

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**OFFICE OF DESIGN POLICY & SUPPORT  
INTERDEPARTMENTAL CORRESPONDENCE**

**FILE** P.I. #0009620 **OFFICE** Design Policy & Support  
Murray County  
GDOT District 6 - Cartersville **DATE** 9/12/2014  
Roundabout - SR225 @ Mt Carmel Church/Mitchell  
Bridge Rd

**FROM**  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:**

Glenn Bowman, Director of Engineering  
Joe Carpenter, Director of P3/Program Delivery  
Genetha Rice-Singleton, Assistant Director of P3/Program Delivery  
Albert Shelby, State Program Delivery Engineer  
Bobby Hilliard, Program Control Administrator  
Cindy VanDyke, State Transportation Planning Administrator  
Hiral Patel, State Environmental Administrator  
Kathy Zahul, State Traffic Engineer  
Angela Robinson, Financial Management Administrator  
Lisa Myers, State Project Review Engineer  
Paul Tanner, Asst. State Transportation Data Administrator  
Attn: Systems & Classification Branch  
Jeff Fletcher, Location Bureau Chief  
DeWayne Comer, District Engineer  
Mike Haithcock, District Preconstruction Engineer  
Cherie Marsh, District Planning & Programming Engineer  
Glenn Warlick, Area Engineer - D6, A2  
Cynthia Burney, Project Manager  
BOARD MEMBER - 14th Congressional District

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE 0009620, Murray County OFFICE Program Delivery  
SR 225 @ CR 132/Mt Carmel Church Road/Mitchell Bridge Road DATE August 28, 2014

FROM Albert V. Shelby, III, State Program Delivery Engineer *Albert Shelby*  
ASA  
(81)

TO Brent A. Story, State Design Policy Engineer  
ATTN: Dave Peters, State Conceptual Design Group Manager

SUBJECT **Request for Location and Design Approval**

**Description and Project Proposal:** The proposed project is at the intersection of SR 225 and Mt. Carmel Church /Mitchell Bridge Road and is located in Murray County, Georgia within Land Lots 100 and 117. This project consists of constructing a four-legged roundabout at the intersection of SR 225 and Mt. Carmel Church /Mitchell Bridge Road. The project limits on SR 225 would extend approximately 950 feet north and 800 feet south of the intersection. The project limits on CR 132 would extend approximately 750 feet west and 700 feet east from the intersection. The total project length is approximately 1,750 feet.

**Concept Approval Date:** September 12, 2013

**Environmental Document:**

Document Type: Categorical Exclusion

Approval Date: August 20, 2014

**Temporary State Route Needed:**  No  Yes  Undetermined

**Public Involvement:**

- Public Information Open House summary:

A PIOH was held at the North Murray High School on April 9, 2013. A total of 34 people attended. From those attending, two comment forms, no letters and no verbal statements were received. An additional four comments were received during the ten-day comment period following the public information open house, for a total of six comments. They are summarized as follows:

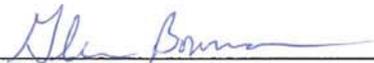
| No. Opposed | No. In Support | Uncommitted | Conditional |
|-------------|----------------|-------------|-------------|
| 5           | 1              | 0           | 0           |

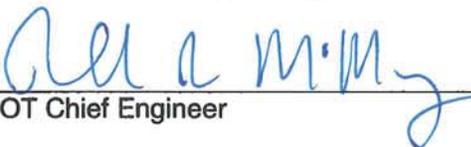
**MAJOR CONCERNS:** Comments included concerns about safety for student, elderly, bus, and truck drivers; concerns about drivers not knowing how to navigate through a roundabout; questions about right-of-way acquisition; questions about the project schedule; suggestions for a traffic signal with turn lanes or to leave the intersection as a

four-way stop; concerns about roundabouts being a waste of money; and general support or opposition for the project.

**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.

**Concur:**   
GDOT Director of Engineering

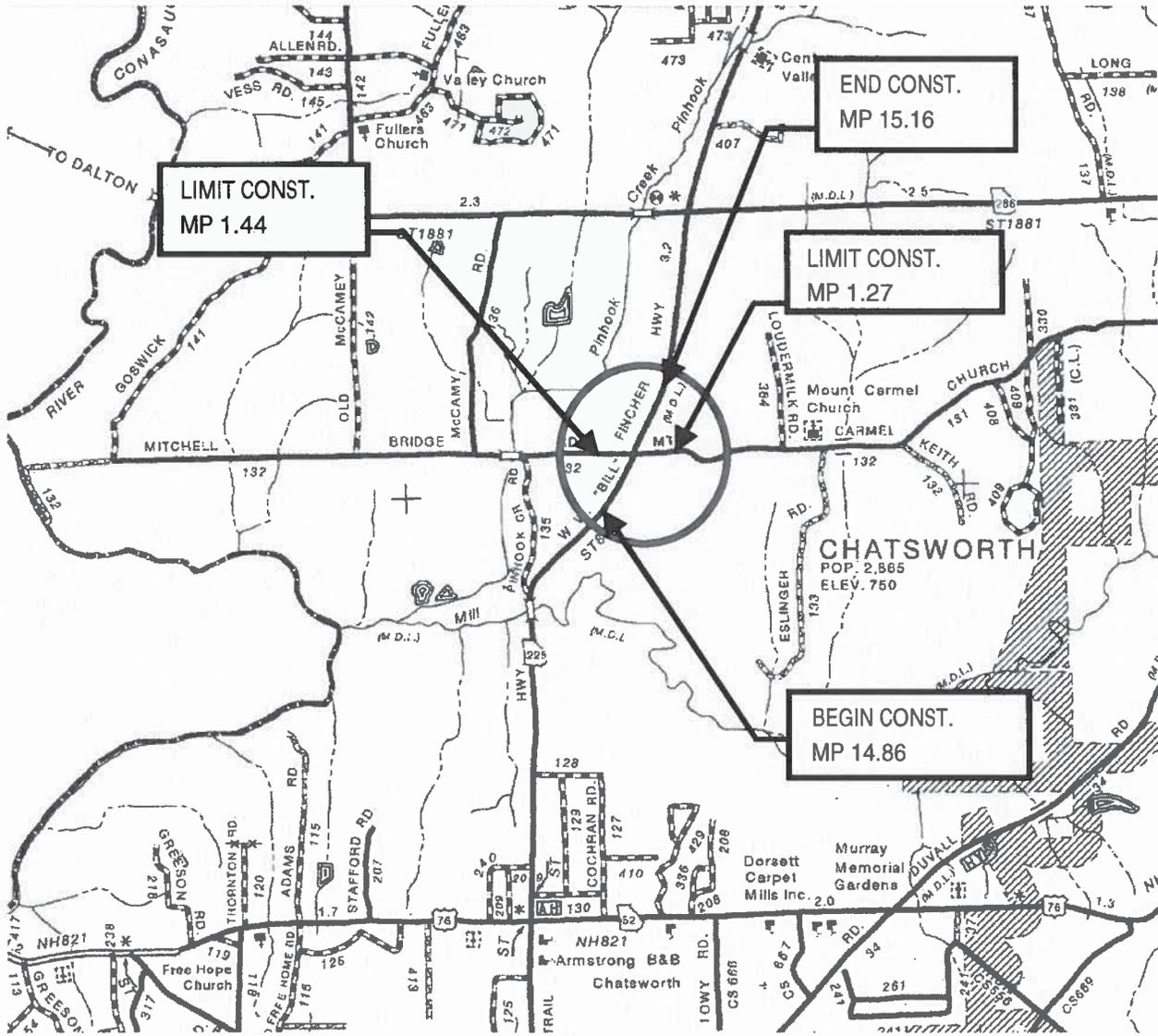
**Approve:**  9-9-14  
GDOT Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: September 12, 2014

Attachments:

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

# Project Location Map



Center of Roundabout MP 15.01 SR 225 and MP 1.37 CR 132

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P.I. No.

**OFFICE**

**PROJECT DESCRIPTION**

**DATE**

**From:**

**To:** Lisa L. Myers, State Project Review Engineer

**Subject: REVISIONS TO PROGRAMMED COSTS**

**PROJECT MANAGER**

**MGMT LET DATE**

**MGMT ROW DATE**

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

**LAST ESTIMATE UPDATE**

**CONSTRUCTION** \$

**DATE**

**RIGHT OF WAY** \$

**DATE**

**UTILITIES** \$

**DATE**

**REVISED COST ESTIMATES**

**CONSTRUCTION\*** \$

**RIGHT OF WAY** \$

**UTILITIES** \$

\*Cost Contains  % Contingency

**REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:**

# CONTINGENCY SUMMARY

|   |    |              |   |     |
|---|----|--------------|---|-----|
| <b>A. CONSTRUCTION COST ESTIMATE:</b>             | \$ | 1,943,287.45 | Base Estimate From CES                                  |     |
| <b>B. ENGINEERING AND INSPECTION (E &amp; I):</b> | \$ | 97,164.37    | Base Estimate (A) x                                     | 5 % |
| <b>C. CONTINGENCY:</b>                            | \$ | 102,022.59   | Base Estimate (A) + E & I (B) x                         | 5 % |
|   |    |              | <u>See % Table in "Risk Based Cost Estimation" Memo</u> |     |
| <b>D. TOTAL LIQUID AC ADJUSTMENT:</b>             | \$ | 120,531.91   | Total From Liquid AC Spreadsheet                        |     |
| <b>E. CONSTRUCTION TOTAL:</b>                     | \$ | 2,263,006.33 | (A + B + C + D = E)                                     |     |

## REIMBURSABLE UTILITY COSTS

| UTILITY OWNER     | REIMBURSABLE COST   |
|-------------------|---------------------|
| North Georgia EMC | \$ 39,000.00        |
|                   |                     |
|                   |                     |
|                   |                     |
|                   |                     |
|                   |                     |
|                   |                     |
|                   |                     |
| <b>TOTAL</b>      | <b>\$ 39,000.00</b> |

**ATTACHMENTS:**

Detailed Cost Estimate Printout From TRAQS  
 Liquid AC Adjustment Spreadsheet

PROJ. NO. [REDACTED]  
 P.I. NO. 0009620  
 DATE 8/26/2014

CALL NO. 9/29/2009

| INDEX (TYPE)  | DATE   | INDEX     |
|---------------|--------|-----------|
| REG. UNLEADED | Aug-14 | \$ 3.500  |
| DIESEL        |        | \$ 3.835  |
| LIQUID AC     |        | \$ 608.00 |

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)                                |          |     |    | <b>119143.68</b> | \$ | <b>119,143.68</b> |
| Monthly Asphalt Cement Price month placed (APM)      | Max. Cap | 60% | \$ | 972.80           |    |                   |
| Monthly Asphalt Cement Price month project let (APL) |          |     | \$ | 608.00           |    |                   |
| <b>Total Monthly Tonnage of asphalt cement (TMT)</b> |          |     |    | <b>326.6</b>     |    |                   |

| ASPHALT   | Tons        | %AC  | AC ton       |
|-----------|-------------|------|--------------|
| Leveling  | 110         | 5.0% | 5.5          |
| 12.5 OGFC |             | 5.0% | 0            |
| 12.5 mm   | 447         | 5.0% | 22.35        |
| 9.5 mm SP |             | 5.0% | 0            |
| 25 mm SP  | 4647        | 5.0% | 232.35       |
| 19 mm SP  | 1328        | 5.0% | 66.4         |
|           | <b>6532</b> |      | <b>326.6</b> |

**BITUMINOUS TACK COAT**

|  |          |     |    |                    |    |                 |
|--|----------|-----|----|--------------------|----|-----------------|
| Price Adjustment (PA)                                |          |     | \$ | <b>1,388.23</b>    | \$ | <b>1,388.23</b> |
| Monthly Asphalt Cement Price month placed (APM)      | Max. Cap | 60% | \$ | 972.80             |    |                 |
| Monthly Asphalt Cement Price month project let (APL) |          |     | \$ | 608.00             |    |                 |
| <b>Total Monthly Tonnage of asphalt cement (TMT)</b> |          |     |    | <b>3.805459417</b> |    |                 |

Bitum Tack

| Gals | gals/ton | tons       |
|------|----------|------------|
| 886  | 232.8234 | 3.80545942 |

**BITUMINOUS TACK COAT (surface treatment)**

|  |          |     |    |          |    |          |
|--|----------|-----|----|----------|----|----------|
| Price Adjustment (PA)                                |          |     |    | <b>0</b> | \$ | <b>-</b> |
| Monthly Asphalt Cement Price month placed (APM)      | Max. Cap | 60% | \$ | 972.80   |    |          |
| Monthly Asphalt Cement Price month project let (APL) |          |     | \$ | 608.00   |    |          |
| <b>Total Monthly Tonnage of asphalt cement (TMT)</b> |          |     |    | <b>0</b> |    |          |

| 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    |
|                    |    |         |      |          | 0    |

**TOTAL LIQUID AC ADJUSTMENT** \$ **120,531.91**

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

FILE P.I. No. 0009620; Murray County OFFICE Cartersville  
SR-225 @ CR 132/Mt Carmel Rd/Mitchell Bridge Rd DATE August 26, 2014

FROM  Kerry D. Bonner, District Utilities Engineer

TO Albert Shelby, State Program Delivery Engineer  
ATTN: Cynthia Burney, Project Manager

SUBJECT UPDATED PRELIMINARY UTILITY COST ESTIMATE

As requested by your office, we are furnishing you with an updated preliminary utility cost estimate for each utility with facilities potentially located within the project limits.

| FACILITY OWNER              | NON-REIMBURSABLE | REIMBURSABLE |
|-----------------------------|------------------|--------------|
| North Georgia EMC           |                  | \$ 39,000.00 |
| Charter Communications      | \$ 20,000.00     |              |
| Chatsworth Water and Sewer* | \$ 97,030.00     |              |
| Windstream                  | \$ 50,889.00     |              |
| Totals                      | \$167,919.00     | \$39,000.00  |

Total Preliminary Utility Cost Estimate is \$206,919.00.

\*The reimbursable amount could increase to \$ 136,030.00 should Chatsworth Water and Sewer apply for and be granted assistance.

If you have any questions, please contact Jennifer Deems at 678-721-5323.

KDB/jd

C:  
Mike Bolden, State Utilities Engineer  
File/Estimating Book

GEORGIA DEPARTMENT OF TRANSPORTATION  
 DETAILED ROW COST ESTIMATE SUMMARY

Date (MM/YYYY): July-14      Project: CSSFT-0009-00(620)  
 Revised:      County: Murray  
    PI: 9620  
 Description: Proposed Construction of the Southeast Rome Bypass  
 Parcels: 9      R/W Plan Date: 6/20/2014

CONTRACT

Land and Improvements \_\_\_\_\_ \$51,747.19  
 Valuation Services \_\_\_\_\_ \$29,437.50  
 Legal Services \_\_\_\_\_ \$81,075.00  
 Relocation \_\_\_\_\_ \$25,000.00  
 Demolition \_\_\_\_\_ \$5,000.00  
**TOTAL CONTRACT \_\_\_\_\_ \$192,259.69**

INHOUSE

**TOTAL INHOUSE \_\_\_\_\_ \$101,250.00**  
**TOTAL ESTIMATED COSTS \_\_\_\_\_ \$293,509.69**

**TOTAL ESTIMATED COSTS (ROUNDED) \_\_\_\_\_ \$300,000.00**

| Preparation Credits | Hours | Signature          |
|---------------------|-------|--------------------|
| Paxton Hill         | 25    | <i>[Signature]</i> |
|                     |       |                    |
|                     |       |                    |
|                     |       |                    |

*[Signature]*      CG#: 3375      DATE: 7/24/2014  
 CG#:      DATE:

Attachment(s): Project Location Map; Subject/Comp Location Map; Comparable Sales Data

**NOTICE OF LOCATION AND DESIGN APPROVAL**  
**CSSFT-0009-00(620) MURRAY COUNTY**  
**P. I. 0009620**

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 and design approval is: *September 12, 2014*

The proposed project is at the intersection of SR 225 and Mt. Carmel Church /Mitchell Bridge Road and is located in Murray County, Georgia within Land Lots 100 and 117. This project consists of constructing a four-legged roundabout at the intersection of SR 225 and Mt. Carmel Church /Mitchell Bridge Road. The project limits on SR 225 would extend approximately 950 feet north and 800 feet south of the intersection. The project limits on CR 132 would extend approximately 750 feet west and 700 feet east from the intersection. The total project length is approximately 1,750 feet.

The proposed roundabout is anticipated to be constructed under current traffic. In the first stage, traffic will maintain a four-way stop condition on existing road while portions of the center island of the roundabout are being constructed. In the next stage, traffic will move to new pavement and move in a circular pattern at the intersection while the remaining construction areas are built.

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:

*Glenn Warlick  
gwarlick@dot.ga.gov  
1313 North Tibbs Rd  
Dalton, GA 30720  
(706) 272-2211*

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:

*Albert V. Shelby, III  
Program Delivery  
Attn: Cynthia Burney, PE  
cburney@dot.ga.gov  
One Georgia Center  
600 West Peachtree NW  
25<sup>th</sup> Floor  
Atlanta, GA 30308  
(404)631-1758*

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.