

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 720125-, Fulton/Cobb Counties **OFFICE** Preconstruction
BHFST-0001-05(024)
US 14/SR 3 fm Mt Paran Road to Paces Mill Road
Including Chattahoochee River **DATE** June 24, 2009

FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction
TO SEE DISTRIBUTION

SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

Ron Wishon
Glenn Bowman
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Michael Henry
Keith Golden
Rachel Brown
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Albert Welch
Ben Buchan
BOARD MEMBER

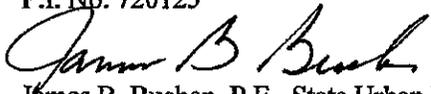
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BHFST-0001-05(024), Fulton/ Cobb County
US41/ SR 3 fm Mt Paran Rd to Paces Mill Rd;
Including Chattahoochee River
P.I. No. 720125

OFFICE: Urban Design

DATE: June 10, 2009



FROM: James B. Buchan, P.E., State Urban Design Engineer

TO: Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT: Revised Project Concept Report

Attached is the original copy of the revised Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

The concept report for the US 41 Bridge Replacement Project BHFST-0001-05(024), P.I. No. 720125 was originally approved on December 7, 2006. The originally proposed project consisted of the widening US 41 from Mount Paran Road in Fulton County to Paces Mill Road in Cobb County including the replacement of the bridge over the Chattahoochee River. The existing bridge is in need of replacement due to a low sufficiency rating of 47, age of the bridge, and insufficient width to carry projected traffic volumes. The approved concept is proposed to be amended as follows:

Cobb County and the Cumberland Community Improvement District (CCID) have requested that this project be subdivided into two separate phases as follows:

- Phase 1: Northgate Drive to Paces Mill Road (incl. bridge replacement over the Chattahoochee River). Project Length = 0.53 miles.
- Phase 2: Mount Paran Road to Northgate Drive. Project Length = 0.66 miles.

The purpose for splitting the existing contract is to accelerate the construction of the new bridge over the Chattahoochee River. Cobb County has requested stimulus funding for the bridge replacement segment only (Phase 1). Both phases will be covered under a single environmental document (Categorical Exclusion) for P.I. 720125.

The revised concept report as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTIP) and the State Transportation Improvement Program (STIP)

6/16/09
Date

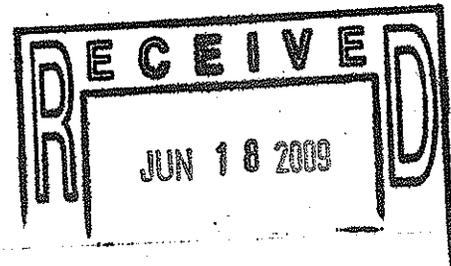


State Transportation Planning Administrator

JBB:ASW:bh(MAAD) 

Distribution

Ron Wishon, State Project Review Engineer
Glenn Bowman, P.E., State Environmental/Location Engineer
Keith Golden, P.E., State Traffic Safety & Design Engineer
Angela Alexander, State Transportation Planning Administrator
Angela Whitworth, State Financial Management Administrator
Racheal Brown, Acting District 7 Engineer
Paul Liles, P.E., State Bridge & Structural Engineer



REVISED PROJECT CONCEPT REPORT

Need and Purpose: See attachment # 2.

Project location: The proposed project is located along US41/ SR3, beginning at Mount Paran Road (milepost 17.10 in Fulton County) and ending at Paces Mill Road (milepost 0.29 in Cobb County). The total project length is 1.19 miles.

Description of the approved concept:

The proposed project will widen US41/ SR3, an urban principal arterial, from Mount Paran Road in Fulton County to Paces Mill Road in Cobb County, including reconstruction of the bridge over the Chattahoochee River. The length of the project is approximately 1.19 miles. It should be noted that the local street name changes at the county line from Northside Parkway in Fulton County to Cobb Parkway in Cobb County. The Chattahoochee River serves as the division between the two counties.

The existing roadway currently consists of four lanes with a variable width, two-way left turn lane and right turn lanes at most major intersections. The proposed project would widen US41/ SR3 to a 6-lane urban facility with a 20-ft raised median, a 12-ft multi-use path on the east side of US41/ SR3, and a 5-ft sidewalk on the west side of US41/ SR3. The project would also replace the existing bridge over the Chattahoochee River. The existing bridge is in need of replacement due to low sufficiency rating of 47, age of the bridge (originally constructed in 1935), and insufficient width to carry projected traffic volumes.

PDP Classification: Major X Minor _____

Federal Oversight: Full Oversight () Exempt (X) State Funded () Other ()

Functional Classification: Urban Principal Arterial

U.S. Route Number(s): US41 **State Route Number(s):** SR3

Traffic (AADT):
(from approved concept) Base Year: 31,240 (2010) Design Year: 50,580 (2030)

Proposed features to be revised: The proposed feature to be revised is the project termini. Cobb County and the Cumberland Community Improvement District (CCID) have requested to split the project into two phases for both construction and right-of-way acquisition. The dividing point between the two phases will be at the Northgate Drive intersection in Fulton County. The reconstruction of the bridge over the Chattahoochee River (Phase 1) is proposed to be accelerated in the work program for the following reasons:

1. **Age and sufficiency rating of the existing structure.** The existing bridge over the Chattahoochee River was constructed in 1935 and currently has a sufficiency rating of 47 and requires replacement.

2. **Narrow typical section across the existing bridge.** The current typical section on this bridge includes four 10-ft travel lanes with no median, a 4-ft sidewalk adjacent to the southbound travel lanes, and no sidewalk adjacent to the northbound travel lanes. The typical section across the bridge also provides less than one foot of lateral clearance to the curb face. AASHTO recommends an offset of 2-ft between the curb face and the edge of travel-way for a 45 mph urban arterial roadway. The mainline at this location experiences high traffic volumes, 4% truck volume, and requires left-turn movements. A wider typical section can only be accomplished by replacing the existing bridge.

Describe the revised feature(s) to be approved: The revised concept will subdivide the project at Northgate Drive (milepost 17.76, Fulton County). The resulting project phases are described below:

- Phase 1: Northgate Drive (milepost 17.76, Fulton County) to Paces Mill Road (milepost 0.29, Cobb County). This phase will include reconstruction and widening of the bridge over the Chattahoochee River to match the typical section proposed in the approved concept report. The length of this proposed phase is 0.53 miles.
- Phase 2: Mount Paran Road (milepost 17.10, Fulton County) to Northgate Drive (milepost 17.76, Fulton County). This phase will include the widening of US41/ SR3 as proposed in the approved concept report. The length of this proposed phase is 0.66 miles.

Updated Traffic (AADT):

Phase 1: Current Year: 36,100 (2012) Design Year: 47,150 (2032)

Phase 2: Current Year: 35,600 (2012) Design Year: 50,250 (2032)

**PROPOSED
 Programmed/Schedule:**

P.E.: 1981 R/W: 2010 PH₁ CA/ST: 2010 PH₁
12/11 R/W: Long Range PH₂ Construction: Long Range PH₂

Revised cost estimates:

	<u>PHASE 1</u>	<u>PHASE 2</u>
1. Construction (incl. E&I, Cont., Fuel & Liq. Adjust.)	\$12,032,778	\$6,048,304
2. Right-of-Way	\$ 2,700,000	\$1,552,000
3. Utilities (incl. 30% contingency)	\$ 182,000	\$ 211,250
Total:	\$14,914,778	\$7,811,554

*prep
6/17/09*

Is the project located in a Non-attainment area? X Yes No

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Project Number: BHF-STP-001-5(24)
P.I. No: 720125
County: Fulton/Cobb

The project is described in the Atlanta Regional Commission's (ARC's) Mobility 2030 Regional Transportation Plan as widening the existing four-lane facility to six-lanes from Paces Mill Road to Mount Paran Road, including replacement of the US41 Bridge over the Chattahoochee River. The RTP's proposed completion for this project is Long Range and is in the 2015 Network Year. The conforming model's description above is consistent with the proposed project concept.

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

JBB:ASW:bh(MAAI) *ASW*

Attachments:

1. Project Location Map
2. Need & Purpose Statement
3. Phase 1 Cost Estimates (CST, ROW, Contingencies, Fuel Adjustment, B/C Ratio)
4. Phase 2 Cost Estimates (CST, ROW, Contingencies, Fuel Adjustment, B/C Ratio)
5. Conforming Plan's Network Schematic
6. Traffic Flow Diagrams
7. Bridge Inspection Reports
8. Typical Sections (Phase 1 and 2)
9. Concept Layouts (Phase 1 and 2)

Exempt projects

Concur:

Keith Rice

Director of Preconstruction

Approve:

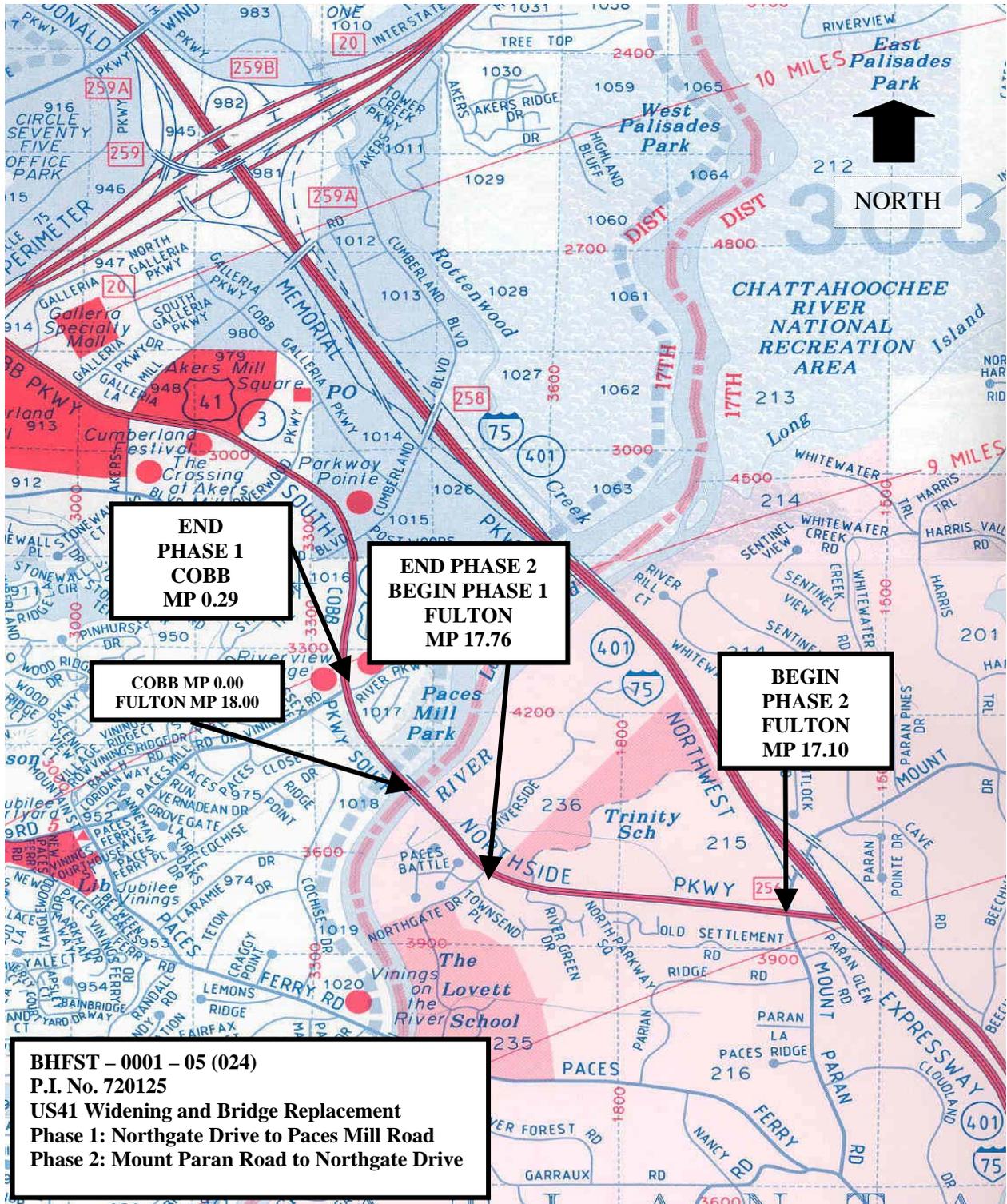
Queen M. Ross

Chief Engineer

PHASE II STIMULUS PROPOSAL
US 41(NORTHGATE DRIVE TO PACES MILL RD)
P.I. # 720125 (PHASE 1)
SCHEDULE OF EVENTS
June 10, 2009

TASK DESCRIPTION	2009												2010					
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
	PHASE I - PRELIMINARY ENGINEERING																	
GEOMETRIC DESIGN	Complete																	
DRAINAGE	Complete																	
SIGNING AND MARKING PLANS	Complete																	
BRIDGE	Complete (Approved 7/28/08)																	
HYDRO STUDY	Complete (Approved 7/28/08)																	
STAGING PLANS	Complete																	
EROSION CONTROL PLANS																		
MISC. PLAN PREP.																		
PFPR SUBMITTAL																		
PFPR HELD																		
VE STUDY																		
RIGHT OF WAY PLANS																		
REVIEW & APPROVAL (GA DOT)																		
PHASE IA - CE RE-EVAL																		
UPDATE SPECIAL STUDIES	Complete (Submitted 6/5/09)																	
DRAFT CE RE-EVAL																		
PIOH																		
CE RE-EVAL (FINAL)																		
FHWA REVIEW																		
404 PERMIT																		
404 PERMIT - REVIEW / APPROVAL																		
PHASE II - FINAL PLANS																		
FINAL ROADWAY AND DRAINAGE DESIGN																		
FINAL BRIDGE DESIGN																		
QUANTITIES / DETAILED ESTIMATE																		
QUALITY ASSURANCE REVIEW																		
FFPR SUBMITTAL																		
FFPR HELD																		
INCORPORATE FFPR COMMENTS																		
REVIEW & APPROVAL (GADOT)																		
LETTING DATE																		
PHASE III - R/W ACQUISITION (3 parcels)																		

Project Location Map



Project Need and Purpose
Project Number: BHF-STP-001-5(24)
P.I. No: 720125
County: Fulton/Cobb

Need and Purpose:

The primary purpose of the proposed project is to provide additional capacity along US 41 and to preserve the efficient and safe movement of traffic through the project corridor consistent with the functional classification of an urban principal arterial. Traffic analyses conducted along this corridor for future (2032) traffic conditions indicate that all major intersections would operate at failing levels of service during the AM and PM peak hours. The projected traffic volumes (year 2032) result from the continued residential, office and commercial development, and redevelopment of adjacent property, which is consistent with each county's adopted land-use plans and policies along this corridor.

A secondary purpose of the proposed project is to increase the capacity and connectivity for non-automobile transportation within the area. The addition of a multi-use path and sidewalks would serve to improve bicycle/pedestrian access to and from the high-density residential and commercial/office developments throughout the project area. This section of US 41 is already designated as a bike route by Cobb County and is a part of an extensive network of existing and planned multi-use paths. Additionally, the multi-use path proposed in this project would connect to the Chattahoochee River Natural Recreational Area along the Chattahoochee River, which serves as a primary recreational destination.

Planning Background and Project History

The proposed widening of US 41 between I-75 and I-285 has long been a priority as part of a larger network of area roadway and transit projects to improve mobility and connectivity within the Cumberland area of Cobb County. In 1980 it was determined that the existing bridge over the Chattahoochee River at the Cobb/Fulton county line would not be sufficient to accommodate future traffic volumes within what was, at that time, an evolving major transportation corridor. In 1988, it was further proposed that US 41 itself be widened, beginning approximately at I-75 at Mount Paran Road, and extending past I-285. Since that time, segments of US 41 in both Fulton and Cobb counties have been widened and improved with the construction of the IBM complex, the Kennedy Interchange, and the Cobb County Convention Center complex at the Galleria.

The area surrounding the project is located near the I-75/I-285 interchange and has seen tremendous growth and development over the past fourteen years since the original widening project was approved. With the creation of the Cumberland Community Improvement District (CID) in 1987, the area has seen a committed involvement by area businesses to provide seed funding for roads, sidewalks, and other transportation infrastructure improvements. The proposed project is recommended for widening in the Atlanta Regional Commission's adopted Mobility 2030 Regional Transportation Plan as Project ARC #AT-012A & B.

Land Use Trends Impacting Transportation

Cobb County adopted a future land use plan in December 2001 that established a "Regional Activity Center" zone from Akers Mill Road to Paces Mill Road. This designation allows high-density mixed-uses of residential, retail, and office. The US 41 corridor at the Paces Mill Road intersection is designated as a "Neighborhood Activity Center". While this designation has less dense office space, it does allow for high-density residential and retail. The Fulton County/City of Atlanta land uses that are allowed throughout the project area are mixed-use office, institutional, high-density residential, and single-family homes. The current land uses are consistent with the future land use plans. As a result of continued development and re-

Project Need and Purpose
Project Number: BHF-STP-001-5(24)
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County: Fulton/Cobb

development of the land areas along the project corridor, projected traffic volumes (year 2030) indicate that a six-lane section is necessary. Detailed analysis concerning existing and future projected traffic volumes along the project corridor is discussed in a subsequent section.

Project Description

The proposed project will widen US 41, an urban principal arterial, from Mount Paran Road in Fulton County to Paces Mill Road in Cobb County, including reconstruction of the bridge over the Chattahoochee River. The length of the project is approximately 1.19 miles. It should be noted that the local street name changes at the county line from Northside Parkway in Fulton County to Cobb Parkway in Cobb County. The Chattahoochee River serves as the division between the counties.

The existing roadway currently consists of four lanes with a variable width, two-way left turn lane and right turn lanes at most major intersections. The proposed project would widen US 41 to a 6-lane urban facility with a 20-foot raised median, a 12-foot multi-use path on the east side of US 41, and a 5-foot sidewalk on the west side of US 41. The project would also replace the existing bridge over the Chattahoochee River. The existing bridge is in need of replacement due to low sufficiency rating of 47, age of the bridge (originally constructed in 1935), and insufficient width to carry projected traffic volumes.

Logical Termini

The southern logical terminus of this project would occur at Mount Paran Road in Fulton County where the roadway currently consists of a six-lane typical section in order to accommodate future traffic capacity.

The northern logical terminus of this project is the Paces Mill Road intersection. US 41 is planned to be widened and reconstructed between Paces Mill Road and Akers Mill Road in Cobb County from its existing four lanes to six lanes by project STP-001-5 (47), P.I. No. 721152.

Average Daily Traffic Volumes and Level of Service

Traffic volumes on the existing roadway are operating at-capacity during peak hours. The roadway currently serves as a north-south principal arterial for local and commercial traffic in the area. The high-density residential, commercial, and high-rise office land uses adjacent to the roadway have contributed to the current traffic volumes on the existing facility. As a result, peak time periods are being extended because of the increasing trip demand for north-south movement along the facility. Construction of the Kennedy Interchange and associated surface street improvements, and the addition of HOV lanes and express bus service improvements to I-75, have increased the capacity as well as the connectivity between a number of roadways that intersect the project, including Akers Mill Road, Riverwood Parkway, and Cumberland Boulevard. During peak hours, however, increased traffic signal cycles must be used to provide for all the necessary turning movements to and from these roadways. The 2008 Average Daily Traffic (ADT) of 25,000 vehicles per day (vpd) on US 41 within the project area is projected increase to 37,600 by the build year, 2012. This volume is then projected to increase to 52,250 vpd by the year 2032.

Levels of Service were determined along the entire length of the project and are shown in the table on the next page. Existing Levels of Service (LOS) along the roadway range from B to D.

Project Need and Purpose
 Project Number: BHF-STP-001-5(24)
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However, projected traffic volumes indicate that the levels of service at the major intersections would decline to F by the 2032 design year if no action is taken. The proposed design will maintain LOS C or better at each of the intersections throughout the project corridor (see table below).

Summary of Level of Service Analysis Results

US 41 Intersections	Existing Year 2008		No -Build Year 2032		Proposed Design Year 2032	
	AM	PM	AM	PM	AM	PM
IBM South	B	C	F	F	B	B
IBM North/Rivergreen Drive	C	D	F	F	B	C
Northgate Drive/Riverside Drive	D	D	F	F	C	C
Paces Mill Road	D	C	F	F	C	C

Safety Improvements

Currently, US 41 is classified as an urban principal arterial. As such, the facility serves regional commuter traffic to and from major employment centers of Cobb and Fulton counties. The ability for this facility to accommodate and distribute traffic between the major traffic generators is the primary purpose of the facility. In order to maintain the design speed and efficiency of the facility, the project proposes to construct a raised median throughout the length of the project. The raised median would help to reduce the number of accidents by restricting left-turns and crossover traffic movements to occur only at median openings. The project would also construct deceleration lanes to separate right turning traffic from through traffic.

An inventory of recent historical crash data from 2005 to 2007 is provided in the table below. The table lists the total number of crashes, injuries and fatalities coded to US 41 within the proposed project termini. Accordingly, the crash, injury and fatality rates were calculated and shown beside the statewide rates for an urban principal arterial, the assigned functional class of US 41. The crash, injury and fatality rates provided are in units of 100 million vehicle miles.

Crash Data

US 41/Cobb Pkwy – From Mt. Paran Road to Paces Mill Road: Urban Principal Arterial (1.19 miles)									
Year	No. of Crashes	No. of Injuries	No. of Fatalities	Crash Rate	Statewide Average Crash Rate	Injury Rate	Statewide Average Injury Rate	Fatality Rate	Statewide Average Fatality Rate
2005	49	18	0	479	573	176	144	0.00	1.68
2006	73	26	0	892	545	318	133	0.00	1.69
2007	48	14	1	488	549	142	133	10.16	1.51

The results indicate that US 41 exhibits below average crash and injury rates as compared to similar facilities statewide for 2005 and 2007. However, in the year 2006 the crash and injury rate exceeded the statewide average rates. Also, there was one fatality in 2007, which caused the fatality rate to exceed the statewide average. The proposed improvements to US 41, including additional turn lanes at intersections, along with additional through lanes, will help to reduce the

Project Need and Purpose
 Project Number: BHF-STP-001-5(24)
 P.I. No: 720125
 County: Fulton/Cobb

risk of various common accidents, specifically rear-end and angle collisions at intersections. The types of crashes occurring on US 41 are summarized in the table below.

Summary of Type of Crashes

US 41/Cobb Pkwy from Mt. Paran Road to Paces Mill Road						
Year	Totals	Angle	Rear-end	Head-on	Sideswipe	Hit an Object
2005	49	16	23	2	4	4
2006	73	19	40	2	6	6
2007	48	14	27	0	4	1

The type of crashes occurring generally had a direct correlation to the level of traffic congestion on the roadway facility. Rear-end collisions are indicative of traffic congestion. Angle collisions indicate some type of change in traffic control is needed, while head-on collisions can identify the need for median barriers. US 41 from Mt. Paran Road to Paces Mill Road had 170 crashes from 2005 to 2007. Of the total crashes on this section of US 41, 53% were rear-end collisions. Reduction in traffic congestion would result in a reduction in rear-end collisions.

Other Projects in the Areas

Several projects are planned for this area that will complement the proposed project. These projects are listed below by their Georgia Department of Transportation Project Identification Number:

- GDOT P.I. No. 721152 – SR 3/US 41/Cobb Parkway from Paces Mill Road to Akers Mill Road
- GDOT P.I. No. 721250 – SR 3/US 41/Cobb Pkwy from Windy Hill Rd to Terrell Mill Rd
- GDOT P.I. No. 721252 – SR 3/US 41/Cobb Pkwy from South 120 Loop to North 120 Loop
- GDOT P.I. No. 721254 – SR 3/US 41/Cobb Pkwy from Windy Ridge Pkwy to Windy Hill Road
- GDOT P.I. No. 721256 – SR 3/US 41/Cobb Parkway from Terrell Mill Road to South 120 Loop
- GDOT P.I. No. 0004505 – Rottenwood Creek multi-use path from US 41 to Terrell Mill Road
- GDOT P.I. No. 0004473 – Cobb Galleria Parkway Trail from Akers Mill Road to Cumberland Parkway
- GDOT P.I. No. 0000838 – Cumberland Area - Bike/Ped Linkages including bridge over CSX railroad.

ATTACHEMENT SECTION # 3

Phase 1, Cost Estimates

Estimate Report for file 720125 Phase 1 (US41 FROM NORTHGATE DR. TO PACES MILL RD)

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	150000.00	TRAFFIC CONTROL -	150000.00
153-1300	1	EA	69627.91	FIELD ENGINEERS OFFICE TP 3	69627.91
210-0100	1	LS	390002.00	GRADING COMPLETE -	390002.00
310-1101	7102	TN	17.85	GR AGGR BASE CRS, INCL MATL	126770.70
402-1812	1551	TN	69.52	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	107825.52
402-3121	3866	TN	59.88	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	231496.08
402-3130	2249	TN	63.46	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	142721.54
402-3190	7496	TN	68.49	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	513401.04
413-1000	1569	GL	2.13	BITUM TACK COAT	3341.97
432-0206	18470	SY	1.62	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	29921.40
433-1100	730	SY	152.73	REINF CONC APPROACH SLAB, INCL CURB	111492.90
441-0104	5374	SY	33.78	CONC SIDEWALK, 4 IN	181533.72
441-0754	2314	SY	62.93	CONCRETE MEDIAN, 7 1/2 IN	145620.02
441-4030	56	SY	46.16	CONC VALLEY GUTTER, 8 IN	2584.96
441-6222	4518	LF	16.15	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	72965.70
500-3101	136	CY	287.52	CLASS A CONCRETE	39102.72
500-3200	8	CY	412.45	CLASS B CONCRETE	3299.60
511-1000	15978	LB	0.90	BAR REINF STEEL	14380.20
550-1180	2685	LF	36.84	STORM DRAIN PIPE, 18 IN, H 1-10	98915.40
550-1240	665	LF	44.71	STORM DRAIN PIPE, 24 IN, H 1-10	29732.15
550-1360	169	LF	66.08	STORM DRAIN PIPE, 36 IN, H 1-10	11167.52
550-4218	2	EA	617.22	FLARED END SECTION 18 IN, STORM DRAIN	1234.44
550-4236	1	EA	1079.94	FLARED END SECTION 36 IN, STORM DRAIN	1079.94
668-1100	33	EA	2471.01	CATCH BASIN, GP 1	81543.33
668-2100	5	EA	2488.45	DROP INLET, GP 1	12442.25
668-4300	4	EA	2332.11	STORM SEWER MANHOLE, TP 1	9328.44
Section Sub Total:					\$2,581,531.45

Section WALL NO. 1					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
621-4085	455	LF	60.20	CONCRETE SIDE BARRIER, TYPE 7W	27391.00
627-1000	4164	SF	40.95	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 1	170515.80
627-1010	1975	SF	41.71	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 1	82377.25
627-1100	455	LF	68.98	COPING A, WALL NO - 1	31385.90
Section Sub Total:					\$311,669.95

Section WALL NO. 2					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
621-4061	52	LF	515.00	CONC SIDE BARRIER, TP 6A	26780.00
621-4085	571	LF	60.20	CONCRETE SIDE BARRIER, TYPE 7W	34374.20
627-1000	522	SF	40.95	MSE WALL FACE, 0 - 10 FT HT, WALL NO -	21375.90
627-1010	8329	SF	41.71	MSE WALL FACE, 10 - 20 FT HT, WALL NO -	347402.59
627-1100	571	LF	68.98	COPING A, WALL NO - 2	39387.58
Section Sub Total:					\$469,320.27

Section WALL NO. 3					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
515-2020	133	LF	38.90	GALV STEEL PIPE HANDRAIL, 2 IN, ROUND	5173.70
627-1000	1660	SF	40.95	MSE WALL FACE, 0 - 10 FT HT, WALL NO -	67977.00
627-1160	133	LF	269.10	TRAFFIC BARRIER H, WALL NO. 3	35790.30
Section Sub Total:					\$108,941.00

Section WALL NO. 4					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
515-2020	51	LF	38.90	GALV STEEL PIPE HANDRAIL, 2 IN, ROUND	1983.90

621-4061	70	LF	515.00	CONC SIDE BARRIER, TP 6A	36050.00
621-4085	528	LF	60.20	CONCRETE SIDE BARRIER, TYPE 7W	31785.60
627-1000	8733	SF	40.95	MSE WALL FACE, 0 - 10 FT HT, WALL NO -	357616.35
627-1010	422	SF	41.71	MSE WALL FACE, 10 - 20 FT HT, WALL NO -	17601.62
627-1100	551	LF	68.98	COPING A, WALL NO - 4	38007.98
627-1160	51	LF	269.10	TRAFFIC BARRIER H, WALL NO. 4	13724.10
Section Sub Total:					\$496,769.55

Section WALL NO. 5					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
621-4085	105	LF	60.20	CONCRETE SIDE BARRIER, TYPE 7W	6321.00
627-1000	355	SF	40.95	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 5	14537.25
627-1100	105	LF	68.98	COPING A, WALL NO - 5	7242.90
Section Sub Total:					\$28,101.15

Section BRIDGE					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
211-0200	1370	CY	34.73	BRIDGE EXCAVATION, GRADE SEPARATION	47580.10
211-0300	1600	CY	29.64	BRIDGE EXCAVATION, STREAM CROSSING	47424.00
441-0004	213	SY	44.29	CONC SLOPE PAV, 4 IN	9433.77
500-0100	4829	SY	4.72	GROOVED CONCRETE	22792.88
500-1006	2253	LS	733.31	SUPERSTR CONCRETE, CL AA, BR NO -	1652147.43
500-2110	1060	LF	222.25	CONCRETE PARAPET, SPCL DESIGN	235585.00
500-3002	1778	CY	481.65	CLASS AA CONCRETE	856373.70
500-3700	756	CY	221.63	SEAL CONC	167552.28
507-9034	9474	LF	185.45	PSC BEAMS,AASHTO,BULB TEE, 65 IN,BR NO 1	1756953.30
511-1000	331638	LB	0.90	BAR REINF STEEL	298474.20
511-3000	188951	LS	0.96	SUPERSTR REINF STEEL, BR NO -	181392.96
514-1000	160611	LS	1.19	EPOXY COATED SUPERSTR REINF STEEL, BR NO -	191127.09
520-0589	40	EA	217.08	H-PILE POINTS, HP 14 X 89	8683.20
520-1151	800	LF	90.30	PILING IN PLACE, STEEL H, HP 14 X 89	72240.00
520-4151	2	EA	1.00	LOAD TEST, STEEL H, HP 14 X 89	2.00
520-5000	70	LF	503.44	PILOT HOLES	35240.80
522-1000	1	LS	100000.00	SHORING	100000.00
525-1000	6	EA	13044.47	COFFERDAM	78266.82
540-1102	1	LS	115793.00	REMOVAL OF EXISTING BR, BR NO -	115793.00
603-2024	1129	SY	47.88	STN DUMPED RIP RAP, TP 1, 24 IN	54056.52
603-7000	1129	SY	4.34	PLASTIC FILTER FABRIC	4899.86
620-0200	550	LF	57.02	TEMPORARY BARRIER, METHOD NO. 2	31361.00
Section Sub Total:					\$5,967,379.91

Section SIGNING AND MARKINGS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	20	SF	16.58	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	331.60
636-1033	75	SF	19.98	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	1498.50
636-2070	20	LF	8.81	GALV STEEL POSTS, TP 7	176.20
636-2080	120	LF	11.72	GALV STEEL POSTS, TP 8	1406.40
653-0120	23	EA	74.41	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	1711.43
653-1501	7000	LF	0.44	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	3080.00
653-1502	4395	LF	0.45	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	1977.75
653-1704	150	LF	3.45	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	517.50
653-3501	8940	GLF	0.34	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	3039.60
654-1001	50	EA	3.04	RAISED PVMT MARKERS TP 1	152.00
654-1003	200	EA	3.21	RAISED PVMT MARKERS TP 3	642.00
657-1085	1185	LF	5.17	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-WHITE), TP PB	6126.45

657-3085	2370	GLF	4.45	PREFORMED PLASTIC SKIP PVMT MKG, 8 IN, CONTRAST (BLACK-WHITE), TP PB	10546.50
657-6085	1185	LF	5.18	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-YELLOW), TP PB	6138.30
Section Sub Total:					\$37,344.23

Section SIGNALS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1041	130	SF	45.22	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	5878.60
639-3004	4	EA	13090.96	STEEL STRAIN POLE, TP IV	52363.84
639-4004	4	EA	5927.96	STRAIN POLE, TP IV	23711.84
647-1000	1	LS	60963.51	TRAFFIC SIGNAL INSTALLATION NO - 1	60963.51
647-1000	1	LS	60963.51	TRAFFIC SIGNAL INSTALLATION NO - 2	60963.51
647-2170	2	EA	1750.65	PULL BOX, PB-7	3501.30
682-6233	100	LF	2.32	CONDUIT, NONMETL, TP 3, 2 IN	232.00
935-1511	750	LF	2.08	OUTSIDE PLANT FIBER OPTIC CABLE, DROP, SINGLE MODE, 6 FIBER	1560.00
935-3602	3	EA	553.25	FIBER OPTIC CLOSURE, FDC PRE-TERMINATED, TYPE A, 6-FIBER	1659.75
935-4010	12	EA	49.10	FIBER OPTIC SPLICE, FUSION	589.20
935-8000	1	LS	2623.69	TESTING	2623.69
936-1001	1	EA	6506.50	CCTV SYSTEM, TYPE B	6506.50
936-8000	1	LS	5460.00	TESTING	5460.00
938-1100	4	EA	5282.76	INTERSECTION VIDEO DETECTION SYSTEM ASSEMBLY, TYPE A	21131.04
938-1200	1	EA	426.19	PROGRAMMING MONITOR, TYPE A	426.19
938-1210	2	EA	455.53	OUTPUT EXPANSION MODULE, TYPE A	911.06
938-8000	1	LS	1908.98	TESTING	1908.98
938-8500	1	LS	2256.90	TRAINING	2256.90
939-1190	1	EA	6734.00	VIDEO ENCODER, TYPE A	6734.00
939-1195	1	EA	5278.00	VIDEO DECODER, TYPE A	5278.00
939-2305	2	EA	2872.07	FIELD SWITCH, TYPE C	5744.14
939-4040	1	EA	1718.99	TYPE D CABINET	1718.99
Section Sub Total:					\$272,123.04

Section EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	1	AC	297.78	TEMPORARY GRASSING	425.83
163-0240	9	TN	164.44	MULCH	1479.96
163-0300	2	EA	1177.73	CONSTRUCTION EXIT	2355.46
165-0010	3420	LF	0.69	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	2359.80
165-0030	2200	LF	0.72	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	1584.00
165-0101	2	EA	482.32	MAINTENANCE OF CONSTRUCTION EXIT	964.64
167-1000	2	EA	486.85	WATER QUALITY MONITORING AND SAMPLING	973.70
167-1500	18	MO	751.23	WATER QUALITY INSPECTIONS	13522.14
171-0010	3420	LF	2.38	TEMPORARY SILT FENCE, TYPE A	8139.60
171-0030	2200	LF	3.64	TEMPORARY SILT FENCE, TYPE C	8008.00
700-6910	1	AC	754.08	PERMANENT GRASSING	1055.71
700-7000	3	TN	65.07	AGRICULTURAL LIME	195.21
700-7010	4	GL	22.09	LIQUID LIME	88.36
700-8000	1	TN	470.95	FERTILIZER MIXED GRADE	470.95
Section Sub Total:					\$41,623.36

Total Estimated Cost: \$10,314,803.91

Subtotal Construction Cost \$10,314,803.91

E&C Rate 10.0 % \$1,031,480.39

Inflation Rate 0.0 % @ 0 Years \$0.00

Total Construction Cost	\$11,346,284.30
Right Of Way	\$2,700,000.00
ReImb. Utilities	\$140,000.00
	<hr/>
Grand Total Project Cost	\$14,186,284.30

Preliminary Right of Way Cost Estimate

Phil Copeland
Right-of-Way Administrator

Date: May 28, 2009
Project: BHFST-0001-05(024) - Phase 1
Existing/Required R/W: 150 feet/Varies
Project Termini: Northgate Drive to Paces Mill Road
Project Description: SR 3 / US 41 Cobb Parkway Widening and Bridge Improvements

P.I. Number 720125 - Phase 1
No. Parcels 5

Fee Simple:

Residential	0 sf	@ \$	0.00 /sf = \$	0	
Heavy Commercial	5,552 sf	@ \$	25.00 /sf = \$	138,800	
Multi-Family	44,631 sf	@ \$	10.00 /sf = \$	446,310	
					\$ 585,110

Permanent Construction Easement:

Residential	0 sf	@ \$	0.00 /sf = \$	0	
Heavy Commercial	12,058 sf	@ \$	12.50 /sf = \$	150,725	
Multi-Family	69,222 sf	@ \$	5.00 /sf = \$	346,110	
					\$ 496,835

1,081,945

Improvements:

1 Site Improvement = \$ 5,000

5,000

Relocation:

0 Residential = \$ 0
 0 Heavy Comm. = \$ 0
 0 Light Comm. = \$ 0

0

Damages:

Proximity - 0 Parcels \$
 Consequential - 0 Parcels \$ 0
 Cost to Cure - 0 Parcels \$

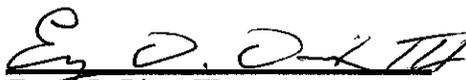
0

Net Cost		\$	1,086,945
Scheduling Contingency	55%	\$	597,820
Adm/Court Cost	60%	\$	1,010,859
		\$	2,695,624

Total Cost

\$ 2,700,000

Prepared By :


 Emory D. Dixon III
 Moreland Altobelli Associates, Inc.

Approved :

GDOT R/W

**SALES
COMPARABLES**

P.I. Number 720125 Phase 1

**SR 3 - US 41 Cobb Parkway Widening
Northgate Drive to Paces Mill Road**

ADDRESS	DATE	SALES PRICE	ACREAGE	PRICE/AC	PRICE/SF
HEAVY COMMERCIAL					
1685 Spring Rd	10/10/2008	\$295,000	0.22	\$1,340,909	\$30.78
2925 Atlanta Road	3/28/2006	\$630,000	0.37	\$1,702,703	\$39.09
1177 Concord Rd	6/8/2006	\$530,000	0.48	\$1,104,167	\$25.35
3300 Northside Pkwy	9/28/2006	\$1,000,000	0.56	\$1,785,714	\$40.99
Settlement Road	1/24/2006	\$1,486,000	1.13	\$1,315,044	\$30.19
4395 Atlanta Rd	5/31/2006	\$1,300,000	1.41	\$921,986	\$21.17
3250 Riverwood Pkwy	4/16/2007	\$4,500,000	3.30	\$1,363,636	\$31.30
Cumberland Blvd	12/28/2006	\$3,540,000	3.37	\$1,050,445	\$24.11
S Cobb Pkwy	5/17/2007	\$11,500,000	5.09	\$2,259,332	\$51.87

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE PROJECT No. BHFST-001-05 (024) - Phase 1,
Cobb & Fulton Counties
US 41 from Northgate Drive (milepost 17.76 in
Fulton County) to Paces Mill Road (milepost
0.29 in Cobb County).
P.I. No. 720125 - Phase 1

OFFICE Urban Design

DATE April 24, 2009

FROM James Ben Buchan, P.E., State Urban Design Engineer

TO Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Butch Welch

MNGT LET DATE Long Range

MNGT R/W DATE Long Range

PROGRAMMED COST (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$19,996,000

DATE 10-09-2008

RIGHT OF WAY \$12,919,297

DATE 10-09-2008

UTILITIES \$NA

DATE Not Applicable

REVISED COST ESTIMATES

CONSTRUCTION* \$12,032,778.16

RIGHT OF WAY \$2,700,000.00

UTILITIES** \$182,000.00

* Costs contain 5% Engineering and Inspection and 3% Construction Contingencies and Fuel and Liquid AC Adjustments.

** Costs contain 30% contingency.

REASON FOR COST INCREASE The change in cost is due to the reduction in length of the project from 1.19 to 0.53 miles in project length) as well as the addition of the fuel and the asphalt cement price adjustments.

P.I. Number 720125 - Phase 1

County Fulton/Cobb

Project Number BHFST-0001-05 (024) - Phase 1

Special Provision, Section 109-Measurement and Payment
FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)

ENTER FPL DIESEL	2.373
ENTER FPM DIESEL	5.339

ENTER FPL UNLEADED	1.566
ENTER FPM UNLEADED	3.5235

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

INCREASE ADJUSTMENT
125.00%

INCREASE ADJUSTMENT
125.00%

ROADWAY ITEMS	QUANTITY	DIESEL FACTOR	GALLONS DIESEL	UNLEADED FACTOR	GALLONS UNLEADED	REMARKS
Excavations paid as specified by Sections 205 (CUBIC YARD)		0.29		0.15		
Excavations paid as specified by Sections 206 (CUBIC YARD)		0.29		0.15		
GAB paid as specified by the ton under Section 310 (TON)	7102.000	0.29	2059.58	0.24	1704.48	
Hot Mix Asphalt paid as specified by the ton under Sections 400 (TON)		2.90		0.71		
Hot Mix Asphalt paid as specified by the ton under Sections 402 (TON)	15162.000	2.90	43969.80	0.71	10765.02	
PCC Pavement paid as specified by the square yard under Section 430 (SY)		0.25		0.20		

BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Bridge Excavation (CY) Section 211	2970.00	34.73	103.1481	8.00	825.18	1.50	154.72	
Class __Concrete (CY) Section 500	1778.00	481.65	856.3737	8.00	6850.99	1.50	1284.56	Class AA
Class __Concrete (CY) Section 500	136.00	287.52	39.1027	8.00	312.82	1.50	58.65	Class A
Class __Concrete (CY) Section 500	8.00	412.45	3.2996	8.00	26.40	1.50	4.95	Class B
Superstru Con Class__(CY) Section 500	2253.00	733.31	1652.1474	8.00	13217.18	1.50	2478.22	Class AA
Superstru Con Class__(CY) Section 500	756.00	221.63	167.5523	8.00	1340.42	1.50	251.33	Seal Concrete
Superstru Con Class__(CY) Section 500				8.00		1.50		
Concrete Handrail (LF) Section 500				8.00		1.50		
Concrete Barrier (LF) Section 500				8.00		1.50		

BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Stru Steel <u>Plan Quantity</u> (LB) Section 501				8.00		1.50		
Stru Steel <u>Plan Quantity</u> (LB) Section 501				8.00		1.50		
PSC Beams____ (LF) Section 507	9474.00	185.45	1756.9533	8.00	14055.63	1.50	2635.43	65 IN
PSC Beams____ (LF) Section 507				8.00		1.50		
PSC Beams____ (LF) Section 507				8.00		1.50		
Stru Reinf <u>Plan Quantity</u> (LB) Section 511				8.00		1.50		
Stru Reinf <u>Plan Quantity</u> (LB) Section 511				8.00		1.50		
Bar Reinf Steel (LB) Section 511	347616.00	0.90	312.8544	8.00	2502.84	1.50	469.28	
Piling____inch (LF) Section 520	800.00	90.30	72.2400	8.00	577.92	1.50	108.36	Steel H, HP 14 X 89
Piling____inch (LF) Section 520				8.00		1.50		
Piling____inch (LF) Section 520				8.00		1.50		
Piling____inch (LF) Section 520				8.00		1.50		
Piling____inch (LF) Section 520				8.00		1.50		
Piling____inch (LF) Section 520				8.00		1.50		
Drilled Caisson,____ (LF) Section 524				8.00		1.50		
Drilled Caisson,____ (LF) Section 524				8.00		1.50		
Drilled Caisson,____ (LF) Section 524				8.00		1.50		
Pile Encasement,____(LF) Section 547				8.00		1.50		
Pile Encasement,____(LF) Section 547				8.00		1.50		
SUM QF DIESEL=			85738.75	SUM QF UNLEADED=			19915.01	
DIESEL PRICE ADJUSTMENT(\$)					\$233,976.77			
UNLEADED PRICE ADJUSTMENT(\$)					\$35,864.94			

**ASPHALT CEMENT PRICE ADJUSTMENT FOR
TACK COAT(Surface Treatment 125% MAX)**

BITUMINOUS

APPLICABLE TO CONTRACTS CONTAINING THE 413 SPEC. SECTION 413.5.01 ADJUSTMENTS ASPHALT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT

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

ENTER APL

ENTER APM

125.00%	INCREASE ADJUSTMENT
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Use this side for Asphalt Emulsion Only		
L.I.N.	TYPE	ASPHALT EMULSION (GALLONS)
TMT =		<input style="width:100%;" type="text"/>
REMARKS:		

Use this side for Asphalt Cement Only		
L.I.N.	TYPE	TACK (GALLONS)
413-1000	PG 58-22	1569
TMT =		<input style="width:100%;" type="text" value="6.7390"/>
REMARKS:		

MONTHLY PRICE ADJUSTMENT(\$)	\$3,639.07
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ADJUSTMENT SUMMARY

FUEL PRICE ADJUSTMENT (<i>ENGLISH 125% MAX</i>)	
DIESEL PRICE ADJUSTMENT(\$)	<u>\$233,976.77</u>
UNLEADED PRICE ADJUSTMENT(\$)	<u>\$35,864.94</u>
ASPHALT CEMENT PRICE ADJUSTMENT (BITUMINOUS TACK COAT 125% MAX)	<u>\$3,639.07</u>
400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT 125% MAX	<u>\$409,374.00</u>
ASPHALT CEMENT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT(<i>Surface Treatment 125% MAX</i>)	<u>\$3,639.07</u>

REMARKS:	
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TOTAL ADJUSTMENTS	\$686,493.84
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Benefit Cost Analysis Work Sheet CONGESTION Projects

Project Number: BHFST-0001-05 - Phase 1

PI Number: 720125 - Phase 1

County: Fulton & Cobb Counties

Project Description: Widening of US 41 from Northgate Drive to Paces Mill Road

Congestion Benefit = Tb + CMb + Fb

Person Time Savings Benefit (Tb)

*Db (hrs)	0.0096
ADT	47,150.00
Tb (\$s)	\$15,559,500.00

Commercial or Truck Time Savings Benefit (CMb)

Db (hrs)	0.0096
% Truck Traffic	0.04
ADT	47,150.00
CMb	\$3,288,429.60

Fuel Savings Benefit (Fb)

ADT	47,150.00
Fb (\$s)	\$5,422,250.00

Total Congestion Benefit	\$24,270,179.60
Total Project Cost	\$13,675,072.63
B/C Ratio	1.77

*Reduction in delay or **Delay Benefit (D_b)** can be defined as the difference between the peak hour travel time through the corridor without the proposed improvement and the peak hour travel time through the corridor with the proposed improvement.

ATTACHEMENT SECTION # 4

Phase 2, Cost Estimates

Estimate Report for file 720125 Phase II (US41 FROM MOUNT PARAN RD. TO NORTHGATE DR.)

Section TRAFFIC CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	97673.47	TRAFFIC CONTROL -	97673.47
Section Sub Total:					\$97,673.47

Section MISCELLANEOUS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
153-1300	1	EA	77626.78	FIELD ENGINEERS OFFICE TP 3	77626.78
634-1200	65	EA	97.36	RIGHT OF WAY MARKERS	6328.40
Section Sub Total:					\$83,955.18

Section BASE AND PAVING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
310-1101	8947	TN	17.76	GR AGGR BASE CRS, INCL MATL	158898.72
402-1812	1935	TN	70.61	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	136630.35
402-3121	4865	TN	60.01	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	291948.65
402-3130	2830	TN	64.41	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	182280.30
402-3190	9431	TN	68.12	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	642439.72
413-1000	1975	GL	2.13	BITUM TACK COAT	4206.75
Section Sub Total:					\$1,416,404.49

Section GRADING AND DRAINAGE					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
210-0100	1	LS	475785.26	GRADING COMPLETE -	475785.26
550-1180	515	LF	37.73	STORM DRAIN PIPE, 18 IN, H 1-10	19430.95
550-1240	1335	LF	43.32	STORM DRAIN PIPE, 24 IN, H 1-10	57832.20
550-1300	750	LF	54.77	STORM DRAIN PIPE, 30 IN, H 1-10	41077.50
550-1360	331	LF	65.04	STORM DRAIN PIPE, 36 IN, H 1-10	21528.24
550-1421	200	LF	101.94	STORM DRAIN PIPE, 42 IN, H 10-15	20388.00
550-4218	1	EA	616.24	FLARED END SECTION 18 IN, STORM DRAIN	616.24
550-4224	6	EA	698.66	FLARED END SECTION 24 IN, STORM DRAIN	4191.96
550-4236	3	EA	1075.94	FLARED END SECTION 36 IN, STORM DRAIN	3227.82
550-4242	2	EA	1633.40	FLARED END SECTION 42 IN, STORM DRAIN	3266.80
668-1100	47	EA	2481.45	CATCH BASIN, GP 1	116628.15
668-1110	40	LF	176.61	CATCH BASIN, GP 1, ADDL DEPTH	7064.40
668-2100	15	EA	2410.48	DROP INLET, GP 1	36157.20
668-4300	2	EA	2238.68	STORM SEWER MANHOLE, TP 1	4477.36
668-4311	2	LF	211.65	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 1	423.30
Section Sub Total:					\$812,095.38

Section GUARDRAIL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
641-1100	62	LF	54.49	GUARDRAIL, TP T	3378.38
641-1200	3400	LF	18.38	GUARDRAIL, TP W	62492.00
641-5001	13	EA	684.10	GUARDRAIL ANCHORAGE, TP 1	8893.30
641-5012	9	EA	1869.18	GUARDRAIL ANCHORAGE, TP 12	16822.62
Section Sub Total:					\$91,586.30

Section CONCRETE					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
441-0104	7069	SY	32.12	CONC SIDEWALK, 4 IN	227056.28
441-0740	978	SY	34.13	CONCRETE MEDIAN, 4 IN	33379.14
441-0748	1100	SY	54.06	CONCRETE MEDIAN, 6 IN	59466.00
441-6222	7142	LF	15.79	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	112772.18

441-6740	4630	LF	13.66	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7	63245.80
500-0100	560	SY	4.35	GROOVED CONCRETE	2436.00
500-3200	72	CY	412.45	CLASS B CONCRETE	29696.40
511-1000	710	LB	0.91	BAR REINF STEEL	646.10
Section Sub Total:					\$528,697.90

Section WALL NO. 1					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
617-0510	476	SF	55.00	PERMANENTLY ANCHORED WALL, NO - 1	26180.00
621-4062	500	LF	425.40	CONCRETE SIDE BARRIER, TYPE 6B	212700.00
Section Sub Total:					\$238,880.00

Section WALL NO. 2					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
617-0510	1700	SF	55.00	PERMANENTLY ANCHORED WALL, NO - 2	93500.00
621-4021	50	LF	419.46	CONCRETE SIDE BARRIER, TYPE 2A	20973.00
Section Sub Total:					\$114,473.00

Section WALL NO. 3					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
621-4062	150	LF	425.40	CONCRETE SIDE BARRIER, TYPE 6B	63810.00
Section Sub Total:					\$63,810.00

Section WALL NO. 4					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
621-4062	200	LF	425.40	CONCRETE SIDE BARRIER, TYPE 6B	85080.00
Section Sub Total:					\$85,080.00

Section WALL NO. 5					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
621-4062	150	LF	425.40	CONCRETE SIDE BARRIER, TYPE 6B	63810.00
Section Sub Total:					\$63,810.00

Section WALL NO. 6					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
617-0510	13013	SF	55.00	PERMANENTLY ANCHORED WALL, NO - 6	715715.00
621-4062	100	LF	425.40	CONCRETE SIDE BARRIER, TYPE 6B	42540.00
Section Sub Total:					\$758,255.00

Section WALL NO. 7					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
515-2020	50	LF	38.90	GALV STEEL PIPE HANDRAIL, 2 IN, ROUND	1945.00
621-4021	50	LF	419.46	CONCRETE SIDE BARRIER, TYPE 2A	20973.00
621-4023	50	LF	527.05	CONCRETE SIDE BARRIER, TYPE 2C	26352.50
627-1010	805	SF	42.83	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 7	34478.15
627-1140	50	LF	193.00	TRAFFIC BARRIER V, WALL NO - 7	9650.00
Section Sub Total:					\$93,398.65

Section WALL NO. 8					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
515-2020	50	LF	38.90	GALV STEEL PIPE HANDRAIL, 2 IN, ROUND	1945.00
617-0510	1627	SF	55.00	PERMANENTLY ANCHORED WALL, NO - 8	89485.00
621-4022	50	LF	518.70	CONCRETE SIDE BARRIER, TYPE 2B	25935.00
627-1010	889	SF	42.83	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 8	38075.87
627-1140	50	LF	193.00	TRAFFIC BARRIER V, WALL NO - 8	9650.00
Section Sub Total:					\$165,090.87

Section SIGNING AND MARKING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
615-1200	300	LF	9.96	DIRECTIONAL BORE -	2988.00
636-1033	165	SF	20.14	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	3323.10
639-4004	8	EA	5837.80	STRAIN POLE, TP IV	46702.40
647-1000	1	LS	54154.86	TRAFFIC SIGNAL INSTALLATION NO - 3	54154.86
647-1000	1	LS	54154.86	TRAFFIC SIGNAL INSTALLATION NO - 1	54154.86
647-1000	1	LS	54154.86	TRAFFIC SIGNAL INSTALLATION NO - 2	54154.86
647-2140	6	EA	1189.98	PULL BOX, PB-4	7139.88
647-2141	3	EA	1625.50	PULL BOX, PB-4S	4876.50
653-0120	127	EA	72.94	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	9263.38
653-1501	20600	LF	0.44	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	9064.00
653-1502	9705	LF	0.45	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	4367.25
653-1704	470	LF	3.45	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	1621.50
653-1804	6600	LF	1.69	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	11154.00
653-3501	30400	GLF	0.33	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	10032.00
654-1001	50	EA	3.07	RAISED PVMT MARKERS TP 1	153.50
654-1003	1000	EA	3.23	RAISED PVMT MARKERS TP 3	3230.00
682-6233	6200	LF	3.07	CONDUIT, NONMETL, TP 3, 2 IN	19034.00
682-7043	500	LF	47.63	MULTI-CELL CONDUIT SYS, 4-WAY, FIBERGLASS	23815.00
935-1113	6700	LF	1.39	OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 24 FIBER	9313.00
935-3103	4	EA	596.39	FIBER OPTIC CLOSURE, UNDERGROUND, 24 FIBER	2385.56
935-4010	9	EA	50.78	FIBER OPTIC SPLICE, FUSION	457.02
935-6562	3	EA	1694.00	EXTERNAL TRANSCEIVER, DROP AND REPEAT, 1310 SINGLE MODE, (SIGNAL JOBS)	5082.00
935-8000	1	LS	1907.10	TESTING	1907.10
Section Sub Total:					\$338,373.77

Section TEMPORARY EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	8	AC	311.88	TEMPORARY GRASSING	2495.04
163-0240	162	TN	165.45	MULCH	26802.90
163-0300	4	EA	1174.43	CONSTRUCTION EXIT	4697.72
163-0520	1000	LF	15.03	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	15030.00
163-0550	61	EA	209.07	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	12753.27
165-0010	1725	LF	0.67	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	1155.75
165-0030	4525	LF	0.74	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	3348.50
165-0101	4	EA	474.28	MAINTENANCE OF CONSTRUCTION EXIT	1897.12
165-0105	61	EA	82.23	MAINTENANCE OF INLET SEDIMENT TRAP	5016.03
167-1000	2	EA	483.11	WATER QUALITY MONITORING AND SAMPLING	966.22
167-1500	36	MO	718.48	WATER QUALITY INSPECTIONS	25865.28
171-0010	3450	LF	2.39	TEMPORARY SILT FENCE, TYPE A	8245.50
171-0030	9050	LF	3.61	TEMPORARY SILT FENCE, TYPE C	32670.50
603-2024	10	SY	47.82	STN DUMPED RIP RAP, TP 1, 24 IN	478.20
603-7000	10	SY	4.31	PLASTIC FILTER FABRIC	43.10
Section Sub Total:					\$141,465.13

Section PERMANENT EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	9	AC	792.72	PERMANENT GRASSING	7134.48
700-7000	28	TN	66.74	AGRICULTURAL LIME	1868.72
700-7010	23	GL	22.03	LIQUID LIME	506.69

700-8000	10	TN	405.48	FERTILIZER MIXED GRADE	4054.80
700-8100	450	LB	2.36	FERTILIZER NITROGEN CONTENT	1062.00
Section Sub Total:					\$14,626.69

Total Estimated Cost: \$5,107,675.83

Subtotal Construction Cost \$5,107,675.83

E&C Rate 10.0 % \$510,767.58

Inflation Rate 0.0 % @ 0 Years \$0.00

Total Construction Cost \$5,618,443.41

Right Of Way \$1,552,000.00

ReImb. Utilities \$162,500.00

Grand Total Project Cost \$7,332,943.41

Preliminary Right of Way Cost Estimate

Phil Copeland
Right-of-Way Administrator

Date: May 28, 2009
Project: BHFST-0001-05(024) - Phase 2
Existing/Required R/W: 150 feet/Varies
Project Termini: Mount Paran Road to Northgate Drive
Project Description: SR 3 / US 41 Cobb Parkway Widening

P.I. Number 720125 - Phase 2
No. Parcels 4

Fee Simple:

Residential	0 sf @ \$	0.00 /sf = \$	0	
Light Commercial	46,659 sf @ \$	10.00 /sf = \$	466,590	
Multi-Family	0 sf @ \$	10.00 /sf = \$	0	
				\$ 466,590

Permanent Construction Easement:

Residential	0 sf @ \$	0.00 /sf = \$	0	
Light Commercial	29,992 sf @ \$	5.00 /sf = \$	149,960	
Multi-Family	420 sf @ \$	5.00 /sf = \$	2,100	
				\$ 152,060

618,650

Improvements:

3 Site Improvements = \$ 7,000

7,000

Relocation:

0 Residential = \$ 0
 0 Heavy Comm. = \$ 0
 0 Light Comm. = \$ 0

0

Damages:

Proximity - 0 Parcels \$
 Consequential - 0 Parcels \$ 0
 Cost to Cure - 0 Parcels \$

0

Net Cost		\$	625,650
Scheduling Contingency	55%	\$	344,108
Adm/Court Cost	60%	\$	581,855
		\$	1,551,613

Total Cost

\$ 1,552,000

Prepared By :



Errol D. Dixon III
Moreland Altobelli Associates, Inc.

Approved :

GDOT R/W

**SALES
COMPARABLES**

P.I. Number 720125- Phase 2

SR 3 - US 41 Cobb Parkway Widening

Mount Paran Rd to Northgate Drive

LIGHT COMMERCIAL/MULTI-FAMILY

ADDRESS	DATE	SALES PRICE	ACREAGE	PRICE/AC	PRICE/SF
3310 Atlanta Rd	6/23/2006	\$690,000	1.07	\$644,860	\$14.80
Powers Ferry Rd	11/2/2006	\$550,000	1.76	\$312,500	\$7.17
4041 Beechwood Dr	3/20/2007	\$775,000	2.41	\$321,577	\$7.38
1155 Conway Dr NW	3/17/2006	\$1,218,000	2.47	\$493,117	\$11.32
3141 Stillhouse Rd	8/31/2006	\$1,554,000	3.19	\$487,147	\$11.18
Spring Hill Pkwy	1/12/2007	\$1,200,000	3.21	\$373,832	\$8.58
Windy Hill Rd	1/30/2009	\$2,500,000	5.68	\$440,141	\$10.10

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE PROJECT No. TBD, Fulton County
Northside Pkwy, Northgate Dr. to Paces Mill Rd.
P.I. No. TBD- Phase 2

OFFICE Urban Design
DATE 6/11/2009

FROM James B. Buchan, P.E., State Urban Design Engineer

TO Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Albert Welch

MNGT LET DATE Long Range

MNGT R/W DATE Long Range

PROGRAMMED COST (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$0

DATE Long Range

RIGHT OF WAY \$0

DATE Long Range

UTILITIES \$N/A

DATE N/A

REVISED COST ESTIMATES

CONSTRUCTION* \$6,048,303.72

RIGHT OF WAY \$1,552,000

UTILITIES** \$211,250.00

* Costs contain 5% Engineering and Inspection and 3% Construction Contingencies and Fuel and Liquid AC Adjustments.

** Costs contain 30% contingency.

REASON FOR COST INCREASE The revising of the cost estimate is due to the fact that this is a new project.

P.I. Number 720125 - Phase 2

County Fulton

Project Number BHF-STP-001-5(24) - Phase 2

Special Provision, Section 109-Measurement and Payment
FUEL PRICE ADJUSTMENT (*ENGLISH 125% MAX*)

ENTER FPL DIESEL	2.137
ENTER FPM DIESEL	4.808

ENTER FPL UNLEADED	1.903
ENTER FPM UNLEADED	4.28175

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

INCREASE ADJUSTMENT
125.00%

INCREASE ADJUSTMENT
125.00%

ROADWAY ITEMS	QUANTITY	DIESEL FACTOR	GALLONS DIESEL	UNLEADED FACTOR	GALLONS UNLEADED	REMARKS
Excavations paid as specified by Sections 205 (CUBIC YARD)		0.29		0.15		
Excavations paid as specified by Sections 206 (CUBIC YARD)		0.29		0.15		
GAB paid as specified by the ton under Section 310 (TON)	8947.000	0.29	2594.63	0.24	2147.28	
Hot Mix Asphalt paid as specified by the ton under Sections 400 (TON)		2.90		0.71		
Hot Mix Asphalt paid as specified by the ton under Sections 402 (TON)	19052.000	2.90	55250.80	0.71	13526.92	
PCC Pavement paid as specified by the square yard under Section 430 (SY)		0.25		0.20		

BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Bridge Excavation (CY) Section 211				8.00		1.50		
Class __Concrete (CY) Section 500	72.00	1,122.40	80.8128	8.00	646.50	1.50	121.22	CLASS B CONC.
Class __Concrete (CY) Section 500		495.22		8.00		1.50		
Class __Concrete (CY) Section 500		246.73		8.00		1.50		
Superstru Con Class__(CY) Section 500				8.00		1.50		
Superstru Con Class__(CY) Section 500				8.00		1.50		
Superstru Con Class__(CY) Section 500				8.00		1.50		
Concrete Handrail (LF) Section 500				8.00		1.50		
Concrete Barrier (LF) Section 500				8.00		1.50		

BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Stru Steel <u>Plan Quantity</u> (LB) Section 501				8.00		1.50		
Stru Steel <u>Plan Quantity</u> (LB) Section 501				8.00		1.50		
PSC Beams____ (LF) Section 507		142.77		8.00		1.50		
PSC Beams____ (LF) Section 507				8.00		1.50		
PSC Beams____ (LF) Section 507				8.00		1.50		
Stru Reinf <u>Plan Quantity</u> (LB) Section 511		0.89		8.00		1.50		
Stru Reinf <u>Plan Quantity</u> (LB) Section 511		0.94		8.00		1.50		
Bar Reinf Steel (LB) Section 511	710.00	0.89	0.6319	8.00	5.06	1.50	0.95	BAR REINF STEEL
Piling____inch (LF) Section 520		72.18		8.00		1.50		
Piling____inch (LF) Section 520		503.44		8.00		1.50		
Piling____inch (LF) Section 520				8.00		1.50		
Piling____inch (LF) Section 520				8.00		1.50		
Piling____inch (LF) Section 520				8.00		1.50		
Piling____inch (LF) Section 520				8.00		1.50		
Drilled Caisson,____ (LF) Section 524		1,580.45		8.00		1.50		
Drilled Caisson,____ (LF) Section 524				8.00		1.50		
Drilled Caisson,____ (LF) Section 524				8.00		1.50		
Pile Encasement,____(LF) Section 547				8.00		1.50		
Pile Encasement,____(LF) Section 547				8.00		1.50		
SUM QF DIESEL=			58496.99	SUM QF UNLEADED=			15796.37	
DIESEL PRICE ADJUSTMENT(\$)				\$143,759.27				
UNLEADED PRICE ADJUSTMENT(\$)				\$34,569.56				

ASPHALT CEMENT PRICE ADJUSTMENT FOR TACK COAT(Surface Treatment 125% MAX)

BITUMINOUS

APPLICABLE TO CONTRACTS CONTAINING THE 413 SPEC. SECTION 413.5.01 ADJUSTMENTS ASPHALT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT

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

ENTER APL

ENTER APM

MISSING APL OR APM **MISSING APL OR APM**

Use this side for Asphalt Emulsion Only		
L.I.N.	TYPE	ASPHALT EMULSION (GALLONS)
TMT =		<input style="width: 100px;" type="text"/>
REMARKS:		

Use this side for Asphalt Cement Only		
L.I.N.	TYPE	TACK (GALLONS)
TMT =		<input style="width: 100px;" type="text"/>
REMARKS:		

MONTHLY PRICE ADJUSTMENT(\$) **MISSING APL OR APM**

ADJUSTMENT SUMMARY

FUEL PRICE ADJUSTMENT (<i>ENGLISH 125% MAX</i>)	
DIESEL PRICE ADJUSTMENT(\$)	<u>\$143,759.27</u>
UNLEADED PRICE ADJUSTMENT(\$)	<u>\$34,569.56</u>
ASPHALT CEMENT PRICE ADJUSTMENT (BITUMINOUS TACK COAT 125% MAX)	<u>\$3,471.17</u>
400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT 125% MAX	<u>\$350,213.82</u>
ASPHALT CEMENT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT(Surface Treatment 125% MAX)	<u>MISSING APL OR APM</u>

REMARKS:

TOTAL ADJUSTMENTS **\$532,013.82**

Benefit Cost Analysis Work Sheet CONGESTION Projects

Project Number: BHF-STP-001-5(24) - Phase 2

PI Number: 720125 - Phase 2

County: Fulton County

Project Description: Widening of US 41 from Mt. Paran Rd to Northgate Drive

Congestion Benefit = Tb + CMb + Fb

Person Time Savings Benefit (Tb)

*Db (hrs)	0.004
ADT	50,250.00
Tb (\$s)	\$6,909,375.00

Commercial or Truck Time Savings Benefit (CMb)

Db (hrs)	0.004
% Truck Traffic	0.04
ADT	50,250.00
CMb	\$1,460,265.00

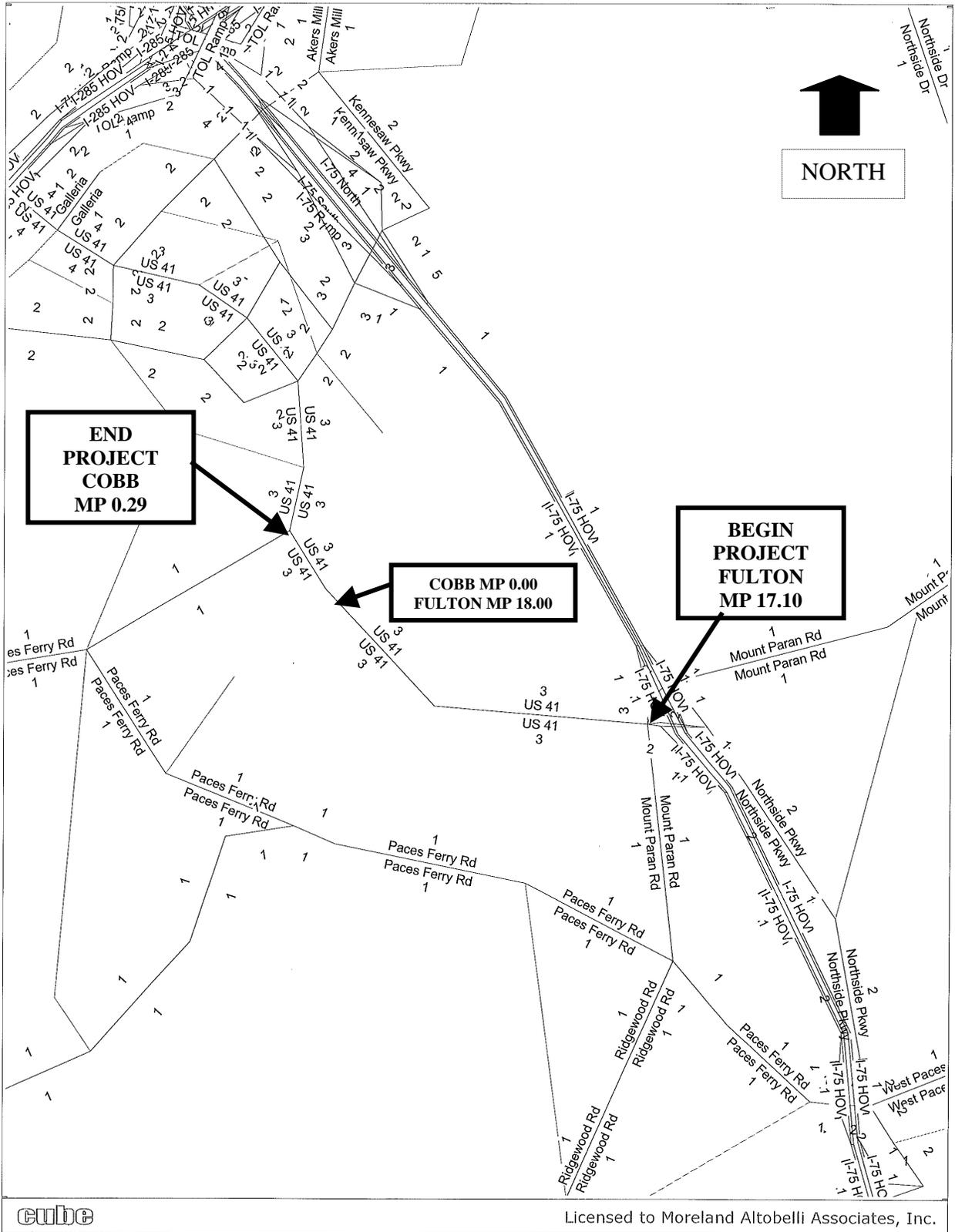
Fuel Savings Benefit (Fb)

ADT	50,250.00
Fb (\$s)	\$2,407,812.50

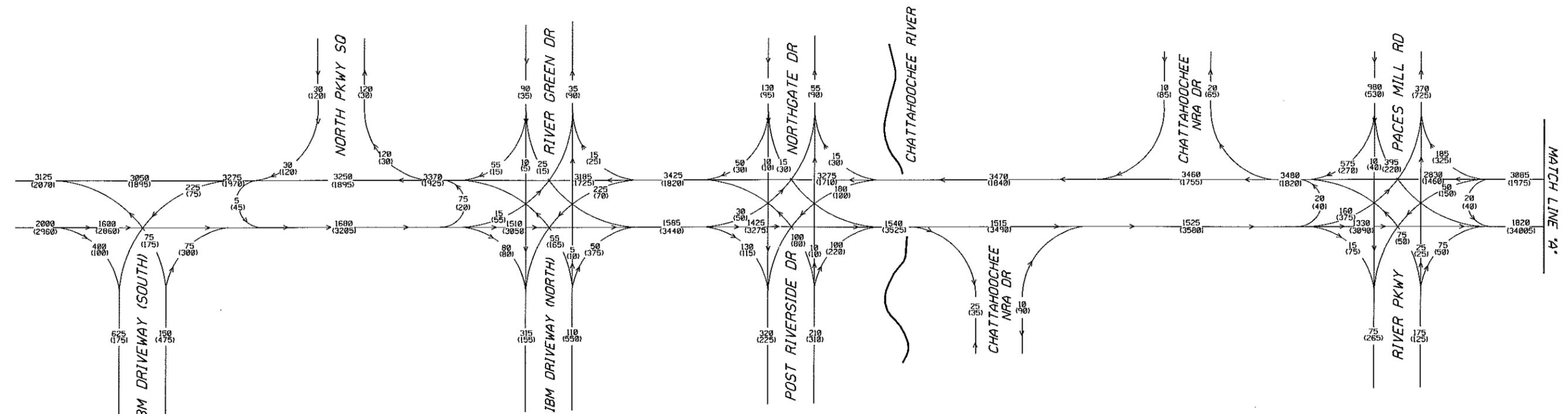
Total Congestion Benefit	\$10,777,452.50
Total Project Cost	\$8,186,184.98
B/C Ratio	1.32

*Reduction in delay or **Delay Benefit (D_b)** can be defined as the difference between the peak hour travel time through the corridor without the proposed improvement and the peak hour travel time through the corridor with the proposed improvement.

Schematic Plan Map

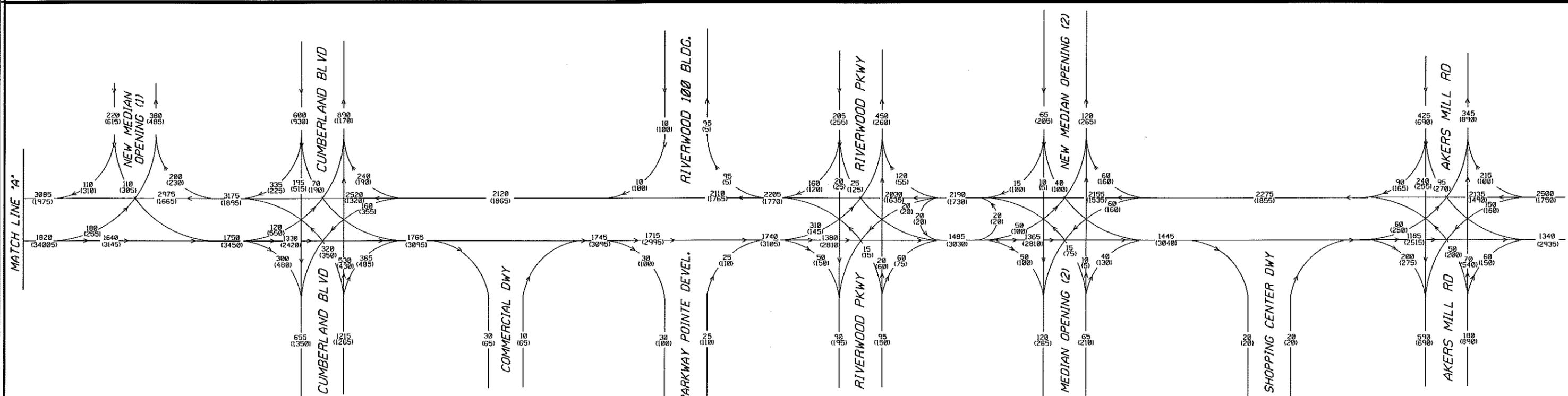


REVISION NO.	DATE	BY	DESCRIPTION



P.I. NUMBER 720125

TRAFFIC PROVIDED BY THE
GEORGIA DEPARTMENT OF TRANSPORTATION



P.I. NUMBER 721152

YEAR 2032
00 AM PEAK HOUR
(00) PM PEAK HOUR

REVISIONS			
DATE	BY	DESCRIPTION	DATE

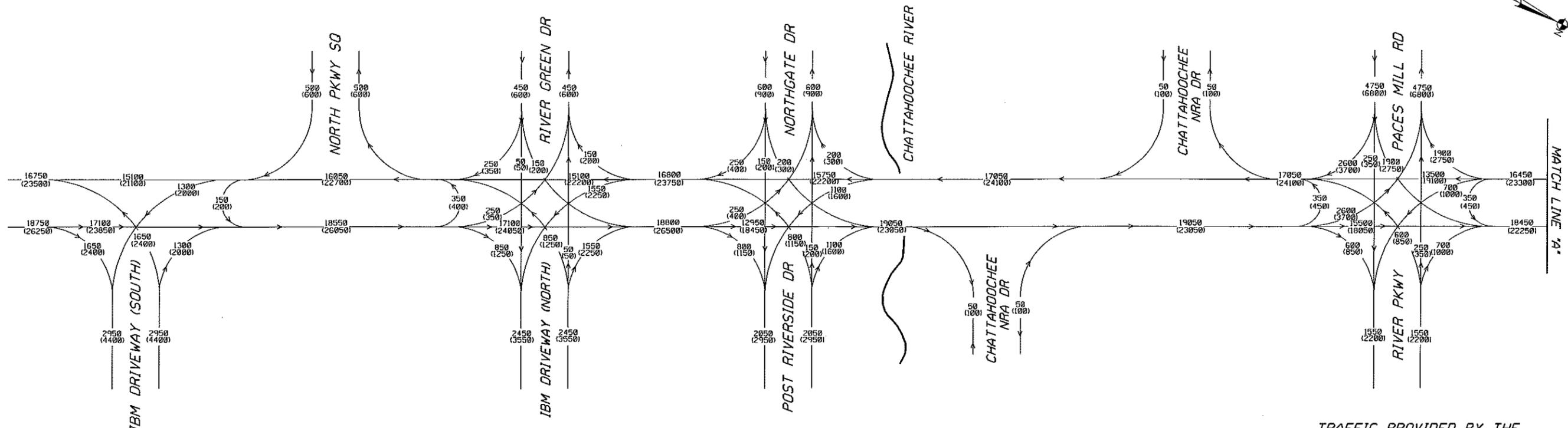
MA Morland Altobelli Associates, Inc.
8811 BEAVER BOND ROAD
SUITE 150
DUBLIN, GA 30098
PHONE 770-233-2333

DATE	BY	DATE	BY

U.S. 41/COBB PARKWAY
YEAR 2032 PEAK HOUR DESIGN TRAFFIC
TRAFFIC FLOW DIAGRAM

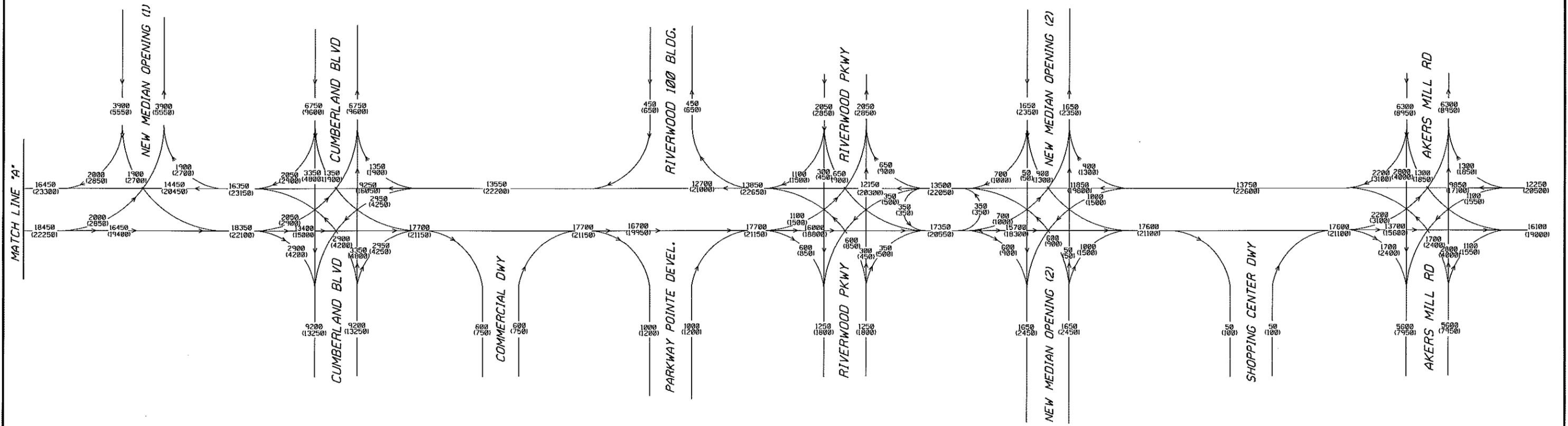
SCALE
AS SHOWN

GEORGIA DOT PROJECT NUMBER	COUNTY PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS



P.I. NUMBER 720125

TRAFFIC PROVIDED BY THE GEORGIA DEPARTMENT OF TRANSPORTATION



P.I. NUMBER 721152

24 HR T = 4%
 S.U. = 2%
 COMB = 2%
 (00) YEAR 2012
 (00) YEAR 2032

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MA Moreland Aljibelli Associates, Inc.
 531 BEAVER BROS ROAD
 SUITE 190
 ATLANTA, GEORGIA 30328
 TELEPHONE 770-288-0848

DESIGNED BY	DATE	CHECKED BY	DATE

U.S. 41/COBB PARKWAY
 YEAR 2012/2032 AVERAGE DAILY TRAFFIC
 TRAFFIC FLOW DIAGRAM

GEORGIA DOT PROJECT NUMBER

GEORGIA DEPARTMENT OF TRANSPORTATION

Bridge Inspection Report

District: 7
 Bridge Inspector: David Simmons
 Location ID: 121-00003D-017.91N
 Structure ID: 121-0015-0

Inspection Date: 7/5/01
 Over: CHATTAHOOCHEE RIVER
 County: Fulton Area 7
 Road Name: US 41

Inspection Area: 07
 Bridge Status: 07

EVALUATION & DEFICIENCIES

SubStructure:

Year Painted: 0000

Abutments # 1 & 11 are concrete spill through type with minor hairline cracks and minor settlement.
 Bents # 2 - 10 are massive concrete piers with general deterioration due to age.

SuperStructure:

Year Painted: 1974

Ten span steel multi beams. Three main and seven approach.
 Minor corrosion and starting to pit in bearing areas and beam ends. 0.0625" of section loss at this time.
 Old silver paint is peeling and faded badly. Bridge is in need of painting badly.

Deck:

8.0" Concrete deck with minor transverse cracking and raveling.
 Several patched areas in deck from previous spalls.
 All poured sealant joints are loose and leaking.
 Minor deck spalls at bents # 2 & 3 of 5 square feet total.
 Joints at bents # 6,7 & 8 are jammed.

General:

Built in 1935. H-20 design. Project # NRH - 535 - C
 Bridge is in overall fair condition with general deterioration due to age.
 Used ladder to inspect top of caps and bearings at bents 8,9 & 10. Used boat on 08-16-99.
 Concrete hand rail and post damage in spans # 3,4,5,6 & 7.
 Minor guard rail damage forward and rear on both sides.

Bottom of river is washed around bent # 4 with no undermining as per divers in 03-99.

Condition Rating

Temp Shored: No

Component	Material	Rating	Truck Type	Gross/H-Mod	HSMMod	Tand	3-S-2	Log	Piggy
Substructure	Concrete	7	Calculated Posting	20	25	28	40	36	40
Superstructure	Steel	5	Posting Required	No	No	No	No	No	No
Deck	Concrete	5	Existing Posting	00	00	00	00	00	00

School Bus Route.

Structure Does Not Require Posting

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 121-0015-0

Fulton Area 7

SUFF. RATING

47.71

Location & Geography

* Structure I.D.No: 121-0015-0
 * 200 Bridge Information: 07
 * 6A Feature Int: CHATTAHOOCHEE RIVER
 * 6B Critical Bridge: 0
 * 7A Route Number Carried: SR00003
 * 7B Facility Carried: US 41
 * 9 Location: INNFULTON
 * 2 DOT District: 7
 * 207 Year Photo: 2005
 * 91 Inspection Frequency: 24 Date: 07/06/2005
 * 92A Fract Crit Insp Freq: 00 Date: 02/01/1901
 * 92B Underwater Insp Freq: 60 Date: 08/23/2006
 * 92C Other Spc. Insp Freq: 00 Date: 02/01/1901
 * 4 Place Code: 04000
 * 5 Inventory Route (O/U): 1
 * Type: 2
 * Designation: 1
 * Number: 00041
 * Direction: 0
 * 16 Latitude: 33-52.1 MMS Prefix: SR
 * 17 Longitude: 84-22.8 MMS Suffix: 03 MP: 17.91
 * 98 Border Bridge: 000 %Shared: 00
 * 99 ID Number: 0000000000000000
 * 100 STRAHNET: 0
 * 12 Base Highway Network: 1
 * 13A LRS Inventory Route: 1211000300
 * 13B Sub Inventory Route: 0
 * 101 Parallel Structure: N
 * 102 Direction of Traffic: 2
 * 264 Road Inventory Mile Post: 017.96
 * 208 Inspection Area: 07 Initials: DAS
 * Engineer's Initial: sgm

* Location I.D. No.: 121-00003D-017.91N
 * 108 Wearing Surface Type: 1
 * 107 Deck Structure Type: 1
 * 111 Pier Protection: 0
 * 226 Bridge Curve Horz.: 0
 * 46 No. Spans Appr: 0000
 * 44 Structure Type Appr: 0 00
 * 45 No. Spans Main: 010
 * 43 Structure Type Main: 4 02
 * 259 Pile Encasement: 3
 * 203 Type Bridge: A-O-M-O
 * 214 Movable Bridge: 0
 * 42 Type of Service on: 5
 * 267 Type of Paint: 1
 * 213 Special Steel Design: 8
 * 38 Navigation Control: 0
 * 35 Structure Flared: 0
 * 34 Skew: 00
 * 33 Bridge Median: 0
 * 106 Year Reconstructed: 0000
 * 27 Year Constructed: 1935
 * 205 Congressional District: 05
 * 37 Historical Significance: 5
 * 31 Design Load: 4
 * 22 Owner: 01
 * 21 Maintenance: 01
 * 20 Toll: 3
 * 19 Bypass Length: 05
 * 218 Datum: 0
 * 217 Benchmark Elevation: 0000.00
 * 206 School Bus Route: 1
 * 110 Truck Route: 0
 * 105 Federal Lands Highway: 0
 * 204 Federal Route Type: F No.: 00015
 * 26 Functional Classification: 14
 * 104 Highway System: 0

Signs & Attachments

225 Expansion Joint Type: 02
 242 Deck Drains: 1
 243 Parapet Location: 0
 Height: 0.00
 Width: 0.00
 238 Curb: 238
 Handrail: 239
 Median Barrier Rail: * 240
 Bridge Median Height: 241
 Width: 0.00
 * 230 Guardrail Loc Dir Rear: 3
 Fwrd: 3
 Oppo Dir Rear: 0
 Fwrd: 0
 244 Approach Slab: 0
 224 Retaining Wall: 0
 233 Posted Speed Limit: 50
 236 Warning Sign: 0
 234 Delineator: 1
 235 Hazard Boards: 1
 237 Utilities Gas: 21
 W 21
 Ele 00
 Telephone: 24
 Sk 21
 247 Lighting Street: 0
 Navigation: 0
 Aerial: 0

* 248 County Continuity No.: 13
 * 247 Lighting Street: 0
 Navigation: 0
 Aerial: 0
 * 248 County Continuity No.: 13
 F 0
 M 0

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 121-0015-0

Fulton Area 7

SUFF. RATING

47.71

Programming Data

201 Project No.: NRH-535-C
 202 Plans Available: 4
 249 Prop. Proj. No. BHF-STP-001-5 (2)
 250 Approval Status: 9021
 251 P.I. No.: 720125-
 252 Contract Date: 02/01/2006
 260 Seismic No.: 00000
 75 Type Work: 31 1
 94 Bridge Imp. Cost: \$ 3,244
 95 Roadway Imp. Cost: \$ 253
 96 Total Imp Cost: \$ 4,014
 76 Imp. Length: 000726
 97 Imp. Year: 1990
 114 Future ADT: 035340 Year: 2025

Measurements

* 29 ADT: 023560 Year: 2005
 109 % Trucks: 0
 * 28 Lanes On: 04 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0090
 * 49 Structure Length: 515
 51 Br. Rwdy. Width: 40.00
 52 Deck Width: 49.30
 * 47 Tot. Horz. Cl: 40.00
 50 Curb/Sdewlk Width: 5.20/0.60
 32 Approach Rdwy Width: 046
 * 229 Shoulder Width:
 Rear Lt: 3.00 Type: 2 Rt: 1.50
 Fwd Lt: 4.00 Type: 5 Rt: 5.00
 Pavement Width:
 Rear: 42.00 Type: 2
 Fwd: 48.00 Type: 2
 Intersection Rear: 0 Fwd: 0
 36 Safety Features Br. Rail:
 Transition: 2
 App. G. Rail: 2
 App. Rail End: 2
 53 Minimum Cl. Over:
 Under: N
 228 Min. Vertical Cl
 Act. Odm Dir: 99 ' 99 "
 Oppo. Dir: 99 ' 99 "
 Posted Odm. Dir: 00 ' 00 "
 Oppo. Dir: 00 ' 00 "
 55 Lateral Undercl. Rt: N 99.90
 56 Lateral Undercl. Lt: 0.00
 * 10 Max Min Vert Cl: 99 ' 99 " Dir: 0
 39 Nav Vert Cl: 000 Horz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 8.00
 Deck Thick Approach: 0.00
 246 Overlay Thickness: 0.00
 212 Year Last Painted: Sup: 1974 Sub: 0000

Ratings

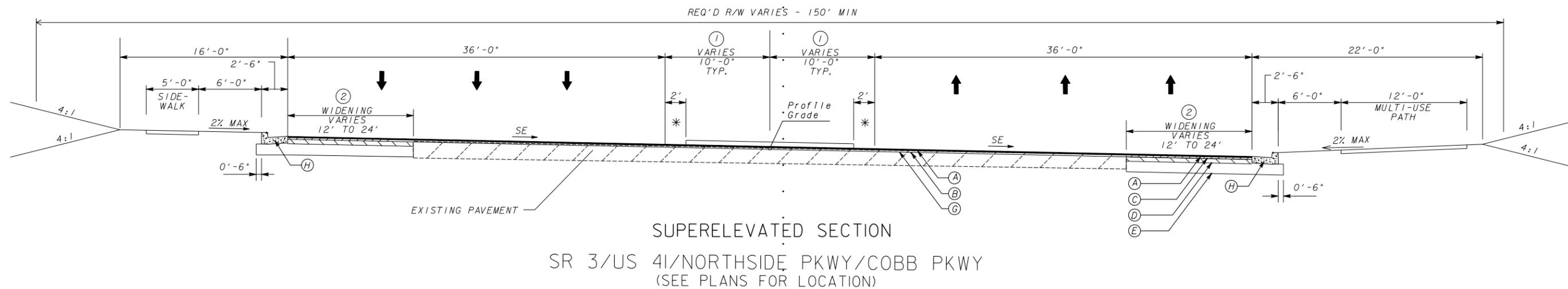
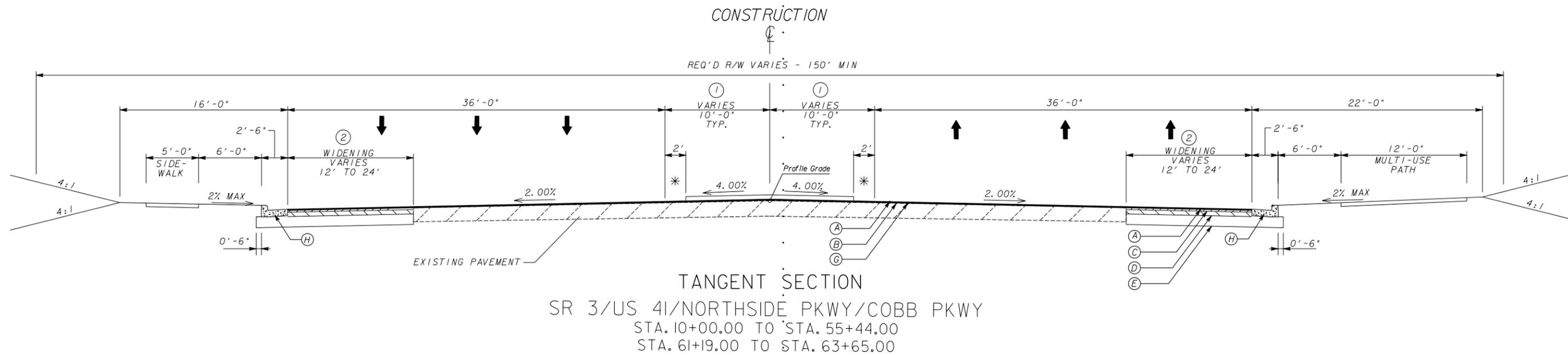
65 Inventory Rating Method: 1
 63 Inventory Rating Method: 1
 66 Inventory Type: 2 Rating: 28
 64 Operating Type: 2 Rating: 47
 231 Calculated Loads
 H-Modified: 21 0
 HS-Modified: 29 0
 Type 3: 26 0
 Type 3s2: 40 0
 Timber: 33 0
 Piggyback: 40 0
 261 H Inventory Rating: 21
 262 H Operating Rating: 34
 67 Structural Evaluation: 5
 58 Deck Condition: 5
 59 Superstructure Condition: 5
 * 227 Collision Damage: 0
 60A Substructure Condition: 6
 60B Scour Condition: 6
 60C Underwater Condition: 6
 71 Waterway Adequacy: 8
 61 Channel Protection Cond: 7
 68 Deck Geometry: 2
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 8
 62 Culvert: N

Hydraulic Data

215 Waterway Data
 Highwater Elev.: 0000.0 Year: 1900
 Avg. Streambed Elev.: 0000.0 Freq.: 00
 Drainage Area: 00000
 Area Of Opening: 000000
 113 Scour Critical: U
 216 Water Depth: 4.5 Br. Height: 35.7
 222 Slope Protection: 1
 221 Spur Dikes Rear: 0 Fwd: 0
 219 Fender System: 0
 220 Dolphin: 0
 223 Culvert Cover: 000
 Type: 0
 No. Barrels: 0
 Width: 0.00 Height: 0.00
 Length: 0 Apron: 0
 * 265 U/W Insp. Area: 1 Diver: RM
 * Location I.D. No.: 121-00003D-017.91N

Posting Data

70 Bridge Posting Required: 5
 41 Struct Open, Posted, Cl: A
 * 103 Temporary Structure: 0
 232 Posted Loads H-Modified: 00
 HS-Modified: 00
 Type 3: 00
 Type3s2: 00
 Timber: 00
 Piggyback: 00
 253 Notification Date 02/01/1901
 253 Fed Notify Date: 02/01/1901

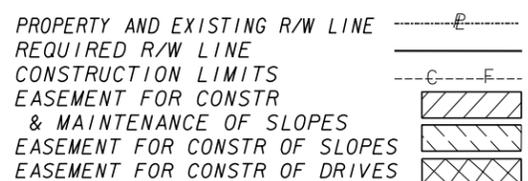


- ① ADDITIONAL 12' LEFT TURN LANES WHERE REQUIRED.
- ② ADDITIONAL 12' RIGHT TURN LANES WHERE REQUIRED.

* CONCRETE MEDIAN SHALL BE CONSTRUCTED WITH TYPE 7 CURB FACE

- PROPOSED PAVEMENT FOR ESTIMATION PURPOSES ONLY
- (A) ASPHALTIC CONC. 12.5mm SUPERPAVE (165 lbs/SY), SUPERPAVE MIX DESIGN LEVEL C
 - (B) ASPHALTIC CONC. 19mm SUPERPAVE (220 lbs/SY), SUPERPAVE MIX DESIGN LEVEL C
 - (C) ASPHALTIC CONC. 19mm SUPERPAVE (330 lbs/SY), SUPERPAVE MIX DESIGN LEVEL C
 - (D) ASPHALTIC CONC. 25mm SUPERPAVE (880 lbs/SY), SUPERPAVE MIX DESIGN LEVEL B
 - (E) GRADED AGGREGATE BASE (10")
 - (G) LEVELING
 - (H) 8'X30' CONCRETE CURB & GUTTER, TYPE 2

PHASE 1: STA 10+00.00 TO STA 44+57.69
 PHASE 2: STA 44+57.69 TO STA 73+04.62

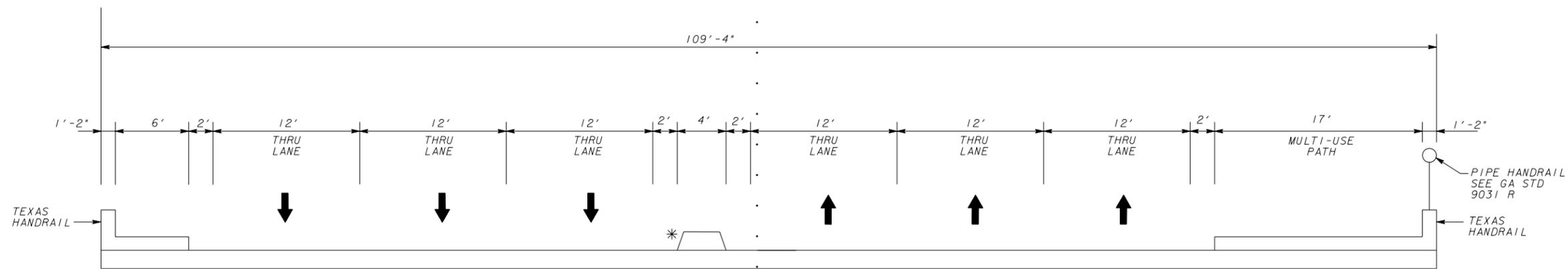


BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS

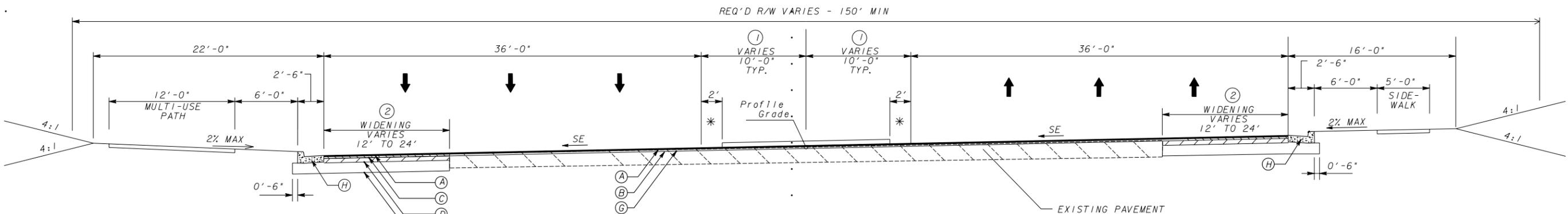


NOT TO SCALE

REVISION DATES		STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: URBAN DESIGN	
		TYPICAL SECTIONS	
		SR 3 / US 41 WIDENING	
		STP-001-5 (24) PI # 720125	
		DRAWING No. 5-01	



LOOKING AHEAD
SR 3/US 41/NORTHSIDE PKWY BRIDGE OVER CHATTAHOOCHEE RIVER



SUPERELEVATED SECTION
SR 3/US 41/NORTHSIDE PKWY/COBB PKWY
(SEE PLANS FOR LOCATION)

- ① ADDITIONAL 12' LEFT TURN LANES WHERE REQUIRED.
- ② ADDITIONAL 12' RIGHT TURN LANES WHERE REQUIRED.

* CONCRETE MEDIAN SHALL BE CONSTRUCTED WITH TYPE 7 CURB FACE

- PROPOSED PAVEMENT FOR ESTIMATION PURPOSES ONLY
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 - (C) ASPHALTIC CONC. 19mm SUPERPAVE (330 lbs/SY), SUPERPAVE MIX DESIGN LEVEL C
 - (D) ASPHALTIC CONC. 25mm SUPERPAVE (880 lbs/SY), SUPERPAVE MIX DESIGN LEVEL B
 - (E) GRADED AGGREGATE BASE (10')
 - (G) LEVELING
 - (H) 8'X30' CONCRETE CURB & GUTTER, TYPE 2

PHASE I

PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----
CONSTRUCTION LIMITS	-----C-----F-----
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Hatched Box]

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

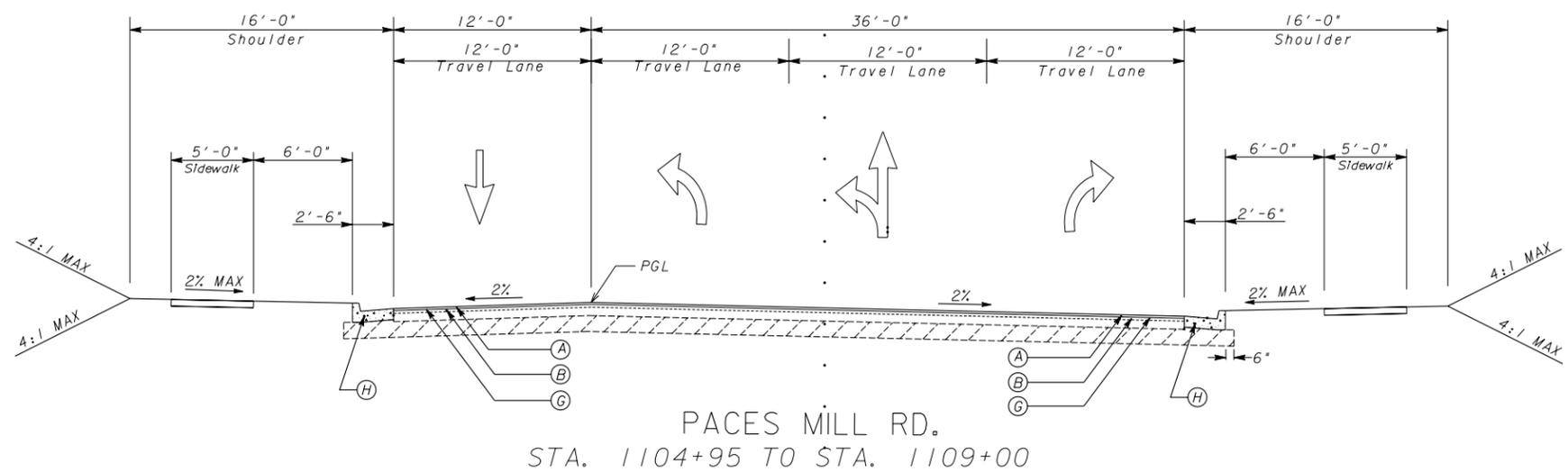
MA Moreland Altobelli Associates, Inc.
2211 Bedver Ruin Road, Suite 190
Norcross, Georgia 30071
Telephone (770) 263-5945

NOT TO SCALE

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: URBAN DESIGN
TYPICAL SECTIONS
SR 3 / US 41 WIDENING
STP-001-5 (24) PI # 720125

DRAWING No. **5-02**



- PROPOSED PAVEMENT FOR ESTIMATION PURPOSES ONLY
- (A) ASPHALTIC CONC. 12.5mm SUPERPAVE (165 lbs/SY), SUPERPAVE MIX DESIGN LEVEL C
 - (B) ASPHALTIC CONC. 19mm SUPERPAVE (220 lbs/SY), SUPERPAVE MIX DESIGN LEVEL C
 - (C) ASPHALTIC CONC. 19mm SUPERPAVE (330 lbs/SY), SUPERPAVE MIX DESIGN LEVEL C
 - (D) ASPHALTIC CONC. 25mm SUPERPAVE (880 lbs/SY), SUPERPAVE MIX DESIGN LEVEL B
 - (E) GRADED AGGREGATE BASE (10")
 - (G) LEVELING
 - (H) 8'X30' CONCRETE CURB & GUTTER, TYPE 2

PHASE 1

PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----
CONSTRUCTION LIMITS	---C---F---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS -----
 REQ'D R/W & LIMIT OF ACCESS

MA Moreland Altobelli Associates, Inc.
 2211 Bedver Ruin Road, Suite 190
 Norcross, Georgia 30071
 Telephone (770) 263-5945

NOT TO SCALE

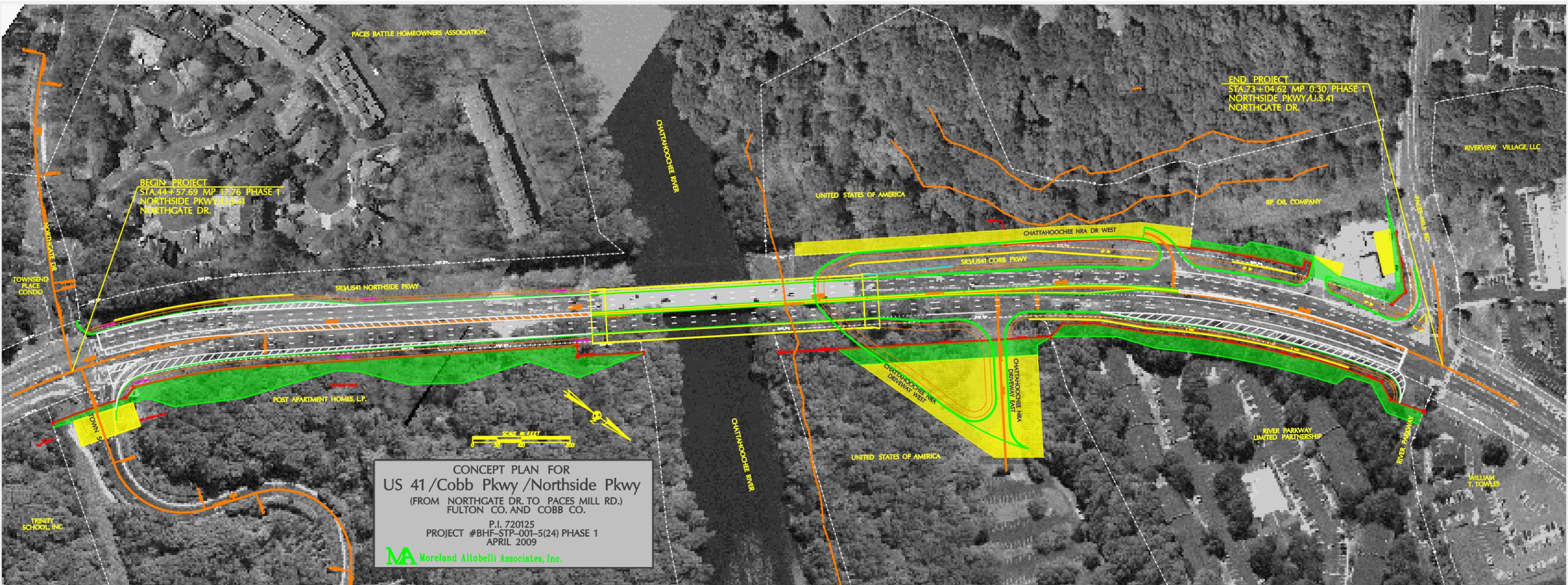
REVISION DATES	

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: URBAN DESIGN

TYPICAL SECTIONS

SR 3 / US 41 WIDENING
 STP-001-5 (24) PI #720125

DRAWING No.
5-03



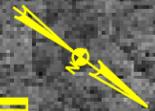
BEGIN PROJECT
 STA. 44+57.69 MP 0.276 PHASE 1
 NORTHSIDE PKWY/U.S.41
 NORTHGATE DR.

END PROJECT
 STA. 73+04.62 MP 0.30, PHASE 1
 NORTHSIDE PKWY/U.S.41
 NORTHGATE DR.

**CONCEPT PLAN FOR
 US 41/Cobb Pkwy/Northside Pkwy**
 (FROM NORTHGATE DR. TO PACES MILL RD.)
 FULTON CO. AND COBB CO.

P.I. 720125
 PROJECT #BHF-STP-001-5(24) PHASE 1
 APRIL 2009

MA Moreland Allobelli Associates, Inc.



PACES BATTLE HOMEOWNERS ASSOCIATION

CHATTAHOOCHEE RIVER

UNITED STATES OF AMERICA

BP OIL COMPANY

CHATTAHOOCHEE NRA DR. WEST

SR34J541 COBB PKWY

SR34J541 NORTHSIDE PKWY

POST APARTMENT HOMES, L.P.

CHATTAHOOCHEE NRA DRIVEWAY WEST

CHATTAHOOCHEE NRA DRIVEWAY EAST

UNITED STATES OF AMERICA

RIVER PARKWAY LIMITED PARTNERSHIP

RIVER PARKWAY

COB TOWN

TOWNSEND PLACE CONDO

TRINITY SCHOOL, INC.

RIVERVIEW VILLAGE, LLC

WILLIAM T. TOWLES



BEGIN PROJECT
STA.10+00.00, MP. 17.10, PHASE 2
NORTHSIDE PKWY./U.S.41
MT.PARAN RD.

END PROJECT
STA.44+57.69, MP. 17.76, PHASE 2
NORTHSIDE PKWY./U.S.41
NORTHGATE DR.

PROPOSED
CONSTRUCTION
BY PHASE 1
P.I.# 720125

CONCEPT PLAN FOR
US 41/Northside Pkwy./Cobb Pkwy.
(FROM MT. PARAN RD. TO NORTHGATE DR.)
FULTON CO. AND COBB CO.
P.I. # 720125
PROJECT #BHF-STP-001-05(24) PHASE 2
MAY 2009
MA Moreland Altobelli Associates, Inc.

NOT TO SCALE