

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0011684
Fulton County
GDOT District 7 - Metro Atlanta
SR 42 Spur @ NS #718064Y
Bridge Replacement

OFFICE Design Policy & Support

DATE June 13, 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
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
Eric Duff, State Environmental Administrator
Bill DuVall, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management
Lisa Myers, State Project Review Engineer
Andy Casey, State Roadway Design Engineer
Mehdi Bashirian, District Design Engineer
Richard Cobb, Location Bureau Chief
Kathy Zahul, District Engineer
Scott Lee, District Preconstruction Engineer
Scott Lee for District Planning & Programming Engineer
Brad Humphrey, Area Engineer - D7, A1
Xavier James, Project Manager
BOARD MEMBER - 5th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**INTEROFFICE CORRESPONDENCE
LOCATION AND DESIGN REPORT**

FILE P.I. 0011684
Fulton County

OFFICE Office of Program Delivery
DATE June 2, 2016

SR 42 SPUR @ NS #718064Y
0.30 MI E OF *SR 54*

KLP
Charles A. Shelby III for
FROM Albert V. Shelby, III, State Program Delivery Engineer

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

SUBJECT Request for Location and Design Approval

Description and Project Proposal:

As part of the Departments Construction Work Program, the improvements along S.R. 42 Spur/McDonough Blvd S.E. are proposed to begin and end at the intersection of Lakewood Ave S.E. and Milton Ave S.E. respectively. This bridge replacement project consists of removing the existing bridge that has a sufficiency rating of 39.82 and replacing it with a new concrete bridge (279'x49.41') along the existing horizontal and vertical alignment if possible along S.R. 42 Spur/McDonough Blvd. The existing pedestrian facilities within the project limits (portions of Lakewood Ave) will be upgraded to current standards as well. Also, the left corner radii of Milton Ave will be adjusted to provide adequate turning movement for truck. The existing left corner radius at Milton Ave is damaged due to truck traffic riding onto the curb. The existing right-of-way width along S.R. 42 Spur/McDonough Blvd S.E. varies between 80 feet and 100 feet, and the proposed right-of-way width varies between 90 feet and 120 feet. The project is located in the City of Atlanta, in Fulton County Georgia. S.R. 42 Spur/McDonough Blvd S.E. has a functional classification as an urban minor arterial with a design speed of 35 mph. The proposed length of the project is 0.3 miles. The project will utilize a road closure of S.R. 42 Spur/McDonough Blvd S.E. in order to replace the bridge. The detour route will be along S.R. 54 Jonesboro Rd SE, Sawtell Ave. SE, and will be in place until the bridge replacement project is complete.

Concept Approval Date: March 24, 2014.

Concept Update: The design speed was revised from 45 mph in the concept report to 35 mph which is the present posted speed. The length of project was revised from 0.4 miles in the concept report to 0.3 miles. The length of the proposed bridge was revised from 170 feet in the concept to 279 feet.

Environmental Document:

Document Type: GEPA Approval Date: N/A

Public Involvement: PIOH was held March 8, 2016 at the The Villages at Carver Family YMCA, 1600 Pryor Road Atlanta, Ga 30038. A total of 26 people attended the open house. Of the 2 respondents who formally commented, 1 was in support of the project, and 1 expressed conditional support.

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 Program Delivery recommends that the location and design for the project be approved and that the attached Notice be approved for advertising.

Concur: Heidi Reed
GDOT Director of Engineering

Approve: Margaret B. Finkle 06/09/2016
GDOT Chief Engineer Date

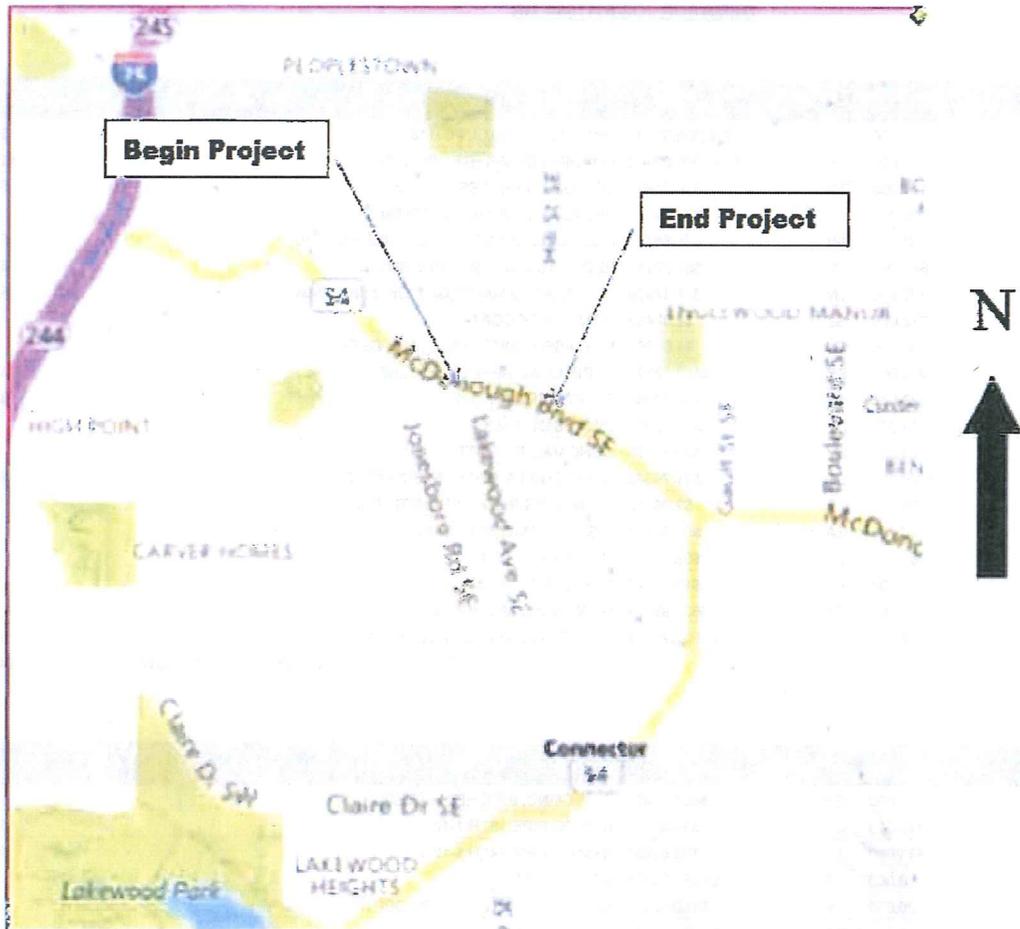
DATE OF LOCATION AND DESIGN APPROVAL: June 13, 2016

Attachments:

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

PROJECT LOCATION MAP

**SR 42 SPUR @ NS #718064Y 0.30 MI E OF SR 54
PI# 0011684, Fulton County**



DETAILED COST ESTIMATE



Job: 0011684 DR

JOB NUMBER: 0011684_DR

FED/STATE PROJECT NUMBER

SPEC YEAR: 01

DESCRIPTION: SR 42 SPUR OVER NORFOLK SOUTHERN RAILROAD

ITEMS FOR JOB 0011684_DR

001 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0010	150-1000	1.000	LS	\$60,000.00000	TRAFFIC CONTROL - 0011684	\$60,000.00
0005	210-0100	1.000	LS	\$100,000.00000	GRADING COMPLETE - 0011684	\$100,000.00
0030	310-1101	1147.000	TN	\$19.70602	GR AGGR BASE CRS, INCL MATL	\$22,602.80
0035	402-1812	100.000	TN	\$74.19321	RECYL AC LEVELING, INC BM&HL	\$7,419.32
0015	402-3101	223.000	TN	\$71.38705	REC AC 9.5 MM SP,TPI, BL 1 INCL BM & HL	\$15,919.31
0025	402-3121	899.000	TN	\$64.87117	RECYL AC 25MM SP,GP1/2,BM&HL	\$57,670.47
0020	402-3190	297.000	TN	\$71.87970	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$21,348.27
0040	413-1000	272.000	GL	\$2.93402	BITUM TACK COAT	\$798.05
0045	432-5010	2095.000	SY	\$4.68665	MILL ASPH CONC PVMT,VARB DEPTH	\$9,818.53
0075	433-1000	218.000	SY	\$162.17398	REINF CONC APPROACH SLAB	\$35,353.93
0055	441-0104	1048.000	SY	\$34.70369	CONC SIDEWALK, 4 IN	\$36,369.47
0060	441-0108	134.000	SY	\$57.05808	CONC SIDEWALK, 8 IN	\$7,645.78
0070	441-4020	23.000	SY	\$38.37173	CONC VALLEY GUTTER, 6 IN	\$882.55
0065	441-6022	2226.000	LF	\$11.76549	CONC CURB & GUTTER, 6"X30"TP2	\$26,189.98
0050	444-1000	270.000	LF	\$2.98718	SAWED JTS IN EXIST PVMTS - PCC	\$801.14
0185	634-1200	46.000	EA	\$97.58116	RIGHT OF WAY MARKERS	\$4,488.73
0080	641-1100	84.000	LF	\$59.00783	GUARDRAIL, TP T	\$4,956.66
0085	641-1200	200.000	LF	\$18.22562	GUARDRAIL, TP W	\$3,645.12
0090	641-5001	2.000	EA	\$634.99087	GUARDRAIL ANCHORAGE, TP 1	\$1,269.98
0095	641-5012	2.000	EA	\$1,902.71272	GUARDRAIL ANCHORAGE, TP 12	\$3,805.43
SUBTOTAL FOR ROADWAY:						\$420,985.52

002 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0200	500-3800	4.000	CY	\$807.52493	CL A CONC, INCL REINF STEEL	\$3,230.10
0205	550-1180	428.000	LF	\$31.30752	STM DR PIPE 18",H 1-10	\$13,399.62
0204	550-1240	484.000	LF	\$35.61830	STM DR PIPE 24",H 1-10	\$17,239.26
0190	668-1100	6.000	EA	\$1,863.08894	CATCH BASIN, GP 1	\$11,178.41
0195	668-1110	20.000	LF	\$160.93152	CATCH BASIN, GP 1, ADDL DEPTH	\$3,218.63
0194	668-2100	1.000	EA	\$1,703.53738	DROP INLET, GP 1	\$1,703.54
0193	668-2110	8.000	LF	\$173.23283	DROP INLET, GP 1, ADDL DEPTH	\$1,385.86
SUBTOTAL FOR DRAINAGE:						\$51,355.42

DETAILED COST ESTIMATE



Job: 0011684 DR

0020 - TEMPORARY EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0140	163-0232	1.000	AC	\$53.39072	TEMPORARY GRASSING	\$53.39
0145	163-0240	120.000	TN	\$185.34322	MULCH	\$22,241.19
0110	163-0300	4.000	EA	\$1,116.11187	CONSTRUCTION EXIT	\$4,464.45
0130	163-C550	18.000	EA	\$124.34502	CCNS & REM INLET SEDIMENT TRAP	\$2,238.21
0125	165-0030	1300.000	LF	\$0.73781	MAINT OF TEMP SILT FENCE, TP C	\$959.15
0115	165-0101	4.000	EA	\$461.97556	MAINT OF CONST EXIT	\$1,847.90
0135	165-0105	18.000	EA	\$54.99886	MAINT OF INLET SEDIMENT TRAP	\$989.98
0100	167-1000	10.000	EA	\$296.50548	WATER QUALITY MONITORING AND SAMPLING	\$2,965.05
0105	167-1500	18.000	MO	\$417.73054	WATER QUALITY INSPECTIONS	\$7,519.15
0120	171-0030	2600.000	LF	\$2.74235	TEMPORARY SILT FENCE, TYPE C	\$7,130.11
SUBTOTAL FOR TEMPORARY EROSION CONTROL:						\$50,408.58

0030 - PERMANENT EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0155	6C3-2182	93.000	SY	\$42.62703	STN DUMPED RIP RAP, TP 3, 24"	\$3,964.31
015C	6C3-7000	93.000	SY	\$4.23454	PLASTIC FILTER FABRIC	\$393.81
0180	700-6910	1.000	AC	\$713.91271	PERMANENT GRASSING	\$713.91
0165	700-7000	2.000	TN	\$24.46226	AGRICULTURAL LIME	\$48.92
0170	700-8000	1.000	TN	\$403.59357	FERTILIZER MIXED GRADE	\$403.59
0175	700-8100	400.000	LB	\$1.80637	FERTILIZER NITROGEN CONTENT	\$722.55
0160	716-2000	1700.000	SY	\$0.95909	EROSION CONTROL MATS, SLOPES	\$1,630.45
SUBTOTAL FOR PERMANENT EROSION CONTROL:						\$7,877.54

0040 - SIGNING & MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0220	652-0120	10.000	EA	\$32.03716	PAVEMENT MARKING, ARROW, TP 2	\$320.37
0234	652-6501	280.000	GLF	\$0.07819	SKIP TRAF STRIPE, 5 IN, WHITE	\$21.89
0225	653-1501	2950.000	LF	\$0.48418	THERMO SOLID TRAF ST 5 IN, WHI	\$1,428.33
0230	653-1502	1900.000	LF	\$0.49286	THERMO SOLID TRAF ST, 5 IN YEL	\$936.43
0240	653-1704	150.000	LF	\$3.63217	THERM SOLID TRAF STRIPE, 24", WH	\$544.83
0235	653-1804	1300.000	LF	\$1.73087	THERM SOLID TRAF STRIPE, 8", WH	\$2,250.13
0210	654-1001	46.000	EA	\$4.04268	RAISED PVMT MARKERS TP 1	\$185.96
0215	654-1003	50.000	EA	\$3.60872	RAISED PVMT MARKERS TP 3	\$180.44
0245	657-1084	560.000	LF	\$5.45993	PRF PL SD PVMT MKG, 8", WH, TP PB	\$3,057.56
0250	657-8085	560.000	LF	\$6.31969	PRF PL SD PVMT MKG, 8", B/Y, TPPB	\$3,539.03
SUBTOTAL FOR SIGNING & MARKING:						\$12,464.97

0050 - BRIDGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0255	518-1000	1.000	LS	\$239,538.00000	RAISE EXISTING BRIDGE, STA - 0011684	\$239,538.00
0260	543-9000	1.000	LS	\$1,106,400.00000	CONSTR OF BRIDGE COMPLETE - 0011684	\$1,106,400.00
0275	627-1020	9667.000	SF	\$52.57066	MSE WALL FACE, 20 - 30 FT HT, WALL NO - 0011684 WALL 1	\$508,200.57
SUBTOTAL FOR BRIDGE:						\$1,854,138.57

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0265	647-1000	1.000	LS	\$75,000.00000	TRAF SIGNAL INSTALLATION NO - 0011684 SIGNAL 1	\$75,000.00
0270	647-1000	1.000	LS	\$90,000.00000	TRAF SIGNAL INSTALLATION NO - 0011684 SIGNAL 2	\$90,000.00
SUBTOTAL FOR :						\$165,000.00

COST GROUP FOR JOB 0011684 DR

DETAILED COST ESTIMATE



Job: 0011684_DR

LINE NUMBER	UNIT	CALCULATION RULE	QUANTITY	PRICE	COST GROUP ID	DESCRIPTION	AMOUNT
00000001	TN	NORM			ASPH	ASPHALT (TN)	
00000002	TN	NORM			BASE	BASE/AGGREGATE (TN)	
00000003	LF	NORM			CURB	CURB & GUTTER (LF)	
00000004	LS	NORM			ERTHLS	EARTHWORK (LS)	
00000005	SY	NORM			MILL	MILLING (SY)	
SUBTOTAL:							

TOTALS FOR JOB 0011684_DR

ITEMS COST:	\$2,562,230.60
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$2,562,230.60
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$2,562,230.60

NOTICE OF LOCATION AND DESIGN APPROVAL

P.I. NO. 0011684, FULTON COUNTY

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 and design approval is: June 13, 2016

The proposed project is located within Land District No. 14.

As part of the Departments Construction Work Program, the improvements along S.R. 42 Spur/McDonough Blvd S.E. are proposed to begin and end at the intersection of Lakewood Ave S.E. and Milton Ave S.E. respectively. This bridge replacement project consists of removing the existing bridge and replacing it with a new concrete bridge along the existing horizontal and vertical alignment S.R. 42 Spur/McDonough Blvd. The existing pedestrian facilities within the project limits (portions of Lakewood Ave) will be upgraded to current standards as well. Also, the left corner radii of Milton Ave will be adjusted to provide adequate turning movement for truck. The existing right-of-way width along S.R. 42 Spur/McDonough Blvd S.E. varies between 80 feet and 100 feet, and the proposed right-of-way width varies between 90 feet and 120 feet. The project is located in the City of Atlanta, in Fulton County Georgia. S.R. 42 Spur/McDonough Blvd S.E. has a design speed of 35 mph. The proposed length of the project is 0.3 miles. The project will utilize a road closure of S.R. 42 Spur/McDonough Blvd S.E. in order to replace the bridge. The detour route will be along S.R. 54 Jonesboro Rd SE, Sawtell Ave SE, and will be in place until the bridge replacement project is complete.

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:

Brad Humphrey,
Area 1 Engineer, District 7
jhumphrey@dot.ga.gov
5025 New Peachtree Road, NE
Chamblee, Georgia 30341
Telephone (770) 216-3921

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 Administrator
ATTN: Xavier James, Project Manager
xjames@dot.ga.gov
600 West Peachtree Street, N.W., 25th Floor
Atlanta, Georgia 30308
Telephone (404) 631-1583

Any written request or communication in reference to this project or notice SHOULD include the Project Identification Numbers as noted at the top of this notice.