

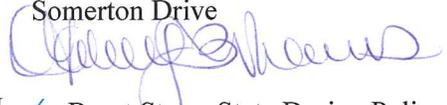
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #751770-
STP00-9108-00(004)
Clayton County
GDOT District 7 - Metro Atlanta
Battle Creek Road/Mt. Zion Boulevard
Widening from South Lake Parkway to
Somerton Drive

OFFICE Design Policy & Support

DATE 1/12/2016



FROM *for* 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:

- Hiral Patel, Director of Engineering/State Environmental Administrator
- Joe Carpenter, Director of P3/Program Delivery
- Genetha Rice-Singleton, Assistant Director of P3/Program Delivery
- Albert Shelby, State Program Delivery Engineer
- Darryl VanMeter, State Innovative Delivery Engineer
- Bobby Hilliard, Program Control Administrator
- Cindy VanDyke, State Transportation Planning Administrator
- Bill DuVall, State Bridge Engineer
- Andrew Heath, State Traffic Engineer
- Angela Robinson, Financial Management Administrator
- Lisa Myers, State Project Review Engineer
- Ed David Adams, State Safety Program Manager
- Richard Cobb, Location Bureau Chief
- Kathy Zahul, District Engineer
- Scott Lee, District Preconstruction Engineer
- Dale Ferris, Area Engineer - D7, A3
- Xavier James, Project Manager
- BOARD MEMBER - 5th and 13th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE
LOCATION AND DESIGN REPORT**

FILE P.I. No. 751770 **OFFICE** Program Delivery
Project No. STP00-9108-00(004)
Clayton County **DATE** August 18, 2015
Battle Creek Road and Mt. Zion Boulevard Widening
From Southlake Parkway to Somerton Drive

FROM Albert V. Shelby, III, State Program Delivery Engineer *Albert Shelby*

TO Brent Story, P.E., State Design Policy Engineer
Attn: Dave Peters, P.E., State Conceptual Design Group Manager

SUBJECT Request for Location and Design Approval

Description and Project Proposal: The Battle Creek Road and Mt. Zion Boulevard Widening project consists of widening Battle Creek Road (CR 1342) and Mt. Zion Boulevard (CR 28) from the existing two and four lane facilities to four 11-foot lanes with a 20-foot raised median and urban shoulders consisting of 2.5-foot curb and gutter, 2-foot grassed strip and 5-foot sidewalks. The project begins on Battle Creek Road at Southlake Parkway (Battle Creek Road M.P. 2.02) and continues to the intersection of Battle Creek Road and Mt. Zion Boulevard (Battle Creek Road M.P. 2.37, Mt. Zion Boulevard M.P. 1.32). This intersection will be realigned to provide an east-west through movement from eastbound Battle Creek Road to eastbound Mt. Zion Boulevard. The project then continues east along Mt. Zion Boulevard, crosses I-75 (Mt. Zion Boulevard M.P. 2.45) and ends at Somerton Drive (Mt. Zion Boulevard M.P. 4.45). The total project length is approximately 18,350 feet (3.48 miles). The project is located in unincorporated Clayton County in Land Lots 78, 79, 83, 84, 108, 109, 117 and 140 in Land District 12.

Project STP00-9108-00(004) will improve the Level of Service (LOS) along the roadway by adding additional through lanes along Battle Creek Road and Mt. Zion Boulevard, as well as adding additional turn lanes at major intersections. The proposed project will also improve vertical sight distance and provide for additional turn lanes and signal upgrades at intersections and will improve pedestrian facilities within the project limits by providing for an urban section with curb and gutter and 5-foot sidewalks.

Concept Approval Date: January 25, 2006

BY Revised Concepts
Concept Update: (Approved July 1, 2015) - There have been several changes to the project since the Concept Approval which required the preparation and approval of a Revised Project Concept

Report. These changes are a result of the implementation of the Value Engineering Study Alternatives approved on April 22, 2008. Travel lane widths have decreased from 12 feet to 11 feet. The outside urban shoulder width has been reduced from 16 feet to 12 feet, including curb and gutter and a 5-foot sidewalk on each side. The minimum right-of-way corridor width has been reduced from 120 feet to 96 feet to minimize or possibly eliminate impacts to adjacent property, historic resources, and/or endangered species. *No changes to the Concept are proposed in this report. (RP)*

Environmental Document: Environmental Assessment/Finding of No Significant Impact (FONSI) approved on June 4, 2015. No Reevaluations have occurred. The current environmental document is consistent with the design description for the Revised Concept Report.

Temporary State Route Needed: No Yes Undetermined

Public Involvement:

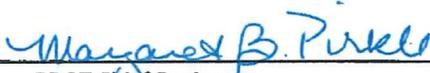
- **Public Hearing Open House Results summary:**
 - A Public Hearing Open House (PHOH) was held on October 14, 2014 from 4:00 pm to 7:00 pm at the S. Truett Cathy Professional Learning Center at 1087 Battle Creek Road, Jonesboro, Georgia 30236. The PHOH was combined with the Battle Creek Road Widening Project (P.I. No. 751775) and the Replacement of the Valley Hill Road Bridge over the Flint River project (P.I. No. 0012603).
 - 31 total comments received
 - 12 comments supporting the project (favors proposed roadway improvements, proposed sidewalks for pedestrian usage), nine comments expressing conditional support of the project, four were uncommitted, and six comments opposing the project (concern over project costs, concern due to median installation affecting access and safety, location of median openings, need for traffic signals, traffic-related concerns such as speeding and increase traffic volumes, construction impacts on travel, noise, and project-related right-of-way impacts).
 - 105 attendees with no public officials in attendance
 - No changes to the design resulted from the comments received at the public hearings
- **Public Information Open House summary:**
 - A Public Information Open House (PIOH) was held on June 7, 2005 from 5:00 p.m. to 7:00 p.m. at Jonesboro High School at 7728 Mt. Zion Boulevard, Jonesboro Georgia 30236. The PIOH was combined with the Battle Creek Road Widening Project (P.I. No. 751775).
 - 51 total comments received
 - 16 comments supporting the project (favors traffic congestion relief, proposed sidewalks for pedestrian usage, signaling intersection of Battle Creek Road at Tara Boulevard), 23 comments expressing conditional support of the project, seven were uncommitted, and five comments opposing the project (concern due to median installation affecting access and safety, location of median openings, need for traffic signals, and project-related right-of-way impacts).

- o 109 attendees with one public official in attendance
- o No changes to the design resulted from the comments received at the public hearings

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.

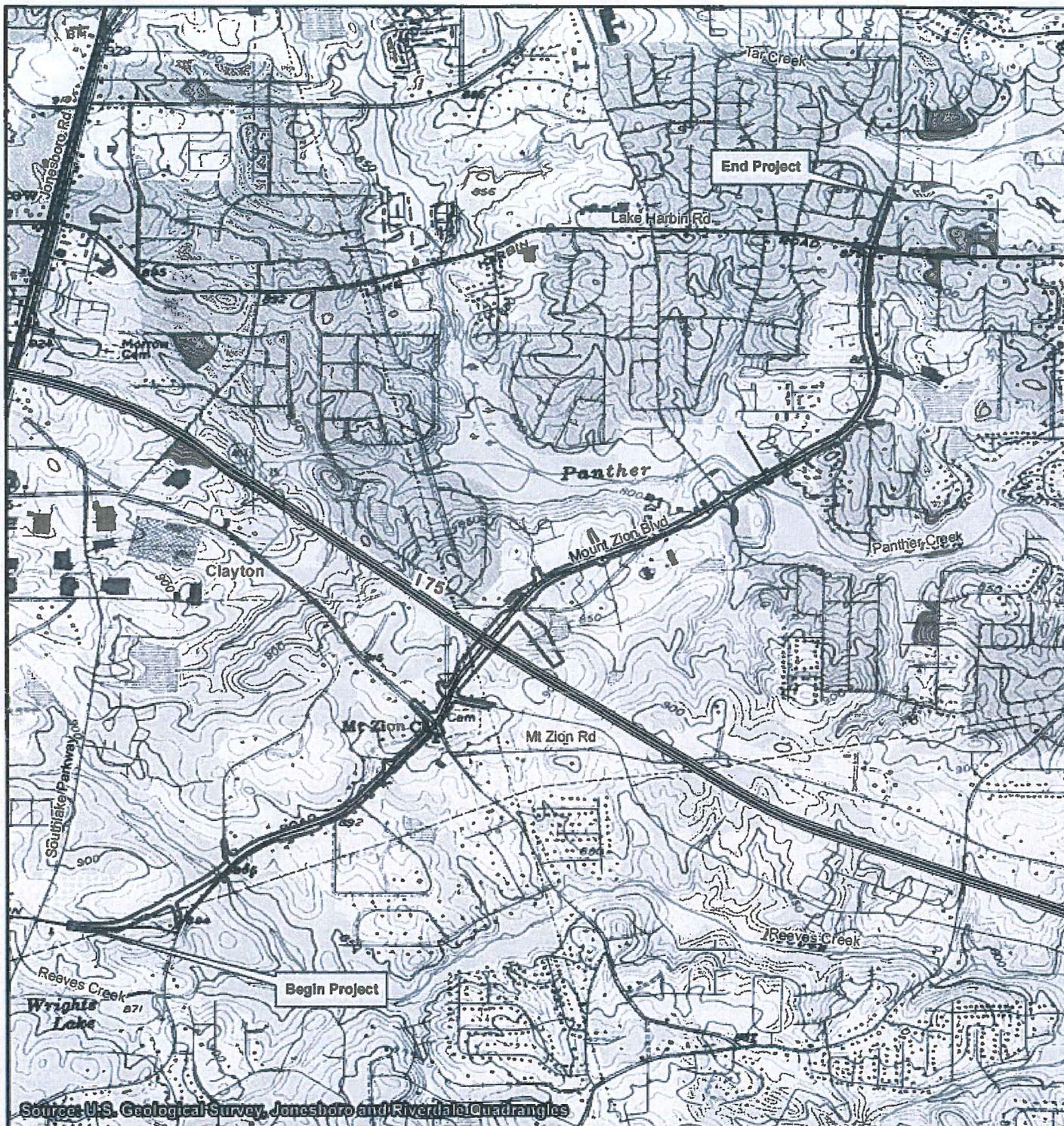
CONCUR: 
GDOT Director of Engineering

APPROVE:  9.16.15
GDOT Chief Engineer Date

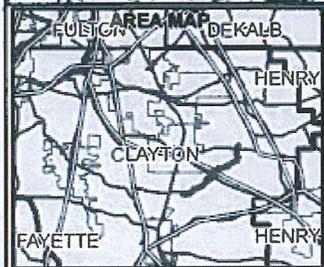
DATE OF LOCATION AND DESIGN APPROVAL: ~~SEPTEMBER 23, 2015~~
JANUARY 12, 2015 

Attachments:

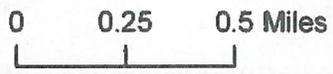
- o Sketch Map
- o Construction Cost Estimate
- o Notice of Location and Design Approval



Source: U.S. Geological Survey, Jonesboro and Riverdale Quadrangles



- LEGEND**
- Roadways
 - == Interstates
 - Project Area



Mt. Zion Boulevard and Battle Creek Road Widening from Southlake Parkway to Somerton Drive

Project Number STP00-9108-00(004)
 P.I. No. 751770
 Clayton County, Georgia



STATE HIGHWAY AGENCY

DATE : 05/20/2015

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JOB ESTIMATE REPORT

JOB NUMBER : 751770_GTN SPEC YEAR: 01
 DESCRIPTION: BATTLECREEK/MT ZION BLVD FM SOUTHLAKE PKWY TO SOMERTON DR

ITEMS FOR JOB 751770_GTN

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - 751770	1.000	400000.00	400000.00
0010	153-1300		EA	FIELD ENGINEERS OFFICE TP 3	1.000	81438.57	81438.57
0015	163-0232		AC	TEMPORARY GRASSING	22.000	457.67	10068.91
0020	163-0300		EA	CONSTRUCTION EXIT	20.000	1239.05	24781.01
0025	163-0503		EA	CONSTR AND REMOVE SILT CONTROL GATE, TP	40.000	361.48	14459.46
0030	163-0520		LF	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	1500.000	13.25	19883.79
0035	163-0527		EA	CNST/REM RIP RAP CKDM, STN P RIPRAP/SN BG	100.000	249.25	24925.49
0044	163-0529		LF	CNST/REM TEMP SED BAR OR BLD STRW CK DM	1500.000	3.86	5790.17
0045	163-0531		EA	CONSTR & REM SEDIMENT BASIN, TP 1, STA NO- 751770	6.000	11381.75	68290.54
0050	163-0550		EA	CONS & REM INLET SEDIMENT TRAP	250.000	121.67	30418.69
0055	165-0030		LF	MAINT OF TEMP SILT FENCE, TP C	5000.000	0.57	2864.10
0064	165-0041		LF	MAINT OF CHECK DAMS - ALL TYPES	100.000	2.61	261.00
0065	165-0060		EA	MAINT OF TEMP SEDIMENT BASIN, STA NO -	6.000	1457.48	8744.88
0074	165-0071		LF	MAINT OF SEDIMENT BARRIER - BALED STRAW	1500.000	0.98	1473.06
0075	165-0101		EA	MAINT OF CONST EXIT	20.000	645.71	12914.22
0080	171-0030		LF	TEMPORARY SILT FENCE, TYPE C	10000.000	2.91	29133.60
0085	205-0001		CY	UNCLASS EXCAV	75000.000	6.27	470455.50
0090	207-0203		CY	FOUND BKFILL MATL, TP II	7200.000	39.63	285395.90
0095	210-0100		LS	GRADING COMPLETE - 751770	1.000	750000.00	750000.00
0100	310-1101		TN	GR AGGR BASE CRS, INCL MATL	115300.000	16.96	1955779.71
0105	318-3000		TN	AGGR SURF CRS	1000.000	18.12	18124.09
0110	402-1812		TN	RECYL AC LEVELING, INC BM&HL	7150.000	69.04	493650.66

0115	402-3113	TN	RECYL AC 12.5MM SP,GP1/2,BM&HL	13800.000	76.67	1050182.90
0120	402-3121	TN	RECYL AC 25MM SP,GP1/2,BM&HL	36800.000	58.69	2160090.82
0125	402-3190	TN	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	36800.000	59.31	2182804.14
0130	413-1000	GL	BITUM TACK COAT	17600.000	2.48	43778.59
0135	441-0104	SY	CONC SIDEWALK, 4 IN	20600.000	22.02	453683.07
0140	441-0740	SY	CONC MEDIAN, 4 IN	19225.000	19.74	379628.77
0145	441-0754	SY	CONC MEDIAN, 7 1/2 IN	2250.000	45.13	101559.83
0150	441-4020	SY	CONC VALLEY GUTTER, 6 IN	2270.000	33.37	75750.40
0155	441-6022	LF	CONC CURB & GUTTER, 6"X30"TP2	44500.000	8.99	400193.84
0160	441-6720	LF	CONC CURB & GUTTER/ 6"X30"TP7	29815.000	12.00	357780.00
0165	500-3101	CY	CLASS A CONCRETE	320.000	539.31	172581.32
0169	500-3107	CY	CL A CONC, RET WALL	555.000	625.20	346990.45
0170	511-1000	LB	BAR REINF STEEL	47443.000	0.82	39286.60
0175	550-1180	LF	STM DR PIPE 18",H 1-10	20000.000	30.96	619281.40

STATE HIGHWAY AGENCY

DATE : 05/20/2015
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JOB ESTIMATE REPORT

0180	550-1240	LF	STM DR PIPE 24",H 1-10	4700.000	39.93	187673.82
0185	550-1300	LF	STM DR PIPE 30",H 1-10	800.000	52.78	42227.82
0190	550-1360	LF	STM DR PIPE 36",H 1-10	1000.000	65.45	65453.95
0200	550-4218	EA	FLARED END SECT 18 IN, ST DR	18.000	535.81	9644.61
0205	550-4224	EA	FLARED END SECT 24 IN, ST DR	11.000	622.23	6844.56
0210	550-4230	EA	FLARED END SECT 30 IN, ST DR	6.000	705.59	4233.59
0215	550-4236	EA	FLARED END SECT 36 IN, ST DR	6.000	1107.72	6646.37
0220	603-2018	SY	STM DUMPED RIP RAP, TP 1, 18"	1100.000	46.97	51671.94
0225	603-7000	SY	PLASTIC FILTER FABRIC	1100.000	3.62	3982.31
0230	621-4020	LF	CONCRETE SIDE BARRIER, TY 2	500.000	262.50	131250.00
0235	627-1000	SF	MSE WALL FACE, 0 - 10 FT HT, WALL NO -	6800.000	34.26	233013.90
0240	636-1020	SF	HWY SGN,TP1MAT,REFL SH TP3	2500.000	11.22	28068.55
0245	636-2070	LF	GALV STEEL POSTS, TP 7	2000.000	5.59	11198.06
0250	641-1100	LF	GUARDRAIL, TP T	85.000	57.91	4922.59
0255	641-1200	LF	GUARDRAIL, TP W	10165.000	15.29	155471.13
0260	641-5001	EA	GUARDRAIL ANCHORAGE, TP 1	23.000	843.24	19394.63
0265	641-5012	EA	GUARDRAIL ANCHORAGE, TP 12	12.000	1919.19	23030.33
0270	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 1 - BATTLE CREEK RD AT MOUNT ZION BLVD	1.000	150000.00	150000.00
0271	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 2 - MOUNT ZION BLVD AT SPRING PLACE	1.000	135000.00	135000.00
0276	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 3 - MOUNT	1.000	170000.00	170000.00

0278	647-1000	LS	ZION BLVD AT MOUNT ZION RD TRAF SIGNAL INSTALLATION NO - 4 - MOUNT	1.000	160000.00	160000.00
0279	647-1000	LS	ZION BLVD AT MOUNT ZION PKWY TRAF SIGNAL INSTALLATION NO - 5 - MOUNT	1.000	120000.00	120000.00
0280	647-1000	LS	ZION BLVD AT I-75 SB EXIT RAMP TRAF SIGNAL INSTALLATION NO - 6 - MOUNT	1.000	120000.00	120000.00
0281	647-1000	LS	ZION BLVD AT I-75 NB EXIT RAMP TRAF SIGNAL INSTALLATION NO - 7 - MOUNT	1.000	150000.00	150000.00
0286	647-1000	LS	ZION BLVD AT RICHARDSON PKWY TRAF SIGNAL INSTALLATION NO - 8 - MOUNT	1.000	150000.00	150000.00
0291	647-1000	LS	ZION BLVD AT MADDOX RD TRAF SIGNAL INSTALLATION NO - 9 - MOUNT	1.000	150000.00	150000.00
0301	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	80000.000	0.30	24578.40
0306	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	20000.000	0.39	7952.80
0311	653-3501	GLF	THERMO SKIP TRAF ST, 5 IN, WHI	40000.000	0.23	9481.20
0316	654-1003	EA	RAISED PVMT MARKERS TP 3	500.000	3.25	1626.27
0321	668-1100	EA	CATCH BASIN, GP 1	268.000	2272.74	609095.56
0326	700-6910	AC	PERMANENT GRASSING	22.000	914.25	20113.55
0331	716-2000	SY	EROSION CONTROL MATS, SLOPES	5000.000	1.02	5110.30
0341	936-1001	EA	CCTV SYSTEM, TYPE B	9.000	6300.13	56701.26

ITEM TOTAL	16124832.95
INFLATED ITEM TOTAL	16124832.95

TOTALS FOR JOB 751770 GTN

ESTIMATED COST:	16124832.98
CONTINGENCY PERCENT (0.0):	0.00
ESTIMATED TOTAL:	16124832.98

STATE HIGHWAY AGENCY

DATE : 05/20/2015
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JOB ESTIMATE REPORT

NOTICE OF LOCATION AND DESIGN APPROVAL

*Battle Creek Road and Mt. Zion Boulevard Widening
From Southlake Parkway to Somerton Drive Project Number STP00-9108-
00(004); Clayton County P.L No. 751770*

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: JANUARY 12, 2016

The Battle Creek Road and Mt. Zion Boulevard Widening project consists of widening Battle Creek Road (CR 1342) and Mt Zion Boulevard (CR 28) from the existing two and four lane facilities to four 11 foot lanes with a 20-foot raised median and urban shoulders consisting of 2.5-foot curb and gutter, 2-foot grassed strip and 5-foot sidewalks. The project begins on Battle Creek Road at Southlake Parkway (Battle Creek Road M.P. 2.02) and continues to the intersection of Battle Creek Road and Mt Zion Boulevard (Battle Creek Road M.P. 2.37, Mt Zion Boulevard M.P. 1.32). This intersection will be realigned to provide an east-west through movement from eastbound Battle Creek Road to eastbound Mt Zion Boulevard. The project then continues east along Mt Zion Boulevard, crosses I75 (Mt Zion Boulevard M.P 2.45) and ends at Somerton Drive (Mt Zion Boulevard M.P. 4.45). The total project length is approximately 18,350 feet (3.48 miles) The project is located in unincorporated Clayton County in Land Lots 78, 79, 83, 84, 108, 109, 117 and 140 in Land District 12.

Project STP00-910S-00(004) will improve the Level of Service (WS) along the roadway by adding additional through lanes along Battle Creek Road and Mt. Zion Boulevard, as well as adding additional turn lanes at major intersections. The proposed project will also improve vertical sight distance and provide for additional turn lanes and signal upgrades at intersections and will improve pedestrian facilities within the project limits by providing for an urban section with curb and gutter and 5-foot sidewalks.

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:

Dale Ferris
Area Engineer
4125 Roosevelt Highway
College Park, Georgia 30349
404-559-6699 dferris@dot.ga.gov

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
State Program Delivery Engineer
Attn: Darrell DeJean
Georgia Department of Transportation
600 West Peachtree Street, 25th Floor
Atlanta, Georgia 30308
404-631-1758 ashelby@dot.ga.gov

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.