

ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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

**FILE** P.I. #522780-  
HPPNE-0084-00(027)  
GDOT District 5 - Jesup  
Ware County  
SR 38/US 84 from west of CR 88/Ruskin Rd  
To east of CR 294/Wadley Rd

**OFFICE** Design Policy & Support

**DATE** August 15, 2011

**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:**

Genetha Rice-Singleton, Program Control Administrator  
Ron Wishon, State Project Review Engineer  
Phil Copeland, State Right-of-Way Administrator  
Glenn Bowman, State Environmental Administrator  
Bobby Hilliard, State Program Delivery Engineer  
Kathy Zahul, State Traffic Engineer  
Cindy VanDyke, State Transportation Planning Administrator  
Ken Thompson, Location Bureau Chief  
Angela Robinson, Financial Management Administrator  
Andy Casey, State Roadway Design Engineer  
Jack Walker, Area Engineer - D5, A2  
Teresa Scott, District Planning & Programming Engineer  
Brad Saxon, District Preconstruction Engineer  
Karon Ivery, District Engineer  
Jeremy Busby, Project Manager  
BOARD MEMBER - 1st Congressional District

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## INTERDEPARTMENT CORRESPONDENCE

FILE HPPNE-0084-00(027) Ware County OFFICE Program Delivery  
PI# 522780  
DATE July 25, 2011

FROM  Bobby K. Hilliard, PE, State Program Delivery Engineer

TO Brent A. Story, PE, State Design Policy Engineer

SUBJECT **REQUEST FOR LOCATION AND DESIGN APPROVAL**

**Description and Project Proposal:** Project HPPNE-0084-00(027) is the widening and new location of US 84/SR 38 from approximate MP 10.80 (West of CR 88/Ruskin Rd) to approximate MP 16.80 (East of CR 294/Wadley Rd) for a total project length of 6.06 miles. Project widening begins approximately 0.975 miles west of Ruskin Road with a 65 mph speed design. The proposed typical section provides for a rural 32 foot depressed grassed median with 2 – 12 foot travel lanes in each direction and 6' inside (2' Paved) and 10' outside (6.5' Paved) shoulders. From there the project extends on existing alignment approximately 2125 feet before the alignment shifts onto new location. The new location alignment continues eastward for a distance of approximately 3400 feet to a point where the alignment begins to run parallel to the existing CSX Railroad Right of Way. The new location continues to run parallel along CSX Railroad Right of Way for an additional 2.10 miles to a point where the alignment shifts away from the CSX Railroad Right of Way. At this shift, the new location proceeds northwestward another 1.03 miles where it ties back into the existing alignment of US 84/SR 38. In this area, the typical section transitions from the rural 32 foot depressed median typical section to an urban typical section with 2 – 12 foot travel lanes in each direction, a 14 foot flush median, 4 foot bike lanes and 16 foot urban shoulders with curb and gutter and a 5 foot wide sidewalk as the design speed reduces to 45 mph. This urban section runs parallel to existing US 84/ SR 38 for approximately 2745 feet where it returns to new location and extends 2525 feet northwestward to a point parallel to the existing CSX Railroad property. The alignment continues parallel to the railroad property for a distance of 2705 feet where it shifts north to form a tie-in into the existing US 84/Wadley Road Intersection. Utilizing the existing typical section, the project continues along the existing alignment towards Waycross for approximately 700 feet where it ends just north of the US 84/Wadley Road Intersection.

**Concept Approval Date:** 11/10/1999. A revised concept was approved on 1/2/2007.

**Concept Update:**

- The proposed rural 44 foot depressed median was replaced with a rural 32 foot depressed median for the first 4 miles of the project. A Design Variance was approved on July 18, 2011.
- The proposed rural 14 foot flush median typical section was eliminated by extending the proposed urban 14 foot flush median typical section through the end of the project.
- Revised the total project length to 6.06 miles

Environmental Document: FONSI approved 7/12/2011

Public Involvement: The most recent Public Information Open House was held on February 22, 2011. Of the 120 attendees, 5 expressed support and 2 expressed conditional support of the project with zero attendees in opposition. The following public officials were in attendance:

- Kenton McLaine, Clinch County Commission
- Peg Blich, Mayor of Homerville
- Keith Flesher, Homerville City Manager
- Danny Yarbrough, Waycross City Commissioner
- Jimmy Brown, Ware County Board of Commissioners
- Barry Deas, Ware County Board of Education

Other public meetings were held on 1/31/2006 and 6/26/2007.

Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the approved Concept Report and the above Concept Update.

Recommendations: Recommend that the Location and Design for the project be approved and that attached Notice be approved for advertising.

RECOMMEND:   
Director of Engineering

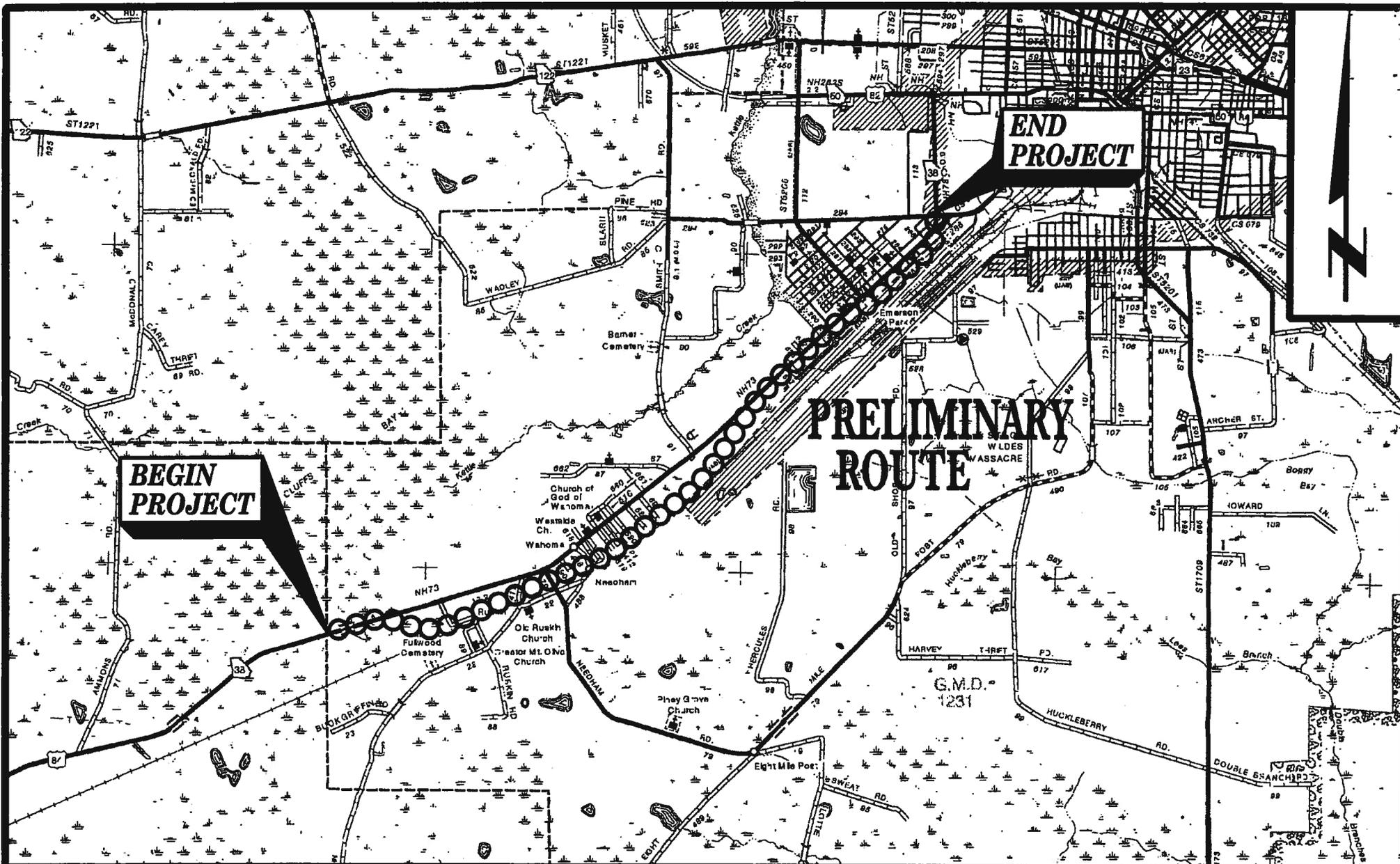
APPROVE:   
Chief Engineer

8-10-11  
Date of Approval

DATE OF LOCATION AND DESIGN APPROVAL: August 15, 2011  
(To be entered by the State Conceptual Design Group Manager)

Attachments:

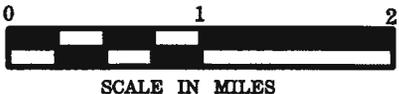
- Location Map
- Cost Estimate
- Notice of Location and Design Approval



**BEGIN PROJECT**

**END PROJECT**

**PRELIMINARY ROUTE**



**STRIP MAP**  
**HPPN-EDS-84(27)**  
**US 84SR 38 IMPROVEMENTS**  
**WARE COUNTY**  
**P.I.# 522780**

SOURCE: GENERAL HIGHWAY MAP, WARE COUNTY, GEORGIA  
 PREPARED BY THE GEORGIA DEPARTMENT OF TRANSPORTATION, 1999

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

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INTERDEPARTMENT CORRESPONDENCE

**FILE** HPPNE-0084-00(027), Ware County  
SR38/US84 from West of CR88/Ruskin Rd. to  
CR294/Wadley Rd.  
P.I. No. 522780

**OFFICE** Program Delivery

**DATE** October 8, 2010

**FROM:**  Bobby K. Hilliard, P.E., State Program Delivery Engineer

**TO :** Ronald E. Wishon, Project Review Engineer

**SUBJECT:** REVISIONS TO PROGRAMMED COSTS

**PROJECT MANAGER:** Jeremy Busby

**MGMT LET DATE:** 7/15/2015

**MGMT ROW DATE:** N/A

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

**LAST ESTIMATE UPDATE**

**CONSTRUCTION** \$17,484,815

**DATE:** 6/26/2009

**RIGHT OF WAY** \$6,878,700

**DATE:** 6/26/2009

**UTILITIES** \$0

**DATE:** N/A

**REVISED COST ESTIMATES**

**CONSTRUCTION\*** \$18,702,583

**RIGHT OF WAY** \$6,878,700

**NO CHANGE**

**UTILITIES** \$0

**NO CHANGE**

**MITIGATION** \$0

\* Costs contain 5% Engineering and Inspection and 0% Construction Contingencies and Fuel and Liquid AC Adjustments.

**REASON FOR COST INCREASE:** annual update

**CONTINGENCY SUMMARY**

|                                    |                     |   |
|------------------------------------|---------------------|---|
| <b>Construction Cost Estimate:</b> | <b>\$13,855,384</b> | <b>(Base Estimate)</b>  |
| <b>Engineering and Inspection:</b> | <b>\$692,769</b>    | <b>(Base Estimate x 5 %)</b>  |
| <b>Construction Contingency:</b>   | <b>\$0</b>          | <b>(Base Estimate x 0 %)</b><br><b>(The Construction Contingency is based on the Project Improvement Type in TPro.)</b> |
| <b>Total Fuel Adjustment</b>       | <b>\$1,606,738</b>  | <b>(From attached worksheet)</b>  |
| <b>Total Liquid AC Adjustment</b>  | <b>\$2,547,692</b>  | <b>(From attached worksheet)</b>  |
| <b>Construction Total:</b>         | <b>\$18,702,583</b> |   |
| <b>Utility Cost Estimate:</b>      | <b>\$0</b>          |   |
| <b>Utility Contingency:</b>        | <b>0%</b>           |   |
| <b>Utility Total:</b>              | <b>\$0</b>          |   |

**REIMBURSABLE UTILITY COST**

| <i>Utility Owners</i> | <i>Reimbursable Costs</i> |
|-----------------------|---------------------------|
| none                  |                           |
|                       |                           |
|                       |                           |
|                       |                           |
|                       |                           |
|                       |                           |
|                       |                           |
|                       |                           |

**Attachments**

cc:  
Genetha Rice-Singleton, Program Control Administrator

JOB ESTIMATE REPORT

JOB NUMBER : 522780- SPEC YEAR: 01  
 DESCRIPTION: SR38/US84 FROM W OF CR88/RUSKIN RD. TO CR294/WADLEY RD.

COST GROUPS FOR JOB 522780-

| COST GROUP                | DESCRIPTION                            | QUANTITY | PRICE | AMOUNT | ACTIVE? |
|---------------------------|--|----------|-------|--------|---------|
| ASPH                      | ASPHALT (TN)                           |          |       |        | Y       |
| ERTHLS                    | EARTHWORK (LS)                         |          |       |        | Y       |
| BASE                      | BASE/AGGREGATE (TN)                    |          |       |        | Y       |
| ERTHCY                    | EARTHWORK (CY)                         |          |       |        | Y       |
| TRFT                      | TRAFFIC CONTROL-TEMPORARY (LS)         |          |       |        | Y       |
| EROC                      | EROSION CONTROL (SY)                   |          |       |        | Y       |
| CONC                      | CONCRETE (SY)                          |          |       |        | Y       |
| MILL                      | MILLING (SY)                           |          |       |        | Y       |
| DRNGLF                    | DRAINAGE (LF)                          |          |       |        | Y       |
| GDRL                      | GUARDRAIL/BARRIER (LF)                 |          |       |        | Y       |
| DRNGEA                    | DRAINAGE (EA)                          |          |       |        | Y       |
| LSCP                      | LANDSCAPING (AC)                       |          |       |        | Y       |
| CURB                      | CURB & GUTTER (LF)                     |          |       |        | Y       |
| XPMK                      | OBSOLETE PAVEMENT MARKING              |          |       |        | Y       |
| CRTS                      | COUNTY ROAD TRAFFIC STRIPE             |          |       |        | Y       |
| STRO                      | STRUCTURES, OTHER (SF)                 |          |       |        | Y       |
| THSY                      | THERMO PLASTIC MARKING SQUARE YARDS    |          |       |        | Y       |
| GENR                      | GENERAL/FIELD OFFICE/ETC (LS)          |          |       |        | Y       |
| SSGN                      | SMALL ROADSIDE SIGNS                   |          |       |        | Y       |
| RPMK                      | RAISED PAVEMENT MARKING                |          |       |        | Y       |
| THSL                      | THERMO PLASTIC LINEAR PAVEMENT MARKING |          |       |        | Y       |
| MISC                      | MISCELLANEOUS (LS)                     |          |       |        | Y       |
| LSYM                      | LARGE PAVEMENT MARKING SYMBOLS         |          |       |        | Y       |
| LSGN                      | LARGE OVERHEAD AND COSTLY SIGNS        |          |       |        | Y       |
| ACTIVE COST GROUP TOTAL   |  |          |       | 0.00   |         |
| INFLATED COST GROUP TOTAL |  |          |       | 0.00   |         |

ITEMS FOR JOB 522780-

| LINE | ITEM     | ALT | UNITS | DESCRIPTION                              | QUANTITY   | PRICE     | AMOUNT     |
|------|----------|-----|-------|--|------------|-----------|------------|
| 0005 | 150-1000 |     | LS    | TRAFFIC CONTROL - HPPNE-0084-00 (027)    | 1.000      | 350000.00 | 350000.00  |
| 0010 | 150-9011 |     | HR    | TR CT-WORKZONE LAW ENF-CTR BIDS          | 80.000     | 61.75     | 4940.09    |
| 0015 | 310-5060 |     | SY    | GR AGGR BS CRS 6IN INCL MATL             | 4226.000   | 11.15     | 47145.68   |
| 0020 | 310-5100 |     | SY    | GR AGGR BS CRS 10IN INCL MATL            | 163844.000 | 19.30     | 3163129.66 |
| 0025 | 318-3000 |     | TN    | AGGR SURF CRS                            | 25.000     | 30.62     | 765.58     |
| 0030 | 402-1812 |     | TN    | RECYL AC LEVELING, INC BM&HL             | 4424.000   | 74.43     | 329289.25  |
| 0035 | 402-3121 |     | TN    | RECYL AC 25MM SP, GP1/2, BM&HL           | 41205.000  | 57.58     | 2372652.30 |
| 0040 | 402-3130 |     | TN    | RECYL AC 12.5MM SP, GP2, BM&HL           | 16439.000  | 67.19     | 1104601.34 |
| 0045 | 402-3190 |     | TN    | RECYL AC 19 MM SP, GP 1 OR 2 , INC BM&HL | 30906.000  | 65.19     | 2014808.50 |
| 0050 | 413-1000 |     | GL    | BITUM TACK COAT                          | 8848.000   | 2.69      | 23864.12   |
| 0055 | 441-0016 |     | SY    | DRIVEWAY CONCRETE, 6 IN TK               | 150.000    | 38.89     | 5834.26    |
| 0060 | 441-0104 |     | SY    | CONC SIDEWALK, 4 IN                      | 7435.000   | 26.00     | 193373.94  |

JOB ESTIMATE REPORT

|      |          |     |   |            |            |            |
|------|----------|-----|---|------------|------------|------------|
| 0065 | 441-0600 | CY  | CONC HEADWALLS                                      | 30.000     | 962.50     | 28875.00   |
| 0070 | 441-4030 | SY  | CONC VALLEY GUTTER, 8 IN                            | 150.000    | 58.87      | 8830.53    |
| 0075 | 441-6222 | LF  | CONC CURB & GUTTER/ 8"X30"TP2                       | 11152.000  | 11.16      | 124536.73  |
| 0080 | 634-1200 | EA  | RIGHT OF WAY MARKERS                                | 271.000    | 82.45      | 22343.95   |
| 0085 | 641-1200 | LF  | GUARDRAIL, TP W                                     | 1374.000   | 15.54      | 21359.08   |
| 0090 | 641-5001 | EA  | GUARDRAIL ANCHORAGE, TP 1                           | 11.000     | 621.76     | 6839.39    |
| 0095 | 641-5012 | EA  | GUARDRAIL ANCHORAGE, TP 12                          | 11.000     | 1803.14    | 19834.57   |
| 0100 | 201-1500 | LS  | CLEARING & GRUBBING -<br>HPPNE-0084-00 (027)        | 1.000      | 1220000.00 | 1220000.00 |
| 0114 | 208-0100 | CY  | IN PLACE EMBANKMENT                                 | 250000.000 | 5.84       | 1461172.50 |
| 0115 | 550-1180 | LF  | STM DR PIPE 18",H 1-10                              | 300.000    | 27.68      | 8306.96    |
| 0120 | 550-1240 | LF  | STM DR PIPE 24",H 1-10                              | 6500.000   | 31.75      | 206375.78  |
| 0125 | 550-1300 | LF  | STM DR PIPE 30",H 1-10                              | 400.000    | 46.00      | 18400.17   |
| 0130 | 550-1360 | LF  | STM DR PIPE 36",H 1-10                              | 300.000    | 52.41      | 15723.93   |
| 0135 | 550-1420 | LF  | STM DR PIPE 42",H 1-10                              | 300.000    | 52.03      | 15611.96   |
| 0140 | 550-2180 | LF  | SIDE DR PIPE 18",H 1-10                             | 4000.000   | 20.57      | 82282.76   |
| 0145 | 550-2240 | LF  | SIDE DR PIPE 24",H 1-10                             | 2400.000   | 22.84      | 54819.70   |
| 0150 | 550-4218 | EA  | FLARED END SECT 18 IN, ST DR                        | 10.000     | 706.65     | 7066.58    |
| 0155 | 550-4224 | EA  | FLARED END SECT 24 IN, ST DR                        | 86.000     | 624.37     | 53695.92   |
| 0160 | 550-4236 | EA  | FLARED END SECT 36 IN, ST DR                        | 2.000      | 993.13     | 1986.27    |
| 0165 | 550-4242 | EA  | FLARED END SECT 42 IN, ST DR                        | 4.000      | 956.76     | 3827.07    |
| 0170 | 668-1100 | EA  | CATCH BASIN, GP 1                                   | 40.000     | 1987.17    | 79487.02   |
| 0175 | 668-2100 | EA  | DROP INLET, GP 1                                    | 43.000     | 1925.16    | 82782.29   |
| 0180 | 668-5000 | EA  | JUNCTION BOX  | 6.000      | 1608.18    | 9649.10    |
| 0185 | 632-0003 | EA  | CHANGEABLE MESS SIGN,PORT,TP 3                      | 2.000      | 9202.78    | 18405.56   |
| 0190 | 636-1020 | SF  | HWY SGN,TP1MAT,REFL SH TP3                          | 92.000     | 14.16      | 1302.76    |
| 0195 | 636-1029 | SF  | HWY SGN,TP2 MATL,REFL SH TP 3                       | 364.000    | 15.45      | 5624.19    |
| 0200 | 636-2080 | LF  | GALV STEEL POSTS, TP 8                              | 8.000      | 9.20       | 73.61      |
| 0205 | 652-0100 | EA  | PAVEMENT MARKING,RR-HWY X SYM                       | 2.000      | 175.00     | 350.00     |
| 0210 | 653-1501 | LF  | THERMO SOLID TRAF ST 5 IN, WHI                      | 59136.000  | 0.26       | 15375.95   |
| 0215 | 653-1502 | LF  | THERMO SOLID TRAF ST, 5 IN YEL                      | 59136.000  | 0.22       | 13592.41   |
| 0220 | 653-1704 | LF  | THERM SOLID TRAF STRIPE,24",WH                      | 300.000    | 3.68       | 1104.87    |
| 0225 | 653-1804 | LF  | THERM SOLID TRAF STRIPE, 8",WH                      | 800.000    | 1.71       | 1375.81    |
| 0230 | 653-4501 | GLM | THERMO SKIP TRAF ST, 5 IN, WHI                      | 11.000     | 743.18     | 8175.05    |
| 0235 | 653-6004 | SY  | THERM TRAF STRIPING, WHITE                          | 300.000    | 2.99       | 897.29     |
| 0240 | 653-6006 | SY  | THERM TRAF STRIPING, YELLOW                         | 300.000    | 2.94       | 883.23     |
| 0245 | 654-1003 | EA  | RAISED PVMT MARKERS TP 3                            | 739.000    | 3.07       | 2272.61    |
| 0250 | 656-0050 | LF  | REM EX SLD TRF STRIPE, 5",THER                      | 2000.000   | 0.47       | 958.02     |
| 0255 | 500-3101 | CY  | CLASS A CONCRETE                                    | 220.000    | 461.18     | 101459.84  |
| 0260 | 511-1000 | LB  | BAR REINF STEEL                                     | 15000.000  | 0.70       | 10600.20   |
| 0265 | 163-0232 | AC  | TEMPORARY GRASSING                                  | 96.000     | 103.77     | 9962.11    |
| 0270 | 163-0240 | TN  | MULCH   | 72.000     | 218.69     | 15746.25   |
| 0275 | 163-0300 | EA  | CONSTRUCTION EXIT                                   | 6.000      | 1302.75    | 7816.50    |
| 0280 | 163-0501 | EA  | CONSTR AND REMOVE SILT CONTROL GATE,TP<br>1         | 6.000      | 501.92     | 3011.53    |
| 0285 | 163-0522 | EA  | CONSTR AND REM TEMP DCH CK - TP A SLT<br>FN         | 40.000     | 75.22      | 3009.09    |
| 0290 | 163-0530 | LF  | CONSTR AND REMOVE BALED STRW EROSION<br>CHK         | 1000.000   | 4.18       | 4183.16    |
| 0295 | 163-0531 | EA  | CONSTR & REM SEDIMENT BASIN,TP 1,STA<br>NO- SEVERAL | 40.000     | 7314.20    | 292568.33  |
| 0300 | 163-0550 | EA  | CONS & REM INLET SEDIMENT TRAP                      | 90.000     | 179.37     | 16143.99   |
| 0305 | 171-0010 | LF  | TEMPORARY SILT FENCE, TYPE A                        | 3000.000   | 2.50       | 7516.53    |
| 0310 | 171-0030 | LF  | TEMPORARY SILT FENCE, TYPE C                        | 800.000    | 3.55       | 2840.58    |

## JOB ESTIMATE REPORT

|      |          |    |   |          |          |          |
|------|----------|----|---|----------|----------|----------|
| 0315 | 165-0010 | LF | MAINT OF TEMP SILT FENCE, TP A              | 3000.000 | 0.91     | 2750.04  |
| 0320 | 165-0030 | LF | MAINT OF TEMP SILT FENCE, TP C              | 800.000  | 0.88     | 706.69   |
| 0325 | 165-0040 | EA | MAINT OF EROSION CTRL CHKDAMS/DITCH<br>CHKS | 40.000   | 37.94    | 1517.82  |
| 0330 | 700-6910 | AC | PERMANENT GRASSING                          | 96.000   | 508.19   | 48786.35 |
| 0335 | 700-7000 | TN | AGRICULTURAL LIME                           | 100.000  | 46.18    | 4618.94  |
| 0340 | 700-8000 | TN | FERTILIZER MIXED GRADE                      | 58.000   | 466.85   | 27077.81 |
| 0345 | 700-8100 | LB | FERTILIZER NITROGEN CONTENT                 | 29.000   | 3.53     | 102.50   |
| 0350 | 432-5010 | SY | MILL ASPH CONC PVMT,VARB DEPTH              | 1000.000 | 4.49     | 4493.42  |
| 0375 | 153-1300 | EA | FIELD ENGINEERS OFFICE TP 3                 | 1.000    | 55869.29 | 55869.29 |

ITEM TOTAL

13855384.33

INFLATED ITEM TOTAL

13855384.33

TOTALS FOR JOB 522780-

ESTIMATED COST:

13855384.31

CONTINGENCY PERCENT ( 0.0 ):

0.00

ESTIMATED TOTAL:

13855384.31

PROJ. NO.

HPPNE-0084-00(027)

CALL NO.

9/29/2009

P.I. NO.

522780

DATE

10/8/2010

INDEX (TYPE)

REG. UNLEADED

| DATE   | INDEX    |
|--------|----------|
| Sep-10 | \$ 2.532 |

DIESEL

\$ 2.881

LIQUID AC

\$ 453.00

Link to Fuel and AC Index:

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

**LIQUID AC ADJUSTMENTS**

PA=[((APM-APL)/APL)-0.05]xTMTxAPL

**Asphalt**

Price Adjustment (PA)

\$ 2,527,033.32

\$ 2,527,033.32

Monthly Asphalt Cement Price month placed (APM)

Max. Cap 125%

\$ 1,019.25

Monthly Asphalt Cement Price month project let (APL)

\$ 453.00

Total Monthly Tonnage of asphalt cement (TMT)

4648.7

| ASPHALT   | Tons         | %AC  | AC ton        |
|-----------|--------------|------|---------------|
| Leveling  | 4424         | 5.0% | 221.2         |
| 12.5 OGFC |              | 5.0% | 0             |
| 12.5 mm   | 16439        | 5.0% | 821.95        |
| 9.5 mm SP |              | 5.0% | 0             |
| 25 mm SP  | 41205        | 5.0% | 2060.25       |
| 19 mm SP  | 30906        | 5.0% | 1545.3        |
|           | <b>92974</b> |      | <b>4648.7</b> |

**BITUMINOUS TACK COAT**

Price Adjustment (PA)

\$ 20,658.46

\$ 20,658.46

Monthly Asphalt Cement Price month placed (APM)

Max. Cap 125%

\$ 1,019.25

Monthly Asphalt Cement Price month project let (APL)

\$ 453.00

Total Monthly Tonnage of asphalt cement (TMT)

38.00305296

Bitum Tack

| Gals | gals/ton | tons      |
|------|----------|-----------|
| 8848 | 232.8234 | 38.003053 |

PROJ. NO.

HPPNE-0084-00(027)

CALL NO.

9/29/2009

P.I. NO.

522780

DATE

10/8/2010

**BITUMINOUS TACK COAT (surface treatment)**

Price Adjustment (PA)

\$ - \$ -

Monthly Asphalt Cement Price month placed (APM)

Max. Cap 125%

\$ 1,019.25

Monthly Asphalt Cement Price month project let (APL)

\$ 453.00

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    |
|                    |    |         |      |          | 0    |

**TOTAL LIQUID AC ADJUSTMENT**

**\$ 2,547,691.78**

PROJ. NO.

HPPNE-0084-00(027)

CALL NO.

9/29/2009

P.I. NO.

522780

DATE

10/8/2010

**FUEL ADJUSTMENTS - ROADWAY**

FPA = (((FPM-FPL)/FPL)-.10)xQxF)FPL

|  |          |        | REGULAR       |                 | TOTALS |              |
|--|----------|--------|---------------|-----------------|--------|--------------|
|  |          |        | UNLEADED      | DIESEL          |        |              |
| <b>GRADED AGGREGATE BASE (Section 310)</b>               |          |        |               |                 |        |              |
| Fuel Price Adjustment (FPA)                              |          |        | \$ 72,350.08  | \$ 99,473.02    | \$     | 171,823.10   |
| Monthly Fuel Price for month work was accomplished (FPM) | Max. Cap | 125%   | \$ 5.697      | \$ 6.482        |        |              |
| Monthly Fuel Price for month when project was let (FPL)  |          |        | \$ 2.532      | \$ 2.881        |        |              |
| Quantity Placed (Q)                                      | Ton      | 103530 |               |                 |        |              |
| Fuel Usage Factor (F)                                    |          |        | 0.24          | 0.29            |        |              |
| <b>ASPHALT (Sections 400 and 402)</b>                    |          |        |               |                 |        |              |
| Fuel Price Adjustment (FPA)                              |          |        | \$ 192,212.40 | \$ 893,306.74   | \$     | 1,085,519.15 |
| Monthly Fuel Price for month work was accomplished (FPM) | Max. Cap | 125%   | \$ 5.697      | \$ 6.482        |        |              |
| Monthly Fuel Price for month when project was let (FPL)  |          |        | \$ 2.532      | \$ 2.881        |        |              |
| Quantity Placed (Q)                                      | Ton      | 92974  |               |                 |        |              |
| Fuel Usage Factor (F)                                    |          |        | 0.71          | 2.90            |        |              |
| <b>EARTHWORK (Section 205 and 206)</b>                   |          |        |               |                 |        |              |
| Fuel Price Adjustment (FPA)                              |          |        | \$ 109,192.50 | \$ 240,203.38   | \$     | 349,395.88   |
| Monthly Fuel Price for month work was accomplished (FPM) | Max. Cap | 125%   | \$ 5.697      | \$ 6.482        |        |              |
| Monthly Fuel Price for month when project was let (FPL)  |          |        | \$ 2.532      | \$ 2.881        |        |              |
| Quantity Placed (Q)                                      | Cy       | 250000 |               |                 |        |              |
| Fuel Usage Factor (F)                                    |          |        | 0.15          | 0.29            |        |              |
| <b>CONCRETE PAVEMENT (Section 430)</b>                   |          |        |               |                 |        |              |
| Fuel Price Adjustment (FPA)                              |          |        | \$ -          | \$ -            | \$     | -            |
| Monthly Fuel Price for month work was accomplished (FPM) | Max. Cap | 125%   | \$ 5.697      | \$ 6.482        |        |              |
| Monthly Fuel Price for month when project was let (FPL)  |          |        | \$ 2.532      | \$ 2.881        |        |              |
| Quantity Placed (Q)                                      | Sy       |        |               |                 |        |              |
| Fuel Usage Factor (F)                                    |          |        | 0.20          | 0.25            |        |              |
| <b>TOTAL ROADWAY FUEL ADJUSTMENTS</b>                    |          |        | \$ 373,754.98 | \$ 1,232,983.14 | \$     | 1,606,738.12 |

PROJ. NO.  
P.I. NO.  
DATE

|                    |
|--------------------|
| HPPNE-0084-00(027) |
| 522780             |
| 10/8/2010          |

CALL NO.

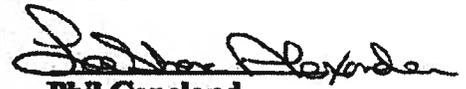
9/29/2009

**FUEL ADJUSTMENTS - BRIDGE**

$FPA = (((FPM-FPL)/FPL) \cdot .10) \times (Q \times F / 1000) \times FPL$

|  |                        |                  |                  |                  |                  | REGULAR<br>UNLEADED   | DIESEL          | TOTALS          |
|--|------------------------|------------------|------------------|------------------|------------------|---|-----------------|-----------------|
| Fuel Price Adjustment (FPA)                              |                        |                  |                  |                  |                  | \$ -  | \$ -            | \$ -            |
| Monthly Fuel Price for month work was accomplished (FPM) |                        | 125%             |                  |                  |                  | \$ 5.697  | \$ 6.482        |                 |
| Monthly Fuel Price for month when project was let (FPL)  |                        |                  |                  |                  |                  | \$ 2.532  | \$ 2.881        |                 |
| Quantity Placed (Q)                                      |                        | Cost \$ -        |                  |                  |                  |   |                 |                 |
| Fuel Usage Factor (F)                                    |                        |                  |                  |                  |                  | 1.5   | 8               |                 |
| Section  |                        | Bridge 1<br>Cost | Bridge 2<br>Cost | Bridge 3<br>Cost | Bridge 4<br>Cost |   |                 |                 |
| 211  | Bridge Excavation      |                  |                  |                  |                  |   |                 |                 |
| 500  | Superstr Conc Cl AA    |                  |                  |                  |                  |   |                 |                 |
| 500  | Class A Concrete       |                  |                  |                  |                  |   |                 |                 |
| 500  | Class AA Concrete      |                  |                  |                  |                  | Use when bridge items haven't been established. Assumes 80% of the estimated bridge cost will qualify for fuel adjustments. |                 |                 |
| 500  | Concrete Handrail      |                  |                  |                  |                  |   |                 |                 |
| 500  | Concrete Barrier       |                  |                  |                  |                  |   |                 |                 |
| 501  | Structural Steel       |                  |                  |                  |                  |   |                 |                 |
| 507  | Prestressed Conc Beams |                  |                  |                  |                  | EST. BRIDGE COST  | % COST w/ADJ.   |                 |
| 507  | Prestressed Conc Beams |                  |                  |                  |                  |   | 80%             |                 |
| 507  | Prestressed Conc Beams |                  |                  |                  |                  | COST  | \$ -            |                 |
| 511  | Super Reinforcement    |                  |                  |                  |                  |   |                 |                 |
| 511  | Bar Reinf Steel        |                  |                  |                  |                  |   |                 |                 |
| 520  | Piling                 |                  |                  |                  |                  |   |                 |                 |
| 520  | Piling                 |                  |                  |                  |                  |   |                 |                 |
| 524  | Drilled Caisson        |                  |                  |                  |                  |   |                 |                 |
| 547  | Pile Encasement        |                  |                  |                  |                  |   |                 |                 |
| 547  | Pile Encasement        |                  |                  |                  |                  |   |                 |                 |
|  |                        | \$ -             | \$ -             | \$ -             | \$ -             |   |                 |                 |
| <b>TOTAL BRIDGE FUEL ADJUSTMENTS</b>                     |                        |                  |                  |                  |                  | \$ -  | \$ -            | \$ -            |
| <b>TOTAL FUEL ADJUSTMENT (ROADWAY AND BRIDGE)</b>        |                        |                  |                  |                  |                  | \$ 373,754.98   | \$ 1,232,983.14 | \$ 1,606,738.12 |

# Preliminary Right of Way Cost Estimate



**Phil Copeland**  
 Right of Way Administrator  
 By: LaShone Alexander

**Date:** August 9, 2010  
**Project:** EDS-84(27)Ware UPDATED  
**Existing/Required R/W:** Varies/Varies  
**Project Termini:** SR 38 /US 84 from west of Ruskin Rd. to Wadley  
**Project Description:** SR 38/US 84 Widening and Improvement

**P.I. Number:** 522780  
**No. Parcels:** 109

|  |    |                                    |                  |
|--|----|------------------------------------|------------------|
| <b>Land:</b> Residential ( Small tracts ) 50.5 acres @ \$ 4,500/acre                           | \$ | 227,250                            |                  |
| Timberland ( Large tracts ) 73.0 acres @ \$ 1,800/acre   |    | <u>131,400</u>                     | \$ 358,650       |
| <br>   |    |                                    |                  |
| <b>Improvements :</b> houses, mobile homes, business, outbuildings,<br>misc. site improvements |    |                                    | 1,200,000        |
| <br>   |    |                                    |                  |
| <b>Relocation:</b>   |    |                                    |                  |
| Residential (29)   |    |                                    |                  |
| Commercial (1)   |    |                                    | 1,185,000        |
| <br>   |    |                                    |                  |
| <b>Damage :</b> Cost to Cure (0)   |    |                                    |                  |
| Proximity (2)  |    |                                    |                  |
| Uneconomic Remnants  |    |                                    | <u>30,000</u>    |
|  |    |                                    |                  |
|  |    | <b>Net Cost</b>                    | \$ 2,773,650     |
| <br>   |    |                                    |                  |
|  |    | <b>Net Cost</b>                    | \$ 2,773,650     |
|  |    | <b>Scheduling Contingency 55 %</b> | 1,525,494        |
|  |    | <b>Adm/Court Cost 60</b>           | <u>2,751,494</u> |
|  |    |                                    | \$ 6,878,638     |

**Total Cost \$6,878,700**

Note: This update is based upon estimate by Consultant dated 9/13.06 and the accuracy of the estimate is the sole responsibility of the Preparer.

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

## NOTICE OF LOCATION AND DESIGN APPROVAL

**HPPNE-0084-00(027) WARE COUNTY**

**P.I. Number: 522780**

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: *August 15, 2011*

Project HPPNE-0084-00(027) is the widening and new location of US 84/SR 38 from approximate MP 10.80 (West of CR 88/Ruskin Rd) to approximate MP 16.80 (East of CR 294/Wadley Rd) for a total project length of 6.06 miles. Project widening begins approximately 0.975 miles west of Ruskin Road with a 65 mph speed design. The proposed typical section provides for a rural 32 foot depressed grassed median with 2 – 12 foot travel lanes in each direction and 6' inside (2' Paved) and 10' outside (6.5' Paved) shoulders. From there the project extends on existing alignment approximately 2125 feet before the alignment shifts onto new location. The new location alignment continues eastward for a distance of approximately 3400 feet to a point where the alignment begins to run parallel to the existing CSX Railroad Right of Way. The new location continues to run parallel along CSX Railroad Right of Way for an additional 2.10 miles to a point where the alignment shifts away from the CSX Railroad Right of Way. At this shift, the new location proceeds northwestward another 1.03 miles where it ties back into the existing alignment of US 84/SR 38. In this area, the typical section transitions from the rural 32 foot depressed median typical section to an urban typical section with 2 – 12 foot travel lanes in each direction, a 14 foot flush median, 4 foot bike lanes and 16 foot urban shoulders with curb and gutter and a 5 foot wide sidewalk as the design speed reduces to 45 mph. This urban section runs parallel to existing US 84/SR 38 for approximately 2745 feet where it returns to new location and extends 2525 feet northwestward to a point parallel to the existing CSX Railroad property. The alignment continues parallel to the railroad property for a distance of 2705 feet where it shifts north to form a tie-in into the existing US 84/Wadley Road Intersection. Utilizing the existing typical section, the project continues along the existing alignment towards Waycross for approximately 700 feet where it ends just north of the US 84/Wadley Road Intersection. The project is within Land Lot #201, #214, #215, #245, #246, #262, #263, #264, #287, #288, #289 & #290 within Land District #8 in Ware County.

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:

Jack Walker, Area Engineer  
[jacwalker@dot.ga.gov](mailto:jacwalker@dot.ga.gov)  
104 N. Nichols Street, Waycross, GA 31501  
912-285-6009

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:

Bobby Hilliard  
Office of Program Delivery  
[bhilliard@dot.ga.gov](mailto:bhilliard@dot.ga.gov)  
600 West Peachtree Street, Atlanta, GA 30308  
404-631-1930

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.