

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. # 533205-
BRST0-0219-01(001)

OFFICE Design Policy & Support

Chatham County
GDOT District 5 - Jesup
CR 302/Montgomery Cross Road
Bridge Replacement @ Casey Canal

DATE February 5, 2013

FROM  for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED REVISED CONCEPT REPORT

Attached is the approved Revised Concept Report for the above subject project.

Attachment

DISTRIBUTION:

Bobby Hilliard, Program Control Administrator
Genetha Rice-Singleton, State Program Delivery Engineer
Glenn Bowman, State Environmental Administrator
Cindy VanDyke, State Transportation Planning Administrator
Ben Rabun, State Bridge Engineer
Kathy Zahul, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Charles "Chuck" Hasty, State Materials Engineer
Jeff Baker, State Utilities Engineer
Ken Thompson, Statewide Location Bureau Chief
Andy Casey, State Roadway Design Engineer
Attn: Joshua Taylor, Design Group Manager
Tamaya Huff, State Pedestrian and Bicycle Coordinator
Karon Ivery, District Engineer
Brad Saxon, District Preconstruction Engineer
Stephen Thomas, District Utilities Engineer
Aghdas Ghazi, Project Manager
BOARD MEMBER - 1st Congressional District

PLANNING, APPROVED CONCEPT, & BACKGROUND DATA

Project Justification Statement: The Montgomery Cross Road westbound bridge (Structure ID No. 051-0139-0) is located on County Road 302 over the Casey Canal, approximately one mile east of SR 204 and directly west of Whitefield Avenue in Chatham County. The current bridge sufficiency rating is 88.87. There are three 48” drainage pipes and a bridge culvert on the under the eastbound lanes. County Road 302 at this location is a four lane roadway and is functionally classified as an urban principal arterial. The posted speed limit along CR 302 is 40 mph. The section where the proposed bridge project would take place is a school bus route. The bridge is located 1 mile east of SR 204 and was constructed in 1930. Sidewalks are proposed on the new bridge. Trucks represent 4% of the traffic on CR 302. The Average Daily Traffic (ADT) along this section of highway for the current year (2009) is 20,070 with a LOS B. The build year (2011) traffic is projected to be 23,900 ADT and a LOS B. The projected (2023) ADT for this section of highway is 32,150 ADT and a LOS C based upon design traffic produced on April 9, 2010. There is one project in proximity to this bridge, GDOT Project ID No. 550560 (SR 204 Spur from Haney’s Creek to CR 767/Ferguson Ave). There were no vehicle crashes along the bridge section in 2006, 2007 and 2008.

The need is to widen the existing westbound bridge in order to replace the existing eastbound bridge culvert and to remove the 48” drainage pipes in order to facilitate the discharge of storm water from the Casey Canal. The purpose is to accommodate storm water discharge, prevent the flooding associated with inadequate drainage and to maintain the desirable headwater elevation.

Description of the approved concept: The approved concept proposed widening the existing Westbound Bridge over Casey Canal to replace the existing Eastbound Bridge culvert. The Westbound Bridge is proposed to be widened to accommodate two 12 foot travel lanes, a 20 foot raised median, and a six foot sidewalk in the eastbound direction. The concept also proposed to improve the cross slope of the existing bridge from 3/16 in/ft to 1/4 in/ft in order to improve the drainage of the roadway.

PDP Classification: Major Minor

Federal Oversight: Full Oversight Exempt State Funded Other

Projected Traffic as shown in the approved Concept Report: ADT

Open Year (2003): 22,300

Design Year (2023): 33,000

Updated Traffic: ADT

Open Year (2011): 23,900

Design Year (2031): 32,150

Note: Because this project is a bridge widening project and this widening does not add capacity, the updated traffic volumes shown in this report represent a 2011 open year and a 2031 design year.

Functional Classification (Mainline): Urban Principal Arterial

VE Study anticipated: No Yes Completed – Date:

PROPOSED REVISIONS

Approved Features:	Proposed Features:
The approved Concept Report consisted of widening the existing Westbound Bridge over Casey Canal to replace the existing Eastbound Bridge Culvert. The Westbound Bridge was to be widened to accommodate two 12 foot lanes, a 20 foot raised median and a 6 foot sidewalk in the eastbound direction. The project was also to improve the cross slope of the existing bridge from 3/16 in/ft to 1/4 in/ft in order to improve the drainage of the roadway.	The proposed features to be revised are the typical section and the existing bridge cross slope. The typical section will be revised from 4-lanes separated by a 20-ft raised median to a 5-lane section (20-ft flush median). The bridge cross slope will be revised from a 1/4 in/ft cross slope to maintaining its existing cross slope of 3/16 in/ft.
<p>Reason(s) for change: The typical section was revised to reduce cost and to maintain a consistent typical section throughout this corridor. The conceptual bridge cross slope was revised in order to eliminate jacking the existing structure under traffic to increase the existing cross slope only. The 3/16in/ft also matches the final bridge plans.</p>	

ENVIRONMENTAL

Air Quality:

- Is the project located in a PM 2.5 Non-attainment area? No Yes
- Is the project located in an Ozone Non-attainment area? No Yes
- Is a Carbon Monoxide hotspot analysis required? No Yes

Potential environmental impacts of proposed revision:

The project footprint is reduced and consequently the environmental impacts are reduced as a result of not raising the grade and not modifying the cross slope of the existing structure. There are no anticipated effects to the environmental / project schedule.

Have proposed revisions been reviewed by environmental staff? No Yes

Environmental responsibilities (Studies/Documents/Permits):

There is no additional work required as a result of the proposed revised concept.

Environmental impacts by section:

NEPA:

The environmental document will need to be reevaluated due to the proposed concept changes and because the last reevaluation was approved July 28, 2009.

Ecology:

There are no effects to protected species and their habitats, streams, wetlands, etc. Additional surveys are not required.

Archeology:

There are no effects to archeological resources. Additional surveys are not required.

History:

There are no effects to historic resources as a result of the proposed revision. No additional surveys are required.

Air & Noise:

There are no effects to air/noise analysis. Additional modeling will not be required.

Public Involvement:

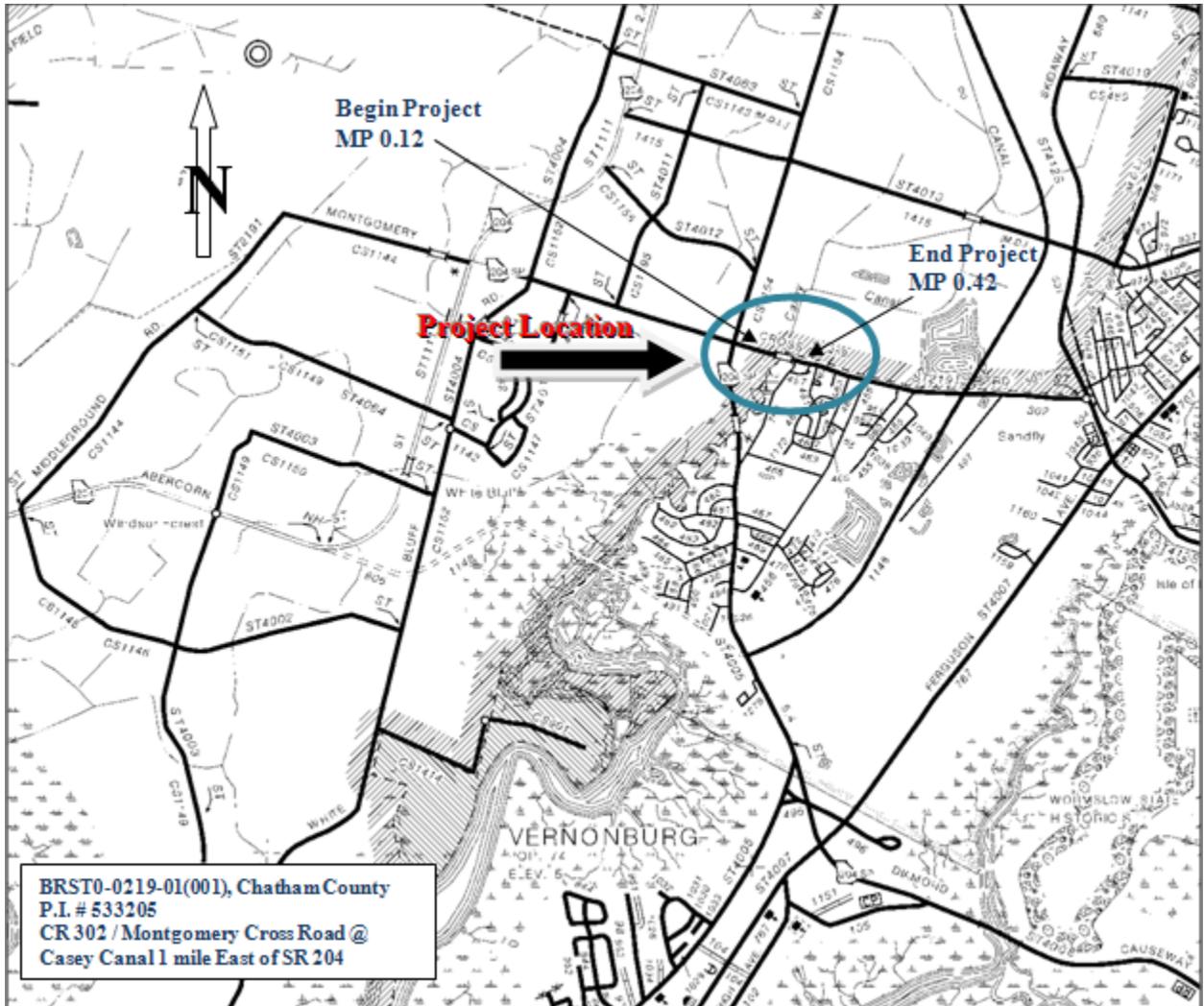
No additional public outreach will be required as a result of the revision.

PROJECT COST & ADDITIONAL INFORMATION

Updated Cost Estimate		Date of Estimate
Base Construction Cost:	\$1,139,174.65	12/4/2012
Engineering and Inspection:	\$56,958.73	12/7/2012
Liquid AC Adjustment:	\$25,430.28	12/7/2012
<u>Total Construction Cost:</u>	<u>\$1,221,563.66</u>	
Right-of-Way:	\$729,000.00	7/17/2012
Utilities (reimbursable costs):	\$240,000.00	7/9/2012
Environmental Mitigation:	N/A	
TOTAL PROJECT COST:	2,190,563.66	

Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Comments: The Highway Safety Manual (HSM) has been referenced for the availability of a Predictive analysis using a Safety Performance Function (SPF) with associated Crash Modification Factors (CMF) to provide a predicted average crash frequency. The HSM classifies the roadway on this project as an urban arterial with two travel lanes in each direction and a center two-way left turn lane (TWLTL). The HSM indicates a complete Predictive Method analysis can be completed using a CMF for the TWLTL; however, a CMF is not provided for the SPF to account for the TWLTL; therefore, no complete Predictive Method analysis is available. Also, this bridge widening project has approximately 675 feet and 760 feet of roadway on the bridge approaches. GDOT Office of Roadway Design policy directs that HSM analysis is not accomplished for bridge projects with 0.5-mile or less of roadway construction on each bridge approach, thus a HSM analysis is not included.



PROJ. NO.:
P.I. NO. 533205
DATE: 12/7/2012

Base Construction Cost		\$	1,139,174.65
E & I	5%	\$	56,958.73
Construction Contingency	0%	\$	-
Subtotal Construction Cost		\$	1,196,133.38
Liquid AC Adjustment (50 % cap)		\$	25,430.28
Total Construction Cost		\$	1,221,563.66

Processed Date: 12/4/12

DETAILED COST ESTIMATE**Job: 533205**

JOB NUMBER: 533205

FED/STATE PROJECT NUMBER BRST0-0219-01(001)

SPEC YEAR: 01

DESCRIPTION: CR 302/MONTGOMERY CROSS RD @ CASEY CANAL 1 MI E OF SR 204
BR WIDENING- NO ADDED CAPACITY

ITEMS FOR JOB 533205**0010 - ROADWAY**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$200,000.00000	TRAFFIC CONTROL - BRST0-0219-01(001)	\$200,000.00
0009	204-0001	1530.000	CY	\$25.00000	CHANNEL EXCAVATION	\$38,250.00
0010	210-0100	1.000	LS	\$100,000.00000	GRADING COMPLETE - BRST0-0219-01(001)	\$100,000.00
0015	310-5120	1591.000	SY	\$21.34526	GR AGGR BS CRS 12IN INCL MATL	\$33,960.31
0024	402-1812	2.000	TN	\$68.95196	RECYL AC LEVELING,INC BM&HL	\$137.90
0025	402-3121	295.000	TN	\$91.16746	RECYL AC 25MM SP,GP1/2,BM&HL	\$26,894.40
0030	402-3190	148.000	TN	\$74.90627	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$11,086.13
0034	402-4510	1001.000	TN	\$89.33914	RECYL AC 12.5 MM SP,GP2ONLY,INC P-MBM&HL	\$89,428.48
0035	413-1000	540.000	GL	\$3.45968	BITUM TACK COAT	\$1,868.23
0042	432-5010	10755.000	SY	\$2.35543	MILL ASPH CONC PVMT,VARB DEPTH	\$25,332.65
0043	433-1000	310.000	SY	\$135.33980	REINF CONC APPROACH SLAB	\$41,955.34
0044	441-0104	310.000	SY	\$41.27788	CONC SIDEWALK, 4 IN	\$12,796.14
0405	441-0740	42.000	SY	\$35.03517	CONC MEDIAN, 4 IN	\$1,471.48
0410	441-5002	62.000	LF	\$16.17549	CONC HEADER CURB, 6", TP 2	\$1,002.88
0045	441-6222	282.000	LF	\$20.32726	CONC CURB & GUTTER/ 8"X30"TP2	\$5,732.29
0050	550-1180	54.000	LF	\$43.54773	STM DR PIPE 18",H 1-10	\$2,351.58
0415	550-4224	1.000	EA	\$690.94298	FLARED END SECT 24 IN, ST DR	\$690.94
0060	641-1100	94.000	LF	\$57.51934	GUARDRAIL, TP T	\$5,406.82
0065	641-1200	112.000	LF	\$19.41551	GUARDRAIL, TP W	\$2,174.54
0070	641-5012	2.000	EA	\$1,901.78576	GUARDRAIL ANCHORAGE, TP 12	\$3,803.57
0420	643-8200	265.000	LF	\$2.41729	BARRIER FENCE (ORANGE), 4 FT	\$640.58
0075	668-1100	2.000	EA	\$2,265.37563	CATCH BASIN, GP 1	\$4,530.75
0080	668-2100	2.000	EA	\$1,803.89419	DROP INLET, GP 1	\$3,607.79
0085	668-4300	1.000	EA	\$1,578.44809	STORM SEW MANHOLE, TP 1	\$1,578.45
SUBTOTAL FOR ROADWAY:						\$614,701.25

0020 - BRIDGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0105	500-0100	571.000	SY	\$5.33026	GROOVED CONCRETE	\$3,043.58
0110	500-1006	1.000	LS	\$120,831.92000	SUPERSTR CONCRETE, CL AA, BR NO - BR NO. 1	\$120,831.92
0115	500-3101	50.000	CY	\$477.61179	CLASS A CONCRETE	\$23,880.59
0120	507-9001	718.000	LF	\$79.48721	PSC BEAMS,AASHTO TP I, BR NO - BR NO. 1	\$57,071.82
0125	511-1000	5798.000	LB	\$0.90221	BAR REINF STEEL	\$5,231.01
0130	511-3000	1.000	LS	\$24,613.47000	SUPERSTR REINF STEEL, BR NO - BR NO. 1	\$24,613.47
0135	516-1100	130.000	LF	\$65.21667	ALUM HANDRAIL, STD 3626	\$8,478.17
0140	520-2214	445.000	LF	\$48.90887	PILING, PSC, 14 IN SQ	\$21,764.45
0145	520-2216	450.000	LF	\$51.38894	PILING, PSC, 16 IN SQ	\$23,125.02
0150	520-3214	1.000	EA	\$3,033.99800	TEST PILE, PSC, 14 IN SQ	\$3,034.00
0155	520-3216	1.000	EA	\$4,265.35500	TEST PILE, PSC, 16 IN SQ	\$4,265.36
0160	520-4214	1.000	EA	\$0.04642	LOAD TEST, PSC, 14 IN SQ	\$0.05
0165	520-4216	1.000	EA	\$0.76962	LOAD TEST, PSC, 16 IN SQ	\$0.77
0170	540-1102	1.000	LS	\$50,000.00000	REM OF EX BR, BR NO - BR NO. 1 RIGHT	\$50,000.00
0174	540-1202	1.000	LS	\$30,000.00000	REM OF PARTS OF EX BR, BR NO - BR NO. 1 LEFT	\$30,000.00
0175	603-2024	1134.000	SY	\$52.42251	STN DUMPED RIP RAP, TP 1, 24"	\$59,447.13
0180	603-7000	1134.000	SY	\$2.57196	PLASTIC FILTER FABRIC	\$2,916.60
0185	620-0100	370.000	LF	\$33.82929	TEMP BARRIER, METHOD NO. 1	\$12,516.84
SUBTOTAL FOR BRIDGE:						\$450,220.78

DETAILED COST ESTIMATE**Job: 533205****0030 - TEMPORARY EROSION CONTROL**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0245	163-0232	1.000	AC	\$392.00000	TEMPORARY GRASSING	\$392.00
0250	163-0240	9.000	TN	\$161.32920	MULCH	\$1,451.96
0255	163-0300	2.000	EA	\$1,509.01466	CONSTRUCTION EXIT	\$3,018.03
0270	163-0503	1.000	EA	\$402.51400	CONSTR AND REMOVE SILT CONTROL GATE, TP 3	\$402.51
0260	163-0529	260.000	LF	\$4.59628	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$1,195.03
0265	163-0550	4.000	EA	\$222.65589	CONS & REM INLET SEDIMENT TRAP	\$890.62
0275	165-0020	100.000	LF	\$2.10000	MAINT OF TEMP SILT FENCE, TP B	\$210.00
0279	165-0030	260.000	LF	\$1.16360	MAINT OF TEMP SILT FENCE, TP C	\$302.54
0280	165-0071	260.000	LF	\$1.35136	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$351.35
0285	165-0087	1.000	EA	\$116.16370	MAINT OF SILT CONTROL GATE, TP 3	\$116.16
0288	165-0101	2.000	EA	\$401.04232	MAINT OF CONST EXIT	\$802.08
0289	165-0105	4.000	EA	\$72.78744	MAINT OF INLET SEDIMENT TRAP	\$291.15
0290	167-1000	1.000	EA	\$245.77000	WATER QUALITY MONITORING AND SAMPLING	\$245.77
0295	167-1500	12.000	MO	\$860.35037	WATER QUALITY INSPECTIONS	\$10,324.20
0300	171-0020	200.000	LF	\$1.16000	TEMPORARY SILT FENCE, TYPE B	\$232.00
0304	171-0030	520.000	LF	\$3.12766	TEMPORARY SILT FENCE, TYPE C	\$1,626.38
0305	550-2180	100.000	LF	\$28.97294	SIDE DR PIPE 18",H 1-10	\$2,897.29
SUBTOTAL FOR TEMPORARY EROSION CONTROL:						\$24,749.07

0040 - PERMANENT EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0240	163-0240	3.000	TN	\$161.32920	MULCH	\$483.99
0190	603-1012	360.000	SY	\$54.10000	STN PLAIN RIP RAP, 12 IN	\$19,476.00
0235	603-2180	1.000	SY	\$91.57134	STN DUMPED RIP RAP, TP 3, 12"	\$91.57
0230	603-2181	6.000	SY	\$89.32521	STN DUMPED RIP RAP, TP 3, 18"	\$535.95
0195	603-7000	360.000	SY	\$2.69013	PLASTIC FILTER FABRIC	\$968.45
0200	700-6910	1.000	AC	\$991.71168	PERMANENT GRASSING	\$991.71
0205	700-7000	3.000	TN	\$96.69731	AGRICULTURAL LIME	\$290.09
0215	700-8000	1.000	TN	\$487.02511	FERTILIZER MIXED GRADE	\$487.03
0220	700-8100	50.000	LB	\$3.28644	FERTILIZER NITROGEN CONTENT	\$164.32
0229	716-2000	126.000	SY	\$1.84525	EROSION CONTROL MATS, SLOPES	\$232.50
0244	721-1055	128.000	SY	\$5.00000	FAB FORMED CONC REVETMENT MAT - 3.5 IN THICK	\$640.00
SUBTOTAL FOR PERMANENT EROSION CONTROL:						\$24,361.61

0050 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0310	636-1020	10.000	SF	\$16.52360	HWY SGN,TP1MAT,REFL SH TP3	\$165.24
0315	636-1033	95.000	SF	\$18.03964	HWY SIGNS, TP1MAT,REFL SH TP 9	\$1,713.77
0320	636-1041	20.000	SF	\$30.31641	HWY SIGNS,TP 2MAT,REFL SH TP 9	\$606.33
0325	636-2070	115.000	LF	\$7.83420	GALV STEEL POSTS, TP 7	\$900.93
0330	636-2080	112.000	LF	\$9.75212	GALV STEEL POSTS, TP 8	\$1,092.24
0335	653-0120	6.000	EA	\$81.05089	THERM PVMT MARK, ARROW, TP 2	\$486.31
0340	653-1501	2730.000	LF	\$0.65108	THERMO SOLID TRAF ST 5 IN, WHI	\$1,777.45
0345	653-1502	1990.000	LF	\$0.64969	THERMO SOLID TRAF ST, 5 IN YEL	\$1,292.88
0350	653-1704	60.000	LF	\$5.06513	THERM SOLID TRAF STRIPE,24",WH	\$303.91
0354	653-1804	545.000	LF	\$2.08879	THERM SOLID TRAF STRIPE, 8",WH	\$1,138.39
0355	653-3501	2990.000	GLF	\$0.36845	THERMO SKIP TRAF ST, 5 IN, WHI	\$1,101.67
0360	653-3502	1910.000	GLF	\$0.26934	THERMO SKIP TRAF ST, 5 IN, YEL	\$514.44
0365	653-6004	55.000	SY	\$3.91080	THERM TRAF STRIPING, WHITE	\$215.09
0370	653-6006	755.000	SY	\$3.58151	THERM TRAF STRIPING, YELLOW	\$2,704.04
0375	654-1001	70.000	EA	\$4.66867	RAISED PVMT MARKERS TP 1	\$326.81
0380	654-1003	48.000	EA	\$5.00000	RAISED PVMT MARKERS TP 3	\$240.00
0385	657-1085	350.000	LF	\$6.26188	PRF PL SD PVT MKG,8",B/W,TP PB	\$2,191.66
0390	657-3085	350.000	GLF	\$3.47909	PRF PL SK PVMT MKG,8",B/W,TPPB	\$1,217.68
0395	657-5002	383.000	SY	\$18.67651	PREFORMED PLASTIC PVMT MKG, YE, TP PB	\$7,153.10
SUBTOTAL FOR SIGNING AND MARKING:						\$25,141.94

TOTALS FOR JOB 533205

DETAILED COST ESTIMATE**Job: 533205**

ITEMS COST:	\$1,139,174.65
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$1,139,174.65
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,139,174.65

PROJ. NO.	BRST0-0219-01(001)
P.I. NO.	533205
DATE	12/7/2012

CALL NO.

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Dec-12	\$ 3.276
DIESEL		\$ 3.997
LIQUID AC		\$ 568.00

Link to Fuel and AC Index:

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

LIQUID AC ADJUSTMENTS

$$PA = \left(\frac{APM - APL}{APL} \right) \times TMT \times APL$$

Asphalt

Price Adjustment (PA)				24639.84	\$	24,639.84
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	908.80		
Monthly Asphalt Cement Price month project let (APL)			\$	568.00		
Total Monthly Tonnage of asphalt cement (TMT)				72.3		

ASPHALT	Tons	%AC	AC ton
Leveling	2	5.0%	0.1
12.5 OGFC		5.0%	0
12.5 mm	1001	5.0%	50.05
9.5 mm SP		5.0%	0
25 mm SP	295	5.0%	14.75
19 mm SP	148	5.0%	7.4
	1446		72.3

BITUMINOUS TACK COAT

Price Adjustment (PA)				\$	790.44	\$	790.44
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	908.80			
Monthly Asphalt Cement Price month project let (APL)			\$	568.00			
Total Monthly Tonnage of asphalt cement (TMT)							2.319354498

Bitum Tack

Gals	gals/ton	tons
540	232.8234	2.3193545

PROJ. NO. BRST0-0219-01(001)
P.I. NO. 533205
DATE 12/7/2012

CALL NO.

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)					0	\$	-
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	908.80			
Monthly Asphalt Cement Price month project let (APL)			\$	568.00			
Total Monthly Tonnage of asphalt cement (TMT)				0			

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf.Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0
					0

TOTAL LIQUID AC ADJUSTMENT						\$	25,430.28
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GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 7/17/2012 Project: BRSTO-0219-01(01)
 Revised: County: Chatham
 PI: 533205

Description: Montgomery Cross Road @ Casey Canal
 Project Termini: Bridge Replacement

Existing ROW: Varies
 Required ROW: Varies
 Parcels: 2

Land and Improvements \$659,786.63

Proximity Damage \$295,000.00

Consequential Damage \$0.00

Cost to Cures \$0.00

Trade Fixtures \$0.00

Improvements \$125,000.00

Valuation Services \$4,000.00

Legal Services \$38,850.00

Relocation \$4,000.00

Demolition \$0.00

Administrative \$21,500.00

TOTAL ESTIMATED COSTS \$728,136.63

TOTAL ESTIMATED COSTS (ROUNDED) \$729,000.00

Preparation Credits	Hours	Signature

Prepared By: *Jadhne Alexada* CG#: 286999 7/17/2012
 Approved By: *Jadhne Alexada* CG#: 286999 7/17/2012

NOTE: No Market Appreciation is included in this Preliminary Cost Estimate

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BRST0-0219-01(001) CHATHAM
 PI # 5332051

OFFICE: Utilities

DATE: July 9, 2012

FROM: Stephen Thomas, District Utilities Engineer

TO: Aghdas Sootodeh Ghazi, Project Manager

SUBJECT: Utility Cost Estimate- CR 302/MONTGOMERY CROSS ROAD @ CASEY CANAL 1 MIE
 OF SR 204

Per a request received June 19, 2012, from Sonya Sykes, P. E. with GDOT Roadway Design, for a utility cost estimate for this project, a review of relocation plans from the utility owners, preliminary plans and DGN files was made by this office and the following utilities were found to be located within the project limits:

Telephone	AT&T
Water	City of Savannah
Sewer	City of Savannah
CATV	Comcast
Power	Georgia Power Company-Distribution Georgia Power Company-Transmission
Gas	Atlanta Gas Light

This project is the replacement of a bridge culvert on eastbound CR 302/ Montgomery Cross Road over Casey Canal, 1.0 mile east of SR 204 in Savannah, Georgia.

Continued.....

FILE: BRST0-0219-01(001) CHATHAM PI # 5332051 continued

All existing facilities appear to be on existing R/W. This office has been advised that Georgia Power Company-Transmission (formerly Savannah Electric-Transmission) has prior rights. Since the City of Savannah is the sponsor of this project they are responsible for utility relocation cost unless the utility is there by permit and/or franchise agreement.

This estimate is based upon preliminary plans and DGN files.

TELEPHONE

The existing telecommunication facilities that appear to be in conflict belong to **AT&T**;

AT&T has facilities at the following locations;

AT&T has approximately 2,380 LF of telephone cables from STA 106+00, the beginning of the project to STA 122+17, the end of the project, this includes 1,617 LF of duct bank, 4 manholes, 763 buried cable, handholds and pedestals.

Facilities in conflict only include 215 LF of duct bank to be relocated; the estimated cost to **AT&T** for this non-reimbursable relocation is \$42,000.00.

These are the known facilities belonging to **AT&T**; the total estimated cost to **AT&T** is \$42,000.00. The estimated non-reimbursable cost amounts to \$42,000.00; the estimated reimbursable cost amounts to \$0.00.

WATER

The water facilities that appear to be in conflict belong to **City of Savannah**.

City of Savannah has facilities at the following locations;

City of Savannah has approximately 4,587 LF of water mains from STA 106+00, the beginning of the project to STA 122+17, the end of the project consisting of 16" DI, 14" DI, 12" PVC, 8" AC, 8" CI, 6" PVC, 4" PVC and 1.5" PVC plus 6 fire hydrants, valves and water meters.

City of Savannah has approximately 312 LF of 8" AC water main that will need to be completely removed from the project, 318 LF 16" DI water main which will need to be relocated and 1 fire hydrant which will need to be removed and/or relocated.

These are the known facilities belonging to **City of Savannah**; the total estimated cost to **City of Savannah** is \$122,600.00. The estimated non-reimbursable cost amounts to \$122,600.00; the estimated reimbursable cost amounts to \$0.00.

Continued.....

FILE: BRST0-0219-01(001) CHATHAM PI # 5332051 continued

SEWER

There are no sewer facilities that appear to be in conflict belonging to **City of Savannah**.

City of Savannah has facilities at the following locations;

City of Savannah has approximately 1,000 LF of sewer mains from STA 106+00, the beginning of the project to STA 122+17, the end of the project consisting of 8" PVC gravity sewer, manholes and 8" PVC force main.

City of Savannah has no known sewer facilities in conflict with project.

CATV

The existing cable TV facilities that appear to be in conflict belong to **Comcast**.

Comcast has facilities at the following locations;

Comcast has approximately 7,212 LF of cable TV from STA 106+00, the beginning of the project to STA 122+17, the end of the project, this includes aerial and buried cable, poles, handholds and pedestals.

Facilities in conflict only include 3,100 LF of aerial cable to be relocated; the estimated cost to **Comcast** for this non-reimbursable relocation is \$15,500.00.

These are the known facilities belonging to **Comcast**; the total estimated cost to **Comcast** is \$15,500.00. The estimated non-reimbursable cost amounts to \$15,500.00; the estimated reimbursable cost amounts to \$0.00.

POWER

The existing power facilities that appear to be in conflict on this project belong to **Georgia Power Company-Distribution, Georgia Power Company-Transmission;**

Georgia Power Company-Distribution has facilities at the following locations;

Georgia Power Company-Distribution has approximately 2,340 LF of aerial distribution facilities from STA 106+00, the beginning of the project to STA 122+17, the end of the project, this includes aerial electric and poles.

Continued.....

FILE: BRST0-0219-01(001) CHATHAM PI # 5332051 continued

Facilities in conflict only include 650 LF of aerial distribution facilities to be relocated; the estimated cost to **Georgia Power Company-Distribution** for this relocation is \$50,000.00.

These are the known facilities belonging to **Georgia Power Company-Distribution**; the total estimated cost to **Georgia Power Company-Distribution** is \$50,000.00. The estimated non-reimbursable cost amounts to \$10,000.00; the estimated reimbursable cost amounts to \$40,000.00.

Georgia Power Company-Transmission has facilities at the following locations;

Georgia Power Company-Transmission has approximately 1,617 LF of aerial transmission facilities from STA 106+00, the beginning of the project to STA 122+17, the end of the project, this includes aerial electric and poles.

Facilities in conflict only include 550 LF of aerial transmission facilities including 4 concrete poles to be relocated; the estimated cost to **Georgia Power Company-Transmission** for this relocation is \$200,000.00.

These are the known facilities belonging to **Georgia Power Company-Transmission**; the total estimated cost to **Georgia Power Company-Transmission** is \$200,000.00. The estimated non-reimbursable cost amounts to \$0.00; the estimated reimbursable cost amounts to \$200,000.00.

Gas

There are no natural gas facilities that appear to be in conflict belonging to **Atlanta Gas Light**

Atlanta Gas Light facilities at the following locations;

Atlanta Gas Light has approximately 1,428 LF of buried natural gas mains from STA 106+00, the beginning of the project to STA 122+17, the end of the project, this includes 8" and 2" steel medium pressure mains and valves.

Atlanta Gas Light has no known natural gas facilities in conflict with project.

Continued.....

FILE: BRST0-0219-01(001) CHATHAM PI # 5332051 continued

The total estimated non-reimbursable cost for this project is \$190,100.00.

The total estimated reimbursable cost for this project is \$240,000.00.

The total estimated non-reimbursable and reimbursable cost for this project is \$430,100.00.

If there are any questions please contact Teresa Scott at tscott@dot.ga.gov or (912) 427-5754.

Copy:

Angie Robinson, Office of Financial Management (via e-mail)

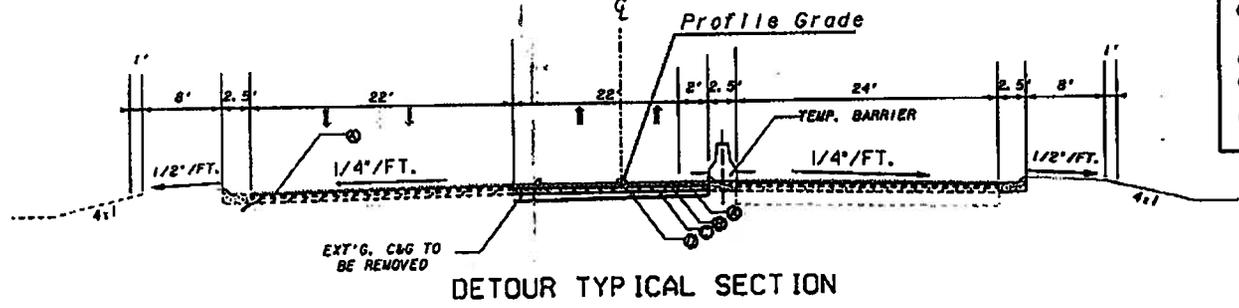
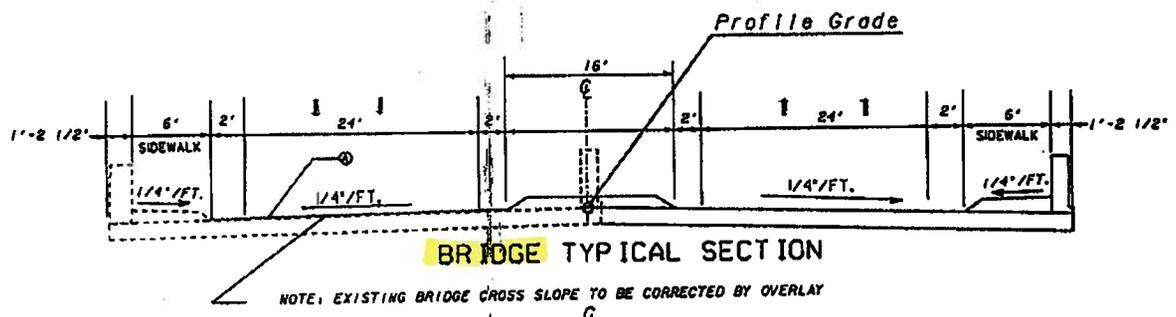
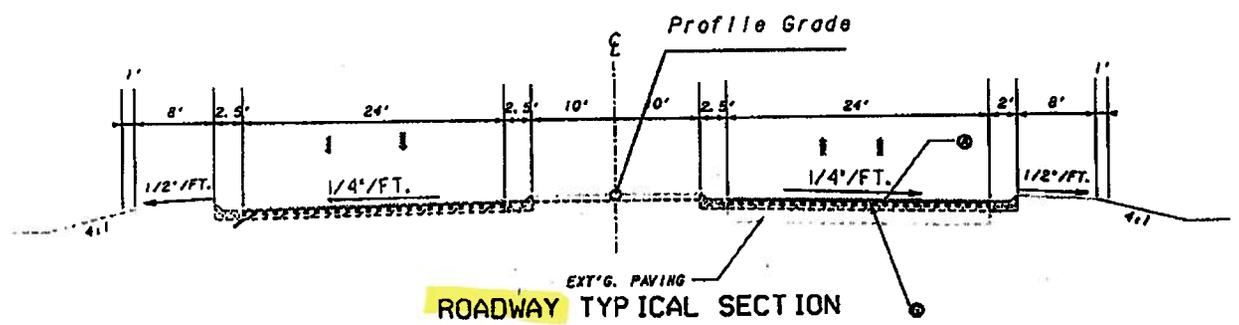
Patrick Allen, Utilities Preconstruction Engineer (via e-mail)

Vahid Munshi, Utilities Preconstruction Engineer (via e-mail)

District Office files

Utility Office Files

STATE	PROJECT NUMBER	SHEET NUMBER
GA.	6805-00-00	10001



- EXPECTED DETOUR PAVEMENT DESIGN**
- ⊙ 165 lb/yd² ASPHALTIC CONCRETE, 12.5 mm SUPERPAVE
 - ⊙ 660 lb/yd² ASPHALTIC CONCRETE, 19mm SUPERPAVE
 - ⊙ 440 lb/yd² ASPHALTIC CONCRETE 25mm SUPERPAVE
 - ⊙ 10 IN GRADED AGGREGATE BASE
 - ⊙ ASPHALTIC CONCRETE LEVELING AS REQUIRED

NOT TO SCALE

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF URBAN DESIGN

TYPICAL SECTION
MONTGOMERY CROSSROAD OVER CASEY CANAL

3/22/2012 2:12:23 PM \\GDOT-DSR\162PLOT\0671067106.dwg 11/20/2012 11:53:205-Rep1 B:\Culvert\MontCrossRd at CaseyCanal\0671067106.dwg

3/22/2012 RAT:R	Thu Mar 22 11:12:24 2012	11/20/2012-Rep1 B:\Culvert\MontCrossRd at CaseyCanal\0671067106.dwg	STATE GA	PROJECT NUMBER RSTO-2118-01(001)	SHEET NO.	TOTAL SHEETS
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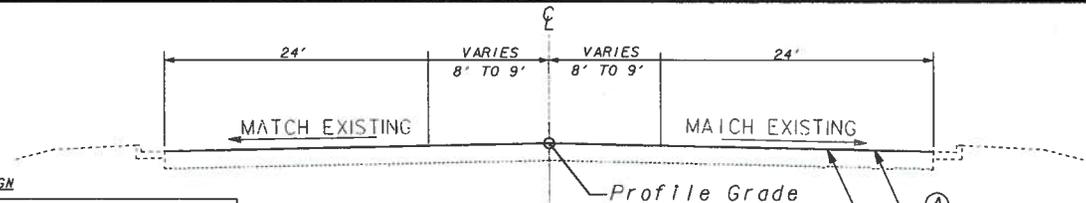
SLOPE CONTROLS		
SLOPE	CUT	FILL
4:1	0-10'	0-10'
3:1	--	--
2:1	MAX	OVER 10'

PAVEMENT DESIGN

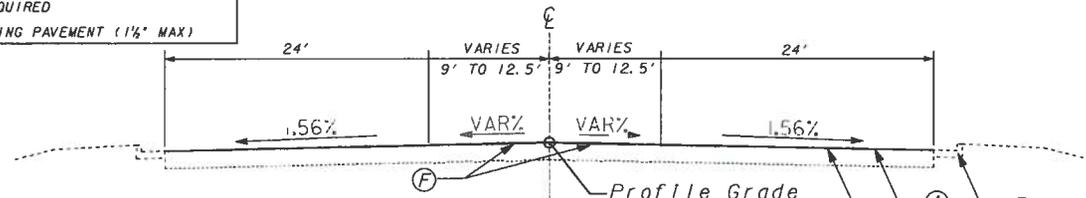
- Ⓐ 165 lb/sy ASPHALTIC CONCRETE, 12.5 mm SUPERPAVE, GP2 Only, Polymer-Modified
- Ⓑ 220 lb/sy ASPHALTIC CONCRETE, 19mm SUPERPAVE
- Ⓒ 440 lb/sy ASPHALTIC CONCRETE, 25mm SUPERPAVE
- Ⓓ 12 IN GRADED AGGREGATE BASE
- Ⓔ GA STD 9032-B 8" X 30" CONC CURB & GUTTER, TYPE 2 CURB FACE
- Ⓕ ASPHALTIC CONCRETE LEVELING AS REQUIRED
- Ⓖ MILLING - VARIABLE DEPTH OF EXISTING PAVEMENT (1 1/2" MAX)

NOTE:

USE TYPICAL SECTIONS IN CONJUNCTION WITH CONSTRUCTION PLAN VIEW AND CROSS-SECTIONS VIEW FOR EXACT PAVEMENT WIDTH

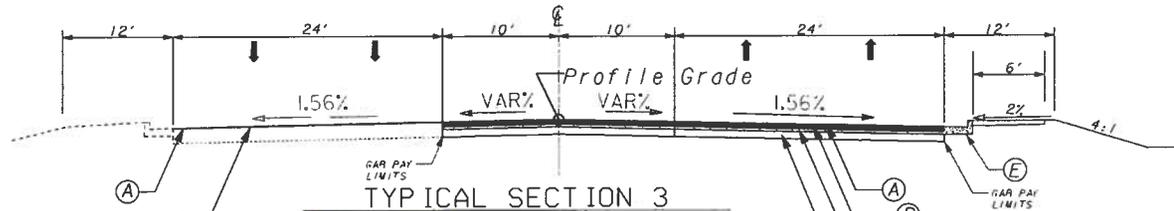


TYPICAL SECTION 1
MILL & OVERLAY
STA 106+00.00 TO STA 106+50.00
STA 121+50.00 TO STA 122+00.00



TYPICAL SECTION 2
MILL & OVERLAY
STA 106+50.00 TO STA 111+77.42
STA 115+40.68 TO STA 117+00.00
STA 120+00.00 TO STA 121+50.00

Ⓔ ONLY FROM STA 111+00.00 TO STA 111+77.42



TYPICAL SECTION 3
ROADWAY TYPICAL SECTION
STA 111+77.42 TO STA 113+03.05
STA 114+13.50 TO STA 115+40.68

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

NOT TO SCALE

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN

TYPICAL SECTIONS

CR302/MONTGOMERY CROSS RD @
CASEY CANAL 1 MI E OF SR204

DRAWING NO.
5-01

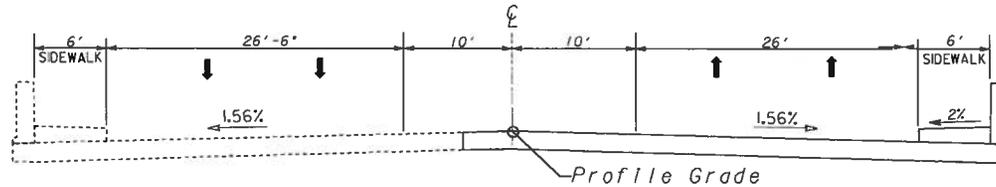
Revised Concept Report Typical

3/22/2012 2:12:23 PM \\GDOT-DSR\162PLOT\0671067106.dwg 11/20/2012 11:53:205-Rep1 B:\Culvert\MontCrossRd at CaseyCanal\0671067106.dwg

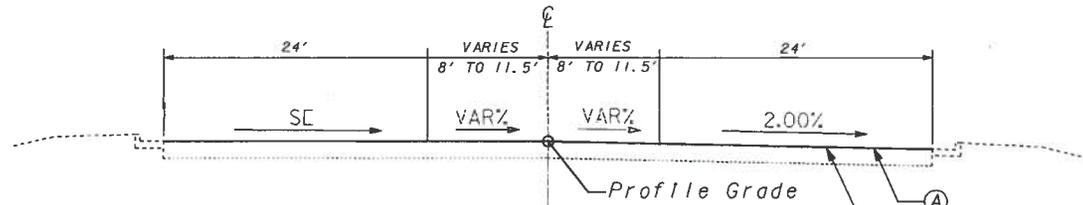
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3/22/2012 sayyaa	Thu Mar 22 14:12:21 2012 \\gdot-drs1\ocf\resources\gdot2007_rfd.rpt	W:\533205-Rep1 BrCulvert-MontCrossRd at CaseyCanal\ODR\533205T102.dgn	STATE GA	PROJECT NUMBER BR310-DRLS-D1(001)	SHEET NO.	TOTAL SHEETS
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SLOPE CONTROLS		
SLOPE	CUT	FILL
4:1	0-10'	0-10'
3:1	--	--
2:1	MAX	OVER 10'



TYPICAL SECTION 4
BRIDGE TYPICAL SECTION
 STA 113+03.05 TO STA 114+13.50



TYPICAL SECTION 5
 SE MILL & OVERLAY
 STA 117+00.00 TO STA 120+00.00

PAVEMENT DESIGN

- Ⓐ 165 lb/sy ASPHALTIC CONCRETE, 12.5 mm SUPERPAVE, GP2 Only, Polymer-Modified
- Ⓑ 220 lb/sy ASPHALTIC CONCRETE, 19mm SUPERPAVE
- Ⓒ 440 lb/sy ASPHALTIC CONCRETE, 25mm SUPERPAVE
- Ⓓ 12 IN GRADED AGGREGATE BASE
- Ⓔ GA STD 9032-B 8" X 30" CONC CURB & GUTTER, TYPE 2 CURB FACE
- Ⓕ ASPHALTIC CONCRETE LEVELING AS REQUIRED
- Ⓖ MILLING - VARIABLE DEPTH OF EXISTING PAVEMENT (1 1/2" MAX)

NOTE:

USE TYPICAL SECTIONS IN CONJUNCTION WITH CONSTRUCTION PLAN VIEW AND CROSS-SECTIONS VIEW FOR EXACT PAVEMENT WIDTH

GEORGIA
 DEPARTMENT
 OF
 TRANSPORTATION

NOT TO SCALE

REVISION DATES

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: ROADWAY DESIGN

TYPICAL SECTIONS

CR302/MONTGOMERY CROSS RD @
 CASEY CANAL 1 MI E OF SR204

DRAWING NO.
5-02

Revised Concept Report Typicals

3/22/2012 2:12:20 PM \\GDOT-DRS1\G0PLOT\OCF\06-1p0000.qrf sayyaa W:\533205-Rep1 BrCulvert-MontCrossRd at CaseyCanal\ODR\533205T102.dgn



Processed Date:1/10/2013

Bridge Inventory Data Listing

Parameters: Bridge Serial Num

Structure ID:051-0139-0		Chatham		SUFF. RATING: 88.87	
Location & Geography			Signs & Attachments		
Structure ID:	051-0139-0	*104 Highway System:	0	225 Expansion Joint Type:	00
200 Bridge Information:	07	*26 Functional Classification:	14	242 Deck Drains:	0
*6A Feature Int:	CASEY CANAL	*204 Federal Route Type:	F No: 1111S	243 Parapet Location:	0
*6B Critical Bridge:	0	105 Federal Lands Highway:	0	Height:	0
*7A Route No Carried:	CR00302	*110 Truck Route:	0	Width:	0
*7B Facility Carried:	MONTGOMERY CROSS	2006 School Bus Route:	1	238 Curb Height:	1
9 Location:	1 MI E OF SR 204 (IN SAV)	217 Benchmark Elevation:	0000.00	Curb Material:	1
2 Dot District:	5	218 Datum:	0	239 Handrail:	0 0
207 Year Photo:	2012	*19 Bypass Length:	01	*240 Medium Barrier Rail:	0
*91 Inspection Frequency:	24 Date: 07/23/2012	*20 Toll:	3	241 Bridge Median Height:	0
92A Fract Crit Insp Freq:	0 Date: 02/01/1901	*21 Maintanance:	02	* Bridge Median Width:	0
92B Underwater Insp Freq:	0 Date: 02/01/1901	*22 Owner:	02	230 Guardrail Loc. Dir. Rear:	3
92C Other Spc. Insp Freq:	0 Date: 02/01/1901	*31 Design Load:	2	Fwr:	3
* 4 Place Code:	69000	37 Historical Significance:	5	Oppo. Dir. Rear:	0
*5 Inventory Route(O/U):	1	205 Congressional District:	12	Oppo. Fwr:	0
Type:	5	27 Year Constructed:	1930	244 Aproach Slab	0
Designation:	1	106 Year Reconstructed:	0000	224 Retaining Wall:	0
Number:	04001	33 Bridge Medium:	1	233Posted Speed Limit:	40
Direction:	0	34 Skew:	00	236 Warning Sign:	0.00
*16 Latitude:	31 59.5882 HMMS Prefix:	35 Structure Flared:	0	234 Delineator:	0.00
*17 Longitude:	81 -06.0733 HMMS Suffix: MP:0.00	38 Navigation Control:	0	235 Hazzard Boards:	0
98 Border Bridge:	000%Shared:00	213 Special Steel Design:	0	237 Utilities Gas:	00
99 ID Number:	0000000000000000	267 Type of Paint:	0	Water:	00
*100 STRAHNET:	0	*42 Type of Service On:	5	Electric:	00
12 Base Highway Network:	1	Type of Service Under:	5	Telephone:	00
13A LRS Inventory Route:	512030200	214 Movable Bridge:	0	Sewer:	31
13B Sub Inventory Route:	0	203 Type Bridge:	Q	247 Lighting Street:	0
101 parallel Structure:	R	259 Pile Encasement	3	Navigation:	0
*102 Direction of Traffic:	1	*43 Structure Type Main:	1 19	Aerial:	0
*264 Road Inventory Mile Post:	000.26	45 No.Spans Main:	002	*248 County Continuity No.:	00
*208 Inspection Area:	5 Initials: EFP	44 Structure Type Appr:	0 00		
Engineer's Initials:	bcn	46 No Spans Appr:	0000		
* Location ID No:	051-04001M-005.99E	226 Bridge Curve Horz	0 Vert: 0		
		111 pier Protection	0		
		107 Deck Structure Type:	N		
		108 Wearing Structure Type:	N		
		Membrane Type:	N		
		Deck Protection:	N		



Processed Date:1/10/2013

Bridge Inventory Data Listing

Parameters: Bridge Serial Num

Structure ID:051-0139-0

Programming Data		Measurements:				
201 Project No:	UNKNOWN	*29ADT	019860	Year:2011	65 Inventory Rating Method:	0
202 Plans Available:	0	109%Trucks:	0		63 Operating Rating Method:	0
249 Prop Proj No:	BRST-219-1 (1)	* 28 Lanes On:	02	Under:00	66 Inventory Type:	2 Rating: 27
250 Approval Status:	0000	210 No. Tracks On:	00	Under:00	64 Operating Type:	2 Rating: 27
251 PI Number:	533205-	* 48 Max. Span Length	0015		231Calculated Loads:	
252 Contract Date:	02/01/2005	* 49 Structure Length:	52		H-Modified:	00 0
260 Seismic No:	00000	51 Br. Rwdy. Width	0.00		HS-Modified:	00 0
75 Type Work:	00 0	52 Deck Width:	0.00		Type 3:	00 0
94 Bridge Imp. Cost:	\$0	* 47 Tot. Horiz. Cl:	26		Type 3s2:	00 0
95 Roadway Imp. Cost:	0	50 Curb / Sidewalk Width	0.00 / 6.00		Timber:	00 0
96 Total Imp Cost:	0	32 Approach Rdwy. Width	026		Piggyback:	00 0
76 Imp Length:	000000	*229 Shoulder Width:			261 H Inventory Rating:	15
97 Imp Year:	0000	Rear Lt:	2.00	Type:2 Rt:0.00	262 H Operating Rating	25
114Future ADT:	029790	Fwd. Lt:	2.00	Type:2 Rt:0.00	67 Structural Evaluation:	6
		Permanent Width:			58 Deck Condition:	N
		Rear:	24.00	Type:2	59 Superstructure Condition:	N
			24.00	Type:2	* 227 Collision Damage:	0
		Intersaction Rear:	0	Fwd: 1	60A Substructure Condition:	N
		36Safety Features Br. Rail:	2		60B Scour Condition:	8
		Transition:	2		60C Underwater Condition	N
		App. G. Rail:	1		71 Waterway Adequacy:	8
		App. Rail End:	2		61 Channel Protection Cond.:	7
		53 Minimum Cl. Over:	99' 99 "		68 Deck Geometry:	N
		Under:			69 UnderClr. Horz/Vert:	N
		*228 Minimum Vertical Cl			72 Appr. Alignment:	8
		Act. Odm Dir.:	99' 99"		62 Culvert:	6
		Oppo. Dir:	99' 99"		Posting Data	
		Posted Odm. Dir:	00' 00"		70 Bridge Posting Required	5
		Oppo. Dir:	00' 00"		41 Struct Open, Posted, CL:	A
		55 Lateral Undercl. Rt:	N 0 0		* 103 Temporary Structure:	0
		56 Lateral Undercl. Lt:	0.00		232 Posted Loads	
		*10 Max Min Vert Cl:	99' 99" Dir:0		H-Modified:	00
		39 Nav Vert Cl:	000 Horiz:0000		HS-Modified:	00
		116 Nav Vert Cl Closed:	000		Type 3:	00
		245 Deck Thickness Main	0.00		Type 3s2:	00
		Deck Thick Approach:	0.00		Timber:	00
		246 Overlay Thickness:	0.00		Piggyback	00
		212 Year Last Painted:	Sup:0000Sub:0000		253 Notification Date:	02/01/1901
					258 Fed Notify Date:	2/1/1901 12:00:00AM



Processed Date:1/10/2013

Bridge Inventory Data Listing

Parameters: Bridge Serial Num

Structure ID:051-5029-0		Chatham		SUFF. RATING: 79.08	
Location & Geography			Signs & Attachments		
Structure ID:	051-5029-0	*104 Highway System:	0	225 Expansion Joint Type:	02
200 Bridge Information:	06	*26 Functional Classification:	14	242 Deck Drains:	0
*6A Feature Int:	CASEY CANAL	*204 Federal Route Type:	F No: 1111S	243 Parapet Location:	0
*6B Critical Bridge:	0	105 Federal Lands Highway:	0	Height:	0
*7A Route No Carried:	CR00302	*110 Truck Route:	0	Width:	0
*7B Facility Carried:	MONTGOMERY CROSS	2006 School Bus Route:	1	238 Curb Height:	1
9 Location:	1 MI E OF SR 204 (IN SAV)	217 Benchmark Elevation:	0000.00	Curb Material:	0
2 Dot District:	5	218 Datum:	0	239 Handrail:	7 7
207 Year Photo:	2012	*19 Bypass Length:	01	*240 Medium Barrier Rail:	0
*91 Inspection Frequency:	24 Date: 07/23/2012	*20 Toll:	3	241 Bridge Median Height:	0
92A Fract Crit Insp Freq:	0 Date: 02/01/1901	*21 Maintanance:	02	* Bridge Median Width:	0
92B Underwater Insp Freq:	0 Date: 02/01/1901	*22 Owner:	02	230 Guardrail Loc. Dir. Rear:	3
92C Other Spc. Insp Freq:	0 Date: 02/01/1901	*31 Design Load:	5	Fwr:	3
* 4 Place Code:	69000	37 Historical Significance:	5	Oppo. Dir. Rear:	0
*5 Inventory Route(O/U):	1	205 Congressional District:	12	Oppo. Fwr:	0
Type:	5	27 Year Constructed:	1991	244 Aproach Slab	3
Designation:	1	106 Year Reconstructed:	0000	224 Retaining Wall:	0
Number:	04001	33 Bridge Medium:	1	233Posted Speed Limit:	40
Direction:	0	34 Skew:	00	236 Warning Sign:	0.00
*16 Latitude:	31 59.5812 HMMS Prefix:	35 Structure Flared:	0	234 Delineator:	0.00
*17 Longitude:	81 -06.0803 HMMS Suffix: MP:0.00	38 Navigation Control:	0	235 Hazzard Boards:	0
98 Border Bridge:	000%Shared:00	213 Special Steel Design:	0	237 Utilities Gas:	00
99 ID Number:	0000000000000000	267 Type of Paint:	0	Water:	00
*100 STRAHNET:	0	*42 Type of Service On:	5	Electric:	00
12 Base Highway Network:	1	Type of Service Under:	5	Telephone:	00
13A LRS Inventory Route:	512030200	214 Movable Bridge:	0	Sewer:	00
13B Sub Inventory Route:	0	203 Type Bridge:	D	247 Lighting Street:	0
101 parallel Structure:	L	259 Pile Encasement	3	Navigation:	0
*102 Direction of Traffic:	1	*43 Structure Type Main:	5 02	Aerial:	0
*264 Road Inventory Mile Post:	000.27	45 No.Spans Main:	003	*248 County Continuity No.:	00
*208 Inspection Area:	5 Initials: EFP	44 Structure Type Appr:	0 00		
Engineer's Initials:	bcn	46 No Spans Appr:	0000		
* Location ID No:	051-04001M-006.00E	226 Bridge Curve Horz	0 Vert: 0		
		111 pier Protection	0		
		107 Deck Structure Type:	1		
		108 Wearing Structure Type:	1		
		Membrane Type:	8		
		Deck Protection:	8		



Processed Date:1/10/2013

Bridge Inventory Data Listing

Parameters: Bridge Serial Num

Structure ID:051-5029-0

Programming Data		Measurements:				
201 Project No:	PR 302-2 (51) CT.2	*29ADT	019860	Year:2011	65 Inventory Rating Method:	1
202 Plans Available:	3	109%Trucks:	0		63 Operating Rating Method:	1
249 Prop Proj No:	BRST-219-1 (1)	* 28 Lanes On:	02	Under:00	66 Inventory Type:	2 Rating: 44
250 Approval Status:	0000	210 No. Tracks On:	00	Under:00	64 Operating Type:	2 Rating: 44
251 PI Number:	533205-	* 48 Max. Span Length	0036		231Calculated Loads:	
252 Contract Date:	02/01/2003	* 49 Structure Length:	108		H-Modified:	21 0
260 Seismic No:	00000	51 Br. Rwdy. Width	28.00		HS-Modified:	30 0
75 Type Work:	00 0	52 Deck Width:	42.50		Type 3:	29 0
94 Bridge Imp. Cost:	\$0	* 47 Tot. Horiz. Cl:	28		Type 3s2:	40 0
95 Roadway Imp. Cost:	0	50 Curb / Sidewalk Width	6.00 / 6.00		Timber:	37 0
96 Total Imp Cost:	0	32 Approach Rdwy. Width	028		Piggyback:	00 0
76 Imp Length:	000000	*229 Shoulder Width:			261 H Inventory Rating:	31
97 Imp Year:	0000	Rear Lt:	2.00	Type:1 Rt:2.00	262 H Operating Rating	52
114Furure ADT:	029790	Fwd. Lt:	2.00	Type:1 Rt:2.00	67 Structural Evaluation:	7
		Permanent Width:			58 Deck Condition:	8
		Rear:	24.00	Type:1	59 Superstructure Condition:	7
			24.00	Type:2	* 227 Collision Damage:	0
		Intersaction Rear:	1	Fwd: 1	60A Substructure Condition:	7
		36Safety Features Br. Rail:	1		60B Scour Condition:	5
		Transition:	1		60C Underwater Condition	N
		App. G. Rail:	1		71 Waterway Adequacy:	8
		App. Rail End:	1		61 Channel Protection Cond.:	8
		53 Minimum Cl. Over:	99' 99 "		68 Deck Geometry:	3
		Under:			69 UnderClr. Horz/Vert:	N
		*228 Minimum Vertical Cl			72 Appr. Alignment:	8
		Act. Odm Dir.:	99' 99"		62 Culvert:	N
		Oppo. Dir:	99' 99"		Posting Data	
		Posted Odm. Dir:	00' 00"		70 Bridge Posting Required	5
		Oppo. Dir:	00' 00"		41 Struct Open, Posted, CL:	A
		55 Lateral Undercl. Rt:	N 0 0		* 103 Temporary Structure:	0
		56 Lateral Undercl. Lt:	0.00		232 Posted Loads	
		*10 Max Min Vert Cl:	99' 99" Dir:0		H-Modified:	00
		39 Nav Vert Cl:	000 Horiz:0000		HS-Modified:	00
		116 Nav Vert Cl Closed:	000		Type 3:	00
		245 Deck Thickness Main	8.00		Type 3s2:	00
		Deck Thick Approach:	0.00		Timber:	00
		246 Overlay Thickness:	0.00		Piggyback	00
		212 Year Last Painted:	Sup:0000Sub:0000		253 Notification Date:	02/01/1901
					258 Fed Notify Date:	2/1/1901 12:00:00AM