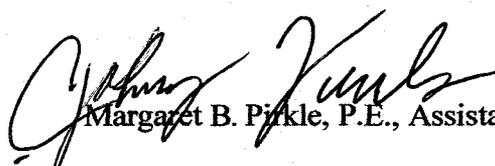


**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 0007221, Candler County **OFFICE** Preconstruction  
CSSTP-0007-00(221)  
Drainage Improvements along Vertia Street **DATE** August 8, 2006

**FROM**  Margaret B. Pickle, P.E., Assistant Director of Preconstruction

**TO**  SEE DISTRIBUTION

**SUBJECT APPROVED PROJECT CONCEPT REPORT**

Attached for your files is the approval for subject project.

Attachment

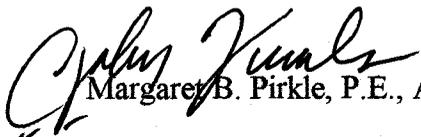
**DISTRIBUTION:**

Brian Summers  
Harvey Keepler  
Ken Thompson  
Michael Henry  
Keith Golden  
Joe Palladi  
Paul Liles  
Glenn Durrence  
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE:** P. I. No. 0007221, Candler County **OFFICE** Preconstruction  
 CSSTP-0007-00(221)  
 Drainage Improvements Along Vertia Street **DATE** August 2, 2006

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

**TO**  David E. Studstill, Jr., P.E., Chief Engineer

**SUBJECT** PROJECT CONCEPT REPORT

This project consists of the improvements of the drainage system between SR 23/121 and SR 129 along Vertia Street in the city of Metter, Georgia. Drainage within this corridor is considered inadequate as a limited number of inlets exist, restricting the amount of runoff intercepted by the drainage system. Many existing inlets have small apertures, resulting in large amounts of bypass flow, which collects at the low point of Vertia Street. The existing roadway consists of two, 12' lanes with curb and gutter. Traffic volumes are projected to be 9,200 VPD and 14,800 VPD in the years 2009 and 2029 respectively.

This project includes the hydrologic and hydraulic analysis of the existing drainage system within the project limits and the reconstruction of the existing system. Structures include a double 5' x 4' box culvert, large junction boxes at both ends of the culvert to tie in minor structures, and 15 catch basins of various sizes, and one drop inlet. Traffic will be diverted by off-site detour while the project is staged by closing one block at a time for construction.

Environmental concerns include requiring a COE 404 Permit; a Categorical Exclusion will be prepared; a detour meeting open house will be held; time saving procedures are appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C and inflation)	\$933,000	\$370,000	L250	2009
Right-of-Way	\$ 68,000	\$131,000	L250	2008
Utilities*	\$ 50,000	-----		

David Studstill

Page 2

P. I. No. 0007221, Candler

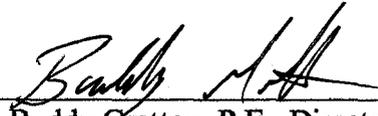
August 2, 2006

I recommend this project concept be approved.

MBP:JDQ/cj

Attachment

CONCUR



Buddy Gratton, P.E., Director of Preconstruction

APPROVE



David E. Studstill, Jr., P.E., Chief Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENTAL CORRESPONDENCE**

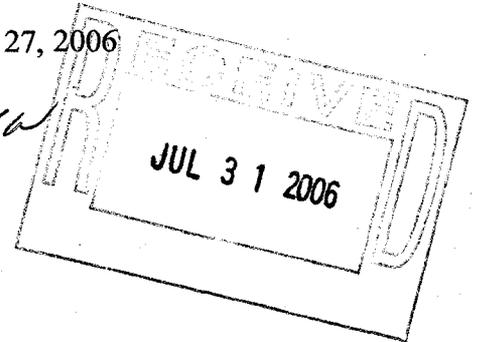
**FILE:** CSSTP-0007-00(221) Candler      **OFFICE:** Engineering Services  
P.I. No. 0007221  
S.R. 23 & S.R. 129 Drainage Improvements

**DATE:** July 27, 2006

**FROM:** Brian K. Summers, P.E., Project Review Engineer

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

**SUBJECT: CONCEPT REPORT**



We have reviewed the Concept Report received July 20, 2006 from Glenn Durrence, and have no comments.

The costs for this project are:

Construction	\$769,500
Inflation	\$78,874
E & C	\$84,837
Reimbursable Utilities	\$50,000
Right of Way	\$68,000

REW

c: Glen Durrence, Attn.: Dennis Odom

## SCORING RESULTS AS PER MOG 2440-2

<b>Project Number:</b> CSSTP-0007-00(221)		<b>County:</b> Candler		<b>PI No.:</b> 0007221		
<b>Report Date:</b> July 20, 2006		<b>Concept By:</b> DOT Office: District 5				
<input checked="" type="checkbox"/> Concept Stage		Consultant: N/A				
<b>Project Type:</b> Choose One From Each Column		<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural	<input type="checkbox"/> ATMS <input type="checkbox"/> Bridge Replacement <input type="checkbox"/> Building <input type="checkbox"/> Interchange Reconstruction <input type="checkbox"/> Intersection Improvement <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input checked="" type="checkbox"/> Miscellaneous		
FOCUS AREAS	SCORE	RESULTS				
Presentation	100					
Judgement	100					
Environmental	100					
Right of Way	100					
Utility	100					
Constructability	100					
Schedule	100					

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**  
*District 5- Jesup*

**PROJECT CONCEPT REPORT**

CSSTP-0007-00(221):

Candler County:

P. I. Number: 0007221

SR 23/ 121 @ CS 559(VERTIA STREET) & SR 129 @ VERTIA STREET in Metter.

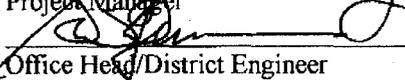
Federal Route Number: N/A

State Route Number: SR 23/ SR 121/ SR 129

Recommendation for approval:

DATE 7-19-06

DATE 7-20-06

  
\_\_\_\_\_  
Project Manager  
  
\_\_\_\_\_  
Office Head/District Engineer

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

DATE 7/20/06

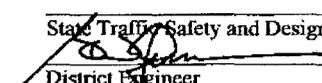
DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE 7-20-06

DATE \_\_\_\_\_

  
\_\_\_\_\_  
State Transportation Planning Administrator  
\_\_\_\_\_  
Office of Financial Management Administrator  
\_\_\_\_\_  
State Environmental/Location Engineer  
\_\_\_\_\_  
State Traffic Safety and Design Engineer  
  
\_\_\_\_\_  
District Engineer  
\_\_\_\_\_  
Project Review Engineer

7/20/06

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**  
*District 5- Jesup*

**PROJECT CONCEPT REPORT**

CSSTP-0007-00(221):  
Candler County:  
P. I. Number: 0007221  
SR 23/ 121 @ CS 559(VERTIA STREET) & SR 129 @ VERTIA STREET in Metter.  
Federal Route Number: N/A  
State Route Number: SR 23/ SR 121/ SR 129

Recommendation for approval:

DATE 7-19-06  
DATE 7-20-06

\_\_\_\_\_  
Project Manager  
  
\_\_\_\_\_  
Office Head/District Engineer

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

DATE \_\_\_\_\_  
DATE \_\_\_\_\_  
DATE \_\_\_\_\_  
DATE \_\_\_\_\_  
DATE 7-20-06  
DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator  
  
\_\_\_\_\_  
Office of Financial Management Administrator  
\_\_\_\_\_  
State Environmental/Location Engineer  
\_\_\_\_\_  
State Traffic Safety and Design Engineer  
  
\_\_\_\_\_  
District Engineer  
\_\_\_\_\_  
Project Review Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**  
*District 5- Jesup*

**PROJECT CONCEPT REPORT**

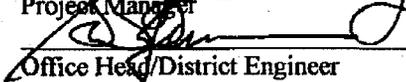
CSSTP-0007-00(221):  
Candler County:  
P. I. Number: 0007221  
SR 23/ 121 @ CS 559(VERTIA STREET) & SR 129 @ VERTIA STREET in Metter.

Federal Route Number: N/A  
State Route Number: SR 23/ SR 121/ SR 129

Recommendation for approval:

DATE 7-19-06

DATE 7-20-06

  
\_\_\_\_\_  
Project Manager  
  
\_\_\_\_\_  
Office Head/District Engineer

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
Office of Financial Management Administrator

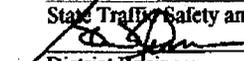
DATE \_\_\_\_\_

\_\_\_\_\_  
State Environmental/Location Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety and Design Engineer

DATE 7-20-06

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

DATE 7/27/06

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

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE:** P.I. No. 0007221

**OFFICE:** Environment/Location



**DATE:** August 8, 2006

**FROM:** Harvey D. Keepler, State Environmental/Location Engineer

**TO:** Margaret B. Pirkle, Assistant Director of Preconstruction

**SUBJECT: PROJECT CONCEPT REPORT  
CSSTP-0007-00(221) / Candler County**

The above subject concept report has been reviewed. There seems to be a contradiction on page 5 – Anticipated environmental concerns – “no history” and “potential historic site” – which is correct?

If you have any questions, please contact me at (404) 699-4401.

HDK/lc

Attachment

cc: Brian Summers  
Jamie Simpson  
Glenn Durrence  
Joseph Palladi

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**  
*District 5- Jesup*

**PROJECT CONCEPT REPORT**

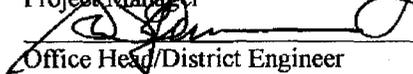
CSSTP-0007-00(221):  
Candler County:  
P. I. Number: 0007221  
SR 23/ 121 @ CS 559(VERTIA STREET) & SR 129 @ VERTIA STREET in Metter.

Federal Route Number: N/A  
State Route Number: SR 23/ SR 121/ SR 129

Recommendation for approval:

DATE 7-19-06

DATE 7-20-06

  
\_\_\_\_\_  
Project Manager  
  
\_\_\_\_\_  
Office Head/District Engineer

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
Office of Financial Management Administrator

DATE 8.1.06

  
\_\_\_\_\_  
State Environmental/Location Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety and Design Engineer

DATE 7-20-06

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

DATE \_\_\_\_\_

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

# NOTICE OF LOCATION AND DESIGN APPROVAL

***Project No. CSSTP-0007-00(221) Candler  
P. I. NUMBER 0007221***

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.

Date of Location Approval: AUGUST 8, 2006

The project consist of improvements of SR 23/ 121 @ CS 559(VERTIA STREET) & SR 129 @ VERTIA STREET in Metter., located in Candler County, Ga. The project is to redesign to improve the existing drainage system by adding a culvert.

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:

Claude Jackson  
GDOT  
Claude.Jackson@dot.state.ga.us  
17213 Hwy 301 North  
Statesboro GA 30458  
Phone: 912-871-1103

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:

Tony Collins  
GDOT  
Tony.Collins@dot.state.ga.us  
P.O. Box 610  
Jesup GA 31598  
Phone: 912-427-5715

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.

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**  
*District 5- Jesup*

**PROJECT CONCEPT REPORT**

CSSTP-0007-00(221):  
Candler County:  
P. I. Number: 0007221  
SR 23/ 121 @ CS 559(VERTIA STREET) & SR 129 @ VERTIA STREET in Metter.

Federal Route Number: N/A  
State Route Number: SR 23/ SR 121/ SR 129

Recommendation for approval:

DATE 7-19-06

DATE 7-20-06

  
\_\_\_\_\_  
Project Manager  
  
\_\_\_\_\_  
Office Head/District Engineer

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
Office of Financial Management Administrator

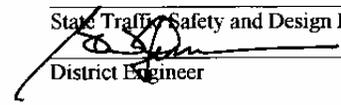
DATE \_\_\_\_\_

\_\_\_\_\_  
State Environmental/Location Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety and Design Engineer

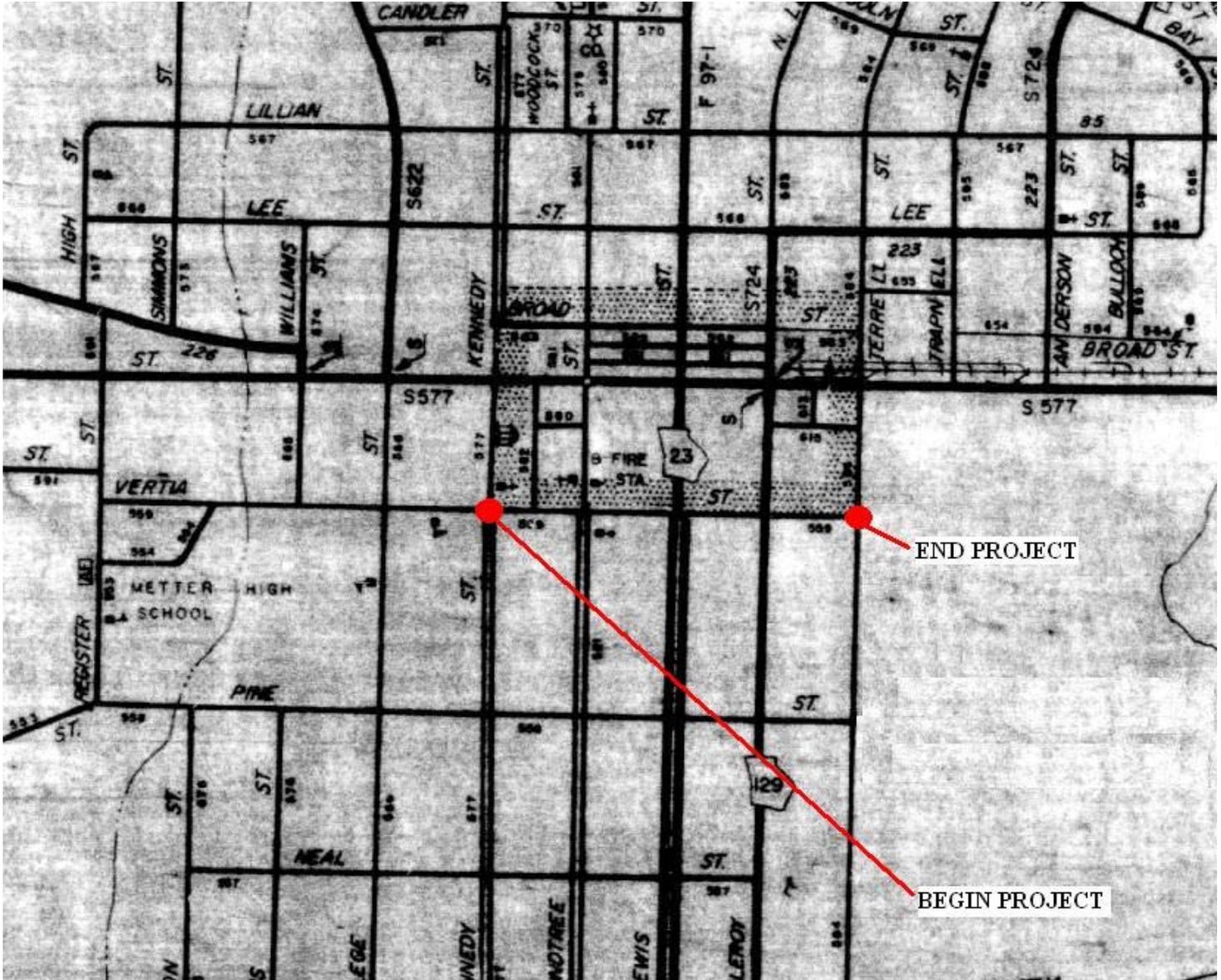
DATE 7-20-06

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

DATE \_\_\_\_\_

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

Concept Report page 2  
Project Number: CSSTP-0007-00(221)  
P. I. Number: 0007221  
County: Candler



**Project Site Map**  
**CSSTP-0007-00(221) Candler County**  
**PI No. 0007221**  
**S.R. 23/121 @ Vertia Street/ C.S. 599 &**  
**S.R. 129 @ Vertia Street/ C.S. 599**  
**In Metter, Georgia**

Project Concept Report page 3  
Project Number: CSSTP-0007-00(221)  
P. I. Number: 0007221  
County: Candler

**Need and Purpose:** *This is a special consideration project located on SR 23/ 121 @ CS 559(Vertia Street) & SR 129 @ Vertia Street in Metter. in which the existing drainage system is not sufficient to handle the drainage for this area.*

**Description of the proposed project:** *The approximate length of the project is 0.80 miles; it is located on SR 23/ 121 @ CS 559(Vertia Street) & SR 129 @ Vertia Street in Metter. The logic for establishing this terminus is due to reconstructing and rehabilitating the existing drainage system to handle the drainage flow for this area and will be constructed on the same alignment. The road will be closed during construction.*

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

**PDP Classification:** Major \_\_\_\_\_ Minor X \_\_\_\_\_

**Federal Oversight:** Full Oversight ( ), Exempt(X), State Funded( ), or Other ( )

**Functional Classification:** CS 559/Vertia Street--Rural Local Road  
SR/23/121/129—Rural Minor Arterial

**U. S. Route Number(s):** N/A **State Route Number(s):** SR 23/SR 121/SR 129

**Traffic (AADT):**  
Current Year: (2005) 9200 Design Year: (2029) 14,800

**Existing design features:**

- Typical Section: *Two paved 12' lanes with curb and gutter*
- Posted speed 35 mph Maximum degree of curvature: N/A
- Maximum grade: 2 %
- Width of right of way:  
CS 559/Vertia Street—50 feet  
SR/23/121—80 feet  
SR 129 -70 feet
- Major structures: SGL 2.5 x 4 box culvert at South Lewis Street (SR 121) and Vertia Street(CS 559)
- Major interchanges or intersections along the project:  
SR 23/21 and CS 559 (Vertia St.)  
SR 129 and CS 559 (Vertia St.)

- Mile Logs:

- Vertia Street @ Register Avenue –0.09 miles
- Vertia Street @ Williams Street –0.24 miles
- Vertia Street @ College Street –0.33 miles
- Vertia Street @ Kennedy Street –0.37 miles
- Vertia Street @ Roundtree Street –0.49 miles
- Vertia Street @ SR 23/121/Lewis Street –0.57 miles
- Vertia Street @ SR 129/ Leroy Street –0.65 miles
- Vertia Street @ Terrell Street –0.71 miles

**Proposed Design Features:**

- Proposed typical section(s): Two paved 12’ lanes, with 10’ shoulders left and right that will include 5’ sidewalk with a 2’ grassed area between sidewalk and roadway, including curb and gutter.
- Proposed Design Speed Mainline 35 mph
- Proposed Maximum grade Mainline 2 %                      Maximum grade allowable 2 %.
- Proposed Maximum degree of curve N/A                      Maximum degree allowable N/A
- Right of way:
  - Width -- 70 ft.
  - Easements: Temporary (X), Permanent (X), Utility ( ), Other ( ).
  - Type of access control: Full ( ), Partial ( ), By Permit (x), Other ( ).
  - Number of parcels: 9                      Number of displacements: 0
    - Business: 0
    - Residences: 0
    - Mobile homes: 0
    - Other: 0
- Structures:
  - Culvert: The proposed will be 820 ft of DBL 5 X 4 Box Culvert.
  - Large Junction Boxes at beginning and end of culvert to tie in minor structures
  - 15 catch basins, various sizes and one Drop Inlet.
- Major intersections and interchanges.  
**SR 23/21 and CS 559 (Vertia St.)**  
**SR 129 and CS 559 (Vertia St.)**
- Traffic control during construction:  
Traffic will be diverted by offsite detour while the project is staged by closing one block at a time for the construction of proposed design.

- 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; None
- Anticipated Environmental concerns: Possible Section 404, *no hazardous waste sites, history, archaeological sites were noted at the project site. A potential historic site.*
- Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes ( ), No (X),
  - Categorical exclusion (X),
- Utility involvements:
  - Telephone
  - Water
  - Gas
  - Sewer

**Project responsibilities:**

- Design- District 5 Design Section
- Right of Way Acquisition- GDOT
- Relocation of Utilities-
- Letting to contract- GDOT
- Supervision of construction- GDOT
- Providing material pits- Contractor
- Providing detours- Contractor

**Coordination**

- An initial concept meeting was held on February 15, 2006.
- Minutes are attached.
- No P. A. R. meetings were held.
- There will be Public involvement. A detour meeting is needed to coordinate with the city of Metter with the design of the project.
- Local government comments.

- No other projects in the area.
- No other coordination to date.

### **Scheduling – Responsible Parties’ Estimate**

- Time to complete the environmental process: 9 Months
- Time to complete preliminary construction plans: 12 Months
- Time to complete right of way plans: 6 Months
- Time to complete the Section 404 Permit: 9 Months
- Time to complete final construction plans: 6 Months
- Time to complete to purchase right of way: 12 Months
- List other major items that will affect the project schedule: None

### **Other alternates considered:**

Alternate (1): 2 drainage systems; one on the north and one on the south of Vertia Street

Alternate (2): 2 large pipes parallel, running underneath Vertia Street from SR 121/Lewis Street to Outfall ditch with large junction box at beginning and end to tie in existing piping.

Alternate (3): No Build

### **Comments:**

Alternate (1) was eliminated because of the cost and amount of piping involved. Also, the existing utilities and new property enhancements that are around the project would have to relocate or be removed.

Alternate (2) was eliminated because of the structural stability and future maintenance of pipes and joints from wear and tear over time. Maintenance would not be practical because Vertia Street would have to be cut into and removed to repair.

Alternate (3) was eliminated due to the flood damage that has been done and would continue to deteriorate the road and increase water damage from storm water.

### **Attachments:**

1. Approved Board Revision Request with Funding information:
  - a. P.E.,
  - b. Right of Way, and
  - c. Construction
2. Typical section
3. Location Sketch
4. Minutes from Initial Concept Meeting
5. Preliminary Cost Estimate

MINUTES OF THE INITIAL CONCEPT MEETING

Project No. CSSTP-0007-00(221) Candler County

P.I. NUMBER: 0007221

DATE: July 18, 2006

The meeting began at 10:00 A.M. at the Metter City Hall. The sign in sheet below was passed around for those in attendance to sign. Kim Drawdy opened the meeting. Kim advised of a change from the initial concept to have a box culvert instead of the double 60" pipes which was in the initial plan. Cliff Hendrix agreed with the suggestion of a culvert. Jerome Sheffield questioned whether we had enough information to design the project. Jerome stated that you can't get a 42" pipe into a 54" culvert. Kim had mentioned that the generic design of a double 5 X 4 box culvert was used to find out if a culvert was feasible but the size of the culvert was not final.

Jerome pointed out that we would need more survey information to help us decide what is needed. Brad Saxon asked if the template culvert used was big enough and deep enough to handle the flow. Kim pointed out that she used maximum design flow and diverted the flow from private property but doesn't know if this would lessen or increase the system. Kim stated that we would have to have an approved concept before location will task out the initial survey request for this project. Jerome and Brad agreed that the concept report was acceptable to be sent off for approval so that the survey can be done. Jerome stated that there was extensive work to be done and the survey data, especially the outfall, must be done to establish a valid design for this project. The city of Metter owns the outfall and Cliff Hendrix says that there is a 50' easement which goes out 600'. This was confirmed by Mayor Trapnell.

Brad Saxon suggested to Kim to get the current concept approved, get surveys, and then revise the concept if needed. Jerome was concerned that the 100' of R/W will not be enough at Vertia St. to do the work. Jerome also showed concern for the inconvenience to the businesses. Mayor Trapnell state the BB&T would not be a problem because they have two accesses to the business. He stated that Sea Island, though, may be a shut down because they have only one access to the business.

Steve Hutchkiss, City of Statesboro, told of a similar experience that was done in Statesboro. He stated that the water got to the proper place faster but caused a bigger problem because of the volume of water had no structure able to handle it. Jerome stated that the culvert needed to be big enough to tie and stub into. Kim asked for questions or comments on the concept report to see if it was acceptable to everyone else. Steve Hutchkiss stated that he didn't think there were any conflicts with his utility concerns. Steve feels that they will probably get out of the way of the proposed culvert. Mayor Trapnell stated that there are three or four sewer crossings on the project. Kim stated that the information she received on the sewer locations did not have the adequate elevations to evaluate the design concerns for this project. Steve Hutchkiss also pointed out that there is a telephone "bird's nest" at Leroy street intersection that needs to be avoided because of the extensive cost. Kim asked for final comments and thanked everyone for coming.

Those in attendance:

NAME	AGENCY/COMPANY	CONTACT #
Kim Drawdy	DOT	912-427-5718
SHEREE SMART	Dot	912-427-5756
Jerome Sheffield	GA DOT	(912) 427-5760
BRAD SAXON	GA DOT	912-427-5733
Steve Price	GA DOT	912-871-1103
Aghdas Ghazi	GA DOT	912-871-1103
Cliff Hendrix	City of Metter	912-685-2527
Wm Murphy	GA DOT	912-427-5733
Billy Trapnell	City of Metter	912-685-2527
Joseph M. Maloy	City of Metter	912-685-2527
James L. Brown	GA DOT	912-427-5740
Steve Hutchkiss	City of Statesboro	912-764-0693
George Sherk	GA DOT UTILITIES	912-427-5859
Jeffery Chung	GA DOT TRAFFIC OPS	912-427-5765

## PRELIMINARY COST ESTIMATE

DATE: 6/1/2006

PROJECT NUMBER: CSSTP-0007-00(221), Candler County

P. I. Number: 0007221

PROJECT DESCRIPTION: SR 23/ 121 @ CS 559(VERTIA STREET) & SR 129 @ VERTIA STREET in Metter

PROPOSED CONCEPT: Construct culvert under Vertia Street and piping system to drain into it.

TRAFFIC: EXISTING 9200 DESIGN 14800

Program Process ( ) Concept Development (X) Project Development ( )

### PROJECT COSTS

#### A. RIGHT OF WAY:

1. PROPERTY ( LAND & EASEMENTS)	\$68,000
2. DISPLACEMENTS & RELOCATIONS -	\$0.00
3. OTHER COSTS (ADM./COURT/INFLATION) -	\$0
SUBTOTAL =====	\$68,000

#### B. REIMBURSABLE UTILITIES:

1. TELEPHONE LINES -	\$0
2. TRANSMISSION LINES -	\$0
3. SERVICES -	\$50,000
SUBTOTAL =====	\$50,000

#### C. MAJOR STRUCTURES:

1. WALLS -	\$0
2. BRIDGE- stream crossing -	\$0
3. BRIDGE - over/underpass	\$0
4. BOX CULVERTS -@ \$670 CY	\$280,000
SUBTOTAL =====	\$280,000

**D. GRADING AND DRAINAGE:**

**1. EARTHWORK**

Grading Complete \$28,000  
unclas excavation - \$0

**2. DRAINAGE**

a. CROSS DRAIN PIPES (exc. Box culverts) - \$46,000  
b. CURB & GUTTER - lf X \$12/lf \$78,000  
c. LONGITUDINAL SYSTEM ( incl. Catch Basins) - \$27,500

**SUBTOTAL =====** \$179,500

**E. BASE AND PAVING:**

1. AGGREGATE BASE -5800 SY / 6" GAB \$58,000  
2. ASPHALT PAVING - SUPERPAVE \$39,000  
3. CONCRETE PAVING - \$0  
4. OTHER (driveways, mill existing paving, etc.) - \$25,000

**SUBTOTAL =====** \$122,000

**F. LUMP SUM ITEMS:**

1. EROSION CONTROL - \$30,000  
2. CLEARING & GRUBBING - \$10,000  
3. TRAFFIC CONTROL - \$20,000  
4. LANDSCAPING - \$0  
5. DETOURS ( incl Temp. bridges) - \$0

**SUBTOTAL =====** \$60,000

**G. MISCELLANEOUS:**

1. LIGHTING - \$0  
2. SIGNING & STRIPING - \$ 10,000/mi X 1.0 mi - \$10,000  
3. GUARDRAIL - \$0

**SUBTOTAL =====** \$10,000

ESTIMATE SUMMARY

A. RIGHTS-OF-WAY -----	\$68,000
B. REIMBURSABLE UTILITIES -----	\$50,000

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES -----	\$280,000
D. GRADING AND DRAINAGE -----	\$179,500
E. BASE AND PAVING -----	\$122,000
F. LUMP SUM ITEMS -----	\$60,000
G. MISCELLANEOUS -----	\$10,000
SUBTOTAL CONSTRUCTION COST -----	\$769,500
E & C (10%) -----	\$76,950
INFLATION ( 1 YRS @ 5% /YR) -----	\$38,475
TOTAL CONSTRUCTION COST =====	\$884,925
GRAND TOTAL PROJECT COST =====	\$1,002,925