ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. #s 0012599, 0013321 &
MPO # CB-609 formerly PI# 0003770
Bartow County
GDOT District 6 - Cartersville
CR 633/Glade Road Improvements

OFFICE Design Policy & Support

DATE July 7, 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
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Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Richard Cobb, Location Bureau Chief
DeWayne Comer, District Engineer
David Acree, District Preconstruction Engineer
Cherie Marsh, District Planning & Programming Engineer
Keith Day, Acting Area Engineer - D6, A1
Mike Word, Project Manager
BOARD MEMBER - 11th Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTEROFFICE CORRESPONDENCE
LOCATION AND DESIGN REPORT

FILE ~~P.I. # Pending~~
formerly P.I. # 0003770 &
P.I.# 0008960 (completed)
~~Project Number Pending~~
MPO Project Number – CB-609
Bartow County
Glade Road/CR 633 from
Homestead Dr.(CR 605)/Apache Dr
(CR 377) to Ryan Rd.(CR
810)/Yacht Club Rd. (CR 386)
without an exception
Widening & Improvements including
a Bridge Replacement @ Clark
Creek

OFFICE *Program Delivery*

DATE June 9, 2016

FROM *Albert V. Shelby III, State Program Delivery Engineer* Albert Shelby

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

SUBJECT **Request for Location and Design Approval**

Description and Project Proposal:

The approved project number CSSTP-0003-00(770) with P.I.# 0003770 was administratively canceled by GDOT. ~~It is pending approval for a new P.I.#~~ It will be included in the Cartersville-Bartow MPO TIP and LRTP as project number CB-609. The approved project consists of the reconstruction of Glade Road (CR 633) in Bartow County from Homestead Drive (CR605)/Apache Drive (CR 377) to Ryan Road (CR 810)/Yacht Club Road (CR 386) with an exception from just south of Catfish Court (CR 705) to just north of Sugar Hill (CR 389) for a total project length of approximately 3.5 miles. P.I.# 0008960 was created from the exception to PI# 0003770. Its project limits began and ended with the exception's termini for an approximate project length of 0.2 miles. P.I.# 0008960 was completed on July 11, 2014 as alignment improvements for Glade Road include intersections improvements at Catfish Court, Buckthorn Trail and Sugar Hill Road. P.I.# 0008960 was built with 12 foot lanes and 8 foot shoulders of which 2 foot were paved. The existing roadway for Glade Road consists of two 12-foot travel lanes (one in each direction) on approximately 60 feet of right-of-way. The approved project for P.I.# 0003770 would consists of 12 foot lanes with 8 foot shoulders of which 2 foot would be paved. P.I.# 0003770 would improve the roadway to meet 35 mph AASHTO design speed and will require horizontal and vertical realignment in several areas in order to meet the speed design. A rural two lane section will be used throughout the project limits. Existing intersections at connecting streets would be upgraded as necessary to better

accommodate access to and from these side streets. The original concept for PI# 0003770 was approved on July 26, 2007 and revised on August 25 2008. The approved project length is approximately 3.5 miles due to adding a project exception that created and defined the termini for P.I.# 0008960.

Concept Approval Date: The original concept for PI# 0003770 was approved on July 26, 2007 and revised on August 25 2008 to add an exception to PI# 0003770 and create PI# 0008960.

Concept Update: A MPO number was created to validate and provide linkage for the environmental document for PI#s 0003770 (now canceled by GDOT and pending updates ~~and a new PI#~~), PI# 0013321 and PI# 0012599. The MPO Project Number proposes the widening and improvements of Glade Road (CR 633) in Bartow County from Homestead Drive (CR605)/Apache Drive (CR 377) to Ryan Road (CR 810)/Yacht Club Road (CR 386) without an exception. Project PI# 0012599 will be incorporated into MPO project number CB-609 which is a safety project from just north of Clark Circle (CR 708) portion south of Wildflower Trail (CR 786) to just north of Camp Drive. Project PI# 0013321 will also be incorporated into MPO project number CB-609 which is a bridge replacement project at Clark Creek from just north of Misty Valley Drive(CR 549) to just north of Brandy Lane (CR 794).

The project proposes a typical section consisting of two 12 foot lanes. The typical section proposed has 8 foot rural shoulders of which 2 foot will be paved on the left or western side and 14 foot shoulders of which 2 foot is to be paved with 5 foot sidewalk offset 5 foot from the paved shoulder on the right or eastern side. The bridge at Clark Creek will also be replaced within this proposed project. The project length will be approximately 4 miles long.

A design variance will be needed for not accommodating bicycles. This project does not preclude any future improvements to include bicycle improvements. Standard deviations will be needed where the paved shoulders are only 2 foot wide and for the left or west side where the shoulder is proposed as 8 foot wide for this 35 mph urban minor arterial with over 2000 ADT.

Although the environmental document has been approved for the entire Glade Road corridor, Bartow County does not intend to construct improvements along the whole corridor with a single project. Instead, the County has identified smaller portions of the corridor for improvements as funds are available. This approach would not result in a continuous bike lane section throughout the corridor during the LRTP planning period so bike lanes have not been proposed. The two projects currently proposed are PI No. 0012599 and PI No. 013321, each of which is less than a half mile in length. Additionally, the two projects are not contiguous. Addition of a bike lane or bike shoulder to these two projects would result in short segments of disconnected bike lanes that would cause additional impacts to adjacent properties and resources.

Sidewalks had not previously been proposed; however, based upon public support, continued evidence of pedestrian use, and construction of the Allatoona Community Center on Glade Road, Bartow County has decided to include a 5-foot sidewalk along the eastern side of the roadway in PI No. 0012599, PI No. 013321 and future phases of construction.

A sag curve being proposed in this project will need a standard deviation.

Environmental Document:
FONSI Approved 2009 & EA ~~currently pending approval (anticipated by June 30, 2016)~~ Re-evaluation approved July 5, 2016

Public Involvement: (PIOH December 4, 2014, Time: 5:00pm-7:00pm, Setup Time: 3:30 to 4:00, Allatoona Elementary School, 4150 New Hope Church Road, Acworth, Georgia 30102

A total of 115 people attended the open house. Of the 20 respondents who formally commented, 12 were in support of the project, 1 was opposed, 1 was uncommitted, and 6 expressed conditional support.

Major Concerns:

1. *Sidewalks and bicycle lanes are needed, especially with the new community center opening soon*
2. *Sewer is needed*
3. *Straightening the road will speed up traffic. A curvy road with larger shoulders would be better. Speed limit signs and enforcement are needed.*

Public Officials:
Tom Sillis CB-MPO, Joseph Sutton Bartow Co., Lamount Kiser Bartow Co. MPO, Steve Taylor Bartow Co.

Media:
N/A

Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the Cartersville-Bartow MPO TIP and LRTP.

Recommendations: Recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

Concur: Hial Ritch
GDOT Director of Engineering

Approve: Margaret B. Pickell 6/22/16
GDOT Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: July 7, 2016
(To be entered by State Conceptual Design Group Manager)

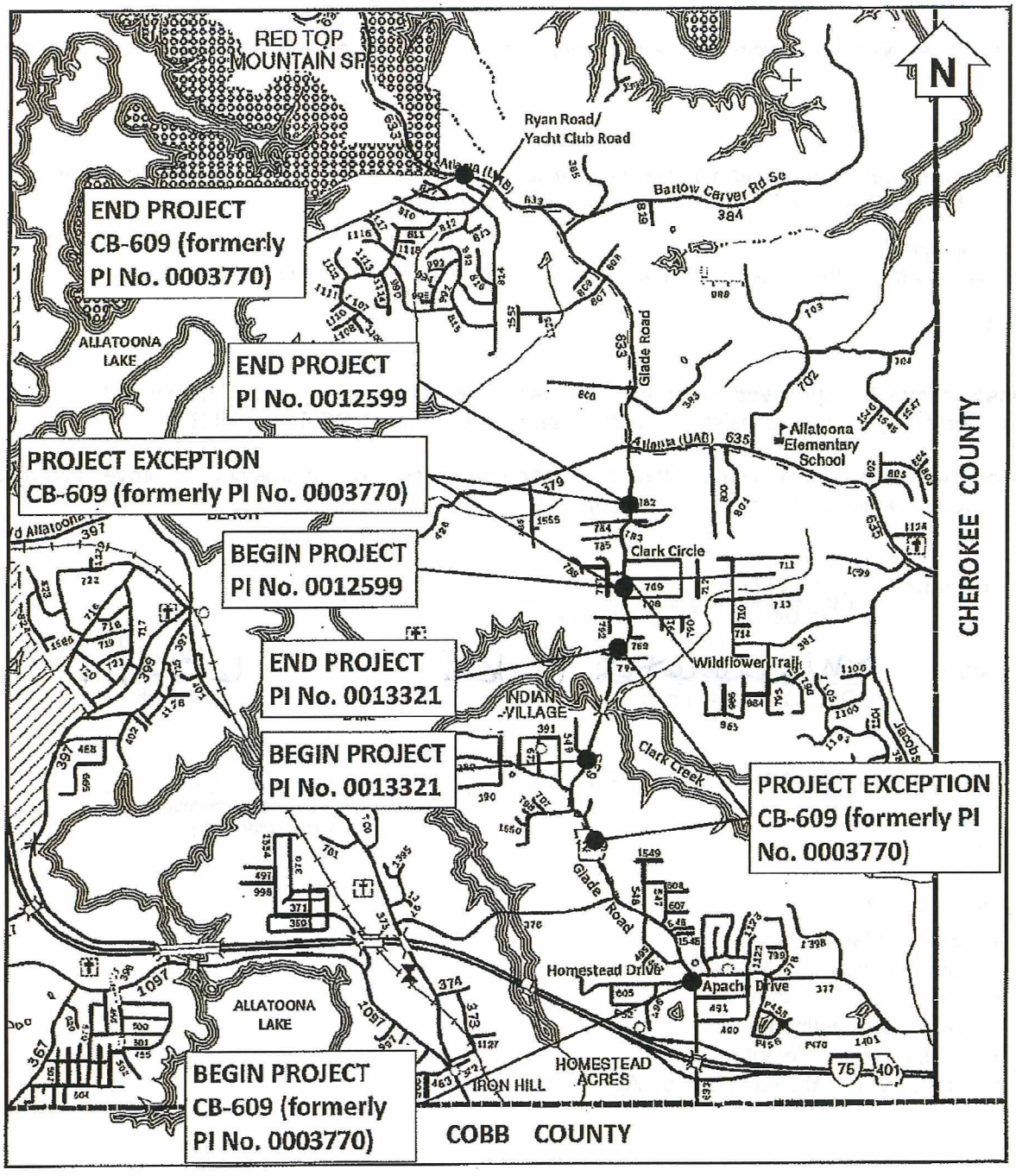
Attachments:

- Sketch Map
- Construction Cost Estimate
- Utility Cost Estimate
- ROW Cost estimate
- CBMPO amendment request
- Notice of Location and Design Approval

PROJECT LOCATION MAP

PROJECT CB-609 (formerly PI NO. 0003770), PI NOS. 0012599 & 0013321, BARTOW COUNTY

CR 633/GLADE ROAD



STATE HIGHWAY AGENCY

DATE : 02/26/2016
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JOB ESTIMATE REPORT

JOB NUMBER : 0013321 SPEC YEAR: 13
DESCRIPTION: CR 633/GLADE RD AT CLARK CREEK

ITEMS FOR JOB 0013321

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - 0013321	1.000	150000.00	150000.00
0010	150-5010		EA	TRAF CTRL,PORTABLE IMPACT ATTN	4.000	7778.09	31112.37
0015	153-1300		EA	FIELD ENGINEERS OFFICE TP 3	1.000	82653.87	82653.87
0020	163-0232		AC	TEMPORARY GRASSING	2.000	421.03	842.08
0025	163-0240		TN	MULCH	77.000	261.75	20155.32
0030	163-0300		EA	CONSTRUCTION EXIT	4.000	1339.94	5359.79
0035	163-0503		EA	CONSTR AND REMOVE SILT CONTROL GATE,TP 3	6.000	442.59	2655.55
0040	163-0520		LF	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	300.000	16.49	4947.28
0045	163-0527		EA	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	88.000	308.43	27142.53
0050	163-0531		EA	CONSTR & REM SEDIMENT BASIN,TP 1,STA NO- 0013321	1.000	19211.25	19211.25
0055	163-0550		EA	CONS & REM INLET SEDIMENT TRAP	4.000	138.43	553.76
0060	165-0010		LF	MAINT OF TEMP SILT FENCE, TP A	2600.000	0.58	1530.44
0065	165-0030		LF	MAINT OF TEMP SILT FENCE, TP C	3200.000	0.63	2036.48
0070	165-0041		LF	MAINT OF CHECK DAMS - ALL TYPES	880.000	1.98	1749.22
0075	165-0050		LF	MAINT OF SILT RETENTION BARRIER	990.000	2.10	2087.42
0080	165-0060		EA	MAINT OF TEMP SEDIMENT BASIN,STA NO -	1.000	1937.31	1937.32
0085	165-0087		EA	MAINT OF SILT CONTROL GATE, TP 3	6.000	110.20	661.20
0090	165-0101		EA	MAINT OF CONST EXIT	4.000	591.33	2365.36
0095	165-0105		EA	MAINT OF INLET SEDIMENT TRAP	4.000	63.61	254.48
0100	167-1000		EA	WATER QUALITY MONITORING AND SAMPLING	2.000	227.71	455.44
0105	167-1500		MO	WATER QUALITY INSPECTIONS	24.000	395.29	9486.96
0110	170-1000		LF	FLOAT SILT RETENTION BARRIER	990.000	11.76	11647.99
0115	171-0010		LF	TEMPORARY SILT FENCE, TYPE A	5200.000	1.70	8863.76
0120	171-0030		LF	TEMPORARY SILT FENCE, TYPE C	6300.000	3.14	19788.30
0125	210-0100		LS	GRADING COMPLETE - 0013321	1.000	480000.00	480000.00
0130	310-1101		TN	GR AGGR BASE CRS, INCL MATL	6100.000	25.38	154824.95
0135	318-3000		TN	AGGR SURF CRS	100.000	26.62	2662.48
0140	402-1812		TN	RECYL AC LEVELING,INC BM&HL	400.000	85.00	34002.89
0145	402-3103		TN	REC AC 9.5 MM SP,TPII,GP2, INCL BM & HL	800.000	92.97	74376.78
0150	402-3121		TN	RECYL AC 25MM SP,GP1/2,BM&HL	2800.000	77.91	218149.93
0155	402-3190		TN	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	1210.000	84.54	102302.75
0160	413-0750		GL	TACK COAT	1170.000	1.86	2176.20
0165	433-1200		SY	REF CONC APPR SL/I SLOPED EDGE	90.000	218.83	19695.13
0169	441-0104		SY	CONC SIDEWALK, 4 IN	1100.000	35.41	38957.18
0170	441-0301		EA	CONC SPILLWAY, TP 1	1.000	1803.05	1803.06
0175	441-6222		LF	CONC CURB & GUTTER/ 8X30TP2	1205.000	20.59	24813.81

JOB ESTIMATE REPORT

0180	446-1100	LF	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	672.000	5.94	3995.78
0185	500-0100	SY	GROOVED CONCRETE	89.000	33.70	2999.33
0190	543-9000	LS	CONSTR OF BRIDGE COMPLETE - 0013321	1.000	2600000.00	2600000.00
0195	550-1180	LF	STM DR PIPE 18,H 1-10	500.000	49.60	24804.05
0200	550-1240	LF	STM DR PIPE 24,H 1-10	180.000	56.64	10195.80
0205	550-1300	LF	STM DR PIPE 30,H 1-10	320.000	57.76	18485.49
0210	550-2180	LF	SIDE DR PIPE 18,H 1-10	170.000	32.33	5496.48
0215	550-3418	EA	SAFETY END SECTION 18,SD,4:1	4.000	539.42	2157.68
0220	550-4118	EA	FLARED END SECT 18 IN, SIDE DR	4.000	388.43	1553.73
0225	550-4218	EA	FLARED END SECT 18 IN, ST DR	1.000	635.94	635.94
0230	550-4224	EA	FLARED END SECT 24 IN, ST DR	4.000	709.54	2838.17
0235	550-4230	EA	FLARED END SECT 30 IN, ST DR	4.000	814.67	3258.71
0240	573-2006	LF	UNDDR PIPE INCL DRAIN AGGR 6	1000.000	19.31	19310.63
0245	576-1015	LF	SLOPE DRAIN PIPE, 15 IN	1300.000	41.23	53599.00
0250	600-0001	CY	FLOWABLE FILL	10.000	223.99	2239.95
0255	603-2024	SY	STN DUMPED RIP RAP, TP 1, 24	3317.000	53.23	176595.06
0260	603-2182	SY	STN DUMPED RIP RAP, TP 3, 24	651.000	53.97	35140.43
0265	603-7000	SY	PLASTIC FILTER FABRIC	3967.000	3.78	15026.28
0270	620-0100	LF	TEMP BARRIER, METHOD NO. 1	555.000	34.13	18945.81
0275	621-6200	LF	CONC SIDE BARRIER, TP 2-S	50.000	310.08	15504.00
0280	621-6201	LF	CONC SIDE BARRIER, TP 2-SA	100.000	437.16	43716.00
0285	627-1010	SF	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 0013321	1669.000	47.31	78972.47
0290	627-1020	SF	MSE WALL FACE, 20 - 30 FT HT, WALL NO - 0013321	4020.000	48.60	195401.59
0295	627-1100	LF	COPING A, WALL NO - 0013321	332.000	81.07	26917.73
0300	627-1160	LF	TRAFFIC BARRIER H, WALL NO - 0013321	332.000	236.85	78637.13
0305	627-1180	CY	ADDITIONAL MSE BACKFILL	3075.000	34.87	107232.29
0310	634-1200	EA	RIGHT OF WAY MARKERS	20.000	121.47	2429.57
0315	636-1020	SF	HWY SGN,TP1MAT,REFL SH TP3	20.000	18.00	360.06
0320	636-1033	SF	HWY SIGNS, TP1MAT,REFL SH TP 9	100.000	19.93	1993.57
0325	636-2070	LF	GALV STEEL POSTS, TP 7	260.000	7.93	2063.57
0330	641-1200	LF	GUARDRAIL, TP W	420.000	20.05	8421.77
0335	641-5001	EA	GUARDRAIL ANCHORAGE, TP 1	2.000	916.26	1832.52
0340	641-5012	EA	GUARDRAIL ANCHORAGE, TP 12	2.000	2227.54	4455.10
0345	643-8200	LF	BARRIER FENCE (ORANGE), 4 FT	1490.000	1.72	2572.20
0350	653-0120	EA	THERM PVMT MARK, ARROW, TP 2	2.000	91.59	183.20
0355	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	3400.000	0.54	1853.65
0360	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	3400.000	0.57	1952.72
0365	653-1704	LF	THERM SOLID TRAF STRIPE,24,WH	120.000	6.99	839.13
0370	654-1001	EA	RAISED PVMT MARKERS TP 1	62.000	4.17	258.76
0375	654-1003	EA	RAISED PVMT MARKERS TP 3	3.000	4.97	14.92
0380	657-1085	LF	PRF PL SD PVT MKG,8,B/W,TP PB	1150.000	5.40	6221.25
0385	657-6085	LF	PRF PL SD PVMT MKG,8,B/Y,TPPB	1150.000	5.27	6071.79
0390	668-2100	EA	DROP INLET, GP 1	2.000	1990.45	3980.92
0395	668-2105	EA	DROP INLET, GP 1, SPCL DES	2.000	2752.53	5505.08
0400	700-6910	AC	PERMANENT GRASSING	4.000	960.46	3841.85
0405	700-7000	TN	AGRICULTURAL LIME	11.000	113.98	1253.80
0410	700-8000	TN	FERTILIZER MIXED GRADE	2.000	617.19	1234.39
0415	700-8100	LB	FERTILIZER NITROGEN CONTENT	190.000	3.71	705.22
0420	710-9000	SY	PERM SOIL REINFORCING MAT	5640.000	6.45	36378.00
0425	716-2000	SY	EROSION CONTROL MATS, SLOPES	2600.000	1.07	2788.34

JOB ESTIMATE REPORT

ITEM TOTAL	5202134.25
INFLATED ITEM TOTAL	5202134.24

TOTALS FOR JOB 0013321

ESTIMATED COST:	5202134.24
CONTINGENCY PERCENT (0.0):	0.00
ESTIMATED TOTAL:	5202134.24

STATE HIGHWAY AGENCY

DATE : 02/29/2016
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JOB ESTIMATE REPORT

JOB NUMBER : 0012599_00 SPEC YEAR: 13
DESCRIPTION: CR 533/GLADE RD FM CR 786/WILDFLOWER TRAIL TO CR 782/CAMP DR

ITEMS FOR JOB 0012599_00

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - 0012599	1.000	200000.00	200000.00
0009	153-1300		EA	FIELD ENGINEERS OFFICE TP 3	1.000	86847.75	86847.76
0010	163-0232		AC	TEMPORARY GRASSING	2.000	355.55	711.11
0015	163-0240		TN	MULCH	71.000	228.74	16241.17
0020	163-0300		EA	CONSTRUCTION EXIT	4.000	1250.38	5001.53
0025	163-0502		EA	CONSTR AND REMOVE SILT CONTROL GATE,TP 2	3.000	768.91	2306.73
0030	163-0503		EA	CONSTR AND REMOVE SILT CONTROL GATE,TP 3	14.000	459.74	6436.49
0035	163-0520		LF	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	200.000	16.90	3381.17
0040	163-0527		EA	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	30.000	367.45	11023.74
0045	163-0540		EA	CONST AND REM RETROFIT, STA NO - 606+50	1.000	2028.24	2028.24
0050	163-0550		EA	CONS & REM INLET SEDIMENT TRAP	2.000	143.27	286.55
0055	165-0010		LF	MAINT OF TEMP SILT FENCE, TP A	1600.000	1.46	2338.88
0060	165-0030		LF	MAINT OF TEMP SILT FENCE, TP C	1300.000	1.35	1764.93
0065	165-0041		LF	MAINT OF CHECK DAMS - ALL TYPES	300.000	1.36	408.74
0070	165-0086		EA	MAINT OF SILT CONTROL GATE, TP 2	3.000	86.77	260.31
0075	165-0087		EA	MAINT OF SILT CONTROL GATE, TP 3	14.000	96.44	1350.19
0080	165-0095		EA	MAINT OF RETROFIT, STA NO - 606+50	1.000	779.64	779.64
0085	165-0101		EA	MAINT OF CONST EXIT	4.000	627.24	2508.98
0090	165-0105		EA	MAINT OF INLET SEDIMENT TRAP	2.000	53.22	106.45
0095	167-1000		EA	WATER QUALITY MONITORING AND SAMPLING	2.000	229.28	458.56
0100	167-1500		MO	WATER QUALITY INSPECTIONS	18.000	676.47	12176.52
0105	171-0010		LF	TEMPORARY SILT FENCE, TYPE A	3200.000	2.02	6466.75
0110	171-0030		LF	TEMPORARY SILT FENCE, TYPE C	2500.000	3.35	8380.43
0115	210-0100		LS	GRADING COMPLETE - 0012599	1.000	350000.00	350000.00
0120	310-1101		TN	GR AGGR BASE CRS, INCL MATL	5600.000	25.64	143622.02
0125	318-3000		TN	AGGR SURF CRS	500.000	23.25	11629.73
0130	402-1812		TN	RECYL AC LEVELING,INC BM&HL	1700.000	85.35	145110.49
0135	402-3103		TN	REC AC 9.5 MM SP,TPII,GP2, INCL BM & HL	900.000	95.95	86355.02
0140	402-3121		TN	RECYL AC 25MM SP,GP1/2,BM&HL	1600.000	82.61	132187.38
0145	402-3190		TN	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	1200.000	85.46	102558.25
0150	413-0750		GL	TACK COAT	1200.000	1.86	2232.00
0154	432-5010		SY	MILL ASPH CONC PVMT,VARB DEPTH	2200.000	5.06	11144.50
0155	441-0016		SY	DRIVEWAY CONCRETE, 6 IN TK	400.000	38.64	15457.66
0160	441-0104		SY	CONC SIDEWALK, 4 IN	1100.000	35.66	39229.17
0165	446-1100		LF	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	1400.000	5.02	7028.81

JOB ESTIMATE REPORT

0169	500-9999	CY	CL B CONC,BASE OR PVMT WIDEN	140.000	174.59	24443.10
0170	550-1180	LF	STM DR PIPE 18,H 1-10	300.000	44.71	13415.01
0175	550-1300	LF	STM DR PIPE 30,H 1-10	140.000	67.98	9518.50
0180	550-2180	LF	SIDE DR PIPE 18,H 1-10	370.000	34.91	12917.44
0185	550-2240	LF	SIDE DR PIPE 24,H 1-10	160.000	37.50	6001.10
0190	550-2300	LF	SIDE DR PIPE 30,H 1-10	100.000	41.96	4196.00
0195	550-3318	EA	SAFETY END SECTION 18,STD,4:1	5.000	577.13	2885.65
0200	550-3418	EA	SAFETY END SECTION 18,SD,4:1	6.000	561.88	3371.31
0205	550-4118	EA	FLARED END SECT 18 IN, SIDE DR	8.000	341.86	2734.94
0210	550-4124	EA	FLARED END SECT 24 IN, SIDE DR	4.000	450.18	1800.75
0215	550-4230	EA	FLARED END SECT 30 IN, ST DR	3.000	791.08	2373.25
0220	600-0001	CY	FLOWABLE FILL	23.000	252.32	5803.44
0225	603-2180	SY	STN DUMPED RIP RAP, TP 3, 12	67.000	33.16	2221.72
0230	603-2181	SY	STN DUMPED RIP RAP, TP 3, 18	77.000	44.92	3459.25
0235	603-2182	SY	STN DUMPED RIP RAP, TP 3, 24	506.000	45.10	22822.84
0240	603-7000	SY	PLASTIC FILTER FABRIC	648.000	4.46	2892.35
0245	620-0100	LF	TEMP BARRIER, METHOD NO. 1	1500.000	30.16	45249.09
0250	634-1200	EA	RIGHT OF WAY MARKERS	26.000	116.39	3026.25
0255	636-1020	SF	HWY SGN,TP1MAT,REFL SH TP3	10.000	19.67	196.76
0260	636-1033	SF	HWY SIGNS, TP1MAT,REFL SH TP 9	50.000	19.83	991.78
0265	636-2070	LF	GALV STEEL POSTS, TP 7	130.000	8.53	1109.58
0270	643-1152	LF	CH LK FEN,ZC COAT, 6', 9 GA	300.000	26.07	7823.59
0275	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	4500.000	0.55	2489.09
0280	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	4300.000	0.48	2079.78
0285	653-1704	LF	THERM SOLID TRAF STRIPE,24,WH	140.000	7.05	988.31
0290	654-1001	EA	RAISED PVMT MARKERS TP 1	56.000	4.76	266.93
0295	668-2100	EA	DROP INLET, GP 1	3.000	2014.34	6043.04
0300	700-6910	AC	PERMANENT GRASSING	4.000	1016.00	4064.01
0305	700-7000	TN	AGRICULTURAL LIME	11.000	92.12	1013.38
0310	700-8000	TN	FERTILIZER MIXED GRADE	2.000	547.58	1095.17
0315	700-8100	LB	FERTILIZER NITROGEN CONTENT	180.000	2.86	515.43
0320	711-0200	SY	TURF REINFORCING MATTING, TP 2	3500.000	4.02	14070.00
0325	716-2000	SY	EROSION CONTROL MATS, SLOPES	700.000	1.35	951.17
0330	999-3110	EA	DETENTION POND	1.000	50000.00	50000.00

ITEM TOTAL 1680649.92
INFLATED ITEM TOTAL 1680649.92

TOTALS FOR JOB 0012599_00

ESTIMATED COST: 1680649.91
CONTINGENCY PERCENT (0.0): 0.00
ESTIMATED TOTAL: 1680649.91

NOTE: The item totals include all alternate items. The estimated totals include only the low cost alternate items.

STATE HIGHWAY AGENCY

DATE : 02/26/2016
PAGE : 1

JOB ESTIMATE REPORT

JOB NUMBER : 0003770_00 SPEC YEAR: 13
DESCRIPTION: CR 633/GLADE RD FM CR 605/HOMESTEAD DR TO CR 8910 RYAN RD

ITEMS FOR JOB 0003770_00

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - 003770	1.000	600000.00	600000.00
0010	163-0232		AC	TEMPORARY GRASSING	24.000	744.00	17856.07
0015	163-0240		TN	MULCH	701.000	133.57	93635.30
0020	163-0300		EA	CONSTRUCTION EXIT	17.000	1440.06	24481.12
0025	163-0501		EA	CONSTR AND REMOVE SILT CONTROL GATE,TP 1	9.000	702.34	6321.08
0030	163-0503		EA	CONSTR AND REMOVE SILT CONTROL GATE,TP 3	21.000	445.69	9359.66
0035	163-0527		EA	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	145.000	326.90	47401.67
0040	163-0550		EA	CONS & REM INLET SEDIMENT TRAP	30.000	182.12	5463.85
0045	165-0010		LF	MAINT OF TEMP SILT FENCE, TP A	4400.000	0.53	2373.36
0050	165-0030		LF	MAINT OF TEMP SILT FENCE, TP C	13600.000	0.23	3172.34
0055	165-0041		LF	MAINT OF CHECK DAMS - ALL TYPES	1450.000	1.61	2339.15
0060	165-0085		EA	MAINT OF SILT CONTROL GATE, TP 1	9.000	141.59	1274.39
0065	165-0087		EA	MAINT OF SILT CONTROL GATE, TP 3	21.000	85.67	1799.12
0070	165-0101		EA	MAINT OF CONST EXIT	17.000	502.48	8542.26
0075	165-0105		EA	MAINT OF INLET SEDIMENT TRAP	30.000	41.42	1242.78
0080	167-1000		EA	WATER QUALITY MONITORING AND SAMPLING	18.000	356.78	6422.10
0085	167-1500		MO	WATER QUALITY INSPECTIONS	24.000	1013.50	24324.16
0090	171-0010		LF	TEMPORARY SILT FENCE, TYPE A	8600.000	2.59	22297.65
0095	171-0030		LF	TEMPORARY SILT FENCE, TYPE C	26700.000	2.95	78949.76
0100	207-0203		CY	FOUND BKFILL MATL, TP II	50.000	69.05	3452.84
0105	210-0100		LS	GRADING COMPLETE - 003770	1.000	1600000.00	1600000.00
0110	310-1101		TN	GR AGGR BASE CRS, INCL MATL	36300.000	25.18	914160.69
0115	318-3000		TN	AGGR SURF CRS	1200.000	27.60	33123.72
0120	402-1812		TN	RECYL AC LEVELING,INC BM&HL	970.000	85.22	82665.88
0125	402-3103		TN	REC AC 9.5 MM SP,TPII,GP2, INCL BM & HL	4400.000	76.64	337228.54
0130	402-3121		TN	RECYL AC 25MM SP,GP1/2,BM&HL	22000.000	74.87	1647285.42
0135	402-3190		TN	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	5440.000	75.60	411305.67
0140	413-0750		GL	TACK COAT	4970.000	1.86	9244.20
0145	432-5010		SY	MILL ASPH CONC PVMT,VARB DEPTH	6100.000	4.85	29608.85
0149	441-0104		SY	CONC SIDEWALK, 4 IN	7800.000	41.44	323286.44
0150	446-1100		LF	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	26510.000	3.93	104271.25
0165	550-1180		LF	STM DR PIPE 18,H 1-10	1100.000	57.41	63154.28
0170	550-1240		LF	STM DR PIPE 24,H 1-10	512.000	55.05	28190.59
0175	550-1360		LF	STM DR PIPE 36,H 1-10	420.000	96.72	40624.50
0180	550-1480		LF	STM DR PIPE 48,H 1-10	200.000	116.19	23238.00
0185	550-2180		LF	SIDE DR PIPE 18,H 1-10	1720.000	28.59	49174.95
0190	550-2240		LF	SIDE DR PIPE 24,H 1-10	1300.000	32.97	42867.71

JOB ESTIMATE REPORT

0195	550-3618	EA	SAFETY END SECTION 18,SD,6:1	92.000	466.14	42885.11
0200	550-3624	EA	SAFETY END SECTION 24,SD,6:1	94.000	649.19	61023.86
0205	550-4218	EA	FLARED END SECT 18 IN, ST DR	36.000	654.10	23547.63
0210	550-4224	EA	FLARED END SECT 24 IN, ST DR	20.000	793.19	15863.83
0215	550-4236	EA	FLARED END SECT 36 IN, ST DR	20.000	1303.71	26074.37
0220	603-2182	SY	STN DUMPED RIP RAP, TP 3, 24	771.000	79.10	60987.73
0225	603-7000	SY	PLASTIC FILTER FABRIC	771.000	4.30	3320.95
0230	620-0100	LF	TEMP BARRIER, METHOD NO. 1	312.000	62.99	19653.62
0235	634-1200	EA	RIGHT OF WAY MARKERS	137.000	108.06	14804.31
0240	636-1020	SF	HWY SGN,TP1MAT,REFL SH TP3	500.000	15.14	7571.22
0245	636-1033	SF	HWY SIGNS, TP1MAT,REFL SH TP 9	590.000	12.93	7630.06
0250	636-2070	LF	GALV STEEL POSTS, TP 7	2050.000	6.41	13148.82
0255	636-2080	LF	GALV STEEL POSTS, TP 8	726.000	9.30	6754.21
0260	641-1200	LF	GUARDRAIL, TP W	2000.000	18.57	37155.28
0265	641-5001	EA	GUARDRAIL ANCHORAGE, TP 1	4.000	947.42	3789.69
0270	641-5012	EA	GUARDRAIL ANCHORAGE, TP 12	4.000	2269.37	9077.51
0275	643-8200	LF	BARRIER FENCE (ORANGE), 4 FT	2280.000	1.36	3123.17
0280	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	32700.000	0.41	13449.84
0285	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	32700.000	0.38	12687.60
0290	653-1704	LF	THERM SOLID TRAF STRIPE,24,WH	540.000	6.57	3550.37
0295	654-1001	EA	RAISED PVMT MARKERS TP 1	779.000	3.23	2517.59
0300	700-6910	AC	PERMANENT GRASSING	43.000	1268.12	54529.31
0305	700-7000	TN	AGRICULTURAL LIME	125.000	84.02	10502.82
0310	700-8000	TN	FERTILIZER MIXED GRADE	20.000	662.98	13259.73
0315	700-8100	LB	FERTILIZER NITROGEN CONTENT	2060.000	4.43	9129.73
0320	710-9000	SY	PERM SOIL REINFORCING MAT	14060.000	3.66	51459.60
0325	716-2000	SY	EROSION CONTROL MATS, SLOPES	70400.000	0.83	58905.09

ITEM TOTAL	7286542.40
INFLATED ITEM TOTAL	7286542.40

TOTALS FOR JOB 0003770_00

ESTIMATED COST:	7286542.40
CONTINGENCY PERCENT (0.0):	0.00
ESTIMATED TOTAL:	7286542.40

UTILITY COST ESTIMATE

CR 633/Glade Road Improvements
CR 605/Homestead Drive to CR 8910/Ryan Road
County: Bartow
P. I. Number: 0003770
August 21, 2015

Summary of Costs

Utility	Non-Reimbursable	Reimbursable
Electric - Cobb EMC	$ 624,000	$ 372,000
Electric - Georgia Transmission Corporation	$ -	$ 120,000
Gas - Atlanta Gas Light	$ 165,400	$ -
Telecommunications - AT&T	$ 599,000	$ -
Telecommunications - Comcast	$ 379,600	$ -
Water - Bartow County Water Department	$ 238,000	$ 20,700
Sewer - Bartow County Water Department	$ 84,500	$ 1,800
Traffic Control	$ -	$ -
TOTALS	**$ 2,090,500**	**$ 514,500**

UTILITY COST ESTIMATE

CR 633/Glade Road Improvements
CR 786/Wildflower Trail to CR 782/Camp Drive
County: Bartow
P. I. Number: 0012599
August 21, 2015

Summary of Costs

Utility	Non-Reimbursable	Reimbursable
Electric - Cobb EMC	$ 36,000	$ 120,000
Gas - Atlanta Gas Light	$ 12,300	$ -
Telecommunications - AT&T	$ 88,300	$ -
Telecommunications - Comcast	$ 55,200	$ -
Water - Bartow County Water Department	$ 56,600	$ 5,000
Sewer - Bartow County Water Department	$ 23,700	$ -
Traffic Control	$ -	$ -
TOTALS	**$ 272,100**	**$ 125,000**

UTILITY COST ESTIMATE

Glade Road at Clark Creek
County: Bartow
P. I. Number: 0013321
August 21, 2015

Summary of Costs

Utility	Non-Reimbursable	Reimbursable
Electric - Cobb EMC	$ -	$ 84,000
Gas - Atlanta Gas Light	$ 71,000	$ -
Telecommunications - AT&T	$ 101,600	$ -
Telecommunications - Comcast	$ 63,500	$ -
Water - Bartow County Water Department	$ 48,500	$ 2,000
Sewer - Bartow County Water Department	$ 121,000	$ -
Traffic Control	$ -	$ -
TOTALS	**$ 405,600**	**$ 86,000**

GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 3/30/2015
Revised:

Project: Glade Rd. (Unit 1-3, 7, 9-13)
County: Bartow
PI: *0003770

Description: Improvement
Project Termini: Homestead Dr. to Ryan Rd.

Existing ROW: Varies
Parcels: 122
Required ROW: 21.76 Ac.

Land and Improvements	$1,738,710.18

Proximity Damage $254,300.00
Consequential Damage $0.00
Cost to Cures $0.00
Trade Fixtures $0.00
Improvements $167,500.00

Valuation Services	$286,250.00
Legal Services	$794,850.00
Relocation	$704,000.00
Demolition	$160,500.00
Administrative	$1,061,500.00
TOTAL ESTIMATED COSTS	$4,745,810.18
TOTAL ESTIMATED COSTS (ROUNDED)	***$4,746,000.00***

Preparation Credits	Hours	Signature

Prepared By: Sean C. Lynch THC, Inc. CGI#: 4-8-15 (DATE)
Approved By: CGI#: (DATE)

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

GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 3/30/2015
Revised:

Project: Glade Rd. (Unit 8)
County: Bartow
PI: 0003770 and 0012599

Description: Improvement
Project Termini: Homestead Dr. to Ryan Rd.

Existing ROW: Varies
Parcels: 17
Required ROW: 3.93 Ac.

Land and Improvements		$225,232.41
Proximity Damage	*$0.00*	
Consequential Damage	*$0.00*	
Cost to Cures	*$0.00*	
Trade Fixtures	*$0.00*	
Improvements	*$56,000.00*	
Valuation Services		$31,875.00
Legal Services		$123,975.00
Relocation		$154,000.00
Demolition		$45,000.00
Administrative		$154,000.00
TOTAL ESTIMATED COSTS		$734,082.41
TOTAL ESTIMATED COSTS (ROUNDED)		***$735,000.00***

Preparation Credits	Hours	Signature

Prepared By: Sean C. Lynch CG#: 4-8-15 (DATE)
Approved By: CG#: (DATE)

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

GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 3/30/2015
Revised:

Project: Glade Rd. (Unit 6)
County: Bartow
PI: 0003770 and 0013321

Description: Improvement
Project Termini: Homestead Dr. to Ryan Rd.

Existing ROW: Varies
Parcels: 12
Required ROW: 4.91 Ac.

Land and Improvements		$201,080.57
Proximity Damage $7,200.00		
Consequential Damage $0.00		
Cost to Cures $0.00		
Trade Fixtures $0.00		
Improvements $60,000.00		
Valuation Services		$56,875.00
Legal Services		$83,100.00
Relocation		$119,000.00
Demolition		$55,000.00
Administrative		$109,000.00
TOTAL ESTIMATED COSTS		$624,055.57
TOTAL ESTIMATED COSTS (ROUNDED)		***$625,000.00***

Preparation Credits	Hours	Signature

Prepared By: Glen C. Lynch THC, Inc. CGI#: 4-8-15 (DATE)
Approved By: CGI#: (DATE)

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

CARTERSVILLE-BARTOW METROPOLITAN PLANNING ORGANIZATION

To: CBMPO Policy Committee
CBMPO Technical Coordinating Committee

From: Tom Sills, Transportation Planner

Subject: LRTP/TIP Amendment 2016-1: Glade Road Corridor Environmental Assessment

Date: April 29, 2016

We are in need of an amendment to the TIP and LRTP involving Glade Road and the projects located thereon.

Background:
In 2005, the county pursued an environmental analysis of the entire Glade Road corridor. This was done in anticipation of the need to correct vertical and horizontal alignments along the roadway and with the recognition that not all of the corrections could be done at one time. The work was completed under PI# 0003770. The environmental clearance received from this effort has been continuously updated as different segments of the roadway were being pushed forward for improvement. Over the years, as the re-evaluations of the environmental certification were updated, the charges for such work were imposed upon the contracts for the discrete segments, the latest being PI# 12599 (Dawns Way) and PI# 13321 (Clark Creek Bridge relocation). As there was no financial activity associated with PI# 003770, the project was dropped admnistratively by the GDOT Office of Financial Management.

Action Needed:
Herein lies the problem - FHWA has no linkage shown between the environmental work done under an expired PI# and our active projects at Dawns Way or Clark Creek. According to their records, there is no environmental clearance for these projects. To resolve this issue, we are being asked to modify our TIP and LRTP to show a new project with the same termini and concept as the former PI# 003770. The project will be shown using local funds.

With an active PI#, the project engineers will document the connection between PI# 003770 and this new number, and hopefully FHWA will be satisfied. This action will enable the Dawns Way project ROW acquisition phase to be authorized by July 1.

This information has been provided to ARC to provide notification and clarification that the project, which is in the area denoted as a part of the Atlanta UZA, will not increase capacity and therefore will not trigger an air quality conformity review.

Staff Recommendation:
Approve the amendment to both the Long Range Transportation Plan and Transportation Improvement Program subject to there being no adverse comments received within the 15-day public comment period.

Phone (770) 607-6265 • Fax (770) 387-5644
135 West Cherokee Avenue, Suite 124 • Cartersville, GA 30120-3101
www.bartowga.org

CARTERSVILLE-BARTOW COUNTY METROPOLITAN PLANNING ORGANIZATION
LONG-RANGE TRANSPORTATION PLAN, 2016-2040

PROJECT NAME: Glade Road Corridor Safety Impr. ***PROJECT #:*** **CB-609**

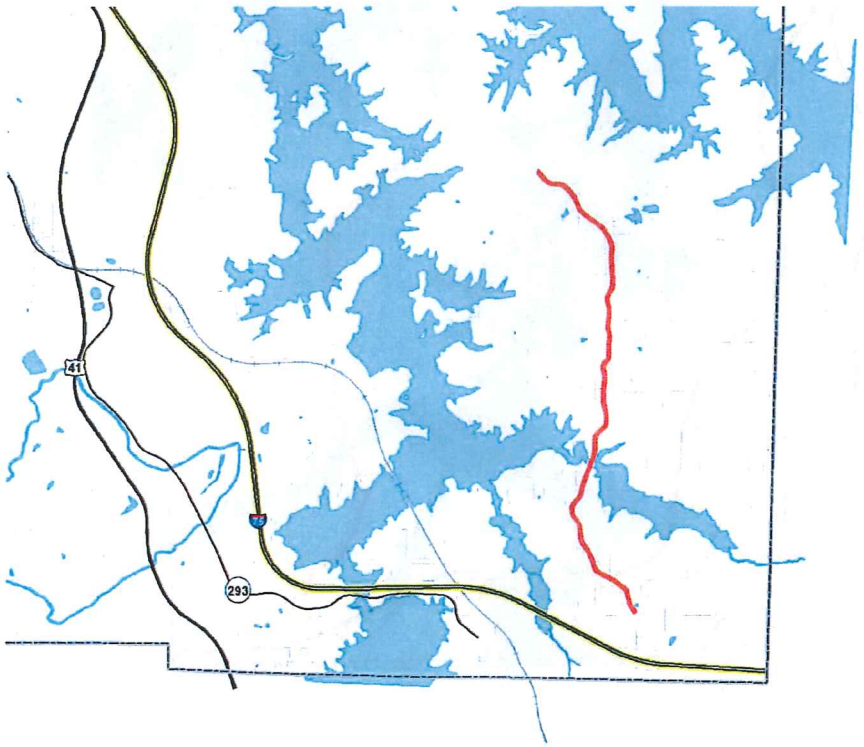
PROJECT DESCRIPTION: Glade Road (CR 633) safety improvements from Homestead Drive (CR 605)/Apache Drive (CR 377) to Ryan Road (CR 810)/Yacht Club Road (CR 386), formerly GDOT P.I. No. 0003770.	*Estimated Cost:*	$	14,550,000
	County:		Bartow
	P.I. #:		Pending
	GDOT Project #		

NEED AND PURPOSE: Correct geometric deficiencies in order to reduce crash frequency and severity.

Length:	3.7	*# of Existing Lanes:*	2	*# of Lanes Planned:*	2
GDOT District:	6	*Congressional District*	11	*RC:*	NWGRC
Average Daily Traffic Volume:	*2014*	4,300	*2040 (projected):*	8,270	

PROJECT PHASE	FY 2016-2019 Median Cost	FY 2020-2029 Median Cost	FY 2030-2040 Median Cost
Preliminary Engineering ($)	160,000	160,000	160,000
Right-of-Way ($)			4,800,000
Utilities ($)			500,000
Construction ($)			8,800,000
PROJECT COST:			
Federal Cost ($):			
State Cost ($):			
Local Cost ($):	160,000	160,000	14,260,000

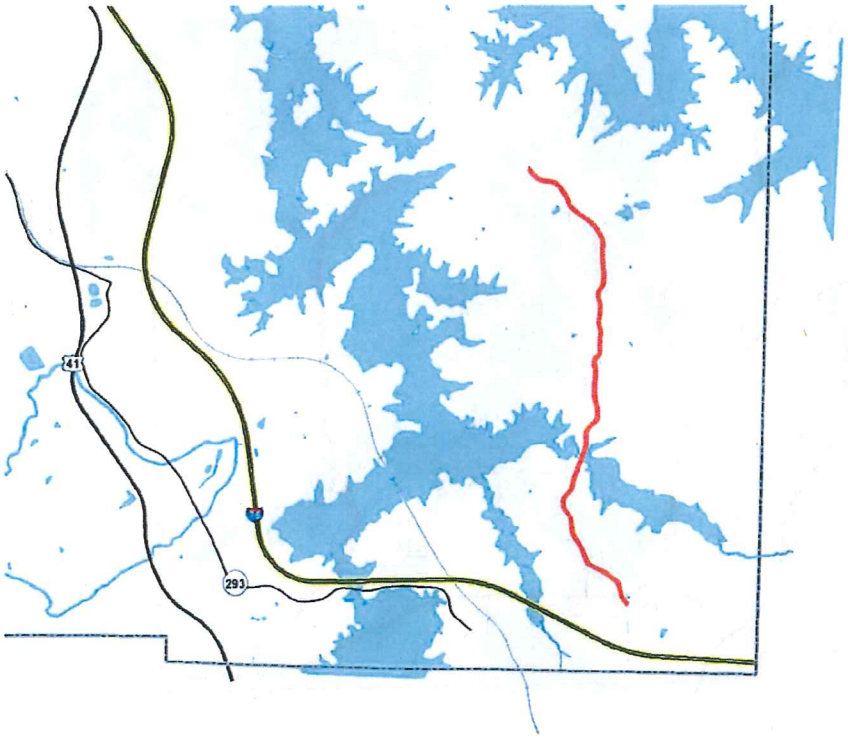
PROJECT LOCATION MAP



CARTERSVILLE-BARTOW METROPOLITAN PLANNING ORGANIZATION
TRANSPORTATION IMPROVEMENT PROGRAM, 2016-2019

PROJECT NAME: Glade Road Corridor Safety Impr.						***PROJECT #:***	**CB-609**
PROJECT DESCRIPTION: Glade Road (CR 633) safety improvements from Homestead Drive (CR 605)/Apache Drive (CR 377) to Ryan Road (CR 810)/Yacht Club Road (CR 386), formerly GDOT P.I. No. 0003770.						*Estimated Cost:*	$ 14,550,000
						County:	Bartow
						P.I. #:	Pending
						Project Type:	Safety
NEED AND PURPOSE: Correct geometric deficiencies in order to reduce crash frequency and severity. Network Year: 2035							
Length:	3.7	*# of Existing Lanes:*		2	*# of Lanes Planned:*		2
GDOT District:	6	*Congressional District*		11	*RC:*		NWGRC
Average Daily Traffic Volume:		*2014*	4,300				
PROJECT PHASE		SOURCE	2016	2017	2018	2019	TOTAL
Preliminary Engineering ($)		M210	AUTH	40,000	40,000	40,000	$ 160,000
Right-of-Way ($)		M210					$ -
Utilities ($)		M210					$ -
Construction ($)		LOCAL					$ -
PROJECT COST:							
Federal Cost ($):							$ -
State Cost ($):							$ -
Local Cost ($):			40,000	40,000	40,000	40,000	$ 160,000

PROJECT LOCATION MAP



NOTICE OF LOCATION AND DESIGN APPROVAL
P.I.# 0012599 & P.I.# 0013321
MPO PROJECT NUMBER CB-609
(Formerly P.I.# 0003770)
BARTOW 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: July 7, 2016

The Cartersville-Bartow MPO project CB-609 formerly P.I.# 0003770 will incorporate P.I.# 0012599 and P.I.# 0013321. This project proposes to widen and improve Glade Road/CR 366 from Homestead Drive(CR 605)/Apache Drive(CR 377) to Ryan Road(CR 810)/Yacht Road(CR 386). The project is in Bartow County and Land District 21.

The project proposes a typical section consisting of two 12 foot lanes. The typical section proposed has 8 foot rural shoulders of which 2 foot will be paved on the left or western side and 14 foot shoulders of which 2 foot is to be paved with 5 foot sidewalk offset 5 foot from the paved shoulder on the right or eastern side. The bridge at Clark Creek will also be replaced within this proposed project. The project length will be approximately 4 miles long.

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:

Keith Day , Acting Area Engineer
Georgia Department of Transportation
District 6, Area 1 Office
kday@dot.ga.gov
874 Peeples Valley Road, N.W.
Cartersville, Georgia 30120
(770) 387-3680

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 Engineer
Office of Program Delivery
Attn: Micheal T. Word
micword@dot.ga.gov
One Georgia Center
600 West Peachtree Street, NW
Atlanta, Georgia 30308
(404) 631-1866

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.