

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0010334 **OFFICE** Design Policy & Support
Habersham County
GDOT District 1 - Gainesville **DATE** 5/7/2015
Signal Upgrades - SR15 @ 2 Locations,
SR17 @ 1 Location, & SR105 @ 4 Locations

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
Ben Rabun, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Paul Tanner, State Transportation Data Administrator
Attn: Systems & Classification Branch
Richard Cobb, Location Bureau Chief
Brent Cook, District Engineer
Brandon Kirby, District Preconstruction Engineer
Kim Coley, District Planning & Programming Engineer
Robert Mabry, Area Engineer - D1, A4
Anthony Tate, Project Manager
BOARD MEMBER - 9th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 0010334 OFFICE Program Delivery
Habersham County
Signal & Pedestrian Improvements at 7 Locations DATE April 20, 2015

FROM Albert V. Shelby, III, State Program Delivery Engineer *Albert Shelby*
TO Brent A. Story, PE, State Design Policy & Support Engineer
Attn: Dave Peters, PE, State Conceptual Design Group Manager

SUBJECT **Request for Location and Design Approval**

Description and Project Proposal: The proposed project is located in Habersham County, in the cities of Clarksville (1 location) and Cornelia (6 locations). The specific locations are provided below. The project will consist of traffic signalization upgrades, including LED vehicular signals, countdown pedestrian signal heads, ADA wheelchair ramps and crosswalk striping at all 7 locations.

Intersection Locations

1. State Route 15 and State Route 105
2. State Route 15 and Industrial Boulevard
3. State Route 17 and State Route 197/State Route 385
4. State Route 105 and Camp Creek Road
5. State Route 105 and State Route 385
6. State Route 105 and State Route 15/State Route 365
7. State Route 105 and Berry Street/Ellis Street

Concept Approval Date: November 15, 2013

Concept Update: N/A

Environmental Document:

Document Type: Programmatic Categorical Exclusion Approval Date: March 17, 2015

Temporary State Route Needed: No Yes Undetermined

Public Involvement: N/A

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: 
Director of Engineering

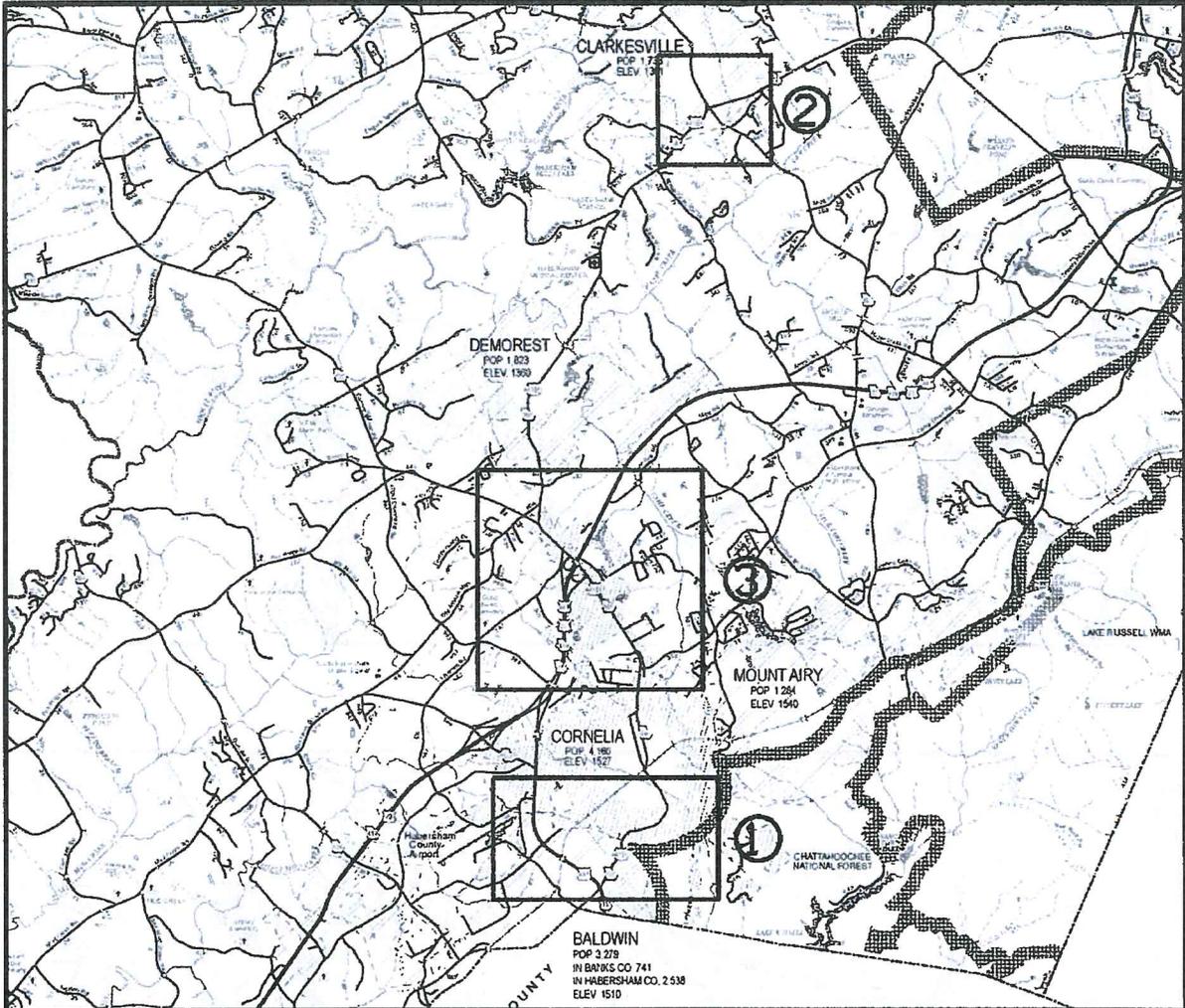
APPROVE: Margaret B. Pikel 5.16.15
GDOT Chief Engineer Date

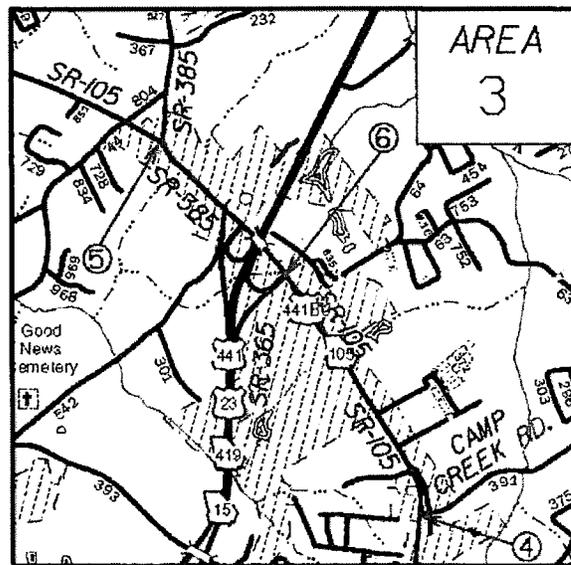
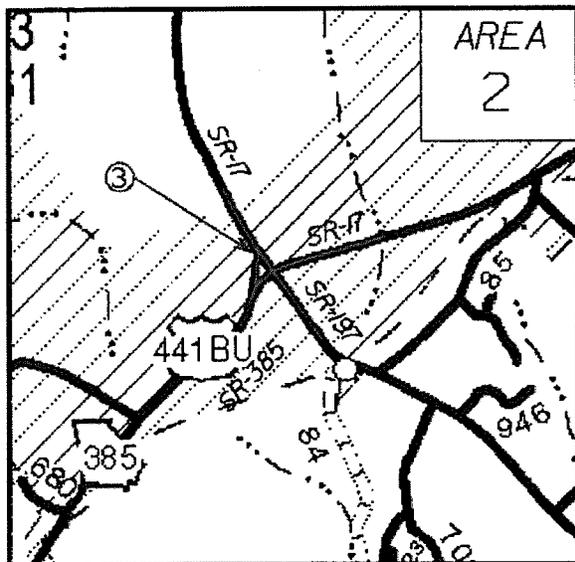
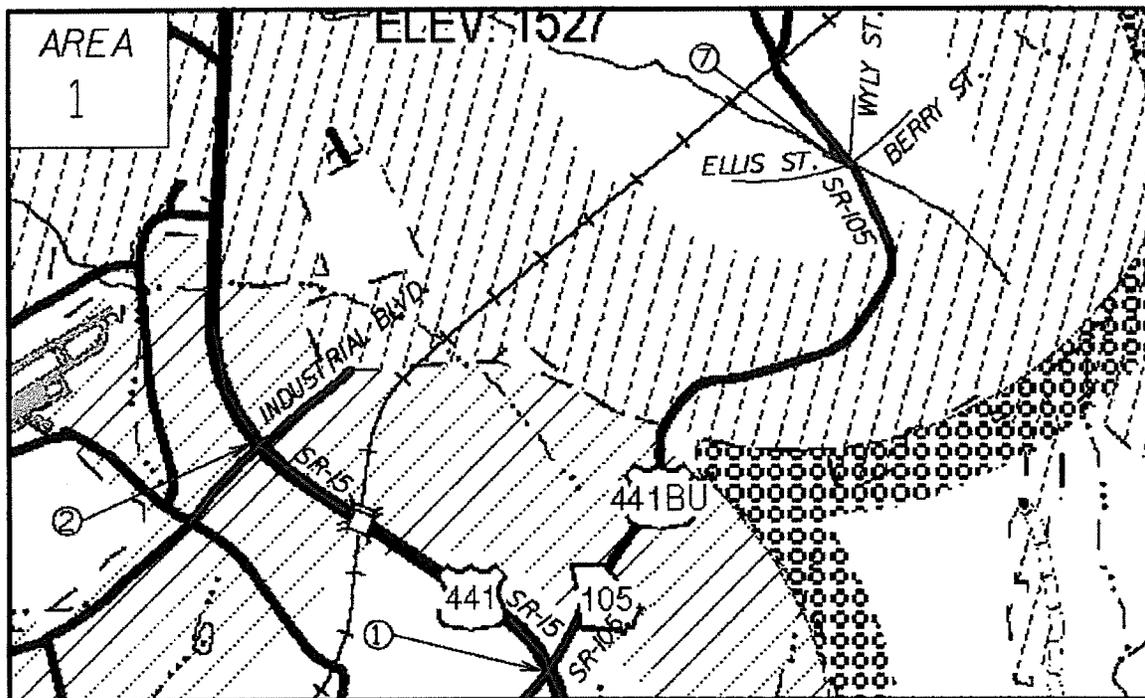
DATE OF LOCATION AND DESIGN APPROVAL: May 7, 2015

Attachments:

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

PROJECT LOCATION





DETAILED COST ESTIMATE



Job: 0010334

JOB NUMBER 0010334

FED/STATE PROJECT NUMBER

SPEC YEAR: 01

DESCRIPTION: SIGNAL UPGRADES - HABERSHAM COUNTY

ITEMS FOR JOB 0010334

0010 - ROADWAY

| Line Number | ITEM | QUANTITY | UNITS | PRICE | DESCRIPTION | AMOUNT |
|------------------------------|----------|----------|-------|-----------------|-------------------------------|---------------------|
| 0005 | 150-1000 | 1.000 | LS | \$90,000.00000 | TRAFFIC CONTROL - 0010334 | \$90,000.00 |
| 0010 | 210-0100 | 1.000 | LS | \$150,000.00000 | GRADING COMPLETE - 0010334 | \$150,000.00 |
| 0013 | 310-1101 | 96.000 | TN | \$8.18117 | GR AGGR BASE CRS, INCL MATL | \$785.39 |
| 0014 | 402-3130 | 3.000 | TN | \$22.43992 | RECYL AC 12.5MM SP,GP2,BM&HL | \$67.32 |
| 0015 | 441-0104 | 425.000 | SY | \$24.69598 | CONC SIDEWALK, 4 IN | \$10,495.79 |
| 0020 | 441-0748 | 429.000 | SY | \$40.17802 | CONC MEDIAN, 6 IN | \$17,236.37 |
| 0025 | 441-6022 | 781.000 | LF | \$0.15746 | CONC CURB & GUTTER, 6"X30"TP2 | \$122.98 |
| 0029 | 500-9999 | 5.000 | CY | \$257.92094 | CL B CONC,BASE OR PVMT WIDEN | \$1,289.60 |
| SUBTOTAL FOR ROADWAY: | | | | | | \$269,997.45 |

0020 - PERMANENT EROSION CONTROL

| Line Number | ITEM | QUANTITY | UNITS | PRICE | DESCRIPTION | AMOUNT |
|--|----------|----------|-------|-------------|------------------------------|-------------------|
| 0030 | 700-6910 | 1.000 | AC | \$875.41708 | PERMANENT GRASSING | \$875.42 |
| 0035 | 700-7000 | 2.000 | TN | \$10.39722 | AGRICULTURAL LIME | \$20.79 |
| 0040 | 700-8000 | 1.000 | TN | \$495.81718 | FERTILIZER MIXED GRADE | \$495.82 |
| 0045 | 700-8100 | 5.000 | LB | \$3.61501 | FERTILIZER NITROGEN CONTENT | \$18.08 |
| 0050 | 716-2000 | 150.000 | SY | \$0.19881 | EROSION CONTROL MATS, SLOPES | \$29.82 |
| SUBTOTAL FOR PERMANENT EROSION CONTROL: | | | | | | \$1,439.93 |

0030 - TEMPORARY EROSION CONTROL

| Line Number | ITEM | QUANTITY | UNITS | PRICE | DESCRIPTION | AMOUNT |
|--|----------|----------|-------|-------------|--------------------------------|--------------------|
| 0055 | 163-0232 | 1.000 | AC | \$363.02194 | TEMPORARY GRASSING | \$363.02 |
| 0060 | 163-0240 | 13.000 | TN | \$275.21056 | MULCH | \$3,577.74 |
| 0065 | 165-0010 | 2000.000 | LF | \$0.70109 | MAINT OF TEMP SILT FENCE, TP A | \$1,402.18 |
| 0070 | 165-0030 | 600.000 | LF | \$0.83776 | MAINT OF TEMP SILT FENCE, TP C | \$502.66 |
| 0075 | 171-0010 | 4000.000 | LF | \$0.26820 | TEMPORARY SILT FENCE, TYPE A | \$1,072.80 |
| 0080 | 171-0030 | 1200.000 | LF | \$1.79959 | TEMPORARY SILT FENCE, TYPE C | \$2,159.51 |
| 0085 | 643-8200 | 200.000 | LF | \$20.34148 | BARRIER FENCE (ORANGE), 4 FT | \$4,068.30 |
| SUBTOTAL FOR TEMPORARY EROSION CONTROL: | | | | | | \$13,146.21 |

DETAILED COST ESTIMATE



Job: 0010334

0040 - SIGNING AND MARKING

| Line Number | ITEM | QUANTITY | UNITS | PRICE | DESCRIPTION | AMOUNT |
|--|----------|----------|-------|-----------|--------------------------------|--------------------|
| 0090 | 653-1501 | 8655.000 | LF | \$0.53765 | THERMO SOLID TRAF ST 5 IN, WHI | \$4,653.36 |
| 0095 | 653-1502 | 4815.000 | LF | \$0.78120 | THERMO SOLID TRAF ST, 5 IN YEL | \$3,761.48 |
| 0100 | 653-1704 | 691.000 | LF | \$0.29216 | THERM SOLID TRAF STRIPE,24",WH | \$201.88 |
| 0105 | 653-1804 | 9330.000 | LF | \$1.09264 | THERM SOLID TRAF STRIPE, 8",WH | \$10,194.33 |
| 0110 | 653-3501 | 1295.000 | GLF | \$1.83587 | THERMO SKIP TRAF ST, 5 IN, WHI | \$2,377.45 |
| 0115 | 653-6004 | 610.000 | SY | \$6.16792 | THERM TRAF STRIPING, WHITE | \$3,762.43 |
| 0120 | 653-6006 | 145.000 | SY | \$8.24241 | THERM TRAF STRIPING, YELLOW | \$1,195.15 |
| SUBTOTAL FOR SIGNING AND MARKING: | | | | | | \$26,146.08 |

0050 - SIGNALS

| Line Number | ITEM | QUANTITY | UNITS | PRICE | DESCRIPTION | AMOUNT |
|------------------------------|----------|----------|-------|----------------|---|---------------------|
| 0125 | 615-1200 | 1790.000 | LF | \$1.81114 | DIRECTIONAL BORE - ALL SIZES | \$3,241.94 |
| 0130 | 639-3004 | 19.000 | EA | \$12,609.50000 | STEEL STRAIN POLE, TP IV | \$239,580.50 |
| 0135 | 647-1000 | 1.000 | LS | \$56,500.00000 | TRAF SIGNAL INSTALLATION NO - 1 | \$56,500.00 |
| 0140 | 647-1000 | 1.000 | LS | \$49,600.00000 | TRAF SIGNAL INSTALLATION NO - 2 | \$49,600.00 |
| 0145 | 647-1000 | 1.000 | LS | \$46,900.00000 | TRAF SIGNAL INSTALLATION NO - 3 | \$46,900.00 |
| 0150 | 647-1000 | 1.000 | LS | \$45,100.00000 | TRAF SIGNAL INSTALLATION NO - 4 | \$45,100.00 |
| 0155 | 647-1000 | 1.000 | LS | \$51,400.00000 | TRAF SIGNAL INSTALLATION NO - 5 | \$51,400.00 |
| 0160 | 647-1000 | 1.000 | LS | \$50,600.00000 | TRAF SIGNAL INSTALLATION NO - 6 | \$50,600.00 |
| 0165 | 647-1000 | 1.000 | LS | \$51,200.00000 | TRAF SIGNAL INSTALLATION NO - 7 | \$51,200.00 |
| 0170 | 682-6120 | 1790.000 | LF | \$10.83493 | CONDUIT, RIGID, 2 IN | \$19,394.52 |
| 0175 | 687-1000 | 1.000 | LS | \$32,900.00000 | TRAFFIC SIGNAL TIMING - 0010334 | \$32,900.00 |
| 0179 | 935-8000 | 1.000 | LS | \$3,200.00000 | TESTING | \$3,200.00 |
| 0180 | 937-6050 | 22.000 | EA | \$4,233.86144 | INT VIDEO DET SYS ASMBLY, TP A | \$93,144.95 |
| 0185 | 937-6150 | 7.000 | EA | \$402.84925 | PROGRAMMING MONITOR, TP A | \$2,819.94 |
| 0190 | 937-8030 | 1.000 | LS | \$2,142.00000 | TESTING - INTERSECTION VIDEO DETECTION | \$2,142.00 |
| 0195 | 937-8530 | 1.000 | LS | \$3,160.00000 | TRAINING - INTERSECTION VIDEO DETECTION | \$3,160.00 |
| SUBTOTAL FOR SIGNALS: | | | | | | \$750,883.85 |

TOTALS FOR JOB 0010334

| | |
|--|-----------------------|
| ITEMS COST: | \$1,061,613.52 |
| COST GROUP COST: | \$0.00 |
| ESTIMATED COST: | \$1,061,613.52 |
| CONTINGENCY PERCENT: | 0.00 |
| ENGINEERING AND INSPECTION: | 0.00 |
| ESTIMATED COST WITH CONTINGENCY AND E&I: | \$1,061,613.52 |

NOTICE OF LOCATION AND DESIGN APPROVAL

P. I. NUMBER# 0010334 HABERSHAM COUNTY

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: **May 7, 2015**

The proposed project is located in Habersham County, in the cities of Clarksville (1 location) and Cornelia (6 locations), in Land Districts 10 and 12. The specific locations are provided below.

The project will consist of traffic signalization upgrades, including LED vehicular signals, countdown pedestrian signal heads, ADA wheelchair ramps and crosswalk striping at all 7 locations.

Intersection Locations

1. State Route 15 and State Route 105
2. State Route 15 and Industrial Boulevard
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5. State Route 105 and State Route 385
6. State Route 105 and State Route 15/State Route 365
7. State Route 105 and Berry Street/Ellis Street

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.

Robert M. Mabry
rmabry@dot.ga.gov
Email: 4304 Toccoa Hwy
Clarkesville, GA 30523
Tele: (706) 754-9559

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 Shelby
State Program Delivery Engineer
ATTN: Anthony Tate, Project Manager
Email: atate@dot.ga.gov
600 West Peachtree Street
Atlanta, Georgia 30308
Tele: (404) 631-1769

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.