

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0007036 **OFFICE** Design Policy & Support

CSBRG-0007-00(036)

Harris County

GDOT District 3 - Thomaston

DATE 6/14/2016

Bridge Replacement - SR 219 @ Mountain

Oak Creek

FROM *Keith Pooey*
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 Administrator

Lisa Myers, State Project Review Engineer

Andy Casey, State Roadway Design Engineer

Richard Cobb, Location Bureau Chief

Michael Presley, District Engineer

Adam Smith, District Preconstruction Engineer

Jack Reed, District Planning & Programming Engineer

J.D. Abercrombie, Area Engineer - D3, A2

Jason Mobley, Project Manager

BOARD MEMBER - 3rd Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**INTEROFFICE CORRESPONDENCE
LOCATION AND DESIGN REPORT**

FILE P. I. Number: 0007036
Harris County
SR 219 over Mountain Oak Creek
Bridge Replacement

OFFICE District 3
DATE 3/15/2016

FROM Albert 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 Engineer

SUBJECT Request for Location and Design Approval

Description and Project Proposal: The existing structure is a four span bridge located on SR 219 over Mountain Oak Creek 1.5 miles south of Whitesville. The proposed replacement will be constructed at the same location and tie in with the existing road alignment. The proposed typical section is two 12 ft. lanes with 10 ft. shoulders, 6.5 ft. paved for bikeable shoulder, and the length of the project is 0.34 miles.

Concept Approval Date: March 26, 2015

Concept Update: None.

Environmental Document:

Document Type: Categorical Exclusion

Approval Date:

5/26/2016 EAP

Public Involvement: A Public Information Open House for the detour route was held April 9, 2015 at Roe Chapel United Methodist Church, located 1.5 miles north of the bridge. There were nine attendees for this meeting, including Harris County Commissioner Jim Woods. One comment was given to the court reporter. The commenter stated it is a good idea to reconstruct the bridge and supported the project. Other verbal comments made in discussion with the project team included questions about project timeline, impacts to adjacent properties, and driveway access for mail delivery. No significant changes were made to the project as a result of the meeting.

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: *Neil Bell*
GDOT Director of Engineering

Approve: *Margaret B. Pankle*
GDOT Chief Engineer

6/9/2015
Date

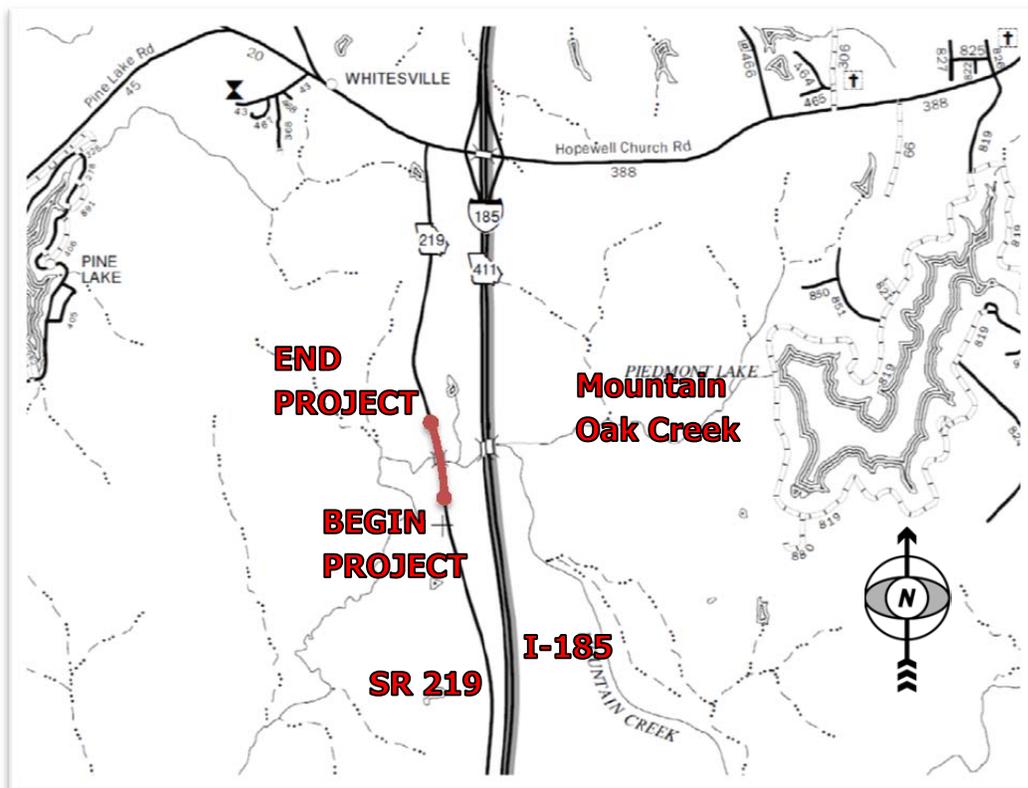
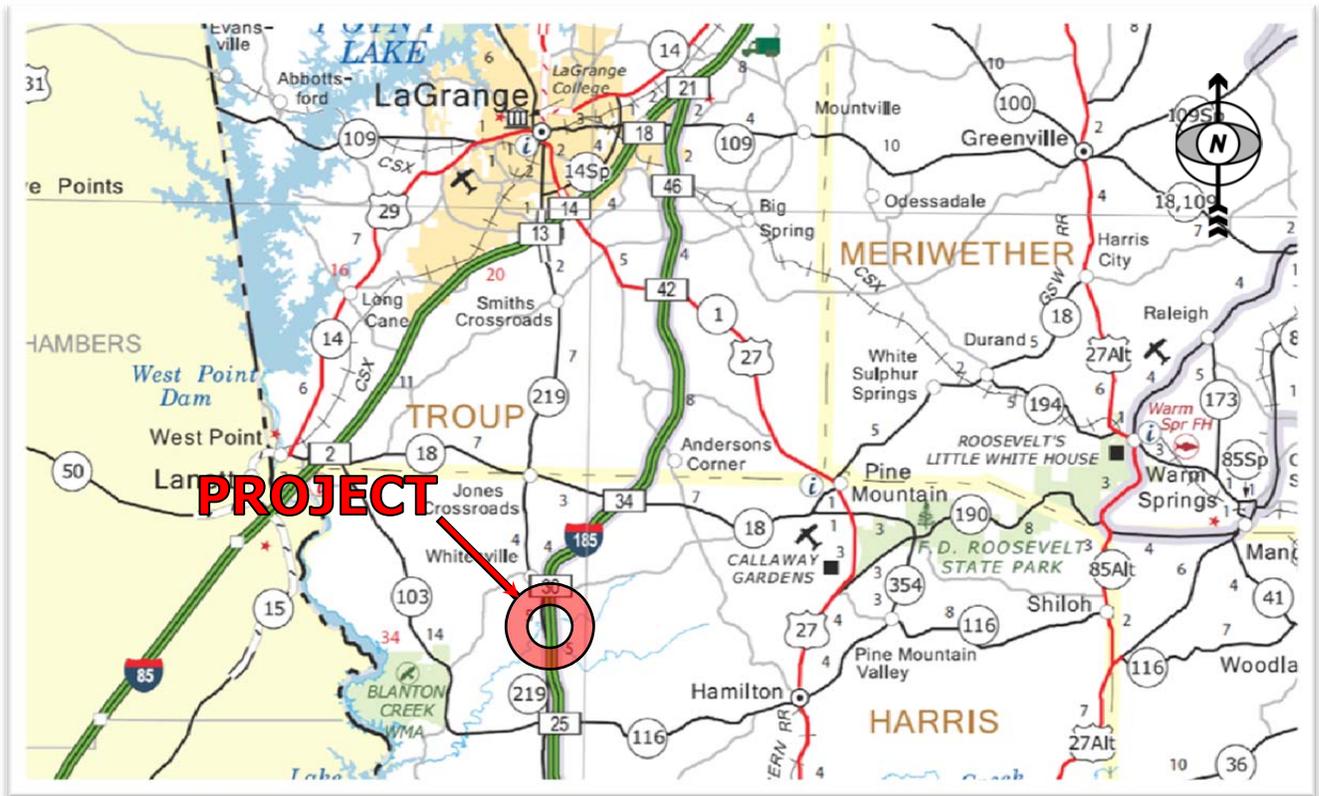
DATE OF LOCATION AND DESIGN APPROVAL: *JUNE 10, 2016*
(To be entered by State Conceptual Design Group Manager)

Attachments:

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

County: Harris

PROJECT LOCATION MAP



DETAILED COST ESTIMATE



Job: 0007036

JOB NUMBER 0007036

FED/STATE PROJECT NUMBER

SPEC YEAR: 13

DESCRIPTION: SR 219 BRIDGE REPLACEMENT
CSBRG-007-00(036)

ITEMS FOR JOB 0007036

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$75,000.00000	TRAFFIC CONTROL - CSBRG-0007-00(036)	\$75,000.00
0010	210-0100	1.000	LS	\$750,000.00000	GRADING COMPLETE - CSBRG-0007-00(036)	\$750,000.00
0015	310-1101	5162.000	TN	\$19.00000	GR AGGR BASE CRS, INCL MATL	\$98,078.00
0020	318-3000	1000.000	TN	\$20.00000	AGGR SURF CRS	\$20,000.00
0025	402-1812	1000.000	TN	\$90.00000	RECYL AC LEVELING, INC BM&HL	\$90,000.00
0035	402-3101	526.000	TN	\$85.00000	REC AC 9.5 MM SP, TPI, BL 1 INCL BM & HL	\$44,710.00
0030	402-3121	1262.000	TN	\$73.00000	RECYL AC 25MM SP, GP1/2, BM&HL	\$92,126.00
0040	402-3190	842.000	TN	\$83.00000	RECYL AC 19 MM SP, GP 1 OR 2 , INC BM&HL	\$69,886.00
0045	413-1000	918.000	GL	\$3.28100	BITUM TACK COAT	\$3,011.96
0050	432-5010	823.000	SY	\$15.00000	MILL ASPH CONC PVMT, VARB DEPTH	\$12,345.00
0055	433-1000	247.000	SY	\$165.00000	REINF CONC APPROACH SLAB	\$40,755.00
0060	436-1000	518.000	LF	\$9.00000	ASPH CONC CURB - 5 IN	\$4,662.00
0065	441-0050	560.000	SY	\$44.19830	CONC SLOPE DRAIN	\$24,751.05
0070	441-0303	4.000	EA	\$1,524.03141	CONC SPILLWAY, TP 3	\$6,096.13
0330	456-2015	1.000	GLM	\$4,040.32848	INDENT. RUMB. STRIPS - GRND-IN-PL (SKIP)	\$4,040.33
0075	500-0100	777.000	SY	\$5.00000	GROOVED CONCRETE	\$3,885.00
0080	500-3200	48.000	CY	\$489.30817	CL B CONC	\$23,486.79
0085	550-2180	200.000	LF	\$24.82220	SIDE DR PIPE 18,H 1-10	\$4,964.44
0090	550-3418	4.000	EA	\$408.76605	SAFETY END SECTION 18,SD,4:1	\$1,635.06
0095	550-3618	4.000	EA	\$442.28063	SAFETY END SECTION 18,SD,6:1	\$1,769.12
0100	634-1200	10.000	EA	\$115.00000	RIGHT OF WAY MARKERS	\$1,150.00
0105	641-1100	84.000	LF	\$50.80563	GUARDRAIL, TP T	\$4,267.67
0110	641-1200	435.000	LF	\$15.36276	GUARDRAIL, TP W	\$6,682.80
0115	641-5001	2.000	EA	\$644.81883	GUARDRAIL ANCHORAGE, TP 1	\$1,289.64
0120	641-5012	2.000	EA	\$1,859.69496	GUARDRAIL ANCHORAGE, TP 12	\$3,719.39
0295	643-8200	123.000	LF	\$2.34461	BARRIER FENCE (ORANGE), 4 FT	\$288.39
SUBTOTAL FOR ROADWAY:						\$1,388,599.77

DETAILED COST ESTIMATE



Job: 0007036

0020 - EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0185	163-0232	2.000	AC	\$500.00000	TEMPORARY GRASSING	\$1,000.00
0190	163-0240	60.000	TN	\$200.00000	MULCH	\$12,000.00
0195	163-0300	4.000	EA	\$1,323.76171	CONSTRUCTION EXIT	\$5,295.05
0200	163-0520	400.000	LF	\$9.64631	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$3,858.52
0205	163-0527	28.000	EA	\$129.80559	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	\$3,634.56
0210	163-0528	400.000	LF	\$2.93540	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$1,174.16
0215	163-0529	500.000	LF	\$4.52032	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$2,260.16
0220	163-0539	8.000	EA	\$900.00000	CONST AND REM RETROFIT-SL BD DM/W STN FL	\$7,200.00
0225	163-0541	4.000	EA	\$265.75965	CONSTR & REM ROCK FILTER DAMS	\$1,063.04
0230	165-0010	1056.000	LF	\$0.85000	MAINT OF TEMP SILT FENCE, TP A	\$897.60
0235	165-0030	1056.000	LF	\$1.00000	MAINT OF TEMP SILT FENCE, TP C	\$1,056.00
0240	165-0041	480.000	LF	\$1.15688	MAINT OF CHECK DAMS - ALL TYPES	\$555.30
0245	165-0071	250.000	LF	\$1.52642	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$381.61
0250	165-0096	8.000	EA	\$210.00000	MAINT OF RETROFIT-SLOT BD DAM/W ST FLT	\$1,680.00
0255	165-0101	4.000	EA	\$451.10319	MAINT OF CONST EXIT	\$1,804.41
0260	165-0110	4.000	EA	\$124.00448	MAINT OF ROCK FILTER DAM	\$496.02
0265	167-1000	2.000	EA	\$500.00000	WATER QUALITY MONITORING AND SAMPLING	\$1,000.00
0270	167-1500	12.000	MO	\$583.08600	WATER QUALITY INSPECTIONS	\$6,997.03
0275	171-0010	2112.000	LF	\$1.20815	TEMPORARY SILT FENCE, TYPE A	\$2,551.61
0280	171-0030	2112.000	LF	\$3.00000	TEMPORARY SILT FENCE, TYPE C	\$6,336.00
0285	603-2024	2500.000	SY	\$38.00000	STN DUMPED RIP RAP, TP 1, 24	\$95,000.00
0290	603-7000	2500.000	SY	\$3.50000	PLASTIC FILTER FABRIC	\$8,750.00
0300	700-6910	3.000	AC	\$1,000.00000	PERMANENT GRASSING	\$3,000.00
0305	700-7000	9.000	TN	\$65.00000	AGRICULTURAL LIME	\$585.00
0310	700-8000	3.000	TN	\$450.00000	FERTILIZER MIXED GRADE	\$1,350.00
0315	700-8100	150.000	LB	\$2.28246	FERTILIZER NITROGEN CONTENT	\$342.37
0320	716-1000	2000.000	SY	\$0.73302	EROSION CONTROL MATS,WATERWAYS	\$1,466.04
0325	716-2000	4000.000	SY	\$1.24000	EROSION CONTROL MATS, SLOPES	\$4,960.00
SUBTOTAL FOR EROSION CONTROL:						\$176,694.48

0030 - SIGNING & MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0140	610-9001	4.000	EA	\$224.37784	REM SIGN	\$897.51
0145	611-5551	4.000	EA	\$426.04436	RESET SIGN	\$1,704.18
0150	636-1033	30.000	SF	\$22.55388	HWY SIGNS, TP1MAT,REFL SH TP 9	\$676.62
0155	636-2070	50.000	LF	\$9.75504	GALV STEEL POSTS, TP 7	\$487.75
0160	653-1501	3721.000	LF	\$0.58969	THERMO SOLID TRAF ST 5 IN, WHI	\$2,194.24
0165	653-1502	3721.000	LF	\$0.62981	THERMO SOLID TRAF ST, 5 IN YEL	\$2,343.52
0170	654-1001	53.000	EA	\$5.74570	RAISED PVMT MARKERS TP 1	\$304.52
0175	657-1085	470.000	LF	\$6.22986	PRF PL SD PVT MKG,8,B/W,TP PB	\$2,928.03
0180	657-6085	470.000	LF	\$6.84558	PRF PL SD PVMT MKG,8,B/Y,TPPB	\$3,217.42
SUBTOTAL FOR SIGNING & MARKING:						\$14,753.79

DETAILED COST ESTIMATE



Job: 0007036

0040 - STRUCTURAL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0125	211-0300	250.000	CY	\$25.15445	BR EXCAV, STREAM CROSSING	\$6,288.61
0130	540-1102	1.000	LS	\$150,000.00000	REM OF EX BR, BR NO - 1	\$150,000.00
0135	543-9000	1.000	LS	\$1,250,000.00000	CONSTR OF BRIDGE COMPLETE - 1	\$1,250,000.00
<i>SUBTOTAL FOR STRUCTURAL:</i>						\$1,406,288.61

TOTALS FOR JOB 0007036

ITEMS COST:	\$2,986,336.65
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$2,986,336.65
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$2,986,336.65

NOTICE OF LOCATION AND DESIGN APPROVAL
HARRIS COUNTY
P. I. NUMBER: 0007036

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 10, 2016

This Harris County bridge replacement is in Land District 20 and Land Lots 265 & 282.

The existing bridge located on SR 219 over Mountain Oak Creek is 1.5 miles south of Whitesville. The proposed replacement will be constructed at the same location and tie in with the existing road alignment. The proposed typical section is two 12 ft. lanes with 10 ft. shoulders, 6.5 ft. paved for bikeable shoulder, and the length of the project is 0.4 miles.

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:

J.D. Abercrombie, Area Engineer
jabercrombie@dot.ga.gov
3600 Schatulga Road
Columbus, GA 31907
(706) 568-2165

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 Shelby
State Program Delivery Engineer
ashelby@dot.ga.gov
600 West Peachtree St. NW, 25th Floor
Atlanta, GA 30308
(404) 631-1758

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.