

ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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

**FILE** P.I. #0009563

**OFFICE** Design Policy & Support

Fulton County

**DATE** March 10, 2010

Johns Creek Greenway Segment 1 Part 2

**FROM**  Brent Story, State Design Policy Engineer

**TO** SEE DISTRIBUTION

**SUBJECT** APPROVED CONCEPT REPORT AND NOTICE OF LOCATION & DESIGN

Attached is the approved Concept Report and Notice of Location and Design for the above subject project.

Attachment

DISTRIBUTION:

Ron Wishon, State Project Review Engineer  
Glenn Bowman, State Environmental Administrator  
Ken Thompson, Statewide Location Bureau Chief  
Michael Henry, Systems & Classification Branch Chief  
Keith Golden, State Traffic Operations Engineer  
Angela Alexander, State Transportation Planning Administrator  
Paul Liles, State Bridge Engineer  
Bobby Hilliard, State Program Delivery Engineer  
Angela Robinson, Financial Management Administrator  
Mike Lobdell, Chamblee District Preconstruction Engineer & Project Manager  
Bryant Poole, Chamblee District Engineer  
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**DISTRICT SEVEN PRECONSTRUCTION**

**PROJECT CONCEPT REPORT**

County: Fulton

P. I. Number: 0009563

Federal Route Number: N/A

State Route Number: 141

Recommendation for approval:

DATE 10/20/09

*Mark J. ...*  
Project Manager

DATE 10/20/09

*Ben ...*  
Office Head/District Engineer

See Sheets 2 & 3 for Location Map

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Improvement Program (STIP).

DATE 10/23/09

*Angela J. Alexander*  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Financial Management Administrator

DATE 11/05/09

*Glenn Bowman / DRP\**  
State Environment/Location Engineer

DATE 10/29/09

*Kathren Zahul for / DRP\**  
State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

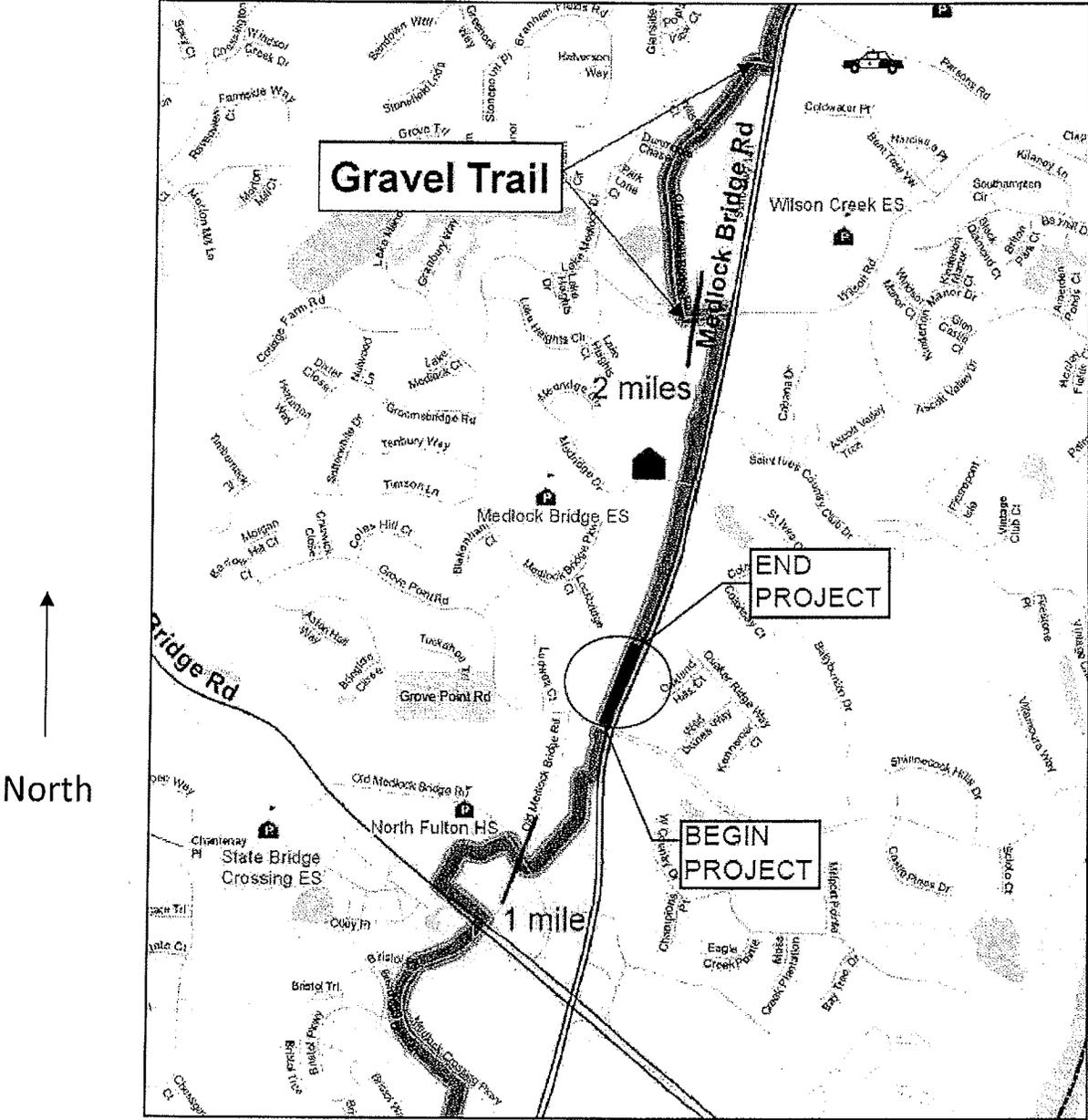
\_\_\_\_\_  
District Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Review Engineer

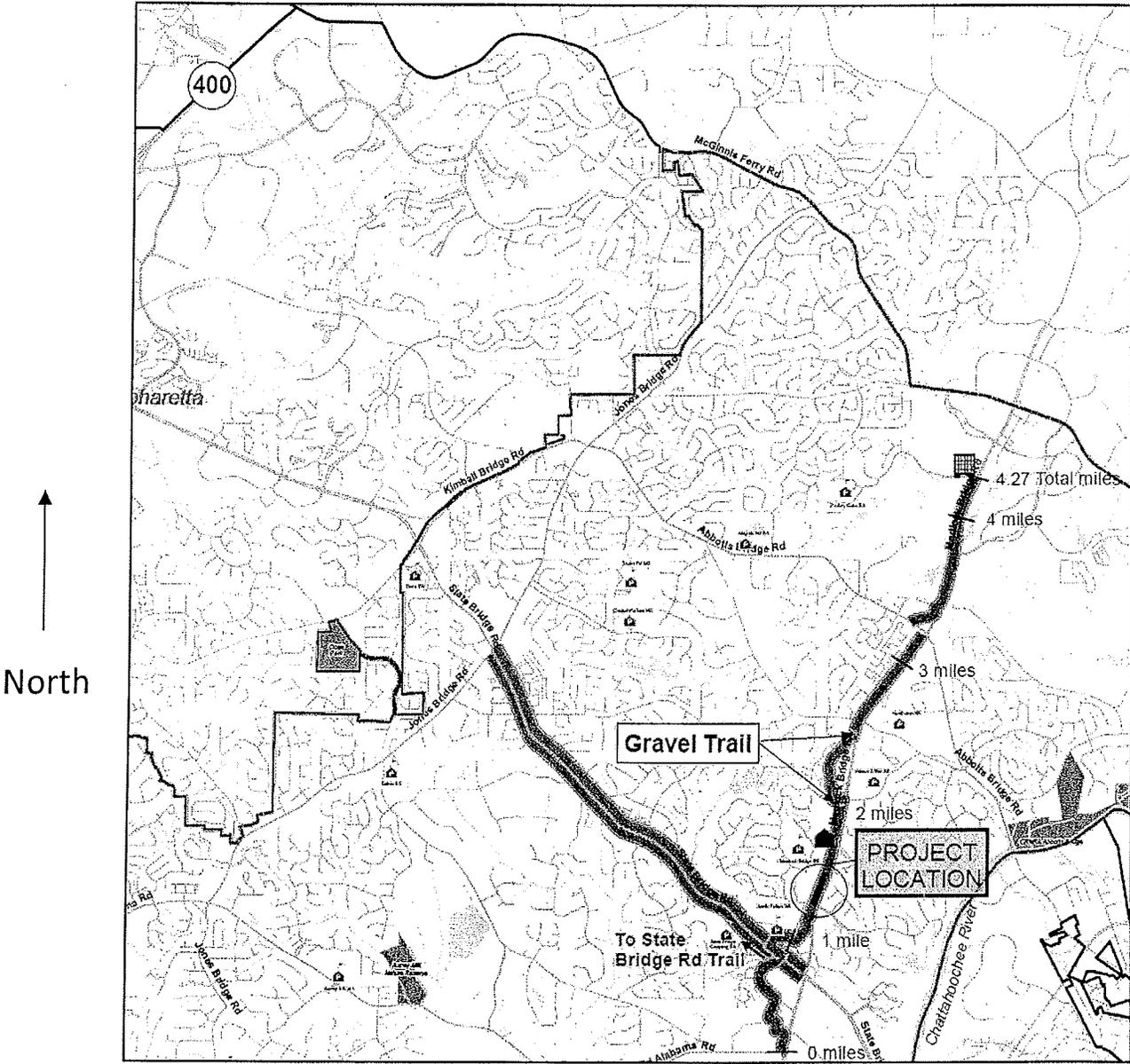
*\*Approval on file*

# Project Location Map



Johns Creek Greenway Segment 1 Part 2  
GDOT P.I. No. 0009563, Fulton County

### Project Location Map



Johns Creek Greenway Segment 1 Part 2  
GDOT P.I. No. 0009563, Fulton County

**Need and Purpose:**

The purpose of this project is to provide a clean, functional, aesthetic multimodal greenway trail for non-motorized modes of transportation. A comprehensive and continuous network of trails will encourage more pedestrian travel and may reduce air pollution from motor vehicles. This project will improve the quality of life for the surrounding community and offer a means to achieve personal physical fitness. The project will meet the Americans with Disabilities Act.

The greenway trail will serve as the spine for a future network of trails and sidewalks in North Fulton County. The trail will connect Technology Park, a 200-acre development at the northern end of the project, with Perimeter Church, a 350-acre facility located on the corner of Old Alabama Road and Medlock Bridge Road at the southern end of the project, and will tie into other trails that are currently being constructed by private owners, such as trails on the Warsaw Village property on State Bridge Road. Additionally, the proposed trail will also provide connections to schools, shopping centers, residential neighborhoods, movie theatres, restaurants, and other points of interest located along the route.

**Description of the proposed project:**

Project P.I. No.0009563 located in the City of Johns Creek, Fulton County, GA is proposed to install a multi-use trail along the west side of Medlock Bridge Road just north of Grove Point Road. The project includes removing existing guardrail and adding approximately five hundred feet (500ft) of an eight foot (8ft) wide concrete multi-use trail and a two hundred feet (200 ft) long retaining wall approximately four to six feet (4ft – 6ft) high. To comply with the City of Johns Creek zoning ordinance, the retaining wall will be treated with a textured finish.

The City anticipates constructing this project within the existing right of way. There is seventeen feet (17ft) of right-of-way as measured from the back of curb at the retaining wall location. Based GDOT Construction Detail PW-1 Parapet Retaining Wall, the maximum toe dimension of the footing is two foot nine inches (2'9"). Therefore, the maximum horizontal offset for the tallest wall allowed would be eleven feet ten inches (11'10") from the back of the curb. The maximum horizontal offset includes the eight foot (8ft) wide multi-use trail, one foot one inch (1'1") wide parapet wall and a two foot nine inch (2'9") wide toe. This allows for an additional five feet two inches (5'2") of construction area as measured from the existing right of way thus giving the contractor room to work within the existing right of way.

Also, it is anticipated that the contractor will have a need to close the southbound deceleration turn lane from Medlock Bridge Road to Grove Point Road for a portion of this work. This should result not only in easier constructability but also in greater safety for the traveling public and for the workers on the project.

**Project Length:** 0.09 miles (Along Medlock Bridge Rd)

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

The project includes adding an eight foot trail and retaining wall in the right-of-way. The project improves the pedestrian connectivity in the City and does not contribute to any additional pollutants in the air as only non-motorized vehicles are allowed on the trail.



- Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	()	()	(X)
ROADWAY WIDTH:	()	()	(X)
SHOULDER WIDTH:	()	()	(X)
VERTICAL GRADES:	()	()	(X)
CROSS SLOPES:	()	()	(X)
STOPPING SIGHT DISTANCE:	()	()	(X)
SUPERELEVATION RATES:	()	()	(X)
HORIZONTAL CLEARANCE:	()	()	(X)
SPEED DESIGN:	()	()	(X)
VERTICAL CLEARANCE:	()	()	(X)
BRIDGE WIDTH:	()	()	(X)
BRIDGE STRUCTURAL CAPACITY:	()	()	(X)

- Design Variances:
  - Horizontal clearance
- Environmental concerns: The original environmental document was approved under P.I. No. 0002649, Johns Creek Greenway Segment 1. This project was included in the environmental document for that project and as such an environmental re-evaluation will be completed for this project to meet the environmental requirements.
- Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes (X) No ( )
  - Categorical exclusion (X ),
  - Environmental Assessment/Finding of No Significant Impact (FONSI) ( ), or
  - Environmental Impact Statement (EIS) ( )
- Utility involvements:
  - Atlanta Gas/Light
  - AT&T
  - Sawnee EMC
  - Georgia Power
  - Comcast
  - Fulton County Water & Sewer
  - Georgia Department of Transportation – Signal Loops

**VE Study Required:**            Yes ( )            No (X)

**Project responsibilities:**

- Design: City of Johns Creek/TSD Engineers Inc.
- Right-of-Way Acquisition: City of Johns Creek (No RW or Easements Required)
- Relocation of Utilities: City of Johns Creek/Utility Companies
- Letting to contract: City of Johns Creek
- Supervision of construction: Georgia Department of Transportation
- Providing material pits: Contractor
- Providing detours: N/A (No offsite detours required)

### **Coordination**

- Initial Concept Meeting date and brief summary: N/A
- Concept meeting date and brief summary: N/A
- P A R: N/A
- FEMA, USCG, and/or TVA: N/A
- Public involvement: Public involvement for this project was coordinated under the Johns Creek Greenway Segment 1 Project, P.I. 0002649. (2) Public meetings were held on May 14 and August 12, 2003. In addition, (4) Citizen Advisory committee meetings were held.
- Local government comments. *None*
- Other projects in the area:
  - Johns Creek Greenway Segment 1, P.I. No. 0002649
- Railroads: N/A

### **Scheduling – Responsible Parties' Estimate**

- Time to complete the environmental process:  N/A  Months.
- Time to complete preliminary construction plans:  1  Months.
- Time to complete right-of-way plans:  N/A  Months.
- Time to complete the Section 404 Permit:  N/A  Months.
- Time to complete final construction plans:  1  Months.
- Time to complete to purchase right-of-way:  N/A  Months.
- List other major items that will affect the project schedule:  N/A

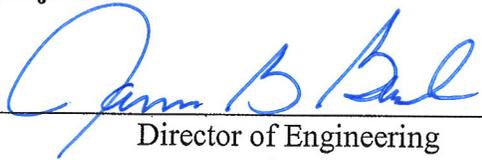
**Other alternates considered:** No Build

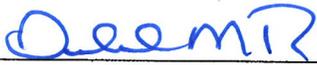
### **Attachments:**

1. Cost Estimates:
  - a. Construction including E&C
  - b. Right-of-Way
  - c. Utilities
2. Typical sections

Project Concept Report page 8  
Project Number: n/a  
P. I. Number: 0009563  
County: Fulton

**Exempt projects**

Concur:   
Director of Engineering

Approve:   
Chief Engineer

Date: 03/10/2010

## CONCEPT

### SCORING RESULTS AS PER POLICIES AND PROCEDURES 2440-2

<b>Project Number:</b>		<b>County:</b>		<b>PI No.:</b>	
<b>Report Date:</b>		<b>Concept By:</b>			
		DOT Office:			
<input type="checkbox"/> CONCEPT					
		Consultant:			
<b>Project Type:</b> Choose One From Each Column		<input type="checkbox"/> Major <input type="checkbox"/> Minor	<input type="checkbox"/> Urban <input type="checkbox"/> Rural	<input type="checkbox"/> ITS <input type="checkbox"/> Bridge <input type="checkbox"/> Building <input type="checkbox"/> Interchange <input type="checkbox"/> Intersection <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous	
<b>FOCUS AREAS</b>	<b>SCORE</b>	<b>RESULTS</b>			
Presentation					
Judgment					
Environmental					
Right-of-Way					
Utility					
Constructability					
Schedule					

# ATTACHMENTS

# Estimate Report for file "0009563\_2010-01-11(Greenway Segment 1 Part 2)"

Section Roadway					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	15000.0	TRAFFIC CONTROL	15000.0
210-0100	1	LS	20000.0	GRADING COMPLETE	20000.0
310-5060	60	SY	9.54	GR AGGR BASE CRS, 6 INCH, INCL MATL	572.4
402-3130	5	TN	59.87	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	299.34
402-3190	7	TN	58.0	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	406.0
441-0016	40	SY	36.25	DRIVEWAY CONCRETE, 6 IN TK	1450.0
441-0106	460	SY	23.07	CONC SIDEWALK, 6 IN	10612.2
441-5002	30	LF	10.83	CONCRETE HEADER CURB, 6 IN, TP 2	324.9
441-6720	100	LF	21.0	CONC CURB & GUTTER, 6 IN X 30 IN, TP 7	2100.0
500-3110	200	LF	301.82	CLASS A CONCRETE, TYPE P1, RETAINING WALL	60364.0
515-2015	200	LF	40.41	GALV STEEL PIPE HANDRAIL -	8081.99
550-2180	30	LF	21.68	SIDE DRAIN PIPE, 18 IN, H 1-10	650.4
550-4118	1	EA	441.16	FLARED END SECTION 18 IN, SIDE DRAIN	441.16
603-2180	45	SY	38.54	STN DUMPED RIP RAP, TP 3, 12 IN	1734.3
641-5000	1	EA	2083.24	GUARDRAIL ANCHORAGE, SPCL DES	2083.24
700-6910	1	AC	667.95	PERMANENT GRASSING	667.95
<b>Section Sub Total:</b>					<b>\$124,787.90</b>

Section Erosion Control					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
162-1300	5	EA	172.12	EROSION CONTROL CHECK DAM, TP -	860.6
165-0010	250	LF	0.43	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	107.5
165-0030	250	LF	0.63	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	157.5
165-0040	5	EA	0.0	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	0.0
171-0010	250	LF	1.31	TEMPORARY SILT FENCE, TYPE A	327.5
171-0030	250	LF	2.65	TEMPORARY SILT FENCE, TYPE C	662.5
<b>Section Sub Total:</b>					<b>\$2,115.60</b>

Section Signing					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
610-6515	3	EA	21.8	REM HIGHWAY SIGN, STD	65.4
611-5360	3	EA	61.5	RESET HIGHWAY SIGN	184.5
<b>Section Sub Total:</b>					<b>\$249.90</b>

**Total Estimated Cost: \$127,153.40**

<b>Subtotal Construction Cost</b>	<b>\$127,153.40</b>
E&C Rate 3.0 %	\$3,814.60
Inflation Rate 0.0 % @ 0 Years	\$0.00
<b>Total Construction Cost</b>	<b>\$130,968.00</b>
Right Of Way	0.00
ReImb. Utilities	0.00
<b>Grand Total Project Cost</b>	<b>\$130,968.00</b>

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

ENTER FPL DIESEL	2.772
ENTER FPM DIESEL	5.237

ENTER FPL UNLEADED	2.538
ENTER FPM UNLEADED	5.7105

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

<b>INCREASE ADJUSTMENT</b>
125.00%

<b>INCREASE ADJUSTMENT</b>
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)	124.000	0.29	35.96	0.24	29.76	
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)	12.000	2.90	34.80	0.71	8.52	
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				8.00		1.50		
Class __Concrete (CY) Section 500				8.00		1.50		
Class __Concrete (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		
Superstru Con Class__(CY) Section 500				8.00		1.50		
Concrete Handrail (LF) Section 500				8.00		1.50		
Concrete Barrier (LF) Section 500	200.00	301.82	60.3640	8.00	482.91	1.50	90.55	

BRIDGE ITEMS	Quantity	Unit Price	GF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Stru Steel Plan Quantity (LB) Section 501				8.00		1.50		
Stru Steel Plan Quantity (LB) Section 501				8.00		1.50		
PSC Beams____ (LF) Section 507				8.00		1.50		
PSC Beams____ (LF) Section 507				8.00		1.50		
PSC Beams____ (LF) Section 507				8.00		1.50		
Stru Reinf Plan Quantity(LB) Section 511				8.00		1.50		
Stru Reinf Plan Quantity(LB) Section 511				8.00		1.50		
Bar Reinf Steel (LB) Section 511				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		
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=	553.67	SUM QF UNLEADED=	128.83
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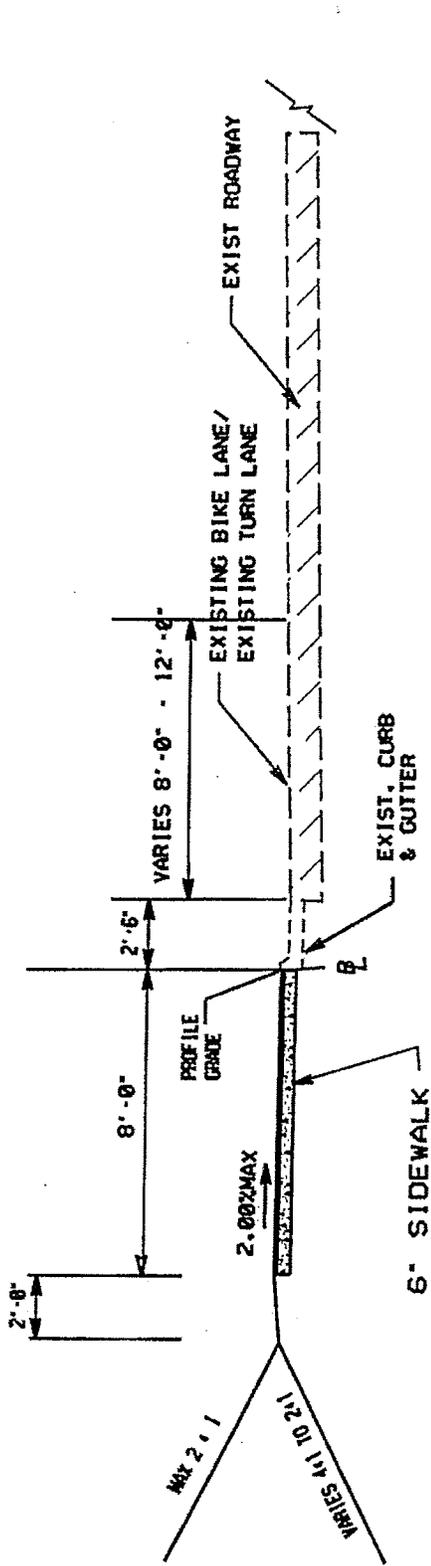
DIESEL PRICE ADJUSTMENT(\$)	\$1,765.00
UNLEADED PRICE ADJUSTMENT(\$)	\$376.00



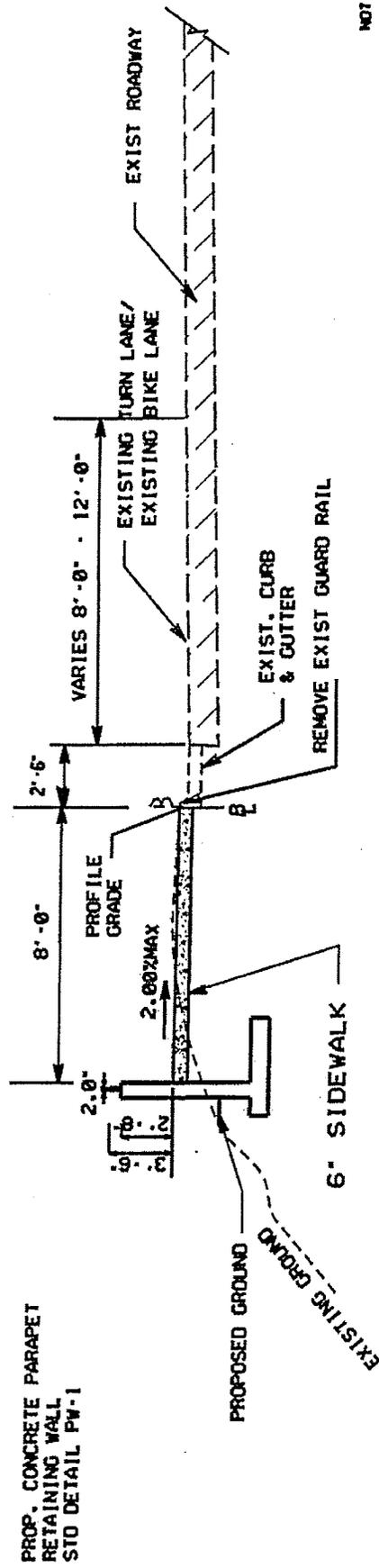


SHEET	PROJECT NUMBER	DATE
04	P. I. NO. 889953	4 21

# TS-1



# TS-2



PROP. CONCRETE PARAPET  
RETAINING WALL  
STD DETAIL PW-1

NOT TO SCALE

GEORGIA		
DEPARTMENT OF TRANSPORTATION		
TYPICAL SECTION		
P. I. NO. 889953		
CITY OF JOHNS CREEK		

DATE	REVISIONS	DATE	REVISIONS

CITY OF JOHNS CREEK  
FULTON COUNTY, GEORGIA

**TSP**  
ENGINEERS  
INCORPORATED  
11780 5th St  
Atlanta, GA 30328  
TEL: 404-525-1234

68-0

**NOTICE OF LOCATION AND DESIGN APPROVAL**

**Fulton County**

**P. I. NUMBER 0009563**

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location approval is March 10, 2010.

Project 0009563 located in the City of Johns Creek, Fulton County, GA is proposed to install multi-use trail on the west side of Medlock Bridge Road just north of Grove Point Road. The project includes adding an eight (8) foot trail and a retaining wall with attached handrail. The existing guardrail will be removed with the existing curb and gutter to remain.

The project is located entirely within Fulton County, in Land District 11, Land Lot 301 & 328. The project is also 100 percent within Congressional District 13.

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:

Sebastian Nesbitt  
District 7 Area 2 Engineer  
1269 Kennestone Circle  
Marietta, GA 30066  
(770) 528-3238  
snesbitt@dot.ga.gov

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:

Mike Lobdell, PE  
District 7 Preconstruction Office  
5025 New Peachtree Road  
Chamblee, GA 30341  
(770) 986-1257  
mlobdell@dot.ga.gov

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.