

ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 141880-, Forsyth County **OFFICE** Preconstruction  
STP00-2348-00(003)  
Bethelview Road Widening **DATE** October 9, 2008

**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  
Angela Alexander  
Paul Liles  
Brent Story  
Russell McMurry  
BOARD MEMBER

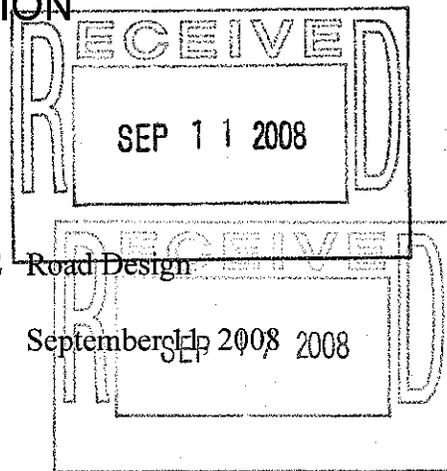
DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** STP00-2348-00(003)  
Forsyth County  
P. I. No. 141880

**OFFICE** Road Design

**DATE** September 11, 2008



**FROM**   
Brent A. Story, P.E., State Road Design Engineer

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

**SUBJECT** Request for Location and Design Approval

**Project Description:**

The proposed project is located southwest of the City of Cumming in Forsyth County. The project consists of the widening and reconstruction of Bethelview Road from SR 9/Atlanta Highway to SR 20/Canton Highway. The project includes alignment modifications to Bethelview Road and the reconfiguration and/or reconstruction of a number of existing intersections to provide adequate turn lanes and storage capacity. Bethelview Road currently consists of two 12-foot lanes with grassed shoulders of varying widths. There are turn lanes at the existing signalized intersections of SR 9, Castleberry Road, Kelly Mill Road, and SR 20. The total project length is approximately 5.93 miles.

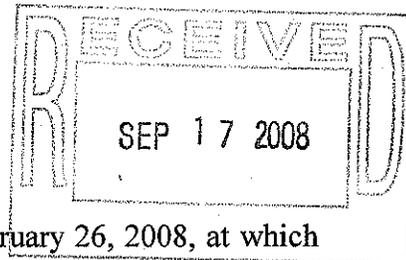
The portion of Bethelview Road from SR 9 to SR 20 will be widened and reconstructed into an urban section with 16-foot outside shoulders including curb and gutter, 5-foot sidewalks on both sides and four 12-foot lanes with a 20-foot raised median. The existing right-of way for Bethelview Road is 80 to 100 feet wide. The proposed right of way width for Bethelview Road from SR 9 to SR 20 varies from 100 to 132 feet.

**Concept Approval Date:** February 13, 2001

**Environmental Assessment/FONSI and Reassessment Approval Date:** August 26, 2008

**Public Involvement:**

- Public Hearing
  - A public hearing was held on October 6, 2003, at which 148 people were in attendance. Of the 148 attendees 17 were in opposition to the project and 40 were in support of the project while 17 were uncommitted and 24 offered conditional support.
  - Major concerns involved request for median opening at the Ashebrooke Subdivision, priority of project, desire for noise barriers, concern over the final placement of median openings and traffic signals.



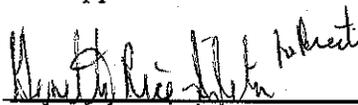
- **Public Information Open House**
  - A Public Information Open House was held on February 26, 2008, at which 179 people were in attendance. Of the 179 attendees, 6 were in opposition to the project and 26 were in support of the project while 18 were uncommitted and 29 offered conditional support.
  - Major concerns involved right-of-way issues, access during construction, the proposed median openings and traffic signal locations, request for additional turn bays or turn bay lengths, concern over congestion, truck traffic and noise in the project area.

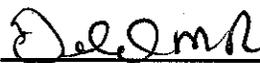
**Consistency with Approved Planning:**

The design description as presented herein and submitted for approval is consistent with the approved Concept Report and was found to conform to the Atlanta Regional Transportation Plan and the State Transportation Improvement Plan (STIP). STIP approval was granted on Sept. 26, 2007.

**Recommendations:**

The Office of Road Design recommends that the location and design for the project be approved and that the attached Notice be approved for advertising.

RECOMMEND:   
Director of Preconstruction

APPROVE:   
Chief Engineer

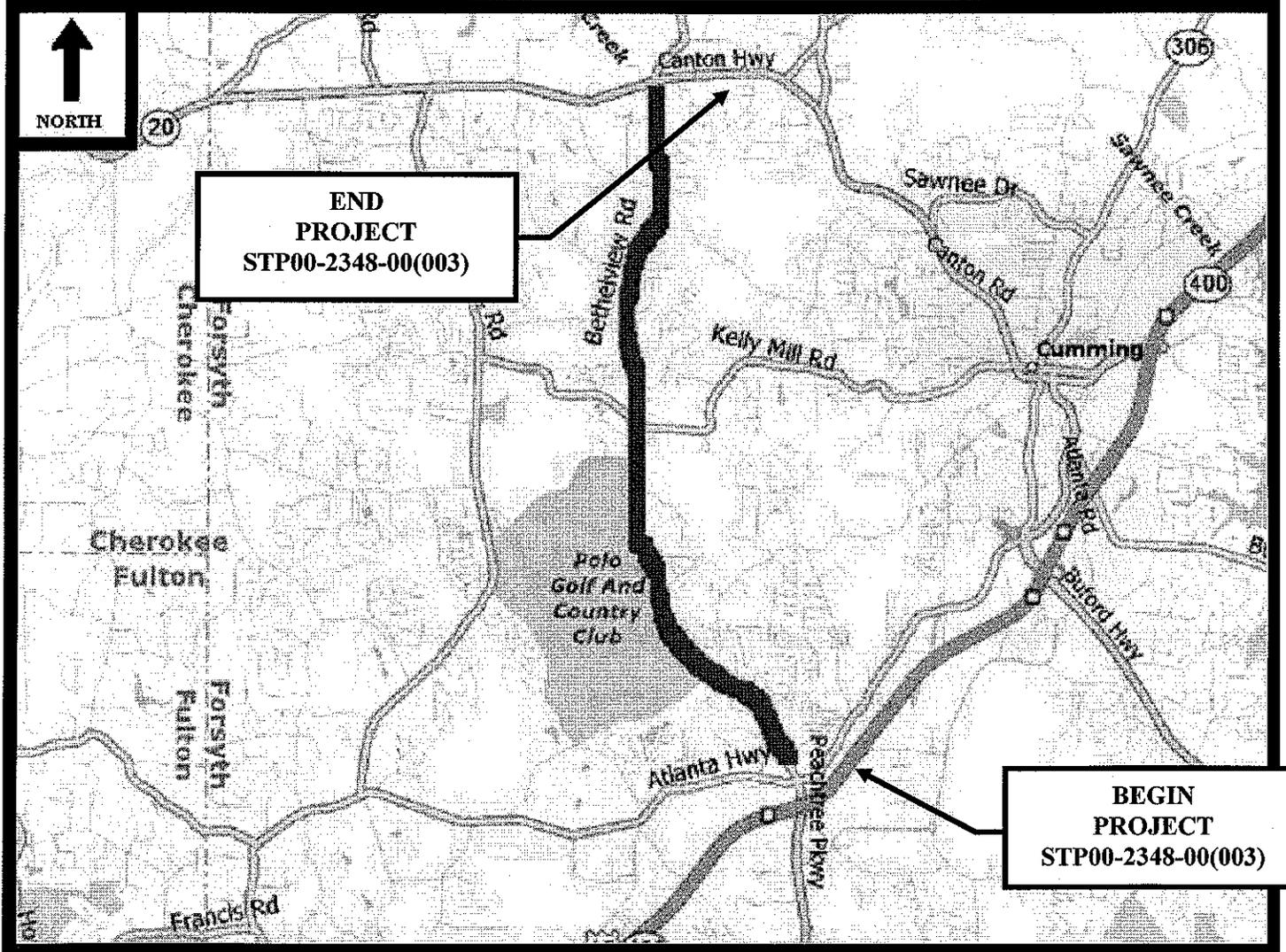
10/7/08  
Date of Approval

**Attachments:**

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

**GEORGIA DEPARTMENT OF TRANSPORTATION**  
Project: STP00-2348-00(003) Forsyth County P.I. No. 141880

Location Map



## Estimate Report for file "99512"

### Section ROADWAY

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	1700000.00	TRAFFIC CONTROL -	1700000.00
153-1300	1	EA	250000.00	FIELD ENGINEERS OFFICE TP 3	250000.00
201-1500	1	LS	1500000.00	CLEARING & GRUBBING -	1500000.00
208-0100	340504	CY	4.90	IN PLACE EMBANKMENT	1668469.60
310-5060	2106	SY	13.25	GR AGGR BASE CRS, 6 INCH, INCL MATL	27904.50
310-5120	200000	SY	21.15	GR AGGR BASE CRS, 12 INCH, INCL MATL	4230000.00
402-3121	68000	TN	63.99	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	4351320.00
402-3130	26500	TN	65.79	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	1743435.00
402-3190	34200	TN	63.21	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	2161782.00
413-1000	50500	GL	2.00	BITUM TACK COAT	101000.00
432-5010	121284	SY	2.07	MILL ASPH CONC PVMT, VARIABLE DEPTH	251057.88
433-1100	590	SY	79.86	REINF CONC APPROACH SLAB, INCL CURB	47117.40
441-0016	500	SY	42.44	DRIVEWAY CONCRETE, 6 IN TK	21220.00
441-0018	400	SY	52.55	DRIVEWAY CONCRETE, 8 IN TK	21020.00
441-0104	34850	SY	33.67	CONC SIDEWALK, 4 IN	1173399.50
441-0740	25478	SY	31.64	CONCRETE MEDIAN, 4 IN	806123.92
441-0754	492	SY	54.31	CONCRETE MEDIAN, 7 1/2 IN	26720.52
441-4020	3890	SY	44.07	CONC VALLEY GUTTER, 6 IN	171432.30
441-4030	1450	SY	53.05	CONC VALLEY GUTTER, 8 IN	76922.50
441-5002	190	LF	20.46	CONCRETE HEADER CURB, 6 IN, TP 2	3887.40
441-6012	1500	LF	32.18	CONC CURB & GUTTER, 6 IN X 24 IN, TP 2	48270.00
441-6022	66000	LF	20.70	CONC CURB & GUTTER, 6 IN X 30 IN, TP 2	1366200.00
441-6720	57000	LF	15.91	CONC CURB & GUTTER, 6 IN X 30 IN, TP 7	906870.00
441-7011	53	EA	670.00	CURB CUT WHEELCHAIR RAMP, TP A	35510.00
441-7014	501	EA	820.00	CURB CUT WHEELCHAIR RAMP, TP D	410820.00
500-3101	26	CY	600.77	CLASS A CONCRETE	15620.02
550-1180	32150	LF	45.96	STORM DRAIN PIPE, 18 IN, H 1-10	1477614.00
550-1240	4500	LF	54.17	STORM DRAIN PIPE, 24 IN, H 1-10	243765.00
550-1300	3500	LF	70.50	STORM DRAIN PIPE, 30 IN, H 1-10	246750.00
550-1360	1850	LF	86.79	STORM DRAIN PIPE, 36 IN, H 1-10	160561.50
550-1480	50	LF	127.33	STORM DRAIN PIPE, 48 IN, H 1-10	6366.50
550-4218	90	EA	672.20	FLARED END SECTION 18 IN, STORM DRAIN	60498.00
550-4224	11	EA	781.26	FLARED END SECTION 24 IN, STORM DRAIN	8593.86
550-4230	6	EA	951.12	FLARED END SECTION 30 IN, STORM DRAIN	5706.72
550-4236	2	EA	1252.70	FLARED END SECTION 36 IN, STORM DRAIN	2505.40
550-4248	1	EA	2200.00	FLARED END SECTION 48 IN, STORM DRAIN	2200.00
603-2181	700	SY	45.21	STN DUMPED RIP RAP, TP 3, 18 IN	31647.00
610-9097	2	LS	2500.00	REM WINGWALLS, STA 308+80	5000.00
611-8000	3	EA	1876.39	ADJUST CATCH BASIN TO GRADE	5629.17
611-8040	5	EA	2190.44	ADJUST DROP INLET TO GRADE	10952.20
621-6203	965	LF	714.78	CONCRETE SIDE BARRIER, TP 2-SC	689762.70
641-1100	84	LF	46.34	GUARDRAIL, TP T	3892.56
641-1200	10100	LF	16.93	GUARDRAIL, TP W	170993.00
641-5001	36	EA	634.44	GUARDRAIL ANCHORAGE, TP 1	22839.84
641-5012	28	EA	1801.20	GUARDRAIL ANCHORAGE, TP 12	50433.60
643-8200	2500	LF	2.98	BARRIER FENCE (ORANGE), 4 FT	7450.00
668-1100	350	EA	2784.43	CATCH BASIN, GP 1	974550.50
668-2100	23	EA	3987.53	DROP INLET, GP 1	91713.19
668-4300	31	EA	2550.50	STORM SEWER MANHOLE, TP 1	79065.50
<b>Section Sub Total:</b>					<b>\$27,474,592.78</b>

### Section WALLS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-3107	35	CY	720.27	CLASS A CONCRETE, RETAINING WALL	25209.45
511-1000	2450	LB	0.94	BAR REINF STEEL	2303.00
621-6201	510	LF	424.92	CONCRETE SIDE BARRIER, TP 2-SA	216709.20
621-6202	295	LF	507.64	CONCRETE SIDE BARRIER, TP 2-SB	149753.80
621-6203	160	LF	714.78	CONCRETE SIDE BARRIER, TP 2-SC	114364.80
<b>Section Sub Total:</b>					<b>\$508,340.25</b>

<b>Section BRIDGE</b>					
<b>Item Number</b>	<b>Quantity</b>	<b>Units</b>	<b>Unit Price</b>	<b>Item Description</b>	<b>Cost</b>
500-0100	1840	SY	4.19	GROOVED CONCRETE	7711.28
500-1006	385	LS	1122.40	SUPERSTR CONCRETE, CL AA, BR NO -	432572.96
500-2100	284	LF	56.44	CONCRETE BARRIER	16028.96
500-3101	44	CY	692.53	CLASS A CONCRETE	31025.34
507-9031	2130	LF	192.41	PSC BEAMS, AASHTO, BULB TEE, 63 IN, BR NO -	409833.30
511-1000	4484	LB	0.94	BAR REINF STEEL	4215.05
511-3000	77071	LS	0.94	SUPERSTR REINF STEEL, BR NO -	72447.30
516-1100	284	LF	86.39	ALUM HANDRAIL, STD 3626	24534.76
520-1147	780	LF	61.03	PILING IN PLACE, STEEL H, HP 14 X 73	47603.40
522-1000	1	Lump Sum	121892.50	SHORING	121892.50
540-1101	1	LS	125542.28	REMOVAL OF EXISTING BR, STA NO -	125542.28
603-2024	995	SY	54.20	STN DUMPED RIP RAP, TP 1, 24 IN	53929.00
603-7000	995	SY	4.71	PLASTIC FILTER FABRIC	4687.39
<b>Section Sub Total:</b>					<b>\$1,352,023.53</b>

<b>Section TEMPORARY EROSION CONTROL</b>					
<b>Item Number</b>	<b>Quantity</b>	<b>Units</b>	<b>Unit Price</b>	<b>Item Description</b>	<b>Cost</b>
163-0232	15	AC	679.69	TEMPORARY GRASSING	10195.35
163-0240	45	TN	161.07	MULCH	7248.15
163-0300	20	EA	1655.76	CONSTRUCTION EXIT	33115.20
163-0503	60	EA	529.93	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	31795.80
163-0521	300	EA	230.65	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS	69195.00
163-0530	37500	LF	4.20	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	157500.00
163-0550	400	EA	282.90	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	113160.00
165-0010	2750	LF	0.78	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	2145.00
165-0030	4500	LF	1.64	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	7380.00
165-0040	300	EA	66.20	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	19860.00
165-0070	18500	LF	1.86	MAINTENANCE OF BALED STRAW EROSION CHECK	34410.00
165-0087	60	EA	169.84	MAINTENANCE OF SILT CONTROL GATE, TP 3	10190.40
165-0101	20	EA	607.78	MAINTENANCE OF CONSTRUCTION EXIT	12155.60
165-0105	400	EA	96.97	MAINTENANCE OF INLET SEDIMENT TRAP	38788.00
167-1000	4	EA	1278.47	WATER QUALITY MONITORING AND SAMPLING	5113.88
167-1500	32	MO	944.75	WATER QUALITY INSPECTIONS	30232.00
171-0010	5500	LF	1.63	TEMPORARY SILT FENCE, TYPE A	8965.00
171-0030	9000	LF	3.83	TEMPORARY SILT FENCE, TYPE C	34470.00
<b>Section Sub Total:</b>					<b>\$625,919.38</b>

<b>Section PERMANENT EROSION CONTROL</b>					
<b>Item Number</b>	<b>Quantity</b>	<b>Units</b>	<b>Unit Price</b>	<b>Item Description</b>	<b>Cost</b>
603-2012	700	SY	41.29	STN DUMPED RIP RAP, TP 1, 12 IN	28903.00
700-6910	30	AC	1023.43	PERMANENT GRASSING	30702.90
700-7000	30	TN	59.64	AGRICULTURAL LIME	1789.20
700-7010	75	GL	22.32	LIQUID LIME	1674.00
700-8000	6	TN	292.83	FERTILIZER MIXED GRADE	1756.98
700-8100	1500	LB	2.31	FERTILIZER NITROGEN CONTENT	3465.00
702-9020	145200	SY	3.62	MULCH	525624.00
710-9000	8250	SY	4.38	PERMANENT SOIL REINFORCING MAT	36135.00
716-2000	43560	SY	1.20	EROSION CONTROL MATS, SLOPES	52272.00
<b>Section Sub Total:</b>					<b>\$682,322.08</b>

<b>Section SIGNING AND MARKING</b>					

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	345	SF	15.19	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	5240.55
636-1033	1275	SF	19.64	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	25041.00
636-2070	505	LF	8.27	GALV STEEL POSTS, TP 7	4176.35
636-2080	2695	LF	10.87	GALV STEEL POSTS, TP 8	29294.65
653-0120	321	EA	73.54	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	23606.34
653-0170	43	EA	84.44	THERMOPLASTIC PVMT MARKING, ARROW, TP 7	3630.92
653-1501	96330	LF	0.68	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	65504.40
653-1502	71310	LF	0.62	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	44212.20
653-1704	1305	LF	4.53	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	5911.65
653-1804	17850	LF	2.08	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	37128.00
653-3501	66070	GLF	0.51	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	33695.70
653-6004	4560	SY	2.85	THERMOPLASTIC TRAF STRIPING, WHITE	12996.00
653-6006	940	SY	3.19	THERMOPLASTIC TRAF STRIPING, YELLOW	2998.60
654-1001	200	EA	3.14	RAISED PVMT MARKERS TP 1	628.00
654-1003	2420	EA	3.68	RAISED PVMT MARKERS TP 3	8905.60
657-1085	420	LF	6.55	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-WHITE), TP PB	2751.00
657-3085	420	GLF	4.57	PREFORMED PLASTIC SKIP PVMT MKG, 8 IN, CONTRAST (BLACK-WHITE), TP PB	1919.40
657-6085	420	LF	6.78	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-YELLOW), TP PB	2847.60
<b>Section Sub Total:</b>					<b>\$310,487.96</b>

#### Section TRAFFIC SIGNAL INSTALLATION

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1041	307	SF	36.76	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	11285.32
639-4004	24	EA	7218.58	STRAIN POLE, TP IV	173245.92
647-1000	1	Lump Sum	62863.00	TRAFFIC SIGNAL INSTALLATION NO.5	62863.00
647-1000	1	Lump Sum	76581.00	TRAFFIC SIGNAL INSTALLATION NO.2	76581.00
647-1000	1	Lump Sum	69566.00	TRAFFIC SIGNAL INSTALLATION NO.3	69566.00
647-1000	1	Lump Sum	72685.00	TRAFFIC SIGNAL INSTALLATION NO.4	72685.00
647-1000	1	Lump Sum	72325.00	TRAFFIC SIGNAL INSTALLATION NO.6	72325.00
647-1000	1	LS	56592.00	TRAFFIC SIGNAL INSTALLATION NO .1	56592.00
682-6120	300	LF	15.26	CONDUIT, RIGID, 2 IN	4578.00
935-1113	37850	LF	2.59	OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 24 FIBER	98031.50
935-1511	1500	LF	3.26	OUTSIDE PLANT FIBER OPTIC CABLE, DROP, SINGLE MODE, 6 FIBER	4890.00
935-3201	5	EA	576.51	FIBER OPTIC CLOSURE, AERIAL (SEALED), 6 FIBER	2882.55
935-3203	9	EA	903.25	FIBER OPTIC CLOSURE, AERIAL (SEALED), 24 FIBER	8129.25
935-3401	6	EA	405.16	FIBER OPTIC CLOSURE, FDC (RACK MOUNTED), 6 FIBER	2430.96
935-4010	216	EA	39.10	FIBER OPTIC SPLICE, FUSION	8445.60
935-5050	20	EA	101.03	FIBER OPTIC PATCH CORD, SM	2020.60
935-5060	66	EA	165.36	FIBER OPTIC SNOWSHOE	10913.76
935-6562	6	EA	1882.30	EXTERNAL TRANSCEIVER, DROP AND REPEAT, 1310 SINGLE MODE, (SIGNAL JOBS)	11293.80
935-8000	1	LS	6325.47	TESTING	6325.47
<b>Section Sub Total:</b>					<b>\$755,084.73</b>

**Section CULVERT**

Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-3101	458	CY	600.77	CLASS A CONCRETE	275453.04
511-1000	66511	LB	0.94	BAR REINF STEEL	62520.34
540-1202	1	LS	1200.00	REMOVAL OF PARTS OF EXISTING BRIDGE, BR NO -	1200.00
603-2024	1150	SY	54.20	STONE DUMPED RIP RAP, TP 1, 24 IN	62330.00
<b>Section Sub Total:</b>					<b>\$401,503.38</b>

**Total Estimated Cost: \$32,110,274.10**

<del>Subtotal Construction Cost</del>	<del>\$32,110,274.10</del>
<del>E&amp;C Rate 10.0 %</del>	<del>\$3,211,027.41</del>
<del>Inflation Rate 5.0 % @ 2 Years</del>	<del>\$2,620,433.40</del>
<b>Total Construction Cost</b>	<b>\$38,941,734.91</b>
Right Of Way	\$13,109,000.00
Reimb. Utilities	\$1,482,000.00
<b>Grand Total Project Cost</b>	<b>\$53,532,734.91</b>

ENLARGING @ 5% 1,605,514  
 CONTINGENCY @ 6% 2,022,947

TOTAL CONST COST = 35,738,734  
 RIGHT-OF-WAY - 13,109,000  
 REIMB UTILITIES - 1,482,000  
 TOTAL PROJECT COST - \$50,329,734

*ARLP*  
*9/15/2008*

# NOTICE OF LOCATION AND DESIGN APPROVAL

**Project Number: STP00-2348-00(003)**

**Forsyth County**

**P. I. No. 141880**

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

The date of location approval is OCTOBER 9, 2008.

The project consists of the widening and reconstruction of Bethelview Road from SR 9/Atlanta Highway to SR 20/Canton Highway. The project includes alignment modifications to Bethelview Road and the reconfiguration and/or reconstruction of a number of existing intersections to provide adequate turn-lanes and storage capacity. Bethelview Road currently consists of two 12-foot lanes with grassed shoulders of varying widths. There are turn lanes at the existing signalized intersections of SR 9, Castleberry Road, Kelly Mill Road, and SR 20. The total project length is approximately 5.93 miles.

The portion of Bethelview Road from SR 9 to SR 20 will be widened and reconstructed into an urban section with 16-foot outside shoulders including curb and gutter, 5-foot sidewalks on both sides and four 12-foot lanes with a 20-foot raised median. The existing right-of way for Bethelview Road is 80 to 100 feet wide. The proposed right of way width for Bethelview Road from SR 9 to SR 20 varies from 100 to 132 feet.

The proposed project is located southwest of the City of Cumming in Forsyth County. The project is 100% in Forsyth County and 100% in Congressional District 9. The project is in Georgia Militia District (GMD) 879, 880, & 1413. The project is located in Land Lot No. 22, 23, 50, 51, 94, 95, 122, 123, 166, 167, 195, 238, 267, 268, 307, 308, 309, 341, 342, 343, 378, 379, 415 of the 2<sup>nd</sup> Land District of Forsyth County, as well as in Land Lot No. 922, 951, 994, 1023, 1065, 1066, 1095, 1096, 1138, 1139, 1166, 1211, 1238, 1283 of the 3<sup>rd</sup> Land District of Forsyth 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:

Hiral Patel, Area Engineer  
Georgia Department of Transportation  
2594 Gillsville Hwy.  
Gainesville, Georgia 30507  
E-mail Address: [hpatel@dot.ga.gov](mailto:hpatel@dot.ga.gov)  
Telephone: 770-535-5759

Any interested party may obtain a copy of the drawings, maps, plats or portions thereof by paying a nominal fee and submitting a written request to:

Mr. Eugene Hopkins, P.E.  
Georgia Department of Transportation  
Office of Road Design, 26<sup>TH</sup> Floor  
One Georgia Center  
600 West Peachtree St., NE  
Atlanta, Georgia 30308  
E-mail Address: [ehopkins@dot.ga.gov](mailto:ehopkins@dot.ga.gov)  
Telephone: 404-631-1642

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.