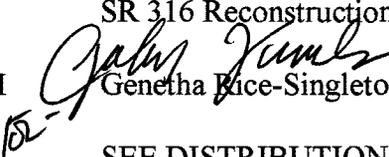


D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 0003168, Gwinnett County **OFFICE** Preconstruction
MSL-0003-00(168)
SR 316 Reconstruction from I-85 to CR 183 **DATE** October 25, 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 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.

GRS/cj

Attachment

DISTRIBUTION:

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

1200

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
INTERDEPARTMENTAL CORRESPONDENCE

FILE MSL-0003-00(168) Gwinnett County
SR 316 from I-85 to CR 183/ Progress Center Ave.
P.I. Nos. 0003168

OFFICE Urban Design

DATE October 16, 2006

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

TO Genetha Rice-Singleton, Assistant Preconstruction Director

SUBJECT **Request for Location and Design Approval**

Proposed project MSL-0003-00(168) would begin approximately 2,200 feet west of Breckinridge Boulevard where it would tie-in with the active construction project at SR 316 and I-85 (Project Number HPP-IM-85-2(146), P.I. Number 110530). Proposed project MSL-0003-00(168) would end near to the intersection of SR 316 and Progress Center Avenue. Total project length is approximately 8.5 miles.

The proposed project would reconstruct SR 316 to accommodate one barrier separated HOV lane in each direction and allow for HOV only access points throughout the project corridor. The HOV lanes would be constructed within the existing median along SR 316. No additional SOV through lanes would be added as a result of this project. The proposed typical section for these improvements would include the construction of a 2.5-foot wide median barrier to be placed on the project centerline to separate the eastbound and westbound HOV lanes. Two 12-foot wide HOV lanes would be constructed, one in each direction, with 4-foot wide inside shoulders, 10-foot wide outside shoulders, and a 2.5-foot median barrier would be placed between the HOV lanes and the 14-foot wide inside shoulder of SR 316. The two SR 316 travel lanes would be reconstructed to 12-foot in width with a 12-foot paved outside shoulder.

Improvements necessary to accommodate the HOV lanes include the construction of a new grade-separated interchange at the existing intersection of Collins Hill Road and SR 316 and at SR 20/Buford Road and SR 316. New HOV only interchanges would be constructed on SR 316 at Herrington Road, Lawrenceville-Suwanee Road (west side ramps only), Walther Boulevard, and Hi-Hope Road (west side ramps only).

Additionally, new bridges are necessary at SR 120/Duluth Road and SR 316 over the Yellow River, and the existing bridge over the gas line easement west of Collins Hill Road would be widened. All new bridges would be designed in such a manner as to not preclude future identified improvements to the corridor.

Concept Approval Date: September 27, 2005

Concept Update: The bridges over the Yellow River are to be replaced instead of widened. The bridge sufficiency ratings for the Yellow River Bridges were received after the concept report was approved. The bridge sufficiency ratings indicated the need to replace the bridges instead of widening them.

The proposed project CM-108-1(30); PI 122925 is along SR 316 to provide ATMS Communication and Surveillance from I-85 to SR 20/SR 124 is within the limits of this project. It was decided to include the ATMS improvements into this project.

Environmental Assessment and Reassessment Approval Date: FONSI signed September 22, 2006

Public Involvement:

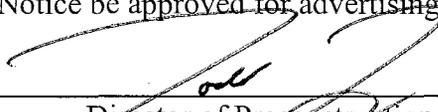
- Hearing Result
 - A PHOH was held on February 16th, 2006 at the Gwinnett Civic Center.
 - 146 people attended, a total of 36 comments were received. An additional 12 comments were received in the two week comment period following the PHOH
 - 26 were FOR; 14 were UNCONDITIONAL; 2 were AGAINST.
- Public Information Meeting
 - A PIOH was held June 17th, 2004 at the Gwinnett Civic Center
 - 200 people attended, a total of 39 comments were left.
 - 28 were FOR; 9 were CONDITIONAL; 1 was UNCOMMITTED; 1 was AGAINST.
 - General consensus seemed to be positive. There were a number of business owners within the corridor that were opposed or concerned about the project because of the negative impacts that it would have on their business. In particular, access concerns were the major issue for the business owners.

Consistency with Approved Planning:

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

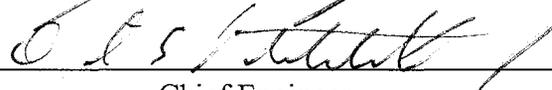
Recommendations: Urban Design recommends that the location and design for the project be approved and that the attached Notice be approved for advertising.

RECOMMENDED:



Director of Preconstruction

APPROVED:



Chief Engineer

10/20/06
Date of Approval

JBB:JLF

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

NOTICE OF LOCATION AND DESIGN APPROVAL

**MSL-0003-00(168) GWINNETT COUNTY
P.I. No. 0003168**

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 the above project.

Date of Location and Design Approval: *OCTOBER 25, 2006*

Project MSL-0003-00(168) located in Gwinnett County, will reconstruct SR 316 to accommodate the construction of one barrier separated HOV lane in each direction and allow for HOV only access points throughout the project corridor. Improvements necessary to accommodate the HOV lanes include the construction of a new grade-separated interchange at the existing intersection of Collins Hill Road and SR 316 and SR 20/Buford Road and SR 316. New HOV only interchanges would be constructed on SR 316 at Herrington Road, Lawrenceville-Suwanee Road (west side ramps only), Walther Boulevard, and Hi-Hope Road (west side ramps only).

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:

Harold Mull, District 1, Area 5 Engineer
Department of Transportation
410 Hurricane Shoals Rd, NW
Lawrenceville, GA 30045
(404) 339-2308
Harold.Mull@dot.state.ga.us

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:

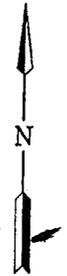
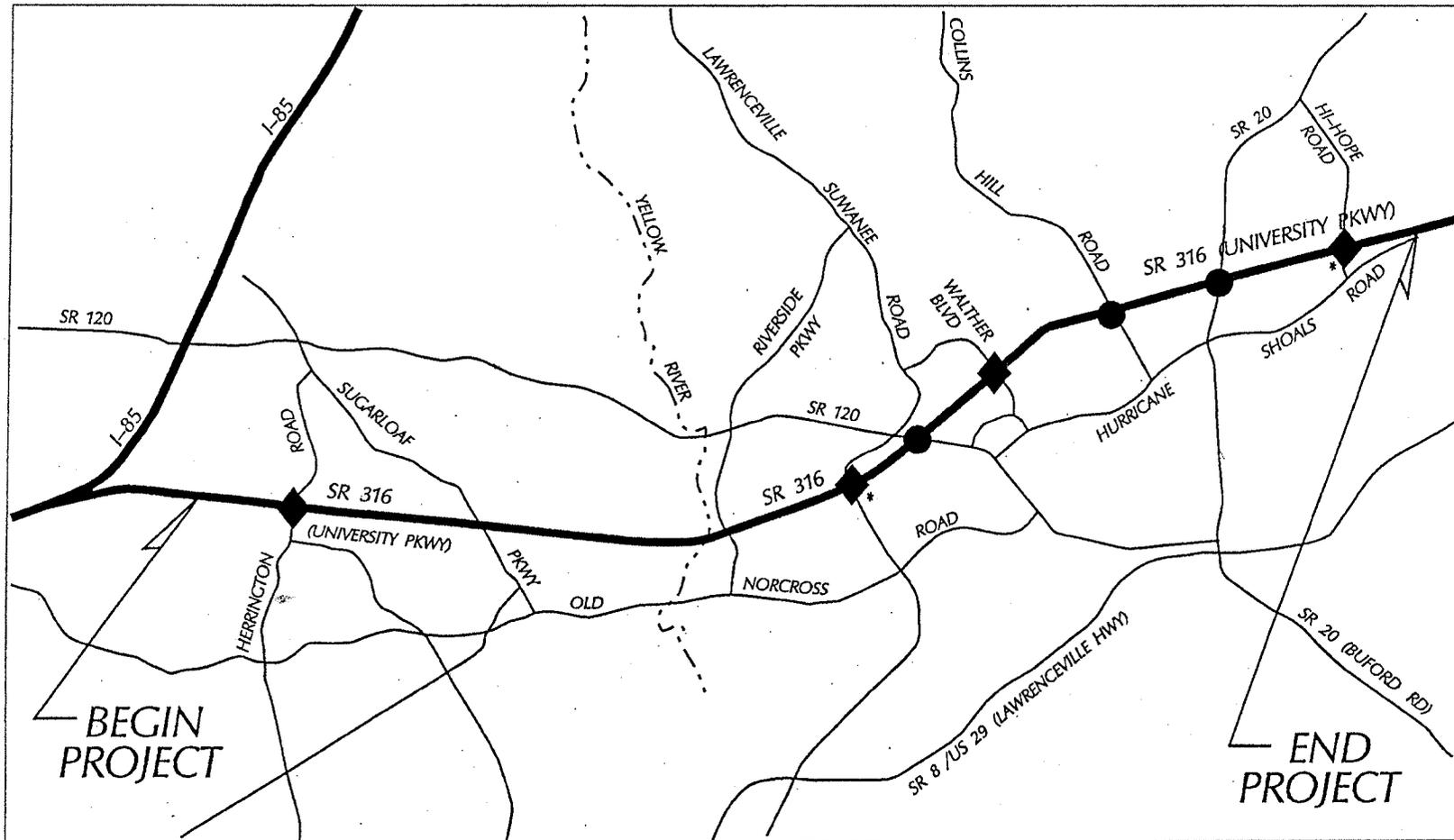
James B. Buchan, P.E., Office of Urban Design
Department of Transportation
No. 2 Capitol Square
Atlanta, GA 30334
(404) 656-5442
Ben.Buchan@dot.state.ga.us

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.

SR 316 FROM I-85 TO SR 20 - HOV LANES
 MSL-0003-00(168), GWINNETT COUNTY
 PI#0003168



Project Number: MSL-0003-00(168)
 P. I. Number: 0003168
 County: Gwinnett



* Note: Lawrenceville-Suwanee Road and Hi-Hope HOV Interchanges are half-diamonds (west side only).

- ◆ - HOV INTERCHANGE
- - NEW BRIDGE OR INTERCHANGE

LOCATION MAP

Estimate Report for file "SR 316 HOV LANES(003168)_2006-06-14"

Section ROADWAY ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	9000000.00	TRAFFIC CONTROL -	9000000.00
153-1300	6	EA	62570.72	FIELD ENGINEERS OFFICE TP 3	375424.32
205-0001	1390000	CY	3.84	UNCLASS EXCAV	5337600.00
206-0002	436600	CY	4.79	BORROW EXCAV, INCL MATL	2091314.00
207-0203	530	CY	39.54	FOUND BK FILL MATL, TP II	20956.20
310-5120	1096200	SY	13.83	GR AGGR BASE CRS, 12 INCH, INCL MATL	15160446.00
402-3112	189400	TN	89.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	16856600.00
402-3121	99100	TN	76.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	7531600.00
402-3130	18600	TN	75.00	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM	1395000.00
413-1000	15800	GL	2.00	BITUM TACK COAT	31600.00
430-0820	922300	SY	65.52	CONT REINF CONC PVMT, CL 1 CONC, 12 INCH THK	60429096.00
433-1000	6300	SY	145.36	REINF CONC APPROACH SLAB	915768.00
441-0104	15700	SY	29.27	CONC SIDEWALK, 4 IN	459539.00
441-0740	2700	SY	29.41	CONCRETE MEDIAN, 4 IN	79407.00
441-6022	37800	LF	18.03	CONC CURB & GUTTER, 6 IN X 30 IN, TP 2	681534.00
441-6720	15500	LF	11.84	CONC CURB & GUTTER, 6 IN X 30 IN, TP 7	183520.00
500-3101	1700	CY	503.81	CLASS A CONCRETE	856477.00
500-3107	120	CY	433.02	CLASS A CONCRETE, RETAINING WALL	51962.40
500-3201	14	CY	413.85	CLASS B CONCRETE, RETAINING WALL	5793.90
500-3800	65	CY	698.70	CLASS A CONCRETE, INCL REINF STEEL	45415.50
511-1000	165700	LB	0.79	BAR REINF STEEL	130903.00
550-1180	46800	LF	35.65	STORM DRAIN PIPE, 18 IN, H 1-10	1668420.00
550-1181	950	LF	36.04	STORM DRAIN PIPE, 18 IN, H 10-15	34238.00
550-1182	330	LF	32.44	STORM DRAIN PIPE, 18 IN, H 15-20	10705.20
550-1240	4900	LF	43.22	STORM DRAIN PIPE, 24 IN, H 1-10	211778.00
550-1300	3800	LF	54.41	STORM DRAIN PIPE, 30 IN, H 1-10	206758.00
550-1360	1600	LF	66.17	STORM DRAIN PIPE, 36 IN, H 1-10	105872.00
550-1361	220	LF	74.15	STORM DRAIN PIPE, 36 IN, H 10-15	16313.00
550-1363	240	LF	112.31	STORM DRAIN PIPE, 36 IN, H 20-25	26954.40
550-1420	320	LF	82.18	STORM DRAIN PIPE, 42 IN, H 1-10	26297.60
550-1421	22	LF	98.60	STORM DRAIN PIPE, 42 IN, H 10-15	2169.20
550-1423	76	LF	80.72	STORM DRAIN PIPE, 42 IN, H 20-25	6134.72
550-1480	580	LF	106.39	STORM DRAIN PIPE, 48 IN, H 1-10	61706.20
550-1481	900	LF	111.51	STORM DRAIN PIPE, 48 IN, H 10-15	100359.00
550-1483	63	LF	147.07	STORM DRAIN PIPE, 48 IN, H 20-25	9265.41
550-1542	260	LF	296.49	STORM DRAIN PIPE, 54 IN, H 15-20	77087.40
550-1601	92	LF	140.70	STORM DRAIN PIPE, 60 IN, H 10-15	12944.40
550-4218	60	EA	532.26	FLARED END SECTION 18 IN, STORM DRAIN	31935.60
550-4224	13	EA	601.81	FLARED END SECTION 24 IN, STORM DRAIN	7823.53
550-4230	12	EA	732.64	FLARED END SECTION 30 IN, STORM DRAIN	8791.68
550-4236	7	EA	996.62	FLARED END SECTION 36 IN, STORM DRAIN	6976.34
610-5705	2	EA	239.25	REM CATCH BASIN	478.50
610-6015	12	EA	239.25	REM DROP INLET	2871.00
610-6512	1	EA	787.50	REM HEADWALL -	787.50
610-6625	1	EA	398.75	REM MANHOLE	398.75
611-3030	4	EA	1557.36	RECONSTR STORM SEW MANHOLE, TYPE 1	6229.44
611-8000	3	EA	1614.26	ADJUST CATCH BASIN TO GRADE	4842.78
611-8040	16	EA	841.76	ADJUST DROP INLET TO GRADE	13468.16
611-8050	2	EA	624.23	ADJUST MANHOLE TO GRADE	1248.46
611-9000	5	EA	764.54	CAPPING MINOR STRUCTURE	3822.70
621-4020	170	LF	251.21	CONCRETE SIDE BARRIER, TYPE 2	42705.70
621-4021	860	LF	338.39	CONCRETE SIDE BARRIER, TYPE 2A	291015.40
621-4022	760	LF	492.19	CONCRETE SIDE BARRIER, TYPE 2B	374064.40
621-4062	220	LF	441.00	CONCRETE SIDE BARRIER, TYPE 6B	97020.00
621-4070	180	LF	182.11	CONCRETE SIDE BARRIER, TYPE 7C	32779.80
621-4080	91	LF	65.07	CONCRETE SIDE BARRIER, TYPE 7R	5921.37
621-4085	13500	LF	59.08	CONCRETE SIDE BARRIER, TYPE 7W	797580.00

621-6002	37700	LF	73.74	CONCRETE BARRIER, TP S-2	2779998.00
621-6006	71800	LF	68.25	CONCRETE BARRIER, TP S, MODIFIED	4900350.00
624-0101	10700	SF	21.78	SOUND BARRIER, TYPE B, 0-10 FT HT	233046.00
627-1000	7000	SF	44.43	MSE WALL FACE, 0 - 10 FT HT, WALL NO -	311010.00
627-1010	28100	SF	48.35	MSE WALL FACE, 10 - 20 FT HT, WALL NO -	1358635.00
627-1020	157500	SF	50.98	MSE WALL FACE, 20 - 30 FT HT, WALL NO -	8029350.00
627-1100	1500	LF	74.30	COPING A, WALL NO -	111450.00
627-1120	2100	LF	176.77	COPING B, WALL NO -	371217.00
627-1140	8900	LF	193.70	TRAFFIC BARRIER V, WALL NO -	1723930.00
628-0100	1	LS	484636.18	PERMANENT SOIL-NAILED WALL, NO -	484636.18
634-1200	530	EA	96.67	RIGHT OF WAY MARKERS	51235.10
641-1100	2775	LF	33.15	GUARDRAIL, TP T	91991.25
641-1200	47700	LF	15.24	GUARDRAIL, TP W	726948.00
641-5001	43	EA	528.22	GUARDRAIL ANCHORAGE, TP 1	22713.46
641-5012	44	EA	1678.24	GUARDRAIL ANCHORAGE, TP 12	73842.56
643-1152	1300	LF	29.16	CH LK FENCE, ZC COAT, 6 FT, 9 GA	37908.00
668-1100	160	EA	1930.40	CATCH BASIN, GP 1	308864.00
668-1110	69	LF	210.98	CATCH BASIN, GP 1, ADDL DEPTH	14557.62
668-2100	57	EA	2844.97	DROP INLET, GP 1	162163.29
668-2110	250	LF	261.37	DROP INLET, GP 1, ADDL DEPTH	65342.50
668-2200	9	EA	2942.97	DROP INLET, GP 2	26486.73
668-2210	130	LF	286.35	DROP INLET, GP 2, ADDL DEPTH	37225.50
668-2231	110	EA	2885.07	DROP INLET, GP 1, MODIFIED TP M-1	317357.70
668-2232	190	EA	4302.03	DROP INLET, GP 1, MODIFIED TP M-2	817385.70
668-2XXX	3	EA	4410.00	DROP INLET, GP 2, MODIFIED TP M-2	13230.00
668-4300	15	EA	1927.99	STORM SEWER MANHOLE, TP 1	28919.85
668-4311	50	LF	238.91	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 1	11945.50
668-4400	2	EA	2729.68	STORM SEWER MANHOLE, TP 2	5459.36
668-4412	21	LF	330.28	STORM SEWER MANHOLE, TP 2, ADDL DEPTH, CL 2	6935.88
668-5000	2	EA	1795.39	JUNCTION BOX	3590.78
Section Sub Total:					\$149,075,444.92

Section BRIDGE ITEMS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
540-1101	5	LS	150000.00	REMOVAL OF EXISTING BRIDGE	750000.00
543-1100	8	LS	2875000.00	CONSTR OF BRIDGE - COMPLETE - TO BOTTOM OF CAP	23000000.00
54X-XXXX	1	Lump Sum	2000000.00	WIDENING OF BRIDGES OVER COLONIAL PIPELINE	2000000.00
Section Sub Total:					\$25,750,000.00

Section SIGNING & MARKING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
653-XXXX	1	Lump Sum	2000000.00	SIGNING & MARKING	2000000.00
Section Sub Total:					\$2,000,000.00

Section EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
716-XXXX	1	Lump Sum	2500000.00	EROSION CONTROL	2500000.00
Section Sub Total:					\$2,500,000.00

Total Estimated Cost: \$179,325,444.92

Subtotal Construction Cost \$179,325,444.92

E&C Rate 10.0 % \$17,932,544.49

Inflation Rate 5 % @ 0 Years \$0.00

Total Construction Cost \$197,257,989.41