**ORIGINAL TO GENERAL FILES**

# DEPARTMENT OF TRANSPORTATION
# STATE OF GEORGIA

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 322400- & 322405-, Coweta County
STP-164-1(39) & STP-164-1(48)
SR 34 Bypass

**OFFICE** Preconstruction

**DATE** September 11, 2006

**FROM** Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO** SEE DISTRIBUTION

**SUBJECT APPROVED NOTICE OF LOCATION AND DESIGN**

Attached for your further handling is the approved Location and Design Report for the above subject project

Also attached is the Notice of Location and Design Approval. This is the authorization for the District to proceed with advertisement

Attachment

DISTRIBUTION:

Brian Summers
Harvey Keepler
Ken Thompson
Michael Henry
Keith Golden
Joe Palladi
Paul Liles
Thomas Howell
BOARD MEMBER

# DEPARTMENT OF TRANSPORTION
## STATE OF GEORGIA

## INTERDEPARTMENT CORRESPONDENCE

**FILE:** STP-164-1(39) & STP-164-1(48), Coweta County **OFFICE:** Atlanta, Georgia
P.I. No's. 322400 & 322405
SR 34 Bypass **DATE:** September 7, 2006

**FROM:** M. Babs Abubakari, P.E., State Consultant Design/Program Delivery Engineer

**TO:** Genetha Rice-Singleton, Assistant Director of Preconstruction

**SUBJECT:** Request for Location and Design Approval

**Description and Project Proposal:** These projects consist of widening the SR 34 Bypass from a two lane roadway to a four lane divided roadway with a raised median which varies from 20' to 32'. Project STP-164-1(39) will begin at SR 16 and continue easterly to Jefferson Parkway, and Project STP-164-1(48) continues from Jefferson Parkway easterly to SR 34. Bike lanes will be provided on both sides of the SR 34 Bypass for the entire length of the project, with sidewalk on both sides only from US 29 to SR 34. Included in these projects is the replacement of a bridge spanning the CSX railroad.

**Concept Approval Date:** The Concept Report was approved on March 10, 1994 and Revised on April 19, 2005.

**Concept Update:** Since the revised concept report dated April 19, 2006 bike lanes have been added on both sides of the SR 34 Bypass. The project length remains 4.12 miles.

**Environmental Reassessment Approval Date:** The NEPA document (Categorical Exclusion) was approved on October 9, 1997. The environmental reevaluation was approved on April 18, 2006

**Public Hearing Results:** A Public Information Open House was held on February 13, 2006. A total of 68 people attended the meeting. From those attending, 5 comment forms, 0 letters, and 0 verbal statements were received. An additional 1 comment was received during the ten day comment period following the hearing for a total of 6 comments. There were 0 opposed, 6 in support and 0 uncommited/conditional. The major concerns were driveway locations, access relative to the proposed raised median, and bike/foot traffic. Officials attending were George M. Alexander (Newnan City Council), George Bradshaw (Newnan City Council), and Richard A. Bolin (Newnan City Manager).

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

**Recommendations:** The Office of Consultant Design/Program Delivery recommends that the project be approved and that the attached Notice be approved for advertising.

RECOMMEND: _____
Todd I. Long, P.E., Director of Preconstruction

APPROVE: _____ 9/11/06
David E. Studstill, Jr., P.E., Chief Engineer Date of Approval

Attachments: Sketch Map
Cost Estimate
Notice of Location and Design Approval

# NOTICE OF LOCATION AND DESIGN APPROVAL

***STP-164-1(39) & STP-164-1(48), Coweta County***
***P.I. No. 322400 & 322405***

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

The date of location approval is SEPTEMBER 11, 2006

These projects consist of widening the SR 34 Bypass from a two lane roadway to a four lane divided roadway with a raised median which varies from 20' to 32'. Project STP-164-1(39) will begin at SR 16 and continue easterly to Jefferson Parkway, and Project STP-164-1(48) continues from Jefferson Parkway easterly to SR 34. Bike lanes will be provided on both sides of the SR 34 Bypass for the entire length of the project, with sidewalk on both sides only from US 29 to SR 34. Included in these projects is the replacement of a bridge spanning the CSX railroad.

The entire project is located in Land District 5, Land Lots 53, 54, 59, 60, 69-76, and GMD 646, 755. The project is located approximately 60% within the City of Newnan in Coweta County. This project is in English Units.

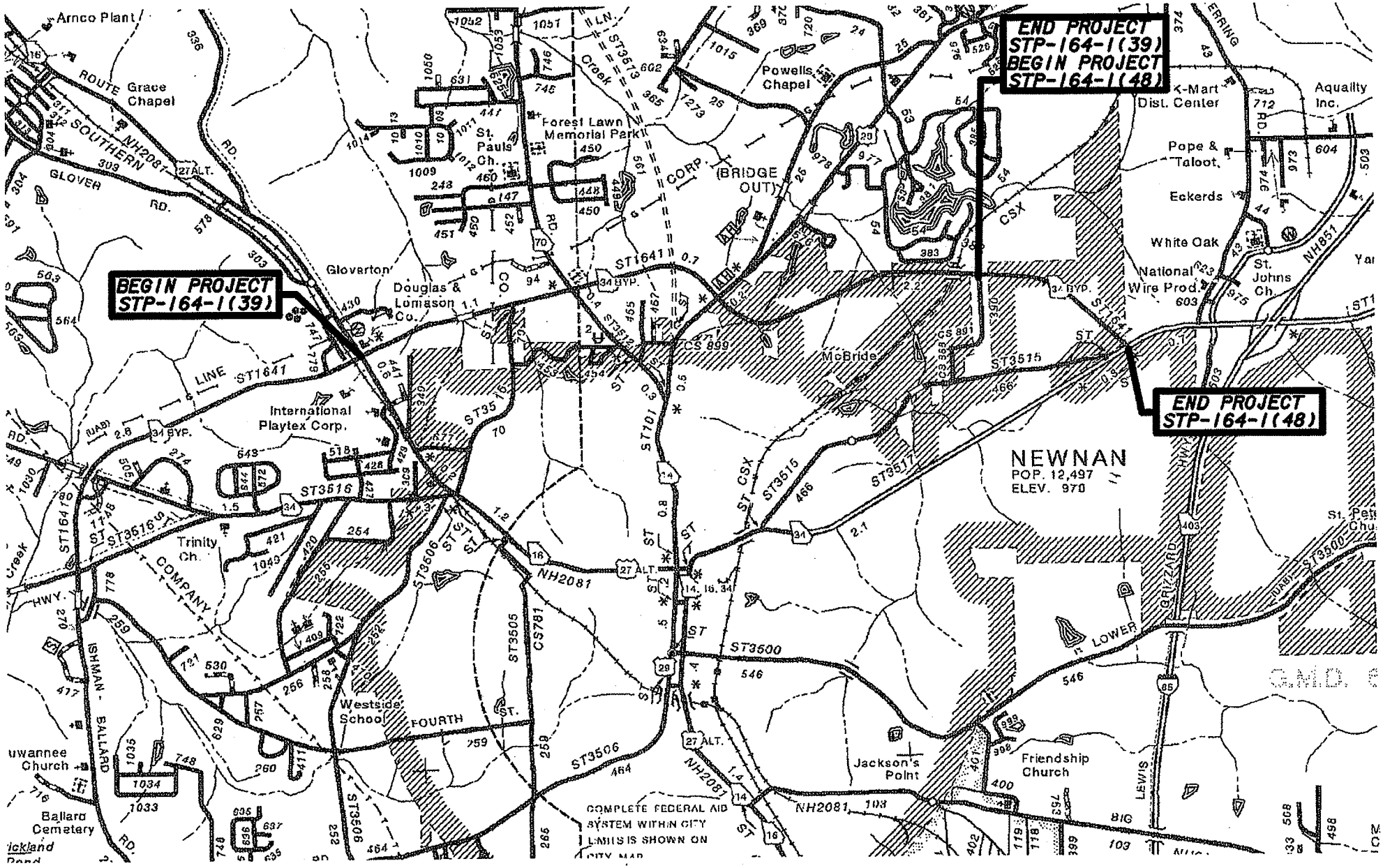
Drawings, maps, or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Havard Seldon, Area Engineer
Georgia Department of Transportation
Area 6, District 3
1107 Hogansville Road
LaGrange, GA 30241
havard.seldon@dot.state.ga.us
(706) 845-4115

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:

M. Babs Abubakari, P.E.
State Consultant Design & Program Delivery Engineer
Georgia Department of Transportation
No. 2 Capitol Square, S.W. Room 433
Atlanta, GA 30334
babs.abubakari@dot.state.ga.us
(404) 463-6133

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.


END PROJECT
STP-164-1(39)
BEGIN PROJECT
STP-164-1(48)
BEGIN PROJECT
STP-164-1(39)
END PROJECT
STP-164-1(48)
NEWNAN
POP. 12,497
ELEV. 970
Arnco Plant
Grace Chapel
Forest Lawn Memorial Park
St. Pauls Ch.
Powells Chapel
K-Mart Dist. Center
Aquality Inc.
Pope & Taloot
Eckerds
White Oak
National Wire Prod.
St. Johns Ch.
Gloverton
Douglas & Lomason Co.
International Playtex Corp.
Trinity Ch.
Westside School
Jackson's Point
Friendship Church
Ballard Cemetery
COMPLETE FEDERAL AID SYSTEM WITHIN CITY LIMITS IS SHOWN ON CITY MAP

SR 34 Bypass Widening
STP-164-1(39)
322400

| ITEM NO. | DESCRIPTION | UNIT | QUANTITY | UNIT PRICE | EXTENSION |
|---|---|---|---|---|---|
| | **ROADWAY** | | | | |
| 150-1000 | TRAFFIC CONTROL -STP-164-1(39) | LS | LUMP | $ 1,020,000.00 | $ 1,020,000.00 |
| 153-1300 | FIELD ENGINEERS OFFICE TP 3 | EA | 1 | $ 63,087.76 | $ 63,087.76 |
| 201-1500 | CLEARING & GRUBBING -STP-164-1(39) | LS | LUMP | $ 364,000.00 | $ 364,000.00 |
| 205-0001 | UNCLASS EXCAV | CY | 115681 | $ 3.43 | $ 396,785.14 |
| 206-0002 | BORROW EXCAV, INCL MATL | CY | 314400 | $ 5.23 | $ 1,644,312.00 |
| 207-0203 | FOUND BKFILL MATL, TP II | CY | 2000 | $ 42.88 | $ 85,760.00 |
| 310-1101 | GR AGGR BASE CRS, INCL MATL | TN | 105400 | $ 16.12 | $ 1,699,048.00 |
| 318-3000 | AGGR SURF CRS | TN | 8500 | $ 17.21 | $ 146,285.00 |
| 402-1812 | RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME | TN | 5040 | $ 85.00 | $ 428,400.00 |
| 402-3121 | RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM | TN | 64800 | $ 85.00 | $ 5,508,000.00 |
| 402-3130 | RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM | TN | 16800 | $ 85.00 | $ 1,428,000.00 |
| 402-3190 | RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM | TN | 22400 | $ 85.00 | $ 1,904,000.00 |
| 413-1000 | BITUM TACK COAT | GL | 21300 | $ 2.00 | $ 42,600.00 |
| 441-0016 | DRIVEWAY CONCRETE, 6 IN TK | SY | 2000 | $ 29.57 | $ 59,140.00 |
| 441-0104 | CONC SIDEWALK, 4 IN | SY | 12000 | $ 28.98 | $ 347,760.00 |
| 441-0301 | CONC SPILLWAY, TP 1 | EA | 8 | $ 1,745.02 | $ 13,960.16 |
| 441-0303 | CONC SPILLWAY, TP 3 | EA | 8 | $ 1,680.81 | $ 13,446.48 |
| 441-3999 | CONCRETE V GUTTER | LF | 500 | $ 17.51 | $ 8,755.00 |
| 441-0740 | CONCRETE MEDIAN, 4 IN | SY | 20500 | $ 29.30 | $ 600,650.00 |
| 441-4020 | CONC VALLEY GUTTER, 6 IN | SY | 2200 | $ 31.66 | $ 69,652.00 |
| 441-4030 | CONC VALLEY GUTTER, 8 IN | SY | 1400 | $ 49.35 | $ 69,090.00 |
| 441-6222 | CONC CURB & GUTTER, 8 IN X 30 IN, TP 2 | LF | 22000 | $ 15.06 | $ 331,320.00 |
| 441-6740 | CONC CURB & GUTTER, 8 IN X 30 IN, TP 7 | LF | 32800 | $ 13.39 | $ 439,192.00 |
| 500-3101 | CLASS A CONCRETE | CY | 520 | $ 487.18 | $ 253,333.60 |
| 500-3200 | CLASS B CONCRETE | CY | 543 | $ 392.41 | $ 212,933.29 |
| 500-9999 | CLASS B CONC, BASE OR PVMT WIDENING | CY | 1500 | $ 188.02 | $ 282,030.00 |
| 511-1000 | BAR REINF STEEL | LB | 56700 | $ 0.79 | $ 44,793.00 |
| 550-1180 | STORM DRAIN PIPE, 18 IN, H 1-10 | LF | 10489 | $ 34.81 | $ 365,122.09 |
| 550-1240 | STORM DRAIN PIPE, 24 IN, H 1-10 | LF | 2811 | $ 44.46 | $ 124,977.06 |
| 550-1300 | STORM DRAIN PIPE, 30 IN, H 1-10 | LF | 1418 | $ 58.92 | $ 83,548.56 |
| 550-1360 | STORM DRAIN PIPE, 36 IN, H 1-10 | LF | 631 | $ 74.95 | $ 47,293.45 |
| 550-1420 | STORM DRAIN PIPE, 42 IN, H 1-10 | LF | 125 | $ 104.88 | $ 13,110.00 |
| 550-1480 | STORM DRAIN PIPE, 48 IN, H 1-10 | LF | 286 | $ 113.39 | $ 32,429.54 |
| 550-1540 | STORM DRAIN PIPE, 54 IN, H 1-10 | LF | 212 | $ 154.81 | $ 32,819.72 |
| 550-4218 | FLARED END SECTION 18 IN, STORM DRAIN | EA | 20 | $ 550.05 | $ 11,001.00 |
| 550-4224 | FLARED END SECTION 24 IN, STORM DRAIN | EA | 20 | $ 602.97 | $ 12,059.40 |
| 550-4230 | FLARED END SECTION 30 IN, STORM DRAIN | EA | 2 | $ 687.77 | $ 1,375.54 |
| 550-4236 | FLARED END SECTION 36 IN, STORM DRAIN | EA | 2 | $ 927.36 | $ 1,854.72 |
| 550-4242 | FLARED END SECTION 42 IN, STORM DRAIN | EA | 4 | $ 1,260.94 | $ 5,043.76 |
| 573-2006 | UNDDR PIPE INCL DRAINAGE AGGR, 6 IN | LF | 200 | $ 14.33 | $ 2,866.00 |
| 603-2182 | STN DUMPED RIP RAP, TP 3, 24 IN | SY | 480 | $ 44.44 | $ 21,331.20 |
| 603-7000 | PLASTIC FILTER FABRIC | SY | 480 | $ 4.60 | $ 2,208.00 |
| 610-9099 | REM WINGWALLS & PARAPETS, STA - | LS | LUMP | $ 10,000.00 | $ 10,000.00 |
| 622-1033 | PRECAST CONCRETE MEDIAN BARRIER, METHOD 3 | LF | 2500 | $ 21.53 | $ 53,825.00 |
| 634-1200 | RIGHT OF WAY MARKER | EA | 180 | $ 93.53 | $ 16,835.40 |
| 641-1200 | GUARDRAIL, TP W | LF | 7062 | $ 15.89 | $ 112,215.18 |
| 641-5001 | GUARDRAIL ANCHORAGE, TP 1 | EA | 11 | $ 545.40 | $ 5,999.40 |
| 641-5012 | GUARDRAIL ANCHORAGE, TP 12 | EA | 11 | $ 1,755.17 | $ 19,306.87 |
| 668-1100 | CATCH BASIN, GP 1 | EA | 111 | $ 1,824.57 | $ 202,527.27 |
| 668-2100 | DROP INLET, GP 1 | EA | 13 | $ 3,340.20 | $ 43,422.60 |
| 668-4300 | STORM SEWER MANHOLE, TP 1 | EA | 20 | $ 1,895.28 | $ 37,905.60 |
| 668-5000 | JUNCTION BOX | EA | 2 | $ 1,820.21 | $ 3,640.42 |
| 668-6000 | SPRING BOX | EA | 2 | $ 1,494.11 | $ 2,988.22 |
| | **PERMANENT EROSION CONTROL** | | | | |
| 700-6910 | PERMANENT GRASSING | AC | 33 | $ 813.92 | $ 26,859.36 |
| 700-7000 | AGRICULTURAL LIME | TN | 66 | $ 58.51 | $ 3,861.66 |
| 700-7010 | LIQUID LIME | GL | 83 | $ 16.52 | $ 1,371.16 |
| 700-8000 | FERTILIZER MIXED GRADE | TN | 34 | $ 297.32 | $ 10,108.88 |
| 700-8100 | FERTILIZER NITROGEN CONTENT | LB | 1700 | $ 1.68 | $ 2,856.00 |
| 716-2000 | EROSION CONTROL MATS, SLOPES | SY | 60700 | $ 1.01 | $ 61,307.00 |
| | **TEMPORARY EROSION CONTROL** | | | | |
| 163-0232 | TEMPORARY GRASSING | AC | 17 | $ 502.26 | $ 8,538.42 |
| 163-0240 | MULCH | TN | 900 | $ 201.11 | $ 180,999.00 |
| 163-0300 | CONSTRUCTION EXIT | EA | 12 | $ 1,404.85 | $ 16,858.20 |
| 163-0503 | CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3 | EA | 14 | $ 513.61 | $ 7,190.54 |
| 163-0521 | CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS | EA | 40 | $ 216.24 | $ 8,649.60 |
| 163-0530 | CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK | LF | 21600 | $ 2.96 | $ 63,936.00 |
| 163-0531 | CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - | EA | 3 | $ 9,114.00 | $ 27,342.00 |
| 163-0550 | CONSTRUCT AND REMOVE INLET SEDIMENT TRAP | EA | 180 | $ 291.96 | $ 52,552.80 |
| 165-0010 | MAINTENANCE OF TEMPORARY SILT FENCE, TP A | LF | 9500 | $ 1.13 | $ 10,735.00 |
| 165-0030 | MAINTENANCE OF TEMPORARY SILT FENCE, TP C | LF | 1900 | $ 1.01 | $ 1,919.00 |
| 165-0040 | MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS | EA | 40 | $ 87.42 | $ 3,496.80 |
| 165-0060 | MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO - | EA | 3 | $ 766.82 | $ 2,300.46 |
| 165-0070 | MAINTENANCE OF BALED STRAW EROSION CHECK | LF | 10800 | $ 1.62 | $ 17,496.00 |
| 165-0087 | MAINTENANCE OF SILT CONTROL GATE, TP 3 | EA | 14 | $ 183.45 | $ 2,568.30 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 165-0101 | MAINTENANCE OF CONSTRUCTION EXIT | EA | 12 | $ | 458.80 | $ | 5,505.60 |
| 165-0105 | MAINTENANCE OF INLET SEDIMENT TRAP | EA | 180 | $ | 87.03 | $ | 15,665.40 |
| 167-1000 | WATER QUALITY MONITORING AND SAMPLING | EA | 2 | $ | 1,085.22 | $ | 2,170.44 |
| 167-1500 | WATER QUALITY INSPECTIONS | MO | 30 | $ | 801.56 | $ | 24,046.80 |
| 171-0010 | TEMPORARY SILT FENCE, TYPE A | LF | 19000 | $ | 1.97 | $ | 37,430.00 |
| 171-0030 | TEMPORARY SILT FENCE, TYPE C | LF | 3800 | $ | 3.22 | $ | 12,236.00 |
| | **SIGNING AND MARKING** | | | | | | |
| 636-1020 | HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3 | SF | 846 | $ | 14.81 | $ | 12,529.26 |
| 636-1031 | HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6 | SF | 546 | $ | 16.63 | $ | 9,079.98 |
| 636-2010 | GALV STEEL POSTS, TP 1 | LF | 96 | $ | 7.21 | $ | 692.16 |
| 636-2070 | GALV STEEL POSTS, TP 7 | LF | 2002 | $ | 7.07 | $ | 14,154.14 |
| 636-2080 | GALV STEEL POSTS, TP 8 | LF | 200 | $ | 8.50 | $ | 1,701.70 |
| 636-2090 | GALV STEEL POSTS, TP 9 | LF | 100 | $ | 6.43 | $ | 643.64 |
| 636-3010 | GROUND-MOUNTED BREAKAWAY SIGN SUPPORT | EA | 6 | $ | 386.96 | $ | 2,321.76 |
| 647-1000 | TRAFFIC SIGNAL INSTALLATION NO -1-6 | LS | LUMP | $ | 480,000.00 | $ | 480,000.00 |
| 653-0120 | THERMOPLASTIC PVMT MARKING, ARROW, TP 2 | EA | 416 | $ | 62.10 | $ | 25,833.60 |
| 653-0210 | THERMOPLASTIC PVMT MARKING, WORD, TP 1 | EA | 20 | $ | 100.89 | $ | 2,017.80 |
| 653-1704 | THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE | LF | 1800 | $ | 3.70 | $ | 6,660.00 |
| 653-1804 | THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE | LF | 7200 | $ | 1.84 | $ | 13,248.00 |
| 653-2501 | THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE | LM | 7 | $ | 1,126.88 | $ | 7,888.16 |
| 653-2502 | THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW | LM | 7 | $ | 1,215.26 | $ | 8,506.82 |
| 653-4501 | THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE | GLM | 7 | $ | 674.42 | $ | 4,720.94 |
| 653-6004 | THERMOPLASTIC TRAF STRIPING, WHITE | SY | 41000 | $ | 2.67 | $ | 109,470.00 |
| 653-6006 | THERMOPLASTIC TRAF STRIPING, YELLOW | SY | 41000 | $ | 2.84 | $ | 116,440.00 |
| 654-1001 | RAISED PVMT MARKERS TP 1 | EA | 900 | $ | 3.94 | $ | 3,546.00 |
| | **MISCELLANEOUS** | | | | | | |
| | BRIDGE | SF | 16356 | $ | 70.00 | $ | 1,144,920.00 |

| | | |
|---|---|---|
| **SUB-TOTAL ROADWAY:** | $ | 21,314,413.82 |
| **10% Contingencies** | $ | 2,131,441.38 |
| **TOTAL:** | **$** | **23,445,855.20** |

SR 34 Bypass Widening
STP-164-1(48)
322405

| ITEM NO. | DESCRIPTION | UNIT | QUANTITY | UNIT PRICE | EXTENSION |
|---|---|---|---|---|---|
| | **ROADWAY** | | | | |
| 150-1000 | TRAFFIC CONTROL -STP-164-1(48) | LS | LUMP | $ 199,500.00 | $ 199,500.00 |
| 201-1500 | CLEARING & GRUBBING -STP-164-1(48) | LS | LUMP | $ 88,944.35 | $ 88,944.35 |
| 205-0001 | UNCLASS EXCAV | CY | 28920 | $ 3.43 | $ 99,196.29 |
| 206-0002 | BORROW EXCAV, INCL MATL | CY | 78600 | $ 5.23 | $ 411,078.00 |
| 207-0203 | FOUND BKFILL MATL, TP II | CY | 150 | $ 42.88 | $ 6,432.00 |
| 310-1101 | GR AGGR BASE CRS, INCL MATL | TN | 20700 | $ 16.12 | $ 333,684.00 |
| 318-3000 | AGGR SURF CRS | TN | 1800 | $ 17.21 | $ 30,978.00 |
| 402-1812 | RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME | TN | 1260 | $ 85.00 | $ 107,100.00 |
| 402-3121 | RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM | TN | 12200 | $ 85.00 | $ 1,037,000.00 |
| 402-3130 | RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM | TN | 3500 | $ 85.00 | $ 297,500.00 |
| 402-3190 | RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM | TN | 4700 | $ 85.00 | $ 399,500.00 |
| 413-1000 | BITUM TACK COAT | GL | 4300 | $ 2.00 | $ 8,600.00 |
| 441-0016 | DRIVEWAY CONCRETE, 6 IN TK | SY | 200 | $ 29.57 | $ 5,914.00 |
| 441-0104 | CONC SIDEWALK, 4 IN | SY | 3800 | $ 28.98 | $ 110,124.00 |
| 441-0301 | CONC SPILLWAY, TP 1 | EA | 2 | $ 1,745.02 | $ 3,490.04 |
| 441-0303 | CONC SPILLWAY, TP 3 | EA | 2 | $ 1,680.81 | $ 3,361.62 |
| 441-0740 | CONCRETE MEDIAN, 4 IN | SY | 2900 | $ 29.30 | $ 84,970.00 |
| 441-4020 | CONC VALLEY GUTTER, 6 IN | SY | 350 | $ 31.66 | $ 11,081.00 |
| 441-4030 | CONC VALLEY GUTTER, 8 IN | SY | 350 | $ 49.35 | $ 17,272.50 |
| 441-6222 | CONC CURB & GUTTER, 8 IN X 30 IN, TP 2 | LF | 9900 | $ 15.06 | $ 149,094.00 |
| 441-6740 | CONC CURB & GUTTER, 8 IN X 30 IN, TP 7 | LF | 6200 | $ 13.39 | $ 83,018.00 |
| 500-9999 | CLASS B CONC, BASE OR PVMT WIDENING | CY | 250 | $ 188.02 | $ 47,005.00 |
| 500-3101 | CLASS A CONCRETE | CY | 0 | $ 487.18 | $ - |
| 511-1000 | BAR REINF STEEL | LB | 0 | $ 0.79 | $ - |
| 550-1180 | STORM DRAIN PIPE, 18 IN, H 1-10 | LF | 2294 | $ 34.81 | $ 79,854.14 |
| 550-1240 | STORM DRAIN PIPE, 24 IN, H 1-10 | LF | 1572 | $ 44.46 | $ 69,891.12 |
| 550-1300 | STORM DRAIN PIPE, 30 IN, H 1-10 | LF | 262 | $ 58.92 | $ 15,437.04 |
| 550-1360 | STORM DRAIN PIPE, 36 IN, H 1-10 | LF | 447 | $ 74.95 | $ 33,502.65 |
| 550-1480 | STORM DRAIN PIPE, 48 IN, H 1-10 | LF | 73 | $ 113.39 | $ 8,277.47 |
| 550-4218 | FLARED END SECTION 18 IN, STORM DRAIN | EA | 2 | $ 550.05 | $ 1,100.10 |
| 550-4224 | FLARED END SECTION 24 IN, STORM DRAIN | EA | 2 | $ 602.97 | $ 1,205.94 |
| 550-4230 | FLARED END SECTION 30 IN, STORM DRAIN | EA | 2 | $ 687.77 | $ 1,375.54 |
| 550-4236 | FLARED END SECTION 36 IN, STORM DRAIN | EA | 1 | $ 927.36 | $ 927.36 |
| 573-2006 | UNDDR PIPE INCL DRAINAGE AGGR, 6 IN | LF | 100 | $ 14.33 | $ 1,433.00 |
| 603-2182 | STN DUMPED RIP RAP, TP 3, 24 IN | SY | 100 | $ 44.44 | $ 4,444.00 |
| 603-7000 | PLASTIC FILTER FABRIC | SY | 100 | $ 4.60 | $ 460.00 |
| 668-1100 | CATCH BASIN, GP 1 | EA | 35 | $ 1,824.57 | $ 63,859.95 |
| 668-2100 | DROP INLET, GP 1 | EA | 7 | $ 3,340.20 | $ 23,381.40 |
| 668-4300 | STORM SEWER MANHOLE, TP 1 | EA | 5 | $ 1,895.28 | $ 9,476.40 |
| | **PERMANENT EROSION CONTROL** | | | | |
| 700-6910 | PERMANENT GRASSING | AC | 7 | $ 813.92 | $ 5,697.44 |
| 700-7000 | AGRICULTURAL LIME | TN | 14 | $ 58.51 | $ 819.14 |
| 700-7010 | LIQUID LIME | GL | 18 | $ 16.52 | $ 297.36 |
| 700-8000 | FERTILIZER MIXED GRADE | TN | 8 | $ 297.32 | $ 2,378.56 |
| 700-8100 | FERTILIZER NITROGEN CONTENT | LB | 400 | $ 1.68 | $ 672.00 |
| 716-2000 | EROSION CONTROL MATS, SLOPES | SY | 9700 | $ 1.01 | $ 9,797.00 |
| | **TEMPORARY EROSION CONTROL** | | | | |
| 163-0232 | TEMPORARY GRASSING | AC | 4 | $ 502.26 | $ 2,009.04 |
| 163-0240 | MULCH | TN | 160 | $ 201.11 | $ 32,177.60 |
| 163-0300 | CONSTRUCTION EXIT | EA | 2 | $ 1,404.85 | $ 2,809.70 |
| 163-0503 | CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3 | EA | 2 | $ 513.61 | $ 1,027.22 |
| 163-0521 | CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS | EA | 4 | $ 216.24 | $ 864.96 |
| 163-0530 | CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK | LF | 700 | $ 2.96 | $ 2,072.00 |
| 163-0550 | CONSTRUCT AND REMOVE INLET SEDIMENT TRAP | EA | 40 | $ 291.96 | $ 11,678.40 |
| 165-0010 | MAINTENANCE OF TEMPORARY SILT FENCE, TP A | LF | 3700 | $ 1.13 | $ 4,181.00 |
| 165-0030 | MAINTENANCE OF TEMPORARY SILT FENCE, TP C | LF | 400 | $ 1.01 | $ 404.00 |
| 165-0040 | MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS | EA | 4 | $ 87.42 | $ 349.68 |
| 165-0070 | MAINTENANCE OF BALED STRAW EROSION CHECK | LF | 400 | $ 1.62 | $ 648.00 |
| 165-0087 | MAINTENANCE OF SILT CONTROL GATE, TP 3 | EA | 2 | $ 183.45 | $ 366.90 |
| 165-0101 | MAINTENANCE OF CONSTRUCTION EXIT | EA | 2 | $ 458.80 | $ 917.60 |
| 165-0105 | MAINTENANCE OF INLET SEDIMENT TRAP | EA | 40 | $ 87.03 | $ 3,481.20 |
| 167-1000 | WATER QUALITY MONITORING AND SAMPLING | EA | 2 | $ 1,085.22 | $ 2,170.44 |
| 167-1500 | WATER QUALITY INSPECTIONS | MO | 30 | $ 801.56 | $ 24,046.80 |
| 171-0010 | TEMPORARY SILT FENCE, TYPE A | LF | 7400 | $ 1.97 | $ 14,578.00 |
| 171-0030 | TEMPORARY SILT FENCE, TYPE C | LF | 800 | $ 3.22 | $ 2,576.00 |
| | **SIGNING AND MARKING** | | | | |
| 636-1020 | HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3 | SF | 405 | $ 14.81 | $ 5,998.05 |
| 636-1031 | HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6 | SF | 171 | $ 16.63 | $ 2,843.73 |
| 636-2010 | GALV STEEL POSTS, TP 1 | LF | 24 | $ 7.21 | $ 173.04 |
| 636-2070 | GALV STEEL POSTS, TP 7 | LF | 819 | $ 7.07 | $ 5,790.33 |
| 636-2080 | GALV STEEL POSTS, TP 8 | LF | 82 | $ 8.50 | $ 696.15 |
| 636-2090 | GALV STEEL POSTS, TP 9 | LF | 41 | $ 6.43 | $ 263.31 |
| 636-3010 | GROUND-MOUNTED BREAKAWAY SIGN SUPPORT | EA | 4 | $ 386.96 | $ 1,547.84 |

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|---|---|---|---|---|---|---|---|
| 647-1000 | TRAFFIC SIGNAL INSTALLATION NO -7-8 | LS | LUMP | $ | 170,000.00 | $ | 170,000.00 |
| 653-0120 | THERMOPLASTIC PVMT MARKING, ARROW, TP 2 | EA | 64 | $ | 62.10 | $ | 3,974.40 |
| 653-0210 | THERMOPLASTIC PVMT MARKING, WORD, TP 1 | EA | 8 | $ | 100.89 | $ | 807.12 |
| 653-1704 | THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE | LF | 350 | $ | 3.70 | $ | 1,295.00 |
| 653-1804 | THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE | LF | 1400 | $ | 1.84 | $ | 2,576.00 |
| 653-2501 | THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE | LM | 2 | $ | 1,126.88 | $ | 2,253.76 |
| 653-2502 | THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW | LM | 2 | $ | 1,215.26 | $ | 2,430.52 |
| 653-4501 | THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE | GLM | 2 | $ | 674.42 | $ | 1,348.84 |
| 653-6004 | THERMOPLASTIC TRAF STRIPING, WHITE | SY | 5700 | $ | 2.67 | $ | 15,219.00 |
| 653-6006 | THERMOPLASTIC TRAF STRIPING, YELLOW | SY | 5700 | $ | 2.84 | $ | 16,188.00 |
| 654-1001 | RAISED PVMT MARKERS TP 1 | EA | 175 | $ | 3.94 | $ | 689.50 |
| | | | | | **SUB-TOTAL ROADWAY:** | $ | 4,209,583.54 |
| | | | | | **10% Contingencies** | $ | 420,958.35 |
| | | | | | **TOTAL:** | **$** | **4,630,541.89** |