

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. #132980-
BRSTO-0052-01(012)
GDOT District 1 - Gainesville
Walton County
SR 11 @ CSX Railroad in South Social Circle

OFFICE Design Policy & Support

DATE February 7, 2012

FROM  for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED DETOUR REPORT

Attached is the approved Detour Report with Notice of Detour Approval for the above subject project.

Attachment

DISTRIBUTION:

Genetha Rice-Singleton, Program Control Administrator
Bobby Hilliard, State Program Delivery Engineer
Glenn Bowman, State Environmental Administrator
Ben Rabun, State Bridge Engineer
Kathy Zahul, State Traffic Engineer
Phil Copeland, State Right-of-Way Administrator
Lisa Myers, State Project Review Engineer *Acting*
Jeff Baker, State Utilities Engineer
Michael Henry, Systems & Classification Branch Chief
Tony Voyles, Area Engineer - D1, A6
Kim Coley, District Planning & Programming Engineer
Neil Kantner, District Preconstruction Engineer
Kenny Whitworth, District Engineer *Acting*
Derrick Brown, Project Manager
BOARD MEMBER - 7th Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE BRST0-0052-01(012), Walton County
P.I. No. 132980
SR 11 over CSX Railroad in Social Circle

OFFICE Program Delivery

DATE December 20, 2011

FROM ^{S.H.} _{SoC} Bobby K. Hilliard, P.E., State Program Delivery Engineer

TO Brent Story, P.E., Design Policy and Support Administrator

SUBJECT **Detour Approval**

Description and Project Proposal: The proposed project consists of the replacement of a structurally deficient bridge on State Route 11 over CSX Railroad in Social Circle, Walton County. The existing bridge measures 151 feet in length with a deck width of 35.3 feet. The existing right-of-way is 60 feet. The proposed, replacement bridge will measure 160 feet in length with 44 feet of clear width. The proposed typical section will consist of two 12 foot lanes (one in each direction) with 30 inch curb and gutter, and 6 foot sidewalk on both sides. The right-of-way will be maintained at 60 feet. The total length of the proposed project is 900 feet.

The overall project objective is to provide better mobility through this section of SR 11 and create a safer driving environment for through and local traffic by replacing the structurally deficient bridge. The current bridge also does not meet the minimum railroad clearance height which will be corrected as a result of this project. The bridge was built in 1954 and consists of concrete bents, steel beam structure, and a concrete deck.

Concept Approval Date: February 5, 2004

Reason a detour is required: An offsite detour is required to lessen the impact to the historic district, right of way and railroad operations. Also, an offsite detour will reduce construction time to lessen the impact to the traveling public.

Alternatives considered included;

Alternative 1 - The closure of one lane of SR 11 and construction of the new bridge on location under staged construction. This alternative minimized impacts to adjacent properties while spanning the existing railroad, but was not chosen because of the safety concerns associated with the temporary lane widths and shifts necessary to construct the new bridge in the same location as the existing one. This alternative would, also have a longer construction time due to the staging of the project.

Alternative 2 - Construction of a temporary bridge on the west side of SR 11 with the replacement of the bridge on existing location was also considered. This alternative impacts adjacent properties in a historic district and increased project costs.

Alternative 3 - No build was also considered however it does not satisfy the need and purpose of the project.

See attachments for cost estimates of Alternatives 1 and 2. A cost estimate is not provided for the preferred, off-site detour because there is no specific cost related to using the Social Circle Bypass as a detour. There will be no upgrades required to utilize this route as a detour.

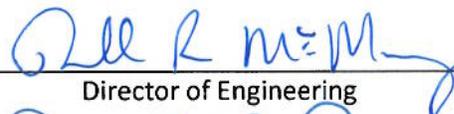
Environmental Assessment of the proposed detour route: The Social Circle Bypass (PI 0007217) will be utilized as the off-site detour for this project. The Social Circle Bypass project has been evaluated and cleared through an Environmental Assessment and Finding of No Significant Impact which was approved on November 30, 2009. A reevaluation for right of way authorization was approved on January 1, 2011. A reevaluation for construction will be obtained prior to when the project is let in August 2012. A special provision will be written to ensure and make known that the bypass will be required as the detour for this project.

Public Information Meeting for Proposed Detour (Detour Meeting) Results:

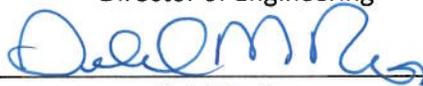
- Detour Meeting
 - Meeting held September 29, 2011 at Social Circle Middle School, 154 Alcova Drive, Social Circle, GA 30025
 - There were no comments received that were opposing and 2 supporting the project
 - No written comments were received at the meeting, 1 comment was received by the court reporter concerning the conditions for drivers at SR 11 and Hickory Drive and 3 written comments were received after the meeting supporting the project and the detour
 - Four total comments were received
 - There were 26 in attendance with 2 being public officials; David Keener, City Council Member; and Kenneth Adams, Chairman of the Planning and Zoning Commission
 - No major changes were made as a result of comments received at the detour meeting

Recommendations: The project manager, Derrick Brown, recommends that this detour be approved for use on this project for the duration needed to construct the proposed bridge. While the detour route is not a state route, the Social Circle bypass will be built to state route standards and can accommodate trucks as required. This was done in the anticipation of SR 11 being moved to the bypass. Since the bypass will be new construction when it is used, no additional construction will be needed to upgrade this route to handle the increased traffic for the duration of the project.

RECOMMEND:


Director of Engineering

APPROVE:


Chief Engineer

1/31/2012
Date of Approval

Attachments:

- Proposed Notice
- Location sketch of detour route studied
- Public Information Meeting for Proposed Detour comment cards
- Public Information Meeting for Proposed Detour transcript
- Preliminary Cost Estimate: Alternative 1 – Staged Bridge with Signals
- Preliminary Cost Estimate: Alternative 2 – Bridge with Temporary Bridge
- Preliminary Cost Estimate: Preferred Alternative - Detour Traffic Onto Bypass while Bridge is being Constructed.

NOTICE OF DETOUR APPROVAL

BRST0-0052-01(012) WALTON COUNTY
P.I. NUMBER 132980-

Notice is hereby given that the Georgia Department of Transportation has approved the use of and the routing of a detour for this project.

The date of detour approval is February 7, 2012.

The proposed project consists of the replacement of a structurally deficient bridge on State Route 11 over CSX Railroad in Social Circle, Walton County. The existing bridge measures 151 feet with a deck width of 35.3 feet. The existing right-of-way is 60 feet. The replacement bridge would measure 160 feet in length with 44 feet of clear width. The right-of-way would be maintained at 60 feet. The total length of the proposed project is 900 feet.

The overall project objective is to provide better mobility through this section of SR 11 and create a safer driving environment for through and local traffic by replacing the structurally deficient bridge. The current bridge also does not meet the railroad clearance height which will be corrected as a result of this project. The bridge was built in 1954 and consists of concrete bents, steel beam structure, and a concrete deck.

The proposed detour will begin at the southern edge of Social Circle on SR11 at the Newton and Walton County line and proceed east along the proposed Social Circle Bypass, which will be constructed prior to the beginning of construction of this project. The detour will continue on the Bypass, crossing East Hightower Road and the CSX railroad tracks and on to the previously constructed portion of the bypass. The end of the detour is where the Bypass reconnects with SR11 on the north side of Social Circle at Social Circle Fairplay Road. The length of the detour is approximately 5 miles and the estimated time traffic will be detoured is 6 months.

Drawing 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:

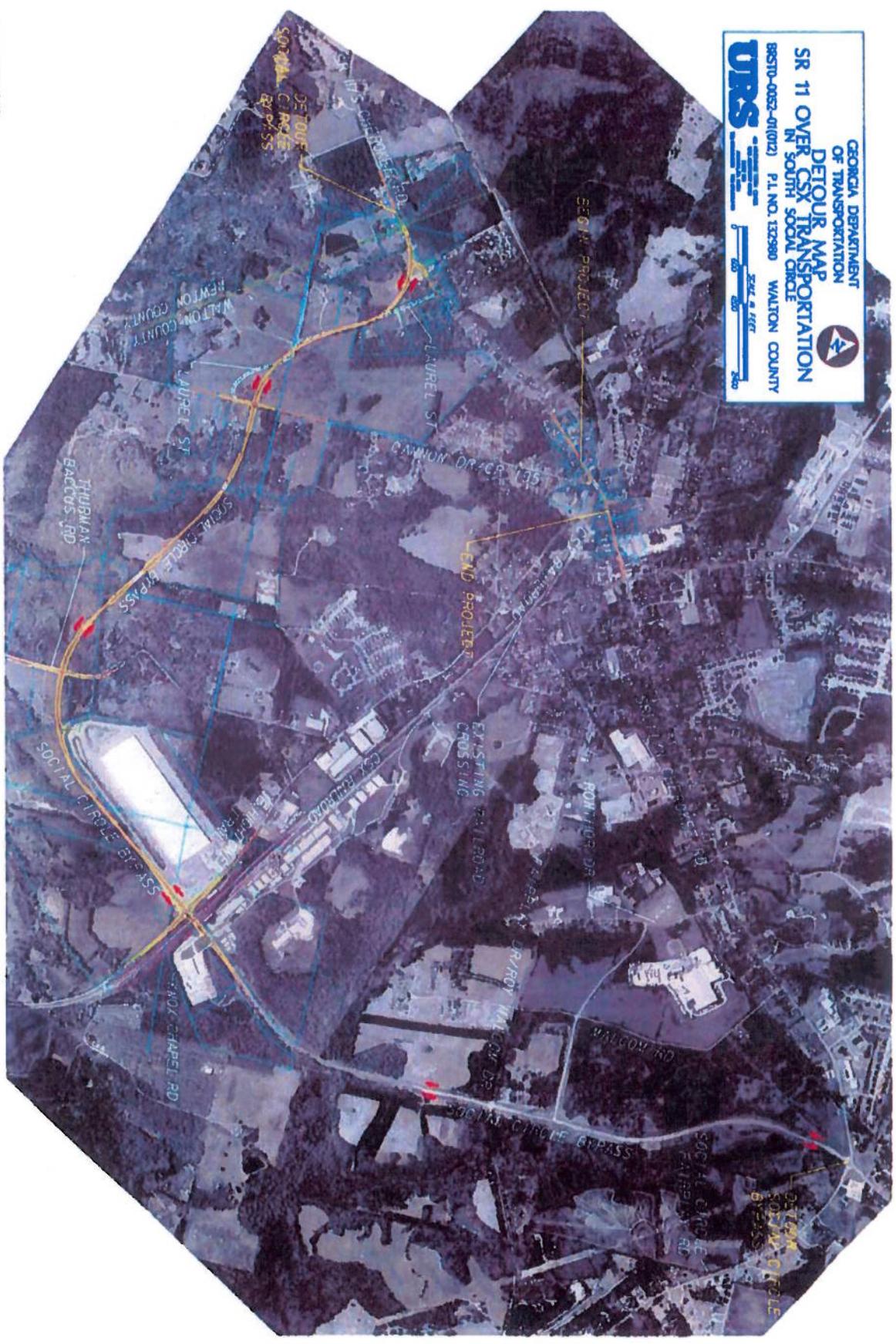
*Derrick Brown
dbrown@dot.ga.gov
Office of Program Delivery
One Georgia Center
600 West Peachtree Street, 25th Floor
Atlanta, GA 30308
(404) 631-1571*

GEORGIA DEPARTMENT
 OF TRANSPORTATION

DETOUR MAP
SR 11 OVER CSX TRANSPORTATION
IN SOUTH SOCIAL CIRCLE
 BRSTD-0052-01(012) P.L. NO. 132980 WALTON COUNTY



Scale: 1" = 100'

DATE: 11/11/11
 TIME: 11:00 AM

GEORGIA DOT OPEN HOUSE
PROJECT BRSTO-0052-01 (012), WALTON COUNTY
P.I. NO. 132980
SEPTEMBER 29, 2011
4:00 P.M TO 7:00 P.M.

The Georgia DOT Meeting, reported by Michelle Davis,
Certified Court Reporter, on the 29th day of
September 2011, commencing at the hour of 4:00 p.m.,
at 154 Alcova Drive, Social Circle, Georgia.

- - -

MICHELLE DAVIS, CERTIFIED COURT REPORTER
Happy Faces Court Reporting Services
P.O. Box 1063
Tucker, Georgia 30085
(770) 414-9071

CERTIFICATE

STATE OF GEORGIA)
COUNTY OF BUTTS)

I, Michelle Davis, do hereby certify the above and foregoing was taken down by me; and that the foregoing transcript is a true and accurate copy of the proceedings captioned herein to the best of my ability.

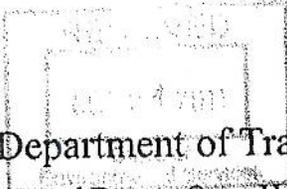
I further certify that I am neither kin nor counsel to the parties herein, nor have any interest in the cause named herein.

This, the ____ day of _____, 2011.

Michelle Davis, CCR
Certified Court Reporter
Certificate Number 2572

(Seal)

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Primary P.I. # 132480
Agency P.I. #
NEPA # 132480
Date: 09/29/11

Georgia Department of Transportation

Public Information and Detour Open House Comment Card

Project BRST0-0052-01(012), Walton County, P.I. No. 132980

September 29, 2011

Please print responses.

Name Ronald Steff
Address P.O. Box 31 - 600 Spring St.
Social Circle, Ga. 30025

Do you support the project? For Against Conditional Uncommitted

Comments _____

Do you support the proposed detour? For Against Conditional Uncommitted

Comments I feel the detour is long past due,
I THINK IT WILL BENEFIT SOCIAL CIRCLE
IN MANY WAYS.

How did you hear about this meeting? Radio Newspaper Signs Word of Mouth
 Other _____

Was the location of the meeting convenient for you to attend? Yes No

If no, please suggest a general location that is more convenient to your community.

Was the time of the meeting convenient for you to attend? Yes No

If no, please suggest a time frame that is more convenient for you. _____

Were your questions answered by GDOT personnel? Yes No

Do you understand the project after attending this meeting? Yes No

Mail To:
Mr. Glenn Bowman, P.E., State Environmental Administrator
Georgia Department of Transportation
600 West Peachtree Street, NW - 16th Floor
Atlanta, Georgia 30308

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Georgia Department of Transportation
Public Information and Detour Open House Comment Card
Project BRST0-0052-01(012), Walton County, P.I. No. 132980
September 29, 2011

Please print responses.

Name Deonette Stapp
Address P.O. Box 31
Social Circle Ga. 30025

Do you support the project? For Against Conditional Uncommitted

Comments _____

Do you support the proposed detour? For Against Conditional Uncommitted

Comments _____

How did you hear about this meeting? Radio Newspaper Signs Word of Mouth
 Other _____

Was the location of the meeting convenient for you to attend? Yes No

If no, please suggest a general location that is more convenient to your community.

Was the time of the meeting convenient for you to attend? Yes No

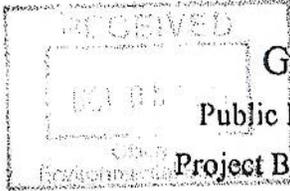
If no, please suggest a time frame that is more convenient for you. _____

Were your questions answered by GDOT personnel? Yes No

Do you understand the project after attending this meeting? Yes No

Mail To:
Mr. Glenn Bowman, P.E., State Environmental Administrator
Georgia Department of Transportation
600 West Peachtree Street, NW - 16th Floor
Atlanta, Georgia 30308

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Georgia Department of Transportation

Public Information and Detour Open House Comment Card

Project BRST0-0052-01(012), Walton County, P.I. No. 132980

September 29, 2011

Primary PI # 132980
Add'l PI #
NCEA Analyst
Project:
Date:
Ass't. Dir.
Arch.
ORIGINAL TO GEN. FILES

Please print responses.

Name MICHAEL D. WAGES
Address P.O. Box 343 379 S. Cherokee Road
Social Circle, GA. 30025
770-464-0264 - Home phone

Do you support the project? [X] For [] Against [X] Conditional [] Uncommitted

Comments I HAVE MY GARDEN IN THE CORNER OR POINT OF MY PROPERTY NEXT TO THE BRIDGE AND BANK OF HIGHWAY 11 AND WANT TO BE SURE IT'S NOT DISTURBED DUE TO IT BEING PART OF OUR INCOME AND LIVELIHOOD. I HOPE OUR DRIVEWAY WILL REMAIN OPEN AND MAINTAINED AS WAS.

Do you support the proposed detour? [X] For [] Against [] Conditional [] Uncommitted

Comments NONE

How did you hear about this meeting? [] Radio [] Newspaper [X] Signs [] Word of Mouth [] Other

Was the location of the meeting convenient for you to attend? [X] Yes [] No

If no, please suggest a general location that is more convenient to your community.

Was the time of the meeting convenient for you to attend? [X] Yes [] No

If no, please suggest a time frame that is more convenient for you.

Were your questions answered by GDOT personnel? [X] Yes [] No

Do you understand the project after attending this meeting? [X] Yes [] No

Mail To:
Mr. Glenn Bowman, P.E., State Environmental Administrator
Georgia Department of Transportation
600 West Peachtree Street, NW - 16th Floor
Atlanta, Georgia 30308

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P. I. No. 132980 OFFICE: Environmental Services
DATE: October 3, 2011

FROM Glenn Bowman, P.E., State Environmental Administrator
TO Distribution Below
SUBJECT PUBLIC INFORMATION OPEN HOUSE SYNOPSIS

PROJECT No. & COUNTY: BRST0-0052-01(012), Walton County
PROJECT DESCRIPTION: Replacement of the State Route 11 Bridge over
the CSX Transportation Railroad
DATE: September 29, 2011
NUMBER IN ATTENDANCE: 26
FOR: 2
CONDITIONAL: 1
UNCOMMITTED: 1
AGAINST: 0
OFFICIALS IN ATTENDANCE: 2; David Keener, City Council Member; and Kenneth Adams,
Chairman of the Planning and Zoning Commission
ADDITIONAL COMMENTS: No written comments were received at the meeting. The court
reporter received one comment.
PREPARED BY: Erin Lane, URS Corporation
TELEPHONE No.: (678) 808-8948
cc: Gerald M. Ross, P.E.
Ben Buchan, P.E.
Todd McDuffie

Neil Kantner, P.E.

Summary of Comments
BRST0-0052-01(012), PI No. 132980, Walton County
October 21, 2011
Page 2

MEDIA:

Rachael Ward – The Walton Tribune

DISPOSITION OF COMMENTS:

URS Corporation will respond to all comments on behalf of the Department of Transportation.

The GDOT offices below are asked to review the responses provided by the consultant for the comments in their section. The project manager will review all responses.

| REVIEWING OFFICE | COMMENT # | NATURE OF COMMENT | PROPOSED RESPONSE |
|------------------|-----------|--|--|
| Design | 1 | Citizens expressed concern over the design of the new bridge specifically safety and sight distance. | The new bridge will be built to current standards, which means that while it will still be one lane in each direction, it will be built wider. The new bridge will be built to meet the sight distance required for the design speed of 30 mph, which is also the currently posted speed limit at this location. |
| | | | |
| | | | |
| | | | |
| Right-of-Way | | | PROPOSED RESPONSE Land acquisition for transportation purposes is strictly governed by numerous state and federal laws and regulations. Since it is not appropriate to discuss individual impacts and compensation in this format, the GDOT Right-of-Way Office will send out letters under separate cover to those property owners who would be affected by land acquisition for the proposed project. For additional information, please contact _____ at _____. |
| | | | |
| | | | |
| | | | |

| REVIEWING OFFICE | COMMENT # | NATURE OF COMMENT | PROPOSED RESPONSE |
|--------------------|-----------|-------------------|-------------------|
| Traffic Operations | | | |
| | | | |
| | | | |
| | | | |

| REVIEWING OFFICE | COMMENT # | NATURE OF COMMENT | PROPOSED RESPONSE |
|------------------|-----------|---|---|
| Planning | N/A | Citizens attending the meeting asked GDOT representatives for clarification over the scheduling of construction, specifically if the Social Circle Bypass would be completed before the construction of the SR 11 Bridge. | The Social Circle Bypass is scheduled to start construction in 2012, while construction for this project is scheduled to start in 2016. This will allow the Bypass to be completed before the start of this project; therefore, it will be available for use as a detour route while the new bridge is being built. |
| | | | |
| | | | |
| | | | |

| REVIEWING OFFICE | COMMENT # | NATURE OF COMMENT | PROPOSED RESPONSE |
|------------------|-----------|---|---|
| Environment | 4 | Citizen desired that his driveway remain open during construction and that his garden, which is adjacent to SR 11, not be impacted. | The proposed design will not change the location of the citizen's driveway or affect his ability to use his vegetable garden. During construction there may be inconvenience but access will be maintained to the driveway at all times. As designed, the new bridge will not impact the garden because a retaining wall will be used to limit the construction in this area of the property. |
| | | | |
| | | | |

Summary of Comments
BRST0-0052-01(012), PI No. 132980, Walton County
October 21, 2011
Page 6

Attached is a complete transcript of the comments received during the comment period and a copy of the public information open house handout for review. **Your input on the proposed responses is required by** . Please direct your comments via email to Patrick Smith (patrick.n.smith@urs.com) and copy Sam Pugh (SPugh@dot.ga.gov), of this office.

If you have any questions about the comments, please either email or call Sam Pugh at (404) 631-1167.

GB/ /

Attachments

DISTRIBUTION:

Ben Buchan, w/attachments

Russell R. McMurry, w/attachments

, w/attachments

District Attn: Todd McDuffie, w/attachments

Angela T. Alexander, w/attachments

Kathy Zahul, P.E., w/attachments

Howard (Phil) Copeland (Attn: Troy Byers), w/attachments

PRELIMINARY COST ESTIMATE: Alternative 1 - Staged Bridge with Signals

PREPARED BY: URS

PROJECT LENGTH: 0.23 miles

ESTIMATED LETTING DATE: FY16

PROGRAMMING PROCESS CONCEPT DEVELOPMENT DURING PROJECT DEV.

| PROJECT COST – Staged Bridge | |
|---|---------------|
| A. RIGHT-OF-WAY: | |
| 1. PROPERTY (LAND & EASEMENT) | \$ 20,000.00 |
| 2. DISPLACEMENTS: RES: 0, BUS: 0, M.H.: 0 | \$ 0.00 |
| 3. OTHER COST (ADM./COST, INFLATION) | \$ 0.00 |
| SUBTOTAL:A | \$ 20,000.00 |
| B. REIMBURSABLE UTILITIES: | |
| 1. RAILROAD | \$ 0.00 |
| 2. TRANSMISSION LINES | \$ 0.00 |
| 3. SERVICES | \$ 0.00 |
| SUBTOTAL:B | \$ 0.00 |
| C. CONSTRUCTION: | |
| 1. MAJOR STRUCTURES Bridges (129.25 x 41.42' @ \$95/sf) | \$ 508,590.00 |
| a. TEMP BRIDGE | \$ 0.00 |
| b. RETAINING WALLS | \$ 0.00 |
| SUBTOTAL:C-1 | \$ 508,590.00 |
| 2. GRADING AND DRAINAGE: | |
| a. EARTHWORK 360 CY excav. @ \$16/CY; 3,545 CY embank @ \$4.75/CY | \$ 22,600.00 |
| b. DRAINAGE: | |
| 1) Curb and Gutter (2530' @ \$15.00/ft) | \$ 37,950.00 |
| 2) Longitudinal System | |
| Catch Basins (6 @ \$2200/basin) | \$ 13,200.00 |
| Drop Inlets (1 @ \$2100/inlet) | \$ 2,100.00 |
| Flared End Section (2 @ \$500/FES) | \$ 1000.00 |
| Safety End Section (0 @ \$560/SES) | \$ 0.00 |
| MH (0 @ \$2014/MH) | \$ 0.00 |
| 18 inch pipe (500 ft @ \$30.50/ft) | \$ 15,250.00 |
| SUBTOTAL:C-2 | \$ 92,100.00 |
| 3. BASE AND PAVING: | |

PROJECT COST –Staged Bridge

| | | | |
|--|----|----------------|---------------|
| a. AGGREGATE BASE (3177 tons @ \$20/ton) | | \$ | 63,540.00 |
| b. ASPHALT PAVING: | | | |
| Milling (650 yd ² @ \$4.00/ yd ²) | \$ | 2,600.00 | |
| Surface (457 tons @ \$62/ton) | \$ | 28,345.00 | |
| Binder (609 tons @ \$62/ton) | \$ | 37,760.00 | |
| Base (1218 tons @ \$54/ton) | \$ | 65,775.00 | |
| | | SUBTOTAL:C-3.b | \$ 134,480.00 |
| c. CONCRETE PAVING (100 SY @ \$31/SY) | | \$ | 3,100.00 |
| d. OTHER concrete approach slab (280 S.Y. @\$161/S.Y.) | | \$ | 45,080.00 |
| | | SUBTOTAL:C-3 | \$ 246,200.00 |
| 4. LUMP ITEMS: | | | |
| a. GRASSING (3 acre @ \$2500/acre) | | \$ | 7,500.00 |
| b. CLEARING AND GRUBBING | | \$ | 25,000.00 |
| c. LANDSCAPING | | \$ | 2,500.00 |
| d. EROSION CONTROL | | \$ | 60,000.00 |
| e. TRAFFIC CONTROL (with signals for staged construction) | | \$ | 170,000.00 |
| | | SUBTOTAL:C-4 | \$ 265,000.00 |
| 5. MISCELLANEOUS: | | | |
| a. LIGHTING | | \$ | 0.00 |
| b. SIGNING - MARKING | | \$ | 5,000.00 |
| c. GUARDRAIL | | \$ | |
| T Beam (84 ft @\$66/ft) | \$ | 5,545.00 | |
| W Beam (1000 ft @ \$15/ft) | \$ | 15,000.00 | |
| TP 12 Anchor (4 @ \$1,660) TP1 anchor (4 @ \$640 ea) | \$ | 9,200.00 | |
| d. SIDEWALK (1707 yd ² @ \$25.75/ yd ²) | | \$ | 43,955.00 |
| | | SUBTOTAL:C-5 | \$ 78,700.00 |
| 6. SPECIAL FEATURES: Removal of Existing Bridge | | | |
| | | SUBTOTAL:C-6 | \$ 80,000.00 |

| ESTIMATE SUMMARY – Staged 160' Bridge | | |
|--|------|------------------------|
| A. RIGHT-OF-WAY () | | \$ 20,000.00 |
| B. REIMBURSABLE UTILITIES | LGPA | \$ 0.00 |
| C. CONSTRUCTION | | |
| 1. MAJOR STRUCTURES | | \$ 508,590.00 |
| 2. GRADING AND DRAINAGE | | \$ 92,100.00 |
| 3. BASE AND PAVING | | \$ 246,200.00 |
| 4. LUMP ITEMS | | \$ 265,000.00 |
| 5. MISCELLANEOUS | | \$ 78,700.00 |
| 6. SPECIAL FEATURES | | \$ 80,000.00 |
| SUBTOTAL CONSTRUCTION COST | | \$ 1,270,590.00 |
| E. & C. (10%) | | \$ 127,059.00 |
| INFLATION (5% PER YEAR) | | \$ 301,202.00 |
| NUMBER OF YEARS | 4 | |
| TOTAL CONSTRUCTION COST | | \$ 1,698,851.00 |
| | | |
| GRAND TOTAL PROJECT COST | | \$ 1,718,851.00 |

This project is 100% in Walton County.

PRELIMINARY COST ESTIMATE: Alternate 2 - Bridge with Temporary Bridge

PREPARED BY: Robert C. Goodwin

PROJECT LENGTH: 0.23 miles

ESTIMATED LETTING DATE: FY16

PROGRAMMING PROCESS CONCEPT DEVELOPMENT DURING PROJECT DEV.

| PROJECT COST - Alternate 2 - Bridge with Temporary Bridge | |
|---|---------------|
| A. RIGHT-OF-WAY: | |
| 1. PROPERTY (LAND & EASEMENT) | \$ 20,000.00 |
| 2. DISPLACEMENTS: RES: 0, BUS: 0, M.H.: 0 | \$ 0.00 |
| 3. OTHER COST (ADM./COST, INFLATION) | \$ 0.00 |
| SUBTOTAL:A | \$ 20,000.00 |
| B. REIMBURSABLE UTILITIES: | |
| 1. RAILROAD | \$ 0.00 |
| 2. TRANSMISSION LINES | \$ 0.00 |
| 3. SERVICES | \$ 0.00 |
| SUBTOTAL:B | \$ 0.00 |
| C. CONSTRUCTION: | |
| 1. MAJOR STRUCTURES Bridges (129.25' x 41.42' @ \$95/sf) | \$ 508,590.00 |
| a. TEMP BRIDGE (129.25'x 41.42 @ \$57/sf) | \$ 305,155.00 |
| b. RETAINING WALLS--not part of bridge-- (including railing) | \$ 0.00 |
| SUBTOTAL:C-1 | \$ 813,745.00 |
| 2. GRADING AND DRAINAGE: | |
| a. EARTHWORK 400 CY excav. @ \$16/CY ; 5,000 CY embank @\$4.75/CY | \$ 30,150.00 |
| b. DRAINAGE: | |
| 1) Curb and Gutter (2530' @ \$15.00/ft) | \$ 37,950.00 |
| 2) Longitudinal System | |
| Catch Basins (6 @ \$2200/basin) | \$ 13,200.00 |
| Drop Inlets (1 @ \$2100/inlet) | \$ 2,100.00 |
| Flared End Section (2 @ \$500/FES) | \$ 1000.00 |
| Safety End Section (0 @ \$560/SES) | \$ 0.00 |
| MH (0 @ \$2400/MH) | \$ 0.00 |
| 18 inch pipe (500 ft @ \$30.50/ft) | \$ 15,250.00 |
| SUBTOTAL: C-2 | \$ 99,650.00 |
| 3. BASE AND PAVING: | |

PROJECT COST - Alternate 2 - Bridge with Temporary Bridge

| | | | |
|--|----|-----------------|---------------|
| a. AGGREGATE BASE (3177 tons @ \$20/ton) | | \$ | 63,540.00 |
| b. ASPHALT PAVING: | | | |
| Milling (800 yd ² @ \$4.00/ yd ²) | \$ | 3,200.00 | |
| Surface (620 tons @ \$62/ton) | \$ | 38,440.00 | |
| Binder (940 tons @ \$62/ton) | \$ | 58,280.00 | |
| Base (1850 tons @ \$54/ton) | \$ | 85,320.00 | |
| | | SUBTOTAL: C-3.b | \$ 185,240.00 |
| c. CONCRETE PAVING (100 SY @ \$31/SY) | | \$ | 3,100.00 |
| d. OTHER concrete approach slab (280 S.Y. @\$161/S.Y.) | | \$ | 45,080.00 |
| | | SUBTOTAL: C-3 | \$ 296,960.00 |
| 4. LUMP ITEMS: | | | |
| a. GRASSING (3 acre @ \$2500/acre) | | \$ | 7,500.00 |
| b. CLEARING AND GRUBBING | | \$ | 30,000.00 |
| c. LANDSCAPING | | \$ | 2,500.00 |
| d. EROSION CONTROL | | \$ | 80,000.00 |
| e. TRAFFIC CONTROL | | \$ | 175,000.00 |
| | | SUBTOTAL: C-4 | \$ 295,000.00 |
| 5. MISCELLANEOUS: | | | |
| a. LIGHTING | | \$ | 0.00 |
| b. SIGNING - MARKING | | \$ | 7,000.00 |
| c. GUARDRAIL | | \$ | |
| T Beam (160 ft @\$66/ft) | \$ | 10,560.00 | |
| W Beam (1800 ft @ \$15/ft) | \$ | 27,000.00 | |
| TP 12 Anchor (8 @ \$1,660) TP1 anchor (8 @ \$640 ea) | \$ | 18,400.00 | |
| d. SIDEWALK (1707 yd ² @ 35.00/ yd ²) | | \$ | 59,745.00 |
| | | SUBTOTAL: C-5 | \$ 122,705.00 |
| 6. SPECIAL FEATURES: Removal of Existing Bridge | | | |
| | | SUBTOTAL: C-6 | \$ 60,000.00 |

| ESTIMATE SUMMARY - Alternate 2 - Bridge with Temporary Bridge | | |
|--|------|-----------------|
| A. RIGHT-OF-WAY () | | \$ 20,000.00 |
| B. REIMBURSABLE UTILITIES | LGPA | \$ 0.00 |
| C. CONSTRUCTION | | |
| 1. MAJOR STRUCTURES | | \$ 813,745.00 |
| 2. GRADING AND DRAINAGE | | \$ 99,650.00 |
| 3. BASE AND PAVING | | \$ 296,960.00 |
| 4. LUMP ITEMS | | \$ 295,000.00 |
| 5. MISCELLANEOUS | | \$ 122,705.00 |
| 6. SPECIAL FEATURES | | \$ 60,000.00 |
| SUBTOTAL CONSTRUCTION COST | | \$ 1,688,060.00 |
| E. & C. (10%) | | \$ 168,806.00 |
| INFLATION (5% PER YEAR) | | \$ 400,167.00 |
| NUMBER OF YEARS | 4 | |
| TOTAL CONSTRUCTION COST | | \$ 2,257,033.00 |
| GRAND TOTAL PROJECT COST | | \$ 2,277,033.00 |

This project is 100% in Walton County.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE PROJECT No. BRST0-0052-01(012) , Walton County **OFFICE** Program Delivery
SR 11 @ CSX Railroad in South Social Circle **DATE** 11/5/10

P.I. No. 132980-

FROM Bobby Hilliard, State Program Delivery Engineer *B.H.*

TO Ronald E. Wishon, Project Review Engineer

SUBJECT REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Derrick Brown

MNGT LET DATE N/A

MNGT R/W DATE N/A

PROGRAMMED COST (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$ 1,741,000

DATE 1/3/2007

RIGHT OF WAY \$ 20,000

DATE 12/21/2006

UTILITIES \$ N/A

DATE N/A

REVISED COST ESTIMATES

CONSTRUCTION* \$ 1,835,942.52

RIGHT OF WAY \$ 56,000

UTILITIES \$ N/A

* Costs contain 5 % Engineering and Inspection

REASON FOR COST INCREASE

Yearly cost update.

Social Circle to provide utility relocations through a Local Government Project Agreement signed in 1999.

CONTINGENCY SUMMARY

| | | |
|-----------------------------|------------------------|------------------------------|
| Construction Cost Estimate: | \$ <u>1,664,032.79</u> | (Base Estimate) |
| Engineering and Inspection: | \$ <u>83,201.64</u> | (Base Estimate x <u>5</u> %) |
| Total Fuel Adjustment | \$ <u>61451.80</u> | (From attached worksheet) |
| Total Liquid AC Adjustment | \$ <u>27256.29</u> | (From attached worksheet) |
| Construction Total: | \$ <u>1,835,942.52</u> | |

REIMBURSABLE UTILITY COST

Utility Owner

Reimbursable Cost

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S.H.
Attachments

132980 Construction Cost Estimate 10 29 10
STATE HIGHWAY AGENCY

DATE : 10/18/2010
PAGE : 1

JOB DETAIL ESTIMATE

JOB NUMBER : 132980
DESCRIPTION: SR 11 OVER CSX
SOCIAL CIRCLE

SPEC YEAR: 01

COST GROUPS FOR JOB 132980

| COST GROUP | DESCRIPTION | QUANTITY | PRICE | AMOUNT | ACTIVE? |
|---------------------------|-----------------------------------|-----------|---------------|------------|---------|
| EROCPTO | EROSION CONTROL (PERCENT OF JOB) | 12959.184 | 1.00000 | 12959.18 | Y |
| PVMKPTO | PAVEMENT MARKING (PERCENT OF JOB) | 12959.184 | 1.00000 | 12959.18 | Y |
| UDEF | STRUCTURE LUMP-SUM | 1.000 | 1270000.00000 | 1270000.00 | Y |
| ACTIVE COST GROUP TOTAL | | | | 1295918.36 | |
| INFLATED COST GROUP TOTAL | | | | 1295918.36 | |

ITEMS FOR JOB 132980

| LINE | ITEM | ALT | UNITS | DESCRIPTION | QUANTITY | PRICE | AMOUNT |
|---------------------|----------|-----|-------|--|----------|----------|-----------|
| 0005 | 150-1000 | | LS | TRAFFIC CONTROL - BRST0-0052-01(012) | 1.000 | 30000.00 | 30000.00 |
| 0010 | 210-0100 | | LS | GRADING COMPLETE - BRST0-0052-01(012) | 1.000 | 50000.00 | 50000.00 |
| 0015 | 310-1101 | | TN | GR AGGR BASE CRS, INCL MATL | 1190.000 | 25.43 | 30270.36 |
| 0020 | 402-3130 | | TN | RECYL AC 12.5MM SP,GP2,BM&HL | 280.000 | 96.84 | 27115.95 |
| 0025 | 402-3190 | | TN | RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL | 310.000 | 86.77 | 26898.86 |
| 0030 | 402-3121 | | TN | RECYL AC 25MM SP,GP1/2,BM&HL | 290.000 | 79.75 | 23130.15 |
| 0035 | 413-1000 | | GL | BITUM TACK COAT | 170.000 | 3.19 | 543.75 |
| 0040 | 441-0016 | | SY | DRIVEWAY CONCRETE, 6 IN TK | 224.000 | 46.16 | 10341.43 |
| 0045 | 441-0104 | | SY | CONC SIDEWALK, 4 IN | 845.000 | 55.28 | 46716.59 |
| 0050 | 441-4030 | | SY | CONC VALLEY GUTTER, 8 IN | 136.000 | 53.36 | 7257.79 |
| 0055 | 441-6222 | | LF | REINF CONC APPROACH SLAB | 1770.000 | 20.75 | 36732.30 |
| 0060 | 433-1000 | | SY | RIGHT OF WAY MARKERS | 200.000 | 187.95 | 37590.53 |
| 0065 | 634-1200 | | EA | GUARDRAIL, TP T | 20.000 | 103.40 | 2068.11 |
| 0070 | 641-1100 | | LF | GUARDRAIL, TP W | 84.000 | 65.76 | 5524.53 |
| 0075 | 641-1200 | | LF | GUARDRAIL ANCHORAGE, TP 1 | 300.000 | 15.93 | 4779.86 |
| 0080 | 641-5001 | | EA | GUARDRAIL ANCHORAGE, TP 12 | 4.000 | 641.36 | 2565.48 |
| 0085 | 641-5012 | | EA | CATCH BASIN, GP 1 | 3.000 | 1862.09 | 5586.28 |
| 0090 | 668-1100 | | EA | FLARED END SECT 18 IN, SIDE DR | 4.000 | 2336.81 | 9347.27 |
| 0095 | 550-4118 | | EA | STM DR PIPE 18",H 1-10 | 4.000 | 451.78 | 1807.15 |
| 0100 | 550-1180 | | LF | | 200.000 | 49.19 | 9838.03 |
| ITEM TOTAL | | | | | | | 368114.42 |
| INFLATED ITEM TOTAL | | | | | | | 368114.42 |

TOTALS FOR JOB 132980

ESTIMATED COST:
CONTINGENCY PERCENT (0.0) :
ESTIMATED TOTAL:

1664032.79
0.00
1664032.79

P.I. Number 132980

County Walton

Date 11/5/2010

Project Number BRST0-0052-01(012)

**Special Provision, Section 109-Measurement and Payment
FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)**

| | |
|------------------|-------|
| ENTER FPL DIESEL | 2.933 |
| ENTER FPM DIESEL | 6.599 |

| | |
|--------------------|-------|
| ENTER FPL UNLEADED | 2.82 |
| ENTER FPM UNLEADED | 5.895 |

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

| |
|----------------------------|
| INCREASE ADJUSTMENT |
| 125.00% |

| |
|----------------------------|
| INCREASE ADJUSTMENT |
| 125.00% |

| ROADWAY ITEMS | QUANTITY | DIESEL FACTOR | GALLONS DIESEL | UNLEADED FACTOR | GALLONS UNLEADED | REMARKS |
|--|-----------|---------------|----------------|-----------------|------------------|---------|
| Excavations paid as specified by Sections 205 (CUBIC YARD) | | 0.29 | | 0.15 | | |
| Excavations paid as specified by Sections 206 (CUBIC YARD) | 20000.000 | 0.29 | 5800.00 | 0.15 | 3000.00 | |
| GAB paid as specified by the ton under Section 310 (TON) | 1200.000 | 0.29 | 348.00 | 0.24 | 288.00 | |
| Hot Mix Asphalt paid as specified by the ton under Sections 400 (TON) | | 2.90 | | 0.71 | | |
| Hot Mix Asphalt paid as specified by the ton under Sections 402 (TON) | 1000.000 | 2.90 | 2900.00 | 0.71 | 710.00 | |
| PCC Pavement paid as specified by the square yard under Section 430 (SY) | | 0.25 | | 0.20 | | |

| BRIDGE ITEMS | Quantity | Unit Price | GF/1000 | Diesel Factor | Gallons Diesel | Unleaded Factor | Gallons Unleaded | REMARKS |
|---------------------------------------|----------|------------|----------|---------------|----------------|-----------------|------------------|----------|
| Bridge Excavation (CY) Section 211 | 1000.00 | 30.00 | 30.0000 | 8.00 | 240.00 | 1.50 | 45.00 | |
| Class __ Concrete (CY) Section 500 | 40.00 | 500.00 | 20.0000 | 8.00 | 160.00 | 1.50 | 30.00 | Class AA |
| Class __ Concrete (CY) Section 500 | | | | 8.00 | | 1.50 | | |
| Class __ Concrete (CY) Section 500 | | | | 8.00 | | 1.50 | | |
| Superstru Con Class__(CY) Section 500 | 180.00 | 650.00 | 117.0000 | 8.00 | 936.00 | 1.50 | 175.50 | |
| Superstru Con Class__(CY) Section 500 | | | | 8.00 | | 1.50 | | |
| Superstru Con Class__(CY) Section 500 | | | | 8.00 | | 1.50 | | |
| Concrete Handrail (LF) Section 500 | | | | 8.00 | | 1.50 | | |
| Concrete Barrier (LF) Section 500 | 260.00 | 40.00 | 10.4000 | 8.00 | 83.20 | 1.50 | 15.60 | |

| BRIDGE ITEMS | Quantity | Unit Price | QF/1000 | Diesel Factor | Gallons Diesel | Unleaded Factor | Gallons Unleaded | REMARKS |
|---|-----------|-----------------|----------|-------------------------|----------------|-----------------|------------------|---------|
| Stru Steel <u>Plan Quantity</u> (LB) Section 501 | 230000.00 | 1.50 | 345.0000 | 8.00 | 2760.00 | 1.50 | 517.50 | |
| Stru Steel <u>Plan Quantity</u> (LB) Section 501 | | | | 8.00 | | 1.50 | | |
| PSC Beams____ (LF) Section 507 | | | | 8.00 | | 1.50 | | |
| PSC Beams____ (LF) Section 507 | | | | 8.00 | | 1.50 | | |
| PSC Beams____ (LF) Section 507 | | | | 8.00 | | 1.50 | | |
| Stru Reinf <u>Plan Quantity</u> (LB) Section 511 | 40500.00 | 0.70 | 28.3500 | 8.00 | 226.80 | 1.50 | 42.53 | |
| Stru Reinf <u>Plan Quantity</u> (LB) Section 511 | | | | 8.00 | | 1.50 | | |
| Bar Reinf Steel (LB) Section 511 | 4700.00 | 0.70 | 3.2900 | 8.00 | 26.32 | 1.50 | 4.94 | |
| Piling____ inch (LF) Section 520 | 700.00 | 65.00 | 45.5000 | 8.00 | 364.00 | 1.50 | 88.25 | HP14 |
| Piling____ inch (LF) Section 520 | | | | 8.00 | | 1.50 | | |
| Piling____ inch (LF) Section 520 | | | | 8.00 | | 1.50 | | |
| Piling____ inch (LF) Section 520 | | | | 8.00 | | 1.50 | | |
| Piling____ inch (LF) Section 520 | | | | 8.00 | | 1.50 | | |
| Piling____ inch (LF) Section 520 | | | | 8.00 | | 1.50 | | |
| Drilled Caisson____ (LF) Section 524 | | | | 8.00 | | 1.50 | | |
| Drilled Caisson____ (LF) Section 524 | | | | 8.00 | | 1.50 | | |
| Drilled Caisson____ (LF) Section 524 | | | | 8.00 | | 1.50 | | |
| Pile Encasement____(LF) Section 547 | | | | 8.00 | | 1.50 | | |
| Pile Encasement____(LF) Section 547 | | | | 8.00 | | 1.50 | | |
| SUM QF DIESEL= | | 13844.32 | | SUM QF UNLEADED= | | 4897.31 | | |
| DIESEL PRICE ADJUSTMENT(\$) | | | | \$46,696.20 | | | | |
| UNLEADED PRICE ADJUSTMENT(\$) | | | | \$14,755.60 | | | | |

ASPHALT CEMENT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT(Surface Treatment 125% MAX)

APPLICABLE TO CONTRACTS CONTAINING THE 413 SPEC. SECTION 413.5.01 ADJUSTMENTS ASPHALT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT

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

ENTER APL

ENTER APM

| Use this side for Asphalt Emulsion Only | | |
|---|--------|-------------------------------------|
| L.I.N. | TYPE | ASPHALT EMULSION (GALLONS) |
| 413-1000 | CRS-2h | 170 |
| TMT = | | <input type="text" value="0.4746"/> |
| REMARKS: | | |

| Use this side for Asphalt Cement Only | | |
|---------------------------------------|------|----------------------|
| L.I.N. | TYPE | TACK (GALLONS) |
| | | |
| TMT = | | <input type="text"/> |
| REMARKS: | | |

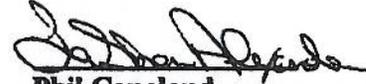
ADJUSTMENT SUMMARY

| | |
|--|--------------------|
| FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX) | |
| DIESEL PRICE ADJUSTMENT(\$) | <u>\$46,696.20</u> |
| UNLEADED PRICE ADJUSTMENT(\$) | <u>\$14,755.60</u> |
| ASPHALT CEMENT PRICE ADJUSTMENT (BITUMINOUS TACK COAT 125% MAX) | <u>\$463.87</u> |
| 400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT 125% MAX | <u>\$27,000.00</u> |
| ASPHALT CEMENT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT(Surface Treatment 125% MAX) | <u>\$256.29</u> |

REMARKS:

TOTAL ADJUSTMENTS

Preliminary Right of Way Cost Estimate



Phil Copeland
Right of Way Administrator
By: LaShone Alexander

Date: November 05, 2010
Project: BRST0-0061-01(110) Walton County
Existing/Required R/W: Varies /Varies
Project Terminal : SR 11 Over CSX Railroad in South Social Circle
Project Description: SR 11 Over CSX Railroad in South Social Circle

P.L Number: 132980
No. Parcels: 10

| | | | |
|-----------------------|----------------------------------|------|------------------|
| Land: | | | |
| Permanent Easement: | 0.35 Acres @ \$35,000/acre @ 50% | | \$ 17,500 |
| Improvements : | misc. site improvements | | 5,000 |
| Relocation: | Commercial (0) | \$ 0 | |
| | Residential (0) | \$ 0 | |
| Damage : | Proximity | \$ 0 | |
| | Consequential | \$ 0 | |
| | Cost to Cure | | <u>0.00</u> |
| | Net Cost | | \$ 22,500 |
| | Net Cost | | \$ 22,500 |
| | Scheduling Contingency | 55 % | 12,375 |
| | Adm/Court Cost | 60 % | <u>20,925</u> |
| | | | \$ 55,800 |

Total Cost \$56,000

Note: The Market Appreciation (40%) is not included in the updated Preliminary Cost Estimate.