphalt cement (TMT)					0			

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf.Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0

<b>TOTAL LIQUID AC ADJUSTMENT</b>							\$	<b>403,909.03</b>
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# Department of Transportation State of Georgia

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Interdepartmental Correspondence

<b>FILE</b>	R/W Cost Estimate	<b>OFFICE</b>	Atlanta
		<b>DATE</b>	February 8, 2012
<b>FROM</b>	Phil Copeland, Right of Way Administrator LaShone Alexander, Right of Way Cost Estimator		
<b>TO</b>	Terry Rogers, Associate Project Manager		
<b>SUBJECT</b>	<b>Preliminary Right of Way Cost Estimate</b> <b>Project: IMSTP-0075-03(208) Whitfield County</b> <b>P.I. No.: 610890</b> <b>Description: Interchange Construction</b>		

As per your request, attached is a copy of the approved Preliminary Right of Way Cost Estimates on the above referenced projects.

If you have any questions, please contact LaShone Alexander at One Georgia Center 600 West Parkway Street, NW Atlanta, GA 30308, Right of Way Office at (478) 553-1569 or (478) 232-4045.

PC:LA  
Attachments  
c: File

GEORGIA DEPARTMENT OF TRANSPORTATION  
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 2/8/2012 Project: IMSTP-0075-03(208)  
 Revised: County: Whitfield County  
 PI: 610890

Description: Interchange Construction  
 Project Termini: Interchange Construction

Existing ROW: Varies  
 Required ROW: Varies  
 Parcels: 27

Land and Improvements \$4,491,562.50

Proximity Damage	\$250,000.00
Consequential Damage	\$0.00
Cost to Cures	\$325,000.00
Trade Fixtures	\$0.00
Improvements	\$1,750,000.00

Valuation Services \$46,250.00

Legal Services \$205,725.00

Relocation \$194,000.00

Demolition \$130,000.00

Administrative \$246,500.00

TOTAL ESTIMATED COSTS \$5,314,037.50

**TOTAL ESTIMATED COSTS (ROUNDED) \$5,315,000.00**

Preparation Credits	Hours	Signature

Prepared By: Lashara Alexander CG#: 286999 02/08/2012  
 Approved By: Lashara Alexander CG#: 286999 02/08/2012

**NOTE: No Market Appreciation is included in this Preliminary Cost Estimate**

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

FILE IMSTP-0075-03(208) Whitfield Co. OFFICE Cartersville  
I-75/SR 401 Interchange Reconstruction  
at Carbondale Rd. DATE February 7, 2012  
P. I. No. 610890-

FROM  Kerry D. Bonner  
District Utilities Engineer

TO Bobby Hilliard, P.E., Office of Program Delivery  
ATTN Terry Rogers, Project Manager

SUBJECT UPDATED UTILITY COST ESTIMATE

As requested by your office, we are furnishing you with an Updated Utility Cost estimates for each utility with facilities potentially located within the project limits.

FACILITY OWNER	NON- REIMBURSABLE	REIMBURSABLE
Windstream Comm.	\$ 23,000.00	
Dalton Utilities Gas	\$ 98,900.00	
North Georgia EMC	\$ 39,100.00	\$ 155,250.00
Dalton Utilities (W&S)	\$ 492,200.00	\$ 347,300.00
Charter Communications	\$ 23,420.00	
Totals	\$ 676,620.00	\$ 502,550.00

Total Preliminary Utility Cost Estimate \$ 1,179,170.00

If you have any questions, please contact Jennifer Deems at 770-387-3616.

KDB/jd

C: Jeff Baker, P. E., State Utilities Engineer (via e:mail)  
File/Estimating Book

# NOTICE OF LOCATION AND DESIGN APPROVAL

## IMSTP-0075-03(208) WHITFIELD COUNTY P. I. 610890-

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location approval is: **June 29, 2012.**

This project is the reconstruction of the I-75/CR 665(Carbondale Road) Interchange in Whitfield County. The project incorporates the widening and reconstruction of Carbondale Road beginning approximately 500 feet west of the existing I-75 Southbound ramps from the existing two lane rural section and extends east crossing over I-75 to approximately 500 feet east of the intersection of Carbondale Road and US 41/SR 3. This project includes the construction of multilane roundabouts at both the Southbound and Northbound ramp intersections. The US 41/SR 3 signalized intersection will be converted to a multilane roundabout. Sidewalks will be constructed in select locations on Carbondale Road within the limits of the project.

This project is located in unincorporated Whitfield County. It is in the 13<sup>th</sup> Land District, Land Lots Nos. 137, 152, 153 & 173 and Georgia Militia District 1293. The proposed project length is approximately 0.58 mile.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

**Devon Brooks**  
**[dbrooks@dot.ga.gov](mailto:dbrooks@dot.ga.gov)**  
**1313 North Tibbs Road**  
**Dalton, GA 30720**  
**(706) 272-2211 / (706) 272-2357 (fax)**

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

**Genetha Rice-Singleton**  
**Office of Program Delivery**  
**[grice-singleton@dot.ga.gov](mailto:grice-singleton@dot.ga.gov)**  
**600 West Peachtree St.**  
**25<sup>th</sup> Floor**  
**Atlanta, GA 30308**

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.