

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. Nos. 351130 & 351135, Bibb County **OFFICE** Preconstruction
STP-3213(3) & BRMLB-3213(5)
CR 723 Widening and Reconstruction **DATE** October 26, 2005

FROM *Cyahn J. Pirkle*
Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

TO *MBP* 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

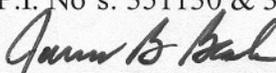
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**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-3213(3) & BRMLB-3213(5), Bibb County **OFFICE** Urban Design
CR 723/ Forest Hill Road Widening from Wimbish Road
to Northside Drive & Forest Hill Road at Sabbath Creek
P.I. No's: 351130 & 351135 **DATE** October 18, 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: The project is located in the city of Macon, Georgia in Bibb County. The project proposes to widen and reconstruct Forest Hill Road from Wimbish Road to Northside Drive and to replace the bridge culvert at Sabbath Creek. The improvements to Forest Hill Road begin at milepost 0.75 and continue approximately to milepost 2.54. The length of the project is 1.78 miles. The proposed typical section consists of two 12-foot travel lanes with a 14-foot two-way left-turn lane and 12-foot urban shoulders including a 5-foot sidewalk and 3-foot grass strip.

CONCEPT APPROVAL DATE: December 15, 1998; September 8, 2003 Revised Concept

CONCEPT UPDATE: The shoulder grass strip width is revised from 3.5-foot to 3.0-foot as approved in the Revised Concept Report.

ENVIRONMENTAL ASSESSMENT AND REASSESSMENT APPROVAL DATE: Environmental Assessment/ FONSI approved on June 15, 2004.

PUBLIC INVOLVEMENT: A Public Hearing Open House, a preliminary design Stakeholders Meeting and a lighting/landscaping Stakeholders Meeting have been conducted for this project. An additional lighting/landscaping Stakeholders Meeting is currently being planned.

- Public Hearing Open House
 - The meeting was held on June 11, 2001 at Springdale Elementary School in Macon, Georgia.
 - There were 315 members of the community as well as FHWA, GDOT, City and County officials in attendance. A majority of the 232 comments received were against the project. The opposing comments concerned; increased traffic, pollution, noise, accidents, and loss of neighborhood integrity by widening the road.

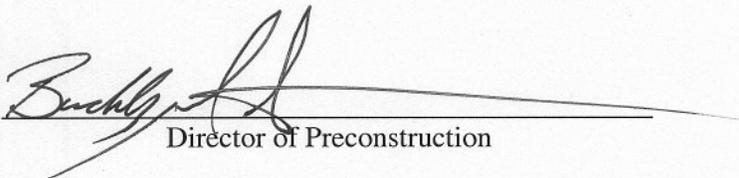
- As a result of the negative feedback, additional public involvement meetings were scheduled to adequately address the concerns of citizens.
- Stakeholders Meeting (preliminary design)
 - The meeting was held on May 30, 2002 at Holiday Inn on Arkwright Road in Macon, Georgia.
 - There were 40 members of the community, 11 stakeholders, 2 FHWA administrators along with a number of GDOT, City and County representatives in attendance.
 - The opposing comments concerned: increased traffic, pollution, noise, accidents, and loss of neighborhood integrity by widening the road.
 - Several commitments to update the design were made and listed in the environmental document including: offering property owners flat landing areas at driveway entrances, lighting and landscaping in the plans, and possibly installing traffic calming devices.
- Stakeholders Meeting (lighting and landscaping)
 - The meeting was held on April 14, 2005 at 815 North Macon Park Drive in Macon, Georgia. There were 11 stakeholders in attendance. City and County officials were also present.
 - Opposing and supporting comments were evenly distributed.
 - Opposing comment concerned poor maintenance of the landscaping and disruption to overhead lighting during inclement weather. Supporting comments suggested pedestrian lighting in addition to roadway lighting.
 - Landscape architects and lighting consultants are developing three alternatives for lighting the project which will be presented at the next Stakeholders Meeting.

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

RECOMMEND:



Director of Preconstruction

APPROVE:



Chief Engineer

10/26/05
Date of Approval

JBB:DW

Attachments:

- Location Sketch
- Notice of Location and Design
- Cost Estimates

NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT STP-3213(3) & BRMLB-3213(5), BIBB COUNTY, GEORGIA P.I. NO.: 351130 & 351135

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 26, 2005

The project proposes to widen and reconstruct Forest Hill Road from Wimbish Road to Northside Drive and to replace the bridge culvert at Sabbath Creek. The project is located 90% in the City of Macon and 10% in Bibb County, the beginning mile post reference is 0.75 and the ending post is 2.54.

The proposed typical section consists of two 12-foot travel lanes with a 14-foot two-way left-turn lane and 12-foot urban shoulders including a 5-foot sidewalk and a 3-foot grass strip. The project will provide landscaping and lighting. Intersection improvements are proposed throughout the project length.

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

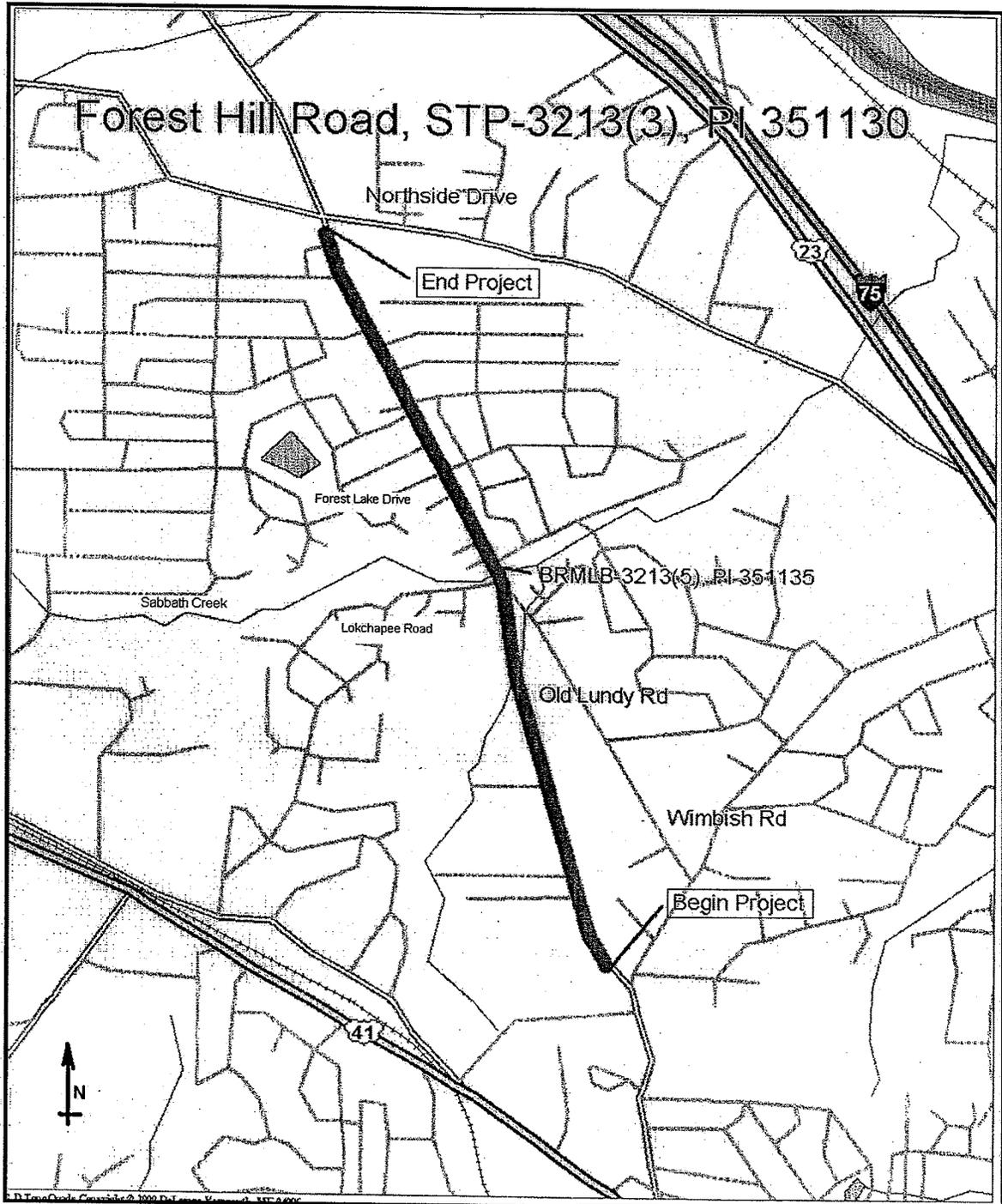
Mr. Brink Stokes, *District 3 Area 4 Engineer*
brink.stokes@dot.state.ga.us
4499 Riverside Drive
Macon, Georgia 31210
Phone (478) 757-2601 / 2602

Any interested party may obtain a copy of the drawings, maps, plats, or portions thereof, by paying a nominal fee and requesting in writing to:

Mr. James B. Buchan, P.E., *State Urban Design Engineer*
Office of Urban Design
ben.buchan@dot.state.ga.us
No. 2 Capitol Square, SW
Atlanta, Georgia 30334
Phone (404)656-5436

Any written request in reference to this Notice should include the Project and P.I. Numbers as noted at the top of this notice.

LOCATION SKETCH
STP-3213(1) and STP-3213(3)/BRMLB-3213(5)
BIBB COUNTY
PI #'s 351130 and 351135



Detail Estimate: Cost Estimate Report

Estimate Report for file "STP-3213(3)_2005-01-14"

Section ROADWAY						
Item Number	Quantity	Units	Unit Price	Item Description	Cost	
150-1000	1	LS	71687.66	TRAFFIC CONTROL -	71687.66	
153-1300	1	EA	49749.21	FIELD ENGINEERS OFFICE TP 3	49749.21	
201-1500	1	LS	1178961.29	CLEARING & GRUBBING -	1178961.29	
208-0100	23000	CY	5.71	IN PLACE EMBANKMENT	131330.00	
310-1101	8100	TN	13.89	GR AGGR BASE CRS, INCL MATL	112509.00	
318-3000	400	TN	15.67	AGGR SURF CRS	6268.00	
402-1812	2500	TN	38.54	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	96350.00	
402-3113	4100	TN	44.66	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	183106.00	
402-3121	11000	TN	36.08	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	396880.00	
402-3190	5500	TN	39.07	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	214885.00	
413-1000	1500	GL	0.95	BITUM TACK COAT	1425.00	
432-5010	25000	SY	1.50	MILL ASPH CONC PVMT, VARIABLE DEPTH	37500.00	
441-0016	5500	SY	28.57	DRIVEWAY CONCRETE, 6 IN TK	157135.00	
441-0104	11000	SY	22.08	CONC SIDEWALK, 4 IN	242880.00	
441-6222	23000	LF	10.66	CONC CURB & GUTTER, 6 IN X 30 IN, TP 2	245180.00	
500-3101	30	CY	426.84	CLASS A CONCRETE	12805.20	
500-3201	180	CY	304.80	CLASS B CONCRETE, RETAINING WALL	54864.00	
511-1000	2300	LB	0.63	BAR REINF STEEL	1449.00	
550-1180	6300	LF	27.69	STORM DRAIN PIPE, 18 IN, H 1-10	174447.00	
550-1240	3570	LF	32.63	STORM DRAIN PIPE, 24 IN, H 1-10	116489.10	
550-1300	685	LF	42.01	STORM DRAIN PIPE, 30 IN, H 1-10	28776.85	
550-4224	1	EA	470.13	FLARED END SECTION 24 IN, STORM DRAIN	470.13	
611-8050	1	EA	610.31	ADJUST MANHOLE TO GRADE	610.31	
634-1200	150	EA	84.40	RIGHT OF WAY MARKERS	12660.00	
641-1200	1200	LF	11.27	GUARDRAIL, TP W	13524.00	
641-5001	5	EA	429.03	GUARDRAIL ANCHORAGE, TP 1	2145.15	
641-5012	5	EA	1387.48	GUARDRAIL ANCHORAGE, TP 12	6937.40	
668-1100	114	EA	1755.45	CATCH BASIN, GP 1	200121.30	
668-1110	17	LF	170.73	CATCH BASIN, GP 1, ADDL DEPTH	2902.41	
668-1200	1	EA	2473.18	CATCH BASIN, GP 2	2473.18	
668-1210	1	LF	246.89	CATCH BASIN, GP 2, ADDL DEPTH	246.89	
668-4300	2	EA	1751.67	STORM SEWER MANHOLE, TP 1	3503.34	
668-7018	16	EA	1366.67	DRAIN INLET, 18 IN	21866.72	
Section Sub Total:					\$3,782,138.14	

Section EROSION CONTROL						
Item Number	Quantity	Units	Unit Price	Item Description	Cost	
163-0232	10	AC	458.34	TEMPORARY GRASSING	4583.40	
163-0240	90	TN	194.20	MULCH	17478.00	
163-0300	2	EA	1063.42	CONSTRUCTION EXIT	2126.84	
163-0502	240	EA	219.52	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 2	52684.80	
163-0550	103	EA	177.85	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	18318.55	
165-0010	700	LF	1.01	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	707.00	
165-0020	6000	LF	1.05	MAINTENANCE OF TEMPORARY SILT FENCE, TP B	6300.00	
165-0030	375	LF	1.29	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	483.75	
165-0101	2	EA	351.61	MAINTENANCE OF CONSTRUCTION EXIT	703.22	
165-0105	103	EA	80.22	MAINTENANCE OF INLET SEDIMENT TRAP	8262.66	
167-1000	24	EA	2402.09	WATER QUALITY MONITORING AND SAMPLING	57650.16	
171-0010	1400	LF	1.71	TEMPORARY SILT FENCE, TYPE A	2394.00	
171-0020	12000	LF	1.67	TEMPORARY SILT FENCE, TYPE B	20040.00	
171-0030	750	LF	3.15	TEMPORARY SILT FENCE, TYPE C	2362.50	
603-2180	485	SY	30.87	STN DUMPED RIP RAP, TP 3, 12 IN	14971.95	
700-6910	20	AC	743.02	PERMANENT GRASSING	14860.40	
700-7000	20	TN	57.92	AGRICULTURAL LIME	1158.40	

Detail Estimate: Cost Estimate Report

700-7010	50	GL	20.29	LIQUID LIME	1014.50
700-8000	15	TN	235.87	FERTILIZER MIXED GRADE	3538.05
700-8100	5	LB	1.43	FERTILIZER NITROGEN CONTENT	7.15
710-9000	70	SY	4.39	PERMANENT SOIL REINFORCING MAT	307.30
715-2100	13200	SY	1.74	BITUMINOUS TREATED ROVING, SLOPES	22968.00
716-2000	5100	SY	1.10	EROSION CONTROL MATS, SLOPES	5610.00
Section Sub Total:					\$258,530.63

Section TRAFFIC SIGNS & STRIPING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	320	SF	13.09	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	4188.80
636-1031	60	SF	17.30	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	1038.00
636-2030	700	LF	5.10	GALV STEEL POSTS, TP 3	3570.00
653-0110	6	EA	50.86	THERMOPLASTIC PVMT MARKING, ARROW, TP 1	305.16
653-0120	46	EA	56.46	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	2597.16
653-1501	23500	LF	0.25	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	5875.00
653-1502	21300	LF	0.23	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	4899.00
653-1704	350	LF	3.18	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	1113.00
653-1804	4150	LF	1.45	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	6017.50
653-3501	2200	GLF	0.14	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	308.00
653-3502	14000	GLF	0.13	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, YELLOW	1820.00
654-1001	199	EA	3.20	RAISED PVMT MARKERS TP 1	636.80
654-1003	58	EA	3.19	RAISED PVMT MARKERS TP 3	185.02
687-1000	1	LS	34690.42	TRAFFIC SIGNAL TIMING -	34690.42
Section Sub Total:					\$67,243.86

Section TRAFFIC SIGNAL INSTALLATION

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1032	65	SF	29.09	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING TP 6	1890.85
639-4004	4	EA	4290.54	STRAIN POLE, TP IV	17162.16
647-1000	1	LS	40916.67	TRAFFIC SIGNAL INSTALLATION NO -	40916.67
647-2110	1	EA	300.00	PULL BOX, PB-1	300.00
647-2120	4	EA	333.13	PULL BOX, PB-2	1332.52
682-6110	150	LF	8.42	CONDUIT, RIGID, 1 IN	1263.00
682-6120	1000	LF	6.96	CONDUIT, RIGID, 2 IN	6960.00
Section Sub Total:					\$69,825.20

Section LIGHTING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
000-0000	1	Lump Sum	401480.00	LIGHTING	401480.00
Section Sub Total:					\$401,480.00

Section LANDSCAPING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
000-0000	1	Lump Sum	250000.00	LANDSCAPING	250000.00
000-0000	1	Lump Sum	45000.00	IRRIGATION	45000.00
Section Sub Total:					\$295,000.00

Total Estimated Cost: \$4,874,217.83

Detail Estimate: Cost Estimate Report

Subtotal Construction Cost	\$4,874,217.83
E&C Rate 10.0 %	\$487,421.78
Inflation Rate 0.0 % @ 0.0 Years	\$0.00
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Total Construction Cost	\$5,361,639.61
Right Of Way	\$1,702,820.00
ReImb. Utilities	\$0.00
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Grand Total Project Cost	\$7,064,459.61

Detail Estimate: Cost Estimate Report

Estimate Report for file "P.I. 351135"

Section Culvert					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
455-0001	1200	SY	3.28	FILTER FABRIC	3936.00
500-3101	488	CY	457.36	CLASS A CONCRETE (BARREL)	223191.68
500-3101	73	CY	457.36	CLASS A CONCRETE (WINGWALLS)	33387.28
511-1000	6545	LB	0.72	BAR REINF STEEL (WINGWALLS)	4712.40
511-1000	59340	LB	0.72	BAR REINF STEEL (BARREL)	42724.80
603-1012	1200	SY	16.00	STN PLAIN RIP RAP, 12 IN	19200.00
610-9230	1	LS	15000.00	REM CLVT, CONCRETE, STA -	15000.00
Section Sub Total:					\$342,152.16

Total Estimated Cost: \$342,152.16

Subtotal Construction Cost	\$342,152.16
E&C Rate 10.0 %	\$34,215.22
Inflation Rate 0.0 % @ 0.0 Years	\$0.00
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Total Construction Cost	\$376,367.38
Right Of Way	\$0.00
ReImb. Utilities	\$0.00
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Grand Total Project Cost	\$376,367.38