

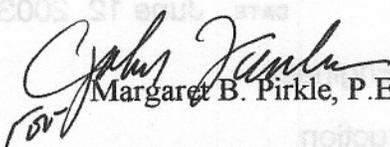
D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-0001-00(582) Baldwin County **OFFICE** Preconstruction
P. I. No. 0001582

DATE July 7, 2003

FROM  Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT NOTICE OF LOCATION AND DESIGN APPROVAL

Attached for your further handling is the approved Location and Design Report on the above subject project.

Also attached is the Notice of Location and Design Approval. This is authorization for the District to proceed with advertisement.

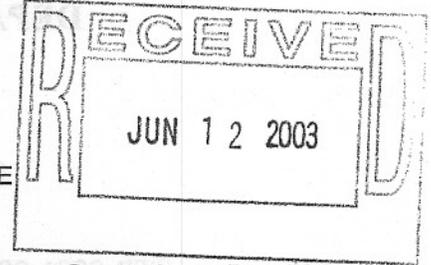
MBP/cj

Attachment

DISTRIBUTION:

- David Mulling
- Harvey Keeper
- Percy Middlebrooks
- Paul Liles
- Phillip Allen
- Jerry Hobbs
- Joe Palladi
- Brent Story
- Mike Thomas
- BOARD MEMBER

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE STP-0001-00(582), Baldwin County
SR 22 Median Turn Lanes
P.I. Number 0001582

OFFICE Consultant Design

DATE June 12, 2003

FROM *Brent A. Story mBA*
Brent A. Story, P. E., State Consultant Design Engineer

TO Meg Pirkle, P.E, Assistant Director of Preconstruction

SUBJECT **Request for Location and Design Approval**

Description and Project Proposal: The proposed project is located in Baldwin County beginning at Britt Water Road and extending to the crossover located at milepost 9.52. The proposed improvement will add left and right turn lanes at five intersections and two median crossovers. In addition, the signal system at two intersections will be upgraded to comply with the new turn lanes. The left turn lanes will improve safety along the corridor by constructing Type "B" median crossovers which will improve sight distance and reduce rear end and sideswipe collisions by separating the turning vehicles from the through traffic. In addition, right turn lanes will be added at paved intersections per MOG 6638-1 provided that no additional right of way and/or utility relocations are required by their construction. The approximate net project length is 2.36 miles

Concept Approval Date: September 12, 2000

Concept Update: At the Preliminary Field Plan Review for the project, the Inspection Party requested that the project be extended to the west so that the left turn bay into the Grumman plant (approximately MP 6.89) could be extended in order to improve traffic operations and safety at this location. The striping and tapers required to incorporate the lengthened turn bay would extend the project limits to Little Fishing Creek. The Office of Consultant Design subsequently received a letter from the District 2 Traffic Operations office formally making this request.

It is noted that approval of this Location and Design Report shall also be deemed as approval of the revised concept report and the Grumman plant intersection will be included into the project.

Environmental Assessment and Reassessment Approval Date: Categorical Exclusion approved on January 22, 2003.

Public Involvement: No Public Hearing or Public Information Meeting has been held.

Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

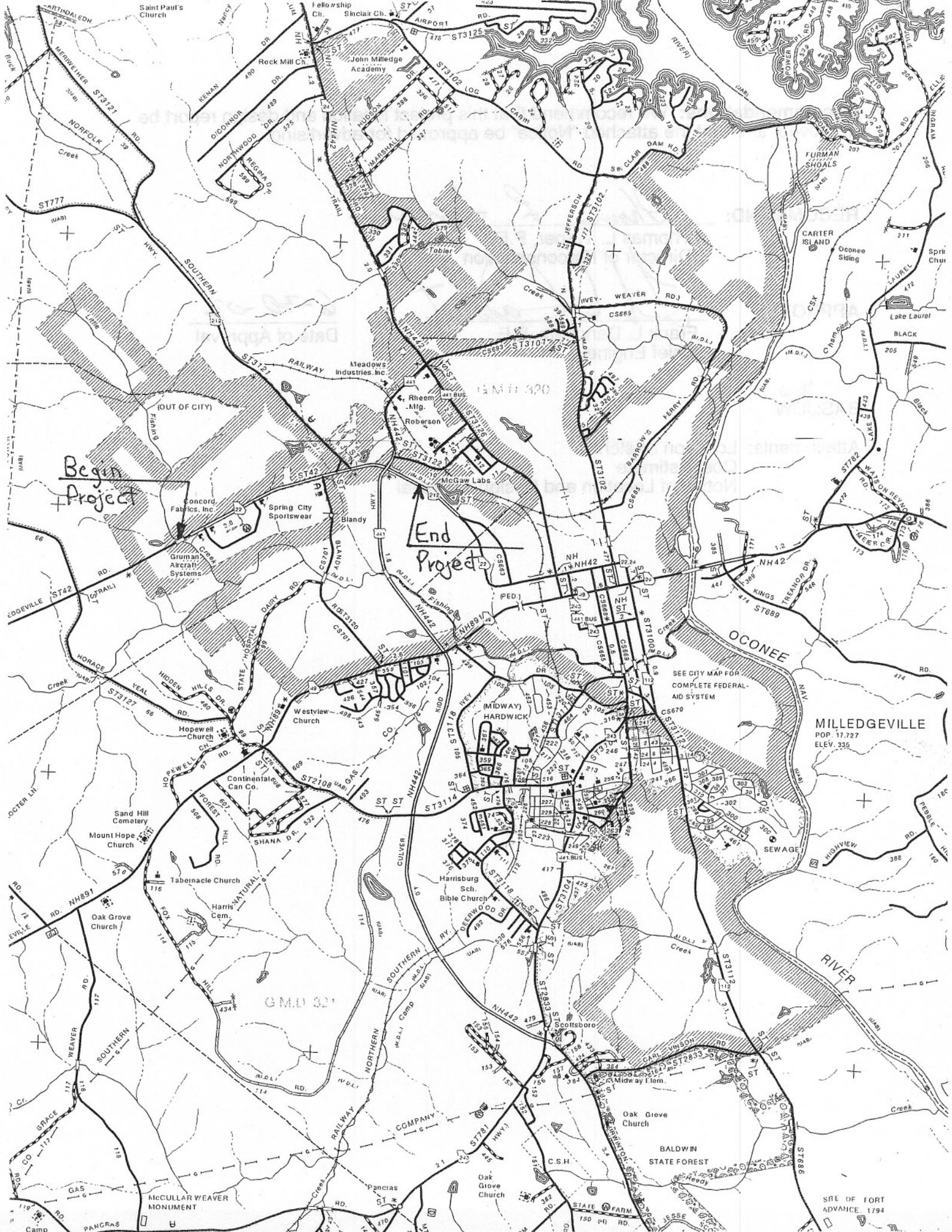
Recommendations: We recommend that this project location and design report be approved, and that the attached "Notice" be approved for advertising.

RECOMMEND: Thomas L. Turner
Thomas L. Turner, P.E.
Director of Preconstruction

APPROVE: Frank L. Danchetz 6-30-03
Frank L. Danchetz, P.E. Date of Approval
Chief Engineer

^{JDW}
BAS:JDW

Attachments: Location Sketch
Cost Estimate
Notice of Location and Design Approval



Saint Paul's Church

Fellowship Ch. Sincial Ch.

Rock Mill Ch.

John Milledge Academy

NORFOLK

Creek

ST777

PRELIMINARY COST ESTIMATE
OFFICE OF CONSULTANT DESIGN

DATE: 06/12/03

PREPARED BY: Volkert/JDW

PROJECT NO: STP-0001-00(582)

FILE NAME:

P.I. NO: 0001582

MILEAGE: 2.51 miles

PROJECT DESCRIPTION/CONCEPT: SR22 turn lanes from 0.37 miles inside the Milledgevil
 City Limits to the beginning of the 20' raised median within the City of Milledgeville
 EXISTING ROADWAY:

TRAFFIC: CURRENT ADT PROJECTED ADT

- () PROGRAMMING PROCESS
- () CONCEPT DEVELOPMENT
- (X) DURING PROJECT DEVELOPMENT

PROJECT COSTS

| | | | | |
|-----------------------------|-----------------|--------|-----------------|---------------|
| A. RIGHT OF WAY | lump sum | | | \$0.00 |
| | | | SUBTOTAL | \$0.00 |
| B. UTILITIES (Reimbursable) | lump sum | | | \$0.00 |
| | | | SUBTOTAL | \$0.00 |
| C. CLEARING AND GRUBBING | lump sum | | | \$0.00 |
| | | | SUBTOTAL | \$0.00 |
| D. EARTHWORK | | | | |
| <u>Embankment</u> | | | | |
| In-Place Embankment | 0 cubic yards @ | \$9.00 | | \$0.00 |
| Borrow Incl Haul | 0 cubic yards @ | \$5.00 | | \$0.00 |
| Grading Complete | lump sum | | | \$295,000.00 |

Excavation

| | | | |
|------|-----------------|---------|--------|
| Soil | 0 cubic yards @ | \$2.60 | \$0.00 |
| Rock | 0 cubic yards @ | \$10.00 | \$0.00 |

Miscellaneous

| | | | |
|--------------------|------------------|--------|--------|
| Wick Drains | 0 linear feet @ | \$1.00 | \$0.00 |
| Filter Fabric | 0 square yards @ | \$7.00 | \$0.00 |
| Channel Excavation | 0 cubic yards @ | \$6.75 | \$0.00 |
| Drill Holes | 0 linear feet @ | \$2.00 | \$0.00 |

SUBTOTAL \$295,000.00

E. BASE AND PAVING

Aggregate Base

| | | | |
|----------------------|-----------------------|---------|--------------|
| Graded Aggregate 6" | 0 square yards @ | \$7.50 | \$0.00 |
| Graded Aggregate 10" | 55,800 square yards @ | \$14.00 | \$781,200.00 |

Asphalt Paving

| | | | |
|------------------|-----------------------|---------|--------------|
| 12.5mm Superpave | 7,100 tons @ | \$35.00 | \$248,500.00 |
| 19mm Superpave | 2,300 tons @ | \$38.00 | \$87,400.00 |
| 25mm Superpave | 6,800 tons @ | \$34.00 | \$231,200.00 |
| Leveling | 25 tons @ | \$40.00 | \$1,000.00 |
| Tack Coat | 4,400 gallons @ | \$1.00 | \$4,400.00 |
| Milling | 50,900 square yards @ | \$3.00 | \$152,700.00 |

SUBTOTAL \$1,506,400.00

F. DRAINAGE

Cross Drain System

| | | | |
|----------------|-----------------|------------|--------|
| 15" Conc. Pipe | 0 linear feet @ | \$23.00 | \$0.00 |
| 18" Conc. Pipe | 0 linear feet @ | \$28.00 | \$0.00 |
| 24" Conc. Pipe | 0 linear feet @ | \$36.41 | \$0.00 |
| 30" Conc. Pipe | 0 linear feet @ | \$43.50 | \$0.00 |
| 36" Conc. Pipe | 0 linear feet @ | \$53.22 | \$0.00 |
| 42" Conc. Pipe | 0 linear feet @ | \$63.10 | \$0.00 |
| 48" Conc. Pipe | 0 linear feet @ | \$72.84 | \$0.00 |
| 15" F.E.S. | 0 each @ | \$289.01 | \$0.00 |
| 18" F.E.S. | 0 each @ | \$374.83 | \$0.00 |
| 24" F.E.S. | 0 each @ | \$390.96 | \$0.00 |
| 30" F.E.S. | 0 each @ | \$519.30 | \$0.00 |
| 36" F.E.S. | 0 each @ | \$628.51 | \$0.00 |
| 42" F.E.S. | 0 each @ | \$752.59 | \$0.00 |
| 48" F.E.S. | 0 each @ | \$1,300.00 | \$0.00 |

Longitudinal System

| | | | |
|----------------|--------------------|---------|-------------|
| 15" Conc. Pipe | 400 linear feet @ | \$24.00 | \$9,600.00 |
| 18" Conc. Pipe | 1200 linear feet @ | \$24.00 | \$28,800.00 |
| 24" Conc. Pipe | 0 linear feet @ | \$1.00 | \$0.00 |

Drainage Structures

| | | | |
|--------------|-----------|------------|-------------|
| Catch Basins | 0 each @ | \$1,520.00 | \$0.00 |
| Drop Inlets | 12 each @ | \$1,300.00 | \$15,600.00 |
| Manholes | 12 each @ | \$1,650.00 | \$19,800.00 |

Drainage Lump Sum

| | | | |
|---------------|-----------|-----------------|--------------------|
| Cost per Mile | 0 miles @ | \$350,000.00 | \$0.00 |
| | | SUBTOTAL | \$73,800.00 |

G. CONCRETE WORK

| | | | |
|--------------------------------|--------------------|-----------------|--------------------|
| Approach Slabs | 0 square yards @ | \$120.00 | \$0.00 |
| Median Barrier - sidewalk | 0 lump sum | | \$0.00 |
| Curb and Gutter (Type2) | 0 linear feet @ | \$10.00 | \$0.00 |
| Curb and Gutter (Type 7) | 200 linear feet @ | \$10.00 | \$2,000.00 |
| "V" Gutter | 2500 linear feet @ | \$10.00 | \$25,000.00 |
| Conc. Median Barrier, Method 2 | 3 linear feet @ | \$23.00 | \$69.00 |
| Median Paving | 0 square yards @ | \$35.00 | \$0.00 |
| | | SUBTOTAL | \$27,069.00 |

H. TRAFFIC CONTROL

| | | | |
|--|----------|-----------------|--------------------|
| | lump sum | | \$55,000.00 |
| | | SUBTOTAL | \$55,000.00 |

I. EROSION CONTROL

| | | | |
|--|----------|-----------------|-------------------|
| | lump sum | | \$8,500.00 |
| | | SUBTOTAL | \$8,500.00 |

J. GUARDRAIL

| | | | |
|--|----------|-----------------|---------------|
| | lump sum | | \$0.00 |
| | | SUBTOTAL | \$0.00 |

K. SIGNS, STRIPING, SIGNALS, LIGHTING

| | | | | |
|---------------------------|--|----------|-----------------|---------------------|
| Striping -signals - signs | | lump sum | | \$97,560.00 |
| Roadside Signs | | lump sum | | \$8,600.00 |
| Overhead Signs w/ Lights | | each @ | \$0.00 | \$0.00 |
| Traffic Signals | | each @ | \$40,000.00 | \$0.00 |
| Lighting | | lump sum | | \$0.00 |
| Signal Modification | | lump sum | | \$115,000.00 |
| | | | SUBTOTAL | \$221,160.00 |

L. GRASSING/LANDSCAPING

| | | | |
|--|----------|-----------------|-------------------|
| | lump sum | | \$4,500.00 |
| | | SUBTOTAL | \$4,500.00 |

M. MISCELLANEOUS

| | | | |
|--|----------|-----------------|---------------|
| | lump sum | | \$0.00 |
| | | SUBTOTAL | \$0.00 |

N. MAJOR STRUCTURES

| | | | | |
|---------------------|--|-----------------|-----------------|---------------|
| Bridge | | 0 square feet @ | \$50.00 | \$0.00 |
| <u>Box Culverts</u> | | | | |
| Concrete | | cubic yards @ | \$320.00 | \$0.00 |
| Bar Reinf. Steel | | pounds @ | \$0.50 | \$0.00 |
| | | | SUBTOTAL | \$0.00 |

ESTIMATE SUMMARY

| | |
|---------------------------|--------|
| A. Right of Way | \$0.00 |
| B. Reimbursable Utilities | \$0.00 |

CONSTRUCTION COST SUMMARY

| | |
|---------------------------------------|----------------|
| C. Clearing and Grubbing | \$0.00 |
| D. Earthwork | \$295,000.00 |
| E. Base and Paving | \$1,506,400.00 |
| F. Drainage | \$73,800.00 |
| G. Concrete Work | \$27,069.00 |
| H. Traffic Control | \$55,000.00 |
| I. Erosion Control | \$8,500.00 |
| J. Guardrail | |
| K. Signs, Striping, Signals, Lighting | \$221,160.00 |
| L. Grassing/Landscaping | \$4,500.00 |
| M. Miscellaneous | |

SUBTOTAL CONSTRUCTION \$2,191,429.00

| | |
|---------------------|--------|
| N. Major Structures | \$0.00 |
|---------------------|--------|

SUBTOTAL \$2,191,429.00

| | |
|-----------------------------|--------------|
| 5 Years of Inflation at 4 % | \$474,779.45 |
| 10 % E & C | \$266,620.85 |

TOTAL CONSTRUCTION ESTIMATE \$2,932,829.30

NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT STP-0001-00(582)
BALDWIN COUNTY
P. I. NUMBER 0001582

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 the above project.

The date of location approval is July 7, 2003.

Project number STP-0001-00(582) will consist of the construction of left and right turn lanes at six intersections and two median crossovers on State Route 22 beginning at Little Fishing Creek and extending eastward to the median crossover at milepost 9.52. The signal system at two intersections will be upgraded to comply with the new turn lanes. No additional right of way and no major utility relocations will be required for this project.

This project lies entirely within Land Lots 237, 250, 267, 280, and 281 in Baldwin County.

The project will construct left turn lanes at six intersections and two median crossovers on State Route 22. The left turn lanes will be offset from the through lanes and will allow for improved sight distance and reduce the number of rear end and sideswipe accidents. In addition, right turn lanes will be constructed at the intersections of paved roads provided that no additional right of way and/or utility relocations are required for their construction. The approximate net project length is 2.51 miles.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Jimmy Smith, Area Engineer
Jimmy.Smith@dot.state.ga.us
Georgia Department of Transportation
161 Blandy Road
Milledgeville, Georgia 31061
(478)445-5130

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:

Brent A. Story, P. E., State Consultant Design Engineer
Brent.Story@dot.state.ga.us
Georgia Department of Transportation
No. 2 Capitol Square, S.W.
Atlanta, Georgia 30334
(770)463-6133

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.