

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0004403, Cobb County **OFFICE** Preconstruction
MSL-0004-00(403)
SR 120/Roswell Road at SR 120
Interchange Improvement **DATE** December 15, 2005

FROM *Cypher Jumb*
Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

TO *For* SEE DISTRIBUTION

SUBJECT APPROVED NOTICE OF LOCATION AND DESIGN

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

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

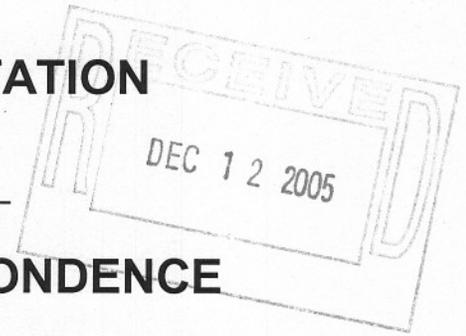
MBP/cj

Attachment

DISTRIBUTION:

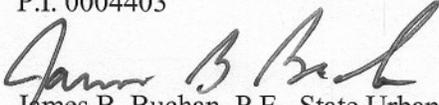
Brian Summers
Harvey Keeper
Jamie Simpson
Paul Liles
Keith Golden
Ken Thompson
Joe Palladi (file copy)
Babs Abubakari
Ben Buchan
Bryant Poole
BOARD MEMBER
Mike Lobdell
Albert Welch

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENTAL CORRESPONDENCE

FILE MSL-0004-00(403), Cobb County
SR 120/Roswell Road at SR 120 Loop
Interchange Improvement
P.I. 0004403
OFFICE Urban Design
DATE December 7, 2005

FROM 
James B. Buchan, P.E., State Urban Design Engineer

TO Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

SUBJECT Request for Location and Design Approval

Description and Project Proposal:

This project will modify the interchange at SR 120/Roswell Road and the SR 120 Loop. The current interchange fails traffic criteria with a level of service F. The new interchange will be designed to provide more efficient flow in order to alleviate the congestion at this location. This project is located 100% in the City of Marietta and 100% in Cobb County in the 6th Congressional District and Ga. Militia District 1679. The proposed project will begin at SR 120 Loop MP 2.55 and extend approximately 0.75 miles to SR 120 Loop MP 1.80. The termini of the project were determined by the southbound SR 120 Loop entrance and exit ramps. The proposed ramps will be one to four lane sections with 12 to 15-foot travel lanes, 6-foot inside shoulders (4-foot paved, 2-foot grassed), 8-foot outside shoulders (6-foot paved, 2-foot grassed) and side ditches. There is a 190' X 43.25' bridge structure proposed for the 2-lane loop over SR 120/Roswell Road.

Concept Approval Date: March 9, 2005

Concept Update:

No significant changes have been made to the design since the approval of the concept report.

Environmental Assessment and Reassessment Approval Date: CE approved June 23, 2005.

Public Involvement:

A public information open house (PIOH) was held on February 21, 2005. This open house was held in concurrence with one for the SR 120/Rosewell Road Widening project (STP-114-1(72), Cobb County, PI No. 721310). A total of 263 people attended the open house and 129 comment forms were received for the two projects (24 in favor, 30 opposed, 16 uncommitted and 59

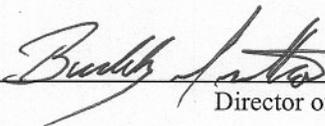
conditional). The majority of those that commented on the interchange were in favor of the project. There were only two concerns noted for the interchange project. The first questioned if the right turn movement from the SR 120 Loop northbound exit ramp to eastbound SR 120/Roswell Road would be signed "Keep Moving", and the second was inquiring about the overall configuration of the improvements proposed. No major changes were made as a result of these comments. Cobb County Commission Chairman Sam Olens was the only public official in attendance.

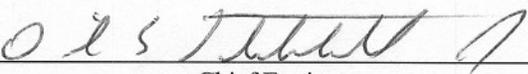
Consistency with Approved Planning:

The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

Recommendations:

This Office recommends that the location and design for the project be approved and that the attached Notice be approved for advertising.

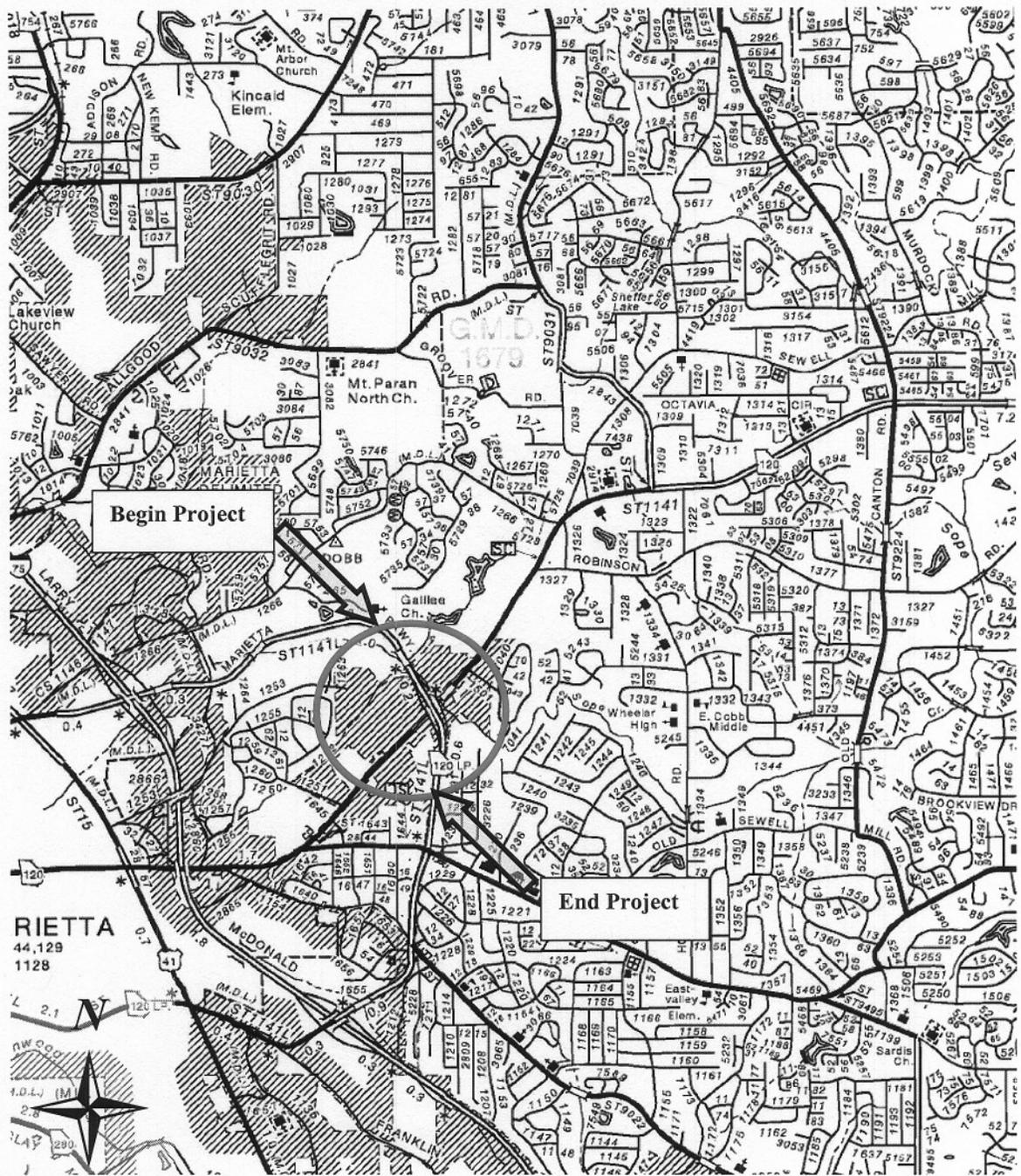
RECOMMEND: 
Director of Preconstruction

APPROVE: 
Chief Engineer

12/14/05
Date of Approval

JBB:ASW:lcs ^{ASW}
Attachments:

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



Scale: 1 inch = 1 mile

Location Map

Project: MSL-0004-00(403) Cobb County PI No.: 0004403

Description: SR 120/Roswell Road at SR 120 Loop Interchange

Estimate Report for file "004403"

Section 1. Roadway					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1.00	LS	250000.00	TRAFFIC CONTROL - PROJECT NO. MSL-0004-00(403)	250000.0
201-1500	1.00	LS	25000.00	CLEARING & GRUBBING - PROJECT NO. MSL-0004-00(403)	25000.0
205-0001	115400.00	CY	3.18	UNCLASS EXCAV	366972.0
206-0002	49200.00	CY	5.19	BORROW EXCAV, INCL MATL	255348.00
310-5100	18200.00	SY	8.23	GR AGGR BASE CRS, 10 INCH, INCL MATL	149786.0
402-1812	500.00	TN	38.32	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	19160.0
402-3121	6000.00	TN	35.71	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	214260.0
402-3130	2150.00	TN	36.60	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM	78690.0
402-3190	3000.00	TN	39.12	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	117359.99
413-1000	5300.00	GL	0.94	BITUM TACK COAT	4982.0
433-1200	300.00	SY	110.28	REINF CONC APPROACH SLAB, INCL SLOPED EDGE	33084.0
441-0204	1500.00	SY	25.67	PLAIN CONC DITCH PAVING, 4 IN	38505.0
446-1002	1700.00	LF	2.81	PVMT REINF FABRIC STRIPS, TP 2, INCL BITUM BINDER	4777.0
634-1200	10.00	EA	83.24	RIGHT OF WAY MARKERS	832.4
641-2100	84.00	LF	29.06	DBL FACED GUARDRAIL, TP T	2441.04
641-2200	2500.00	LF	10.95	DBL FACED GUARDRAIL, TP W	27375.0
641-5001	3.00	EA	419.84	GUARDRAIL ANCHORAGE, TP 1	1259.52
641-5012	5.00	EA	1383.53	GUARDRAIL ANCHORAGE, TP 12	6917.65
Section Sub Total:					\$1,596,749.61

Section 2. Temporary Erosion Control					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	3.00	AC	447.01	TEMPORARY GRASSING	1341.03
163-0240	75.00	TN	193.05	MULCH	14478.75
163-0300	4.00	EA	1041.36	CONSTRUCTION EXIT	4165.44
163-0530	200.00	LF	2.16	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	432.0
165-0010	500.00	LF	1.01	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	505.0
165-0030	500.00	LF	1.20	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	600.0
165-0050	200.00	LF	2.51	MAINTENANCE OF SILT RETENTION BARRIER	501.99
165-0070	100.00	LF	1.20	MAINTENANCE OF BALED STRAW EROSION CHECK	120.0
165-0101	4.00	EA	335.59	MAINTENANCE OF CONSTRUCTION EXIT	1342.36
167-1000	2.00	EA	2648.22	WATER QUALITY MONITORING AND SAMPLING	5296.44
167-1500	24.00	MO	666.85	WATER QUALITY INSPECTIONS	16004.40
170-2000	200.00	LF	10.50	STAKED SILT RETENTION BARRIER	2100.0
171-0010	1000.00	LF	1.71	TEMPORARY SILT FENCE, TYPE A	1710.0
171-0030	1000.00	LF	3.08	TEMPORARY SILT FENCE, TYPE C	3080.0
Section Sub Total:					\$51,677.42

Section 3. Permanent Erosion Control					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2180	500.00	SY	29.91	STN DUMPED RIP RAP, TP 3, 12 IN	14955.0
603-7000	500.00	SY	3.49	PLASTIC FILTER FABRIC	1745.0
700-6910	5.00	AC	739.28	PERMANENT GRASSING	3696.39
700-7000	15.00	TN	59.64	AGRICULTURAL LIME	894.6
700-7010	13.00	GL	20.71	LIQUID LIME	269.23
700-8000	4.00	TN	234.18	FERTILIZER MIXED GRADE	936.72
700-8100	250.00	LB	1.43	FERTILIZER NITROGEN CONTENT	357.5
716-2000	2200.00	SY	1.12	EROSION CONTROL MATS, SLOPES	2464.00
Section Sub Total:					\$25,318.45

Section 4. Signing & Marking					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-5010	6.00	EA	37.71	DELINEATOR, TP 1	226.26
636-XXXX	1.00	Lump Sum	50000.00	MISCELLANEOUS SIGNING	50000.0
653-0120	15.00	EA	56.18	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	842.7
653-0150	2.00	EA	94.38	THERMOPLASTIC PVMT MARKING, ARROW, TP 5	188.76
653-1501	13500.00	LF	0.25	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	3375.0
653-1502	700.00	LF	0.23	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	161.0
653-3501	6000.00	GLF	0.13	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	780.0
654-1003	70.00	EA	3.19	RAISED PVMT MARKERS TP 3	223.29
657-1054	500.00	LF	3.51	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	1755.0
657-3054	250.00	GLF	2.34	PREFORMED PLASTIC SKIP PVMT MKG, 5 IN, WHITE, TP PB	585.0
Section Sub Total:					\$58,137.02

Section 5. Signals					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
647-XXXX	1.00	Lump Sum	270000.00	TRAFFIC SIGNALS	270000.0
Section Sub Total:					\$270,000.00

Section 6. Structures					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-XXXX	1.00	Lump Sum	40000.00	6x10 BOX CULVERT EXTENSION	40000.0
500-XXXX	1.00	Lump Sum	452000.00	190x43.25 BRIDGE	452000.0
627-1010	13300.00	SF	41.27	MSE WALL FACE, 10 - 20 FT HT	548891.0
Section Sub Total:					\$1,040,891.00

Total Estimated Cost: \$3,042,773.50

Subtotal Construction Cost	\$3,042,773.50
E&C Rate 10.0 %	\$304,277.35
Inflation Rate 0.0 % @ 0.0 Years	\$0.00
Total Construction Cost	\$3,347,050.85
Right Of Way	\$3,000,000.00
ReImb. Utilities	\$0.00
Grand Total Project Cost	\$6,347,050.85

NOTICE OF LOCATION AND DESIGN APPROVAL

MSL-0004-00(403), Cobb County

P. I. No. 0004403

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 DECEMBER 15, 2005

This project is located in Cobb County, Land Lots 1098, 1099, 1134, 1171, and 1206 of the 16th District. This project is proposed to alleviate congestion at the current interchange. The current tight urban diamond will be modified to add a loop ramp for the westbound to southbound movement from SR 120/Roswell Road to SR 120 Loop. This will eliminate a signal for this movement, thereby increasing capacity.

A new loop ramp will be constructed in the northwest quadrant of the interchange for the westbound to southbound movement from SR 120/Roswell Road to SR 120 Loop. The loop ramp will require construction of a new bridge over SR 120/Roswell Road parallel to the existing SR 120 Loop bridges. New entrance and exit ramps for southbound SR 120 Loop will need to be constructed outside of the proposed loop ramp. Work along SR 120/Roswell Road will be required to accommodate the new ramps.

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:

Jeff Woodward
jeff.woodward@dot.state.ga.us
862 Barnes Mill Road
Marietta, GA 30062
770-528-3238

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:

James B. Buchan, P.E.
State Urban Design Engineer
Ben.buchan@dot.state.ga.us
No. 2 Capitol Square
Atlanta, GA 30334
770-656-5437

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.