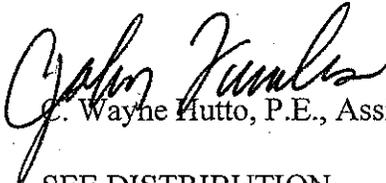


DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-0002-00(227) Dodge County **OFFICE** Preconstruction
P.I. No. 0002227

DATE March 7, 2002

FROM  Wayne Hutto, P.E., Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL

Attached for your file is the approval for subject project.

CWH/cj/klp

Attachment

DISTRIBUTION:

David Mulling
Harvey Keeper
Jerry Hobbs
Herman Griffin
Michael Henry
Phillip Allen
Marta Rosen
Paul Liles
Mike Thomas
BORAD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-0002-00(227) Dodge County **OFFICE** Preconstruction
P.I. No. 0002227

DATE March 1, 2002

FROM  C. Wayne Hutto, P.E., Assistant Director of Preconstruction

TO Frank L. Danchetz, P.E., Chief Engineer

SUBJECT PROJECT CONCEPT REPORT

This project is the replacement of a structurally deficient bridge on CR 239/Jaybird Springs Road over Gum Swamp Creek, 4 miles Northeast of Chauncey, Georgia. The existing bridge, constructed in 1953, is load limited with a sufficiency rating of 19. County Road 239 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. This section of CR 239 is functionally classified as a rural local road. Traffic is projected to the 300 VPD and 500 VPD in the years 2007 and 2027 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to construct a new 495' X 30' concrete bridge over Gum Swamp Creek at the existing bridge site. The approaches will consist of two, 12' lanes with 6' shoulders. County road 239 will be closed to traffic during construction. Dodge County will be responsible for the signing and maintenance of detour routes.

Environmental concerns include requiring a COE 404 Permit; a Categorical Exclusion will be prepared; a public hearing is not required; time saving procedures are appropriate.

The estimated cost for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C	\$ 1,484,000	\$ 1,448,000	2003	04-11
Right-of-Way & Utilites *	LOCAL	LOCAL		

*Dodge County signed LGPA on 4-18-01 for Right-of-Way, Utilities, and Detours.

Frank L. Danchetz

Page 2

BRST-0002-00(227) Dodge County

March 1, 2002

This project is in the STIP. I recommend this project concept be approved.

CWH:JDQ/cj/klp

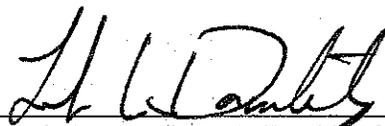
Attachment

CONCUR



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

APPROVE

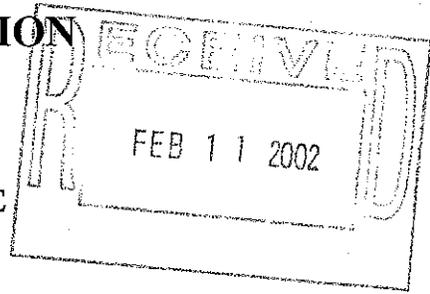


Frank L. Danchetz, P.E., Chief Engineer

SCORING RESULTS AS PER MOG 2440-2

Project Number: BR-0002-00(227)		County: DODGE		PI No.: 0002227	
Report Date: 2/8/02		Concept By: DOT Office: DISTRICT 2			
<input checked="" type="checkbox"/> CONCEPT		Consultant: n/a			
Project Type: 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 checked="" 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	
FOCUS AREAS	SCORE	RESULTS			
Presentation	90%	Estimated right of way cost not provided.			
Judgement	100%				
Environmental	100%				
Right of Way	100%				
Utility	100%				
Constructability	100%				
Schedule	100%				

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**



INTERDEPARTMENT CORRESPONDENCE

FILE BR-0002-00(227) Dodge County
P.I. No. 0002227

OFFICE Tennille

DATE February 8, 2002

FROM *GMB* George M. Brewer, District Design Engineer

TO Wayne Hutto, P.E., Assistant Director of Preconstruction

SUBJECT **CONCEPT REPORT**

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

If any further assistance is needed, please contact George M. Brewer at (478) 552-4642.

GMB

cc: David Mulling
Harvey Keeper
Marion Waters
Marta Rosen
Herman Griffin
Paul Liles

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT**

District Two Design Office

Project Number: *BR-0002-00(227)*

County: *Dodge*

P. I. Number: *0002227*

Federal Route Number: *None*

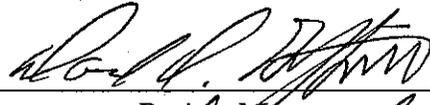
State Route Number: *None*

County Road Number: *239*

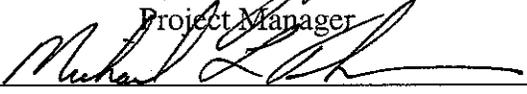
Recommendation for approval:

DATE 2/9/02

DATE 2-8-02



Project Manager



Office Head/District Engineer

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

DATE _____
State Transportation Planning Administrator

DATE _____
State Transportation Programming Engineer

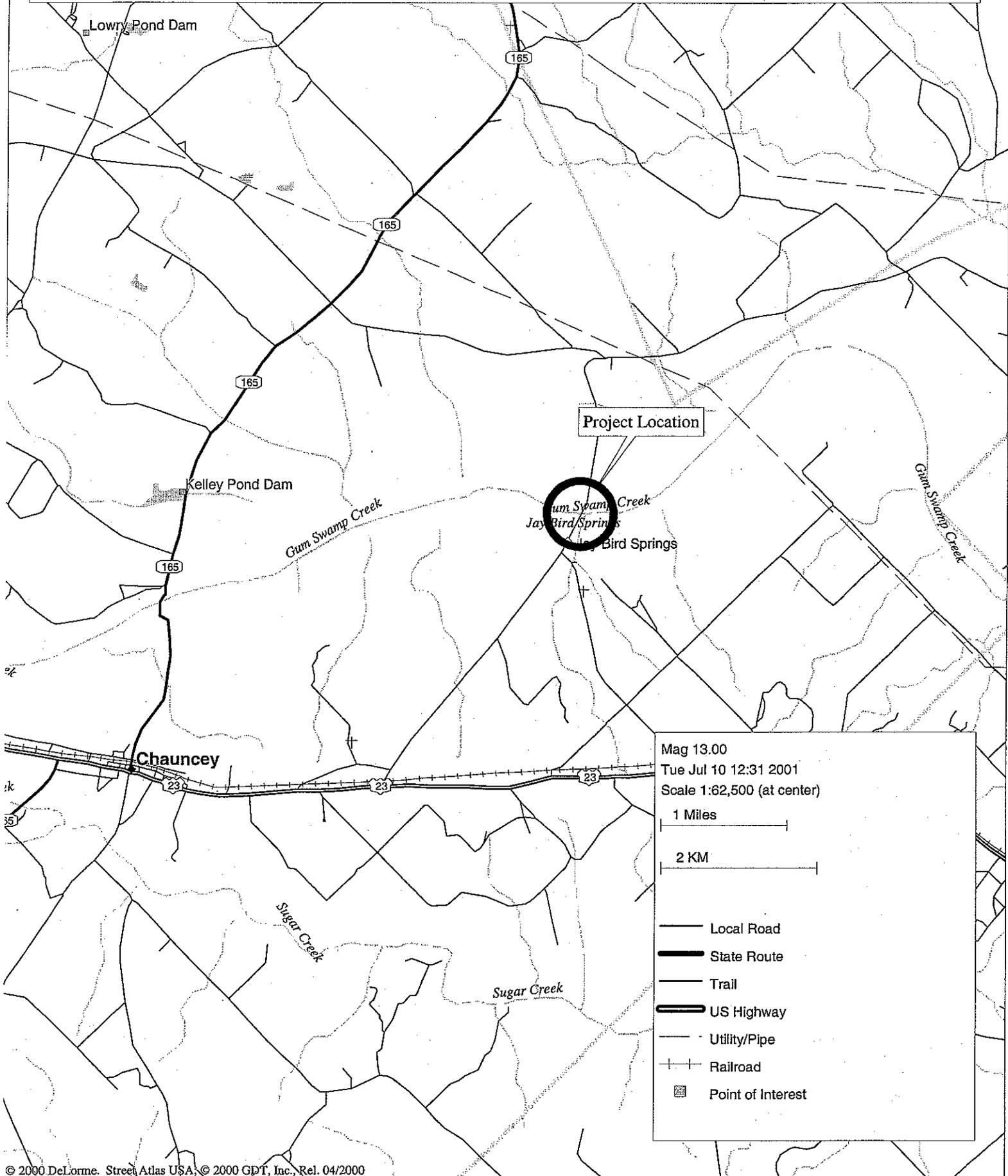
DATE _____
State Environmental/Location Engineer

DATE _____
State Traffic Operations Engineer

DATE _____
Project Review Engineer

DATE _____
State Bridge and Structural Design Engineer

BR-0002-00(227) Dodge



Project Concept Report page 3
Project Number: BR-0002-00(227)
P. I. Number: 0002227
County: Dodge

Need and Purpose: *See attached sheets.*

Description of the proposed project: *This project consists of the replacement of the structurally deficient bridge on County Road 239(Jaybird Springs Road) over Gum Swamp Creek northeast of Chauncey. The total project length is 0.4 miles.*

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

PDP Classification: Major Minor

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

Functional Classification: *Local Road*

U. S. Route Number(s): *None*

State Route Number(s): *None*
County Road Number: *239*

Traffic (AADT):

Current Year: *300 (2007)*

Design Year: *500 (2027)*

Existing design features:

- Typical Section: *2-12' lanes in each direction with 5' rural shoulders*
- Posted speed: *55 mph* Maximum degree of curvature: *3°*
- Maximum grade: *2% mainline*
- Width of right of way: *80 ft.*
- Major structures: *495' x 28' bridge with concrete deck and timber piles*
Sufficiency Rating: *19.9*
- Major interchanges or intersections along the project: *None*
- Existing length of roadway: *0.4 miles*

Proposed Design Features:

- Proposed typical section(s): *2-12' lanes in each direction with 6' rural shoulders*
- Proposed Design Speed Mainline: *55 mph*
- Proposed Maximum grade Mainline: *2%*
- Maximum grade allowable Mainline: *5%*
- Proposed Maximum degree of curve: *3°*
- Maximum degree allowable: *6°*
- Right of way
 - Width: *Varies 80' to 120'*
 - Easements: Temporary (), Permanent (), Utility (), Other ()
 - Type of access control: Full (), Partial (), By Permit (), None (X)
 - Number of parcels: *4* Number of displacements: *0*
 - Business: _____
 - Residences: _____
 - Mobile homes: _____
 - Other: _____
- Structures:
 - Bridges: *495' x 30' bridge over Gum Swamp Creek (The exact length of the proposed bridge will be determined after field surveys and hydraulic studies are complete.*
 - Retaining walls: *None*
- Major intersections and interchanges: *None*
- Traffic control during construction: *County Road 239 will be closed during construction.*
- 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*
- Environmental concerns: *No problems are anticipated at this time.*

Project Concept Report page 5
Project Number: BR-0002-00(227)
P. I. Number: 0002227
County: Dodge

- 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:
 - Power: Ocmulgee EMC

Project responsibilities:

- Design: *District Two Preconstruction*
- Right of Way Acquisition: *Dodge County*
- Relocation of Utilities: *District Two Utilities*
- Letting to contract: *DOT Contracts Administration*
- Supervision of construction: *Dublin DOT Area Office*
- Providing material pits: *Dodge County*
- Providing detours: *Dodge County*

Coordination

- Concept meeting date:
- P. A. R. meetings: *None Required*
- FEMA, USCG, and/or TVA: *None Required*
- Public involvement: *None*
- Local government comments: *Dodge County has agreed to acquire any required right-of-way, fund all reimbursable utilities, provide any borrow/waste pits and provide any detours.*
- Other projects in the area: *BR-0002-00(226), BR-0002-00(224)*

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: *12 months.*
- Time to complete preliminary construction plans: *6 months*
- Time to complete right of way plans: *3 months*
- Time to complete the Section 404 Permit: *12 months*
- Time to complete final construction plans: *3 months*
- Time to complete to purchase right of way: *12 months*

Project Concept Report page 6
Project Number: BR-0002-00(227)
P. I. Number: 0002227
County: Dodge

Other alternates considered: *The only other alternate considered was no build, which would not satisfy the need and purpose of this project.*

Comments: *The District recommends approval.*

Attachments:

1. Need and Purpose Statement,
2. LGPA,
3. Cost Estimates:
 - a. Construction including E&C,
 - b. Utilities,
4. Typical sections,
5. Traffic Data,
6. Pavement Design,
7. Location and Design Notice.

Need and Purpose Statement
Project BR-0002-00(227) Dodge County
PI No. 0002227
Bridge Replacement on CR 239 (Old CR 346)
Over Gum Swamp Creek

Bridge project BR-0002-00(227) will replace the structurally deficient bridge located on County Road 239 over Gum Swamp Creek, 4.0 miles Northeast of Chauncey, Georgia. The bridge's sufficiency rating is 19.9. The Office of Bridge Maintenance has determined that any structure with a sufficiency rating less than 50 should be replaced rather than improved. This project will replace the existing bridge with a structurally adequate bridge.

County Road 239 is functionally classified as a rural local. The posted speed limit along CR 239 is 55 mph. The section where the proposed bridge project improvement would take place, is a school bus route. CR 239 is not part of the Statewide Bicycle Plan. The bridge is located 4.0 miles Northeast of Chauncey and was constructed in 1953. Sidewalks are not proposed on the new bridge. Trucks represent 3% of the traffic of CR 239. The Average Daily Traffic (ADT) along this section of highway for 2001 is 250. The projected (2027) ADT for this section of highway is 500. Currently no roadway improvements are in the Construction Work Program for CR 239 in this vicinity.

Replacing this bridge will bring it up to current design standards and in doing so will improve the operation and safety of this roadway.



APR 20 2001

Department of Transportation

State of Georgia
#2 Capitol Square, S.W.
Atlanta, Georgia 30334-1002

J. TOM COLEMAN, JR.
COMMISSIONER
(404) 656-5206

FRANK L. DANCHETZ
CHIEF ENGINEER
(404) 656-5277

HAROLD E. LINNENKOHL
DEPUTY COMMISSIONER
(404) 656-5212

BILLY F. SHARP
TREASURER
(404) 656-5224

April 9, 2001

LOCAL GOVERNMENT PROJECT AGREEMENT

In consideration of the proposed improvements, DODGE County agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BR-0002-00(227) Dodge Co., PI # 0002227:

BRIDGES
CR 239 (OLD CR 346)/ JAYBIRD SPRINGS RD @ GUM SWAMP CREEK

- Provide all rights-of-way and/or easements needed for the construction of the project and remove existing structures or obstructions within the rights-of-way.
- Make all utility relocations, adjustments or betterments of publicly owned utilities that are in conflict with construction of this project. Reimburse Georgia D.O.T. for any damages paid to the contractor for delay of construction caused by a delay in relocating the publicly owned
- Relocate or adjust all privately owned utilities to clear construction of this project, including adjustments at railroad crossings if required.
- Furnish detours, local borrow and waste pits as needed.
- We support this project but choose not to commit any funding, realizing this may delay the project until additional funding can be found.

This 18th day of April, 2001

APPROVED [Signature]

City/County Official

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0002-00 (227) – Dodge County
P.I. No. 0002227

OFFICE Tennille - Utilities

DATE September 5, 2001

FROM *JFH, Jr. 1/22*
James F. Hobby, Jr., District Utilities Engineer

TO David Griffith, District Preconstruction Engineer
Attention: George Brewer

SUBJECT Utility Cost Estimate – County Road 239/Jaybird Springs Rd. @ Gum Swamp Creek

A Utility Cost Estimate has been completed for the subject location. This estimate was prepared using information obtained from an on-site inspection by James F. Hobby, Jr. and Jamie Lindsey of this office on August 29, 2001.

POWER
Ocmulgee EMC

Ocmulgee EMC has aerial facilities located along the eastern side of County Road 239 at the existing bridge site. The 3 phase line is inside the existing right of way and should not be eligible for reimbursement.

There are no utility facilities attached to the existing bridge.

Please be advised that this is an estimate and may be revised when project plans are developed.

If you should have questions, please contact Jamie Lindsey at 478-552-4606.

JFH: JLL

cc: Scott Greene (Attention: Jim Tolson)[via e-mail]; Herman Griffin; Debbie Pennington

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0002-00(227) Dodge
P. I. No. 0002227

OFFICE Environment/Location

DATE January 8, 2002

FROM Harvey D. Keeper, State Environmental/Location Engineer

TO Mike Thomas, P.E., District Engineer, Tennille
Attn: George Brewer

SUBJECT CR 239 (Old CR 346)/Jaybird Springs Rd. @ Gum Swamp Creek

We are furnishing estimated traffic assignments for the above project as follows:

Existing 2001 ADT = 250
2007 ADT = 300
2027 ADT = 500
K = 9%
D = 60%
T = 1%
24 HR T = 3%
SU = 2%
COMB = 1%

If you have any questions concerning this information please contact
Teresa Williamson at (404)699-4458.

HDK/TJW

FLEXIBLE PAVEMENT DESIGN ANALYSIS

Project: BR-0002-00(227)

County: Dodge

P.I. no.: 0002227

Description: Bridge Replacment on CR 239 at Gum Swamp Creek

Traffic Data (NOTE: AADTs are one-way)

24-hour Truck Percentage: 3.00%

AADT initial year of design period: 150 vpd (2007)

AADT final year of design period: 250 vpd (2027)

Mean AADT (one-way): 200 vpd

Design Loading

Mean AADT	LDL	Trucks	18-K ESAL	Total Daily Loads
200 *	1.00 *	0.030 *	0.51	= 4

Total predicted design period loading = 4 * 20 * 365 = 29,200

Design Data

Terminal Serviceability Index: 2.50

Soil Support: 3.50

Regional Factor: 1.40

PROPOSED FLEXIBLE PAVEMENT STRUCTURE

Material	Thickness		Structural Coefficient	Structural Value
	mm	(in.)		
9.5 mm Superpave	40	(1.57)	0.0173	0.69
19 mm Superpave	50	(1.97)	0.0173	0.86
25 mm Superpave	24	(0.94)	0.0173	0.42
	76	(2.99)	0.0118	0.90

Required SN = 2.17

Proposed SN = 2.87

>>> Proposed pavement is 32.1% Overdesign <<<

Remarks:

Prepared by George Brewer, District Design Engineer January 10, 2002
Date

Recommended State Materials & Research Engineer
Date

Approved District Engineer
Date

NOTICE OF LOCATION AND DESIGN APPROVAL

BR-0002-00(227) DODGE COUNTY

P. I. NUMBER 0002227

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 was *MARCH 6, 2002*
Date of Approval

This project proposes to replace the structurally deficient bridge on County Road 52 over Crooked Creek north of Rhine.

Drawings of the proposed project are on file and are available for inspection at the Georgia Department of Transportation.

Michael J. Schriver
michael.schrivier@dot.state.ga.us
611 Firetower Road
Dublin, Georgia 31021

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:

DAVID O. GRIFFITH
PRECONSTRUCTION ENGINEER
P.O. BOX 8
TENNILLE, GA 31089
(478)552-4629

Any written request or communication in reference to this projector **SHOULD** include the Project and PI numbers as noted at the top of this notice.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT

District Two Design Office

Project Number: BR-0002-00(227)

County: Dodge

P. I. Number: 0002227

Federal Route Number: None

State Route Number: None

County Road Number: 239 ✓

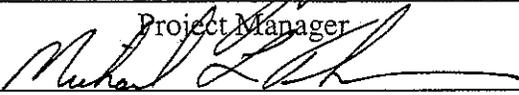
Recommendation for approval:

DATE 2/7/02

DATE 2-8-02



Project Manager



Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

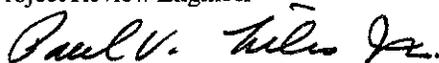
DATE _____

State Traffic Operations Engineer

DATE _____

Project Review Engineer

DATE 2-17-02



State Bridge and Structural Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT

District Two Design Office

Project Number: BR-0002-00(227)

County: Dodge

P. I. Number: 0002227

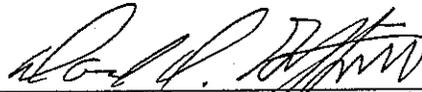
Federal Route Number: None

State Route Number: None

County Road Number: 239

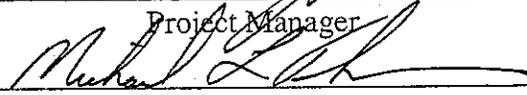
Recommendation for approval:

DATE 2/7/02



Project Manager

DATE 2-8-02



Office Head/District Engineer

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

DATE 2/20/02



State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT

District Two Design Office

Project Number: BR-0002-00(227)

County: Dodge

P. I. Number: 0002227

Federal Route Number: None

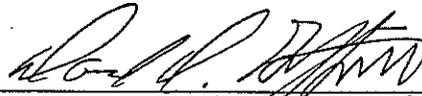
State Route Number: None

County Road Number: 239

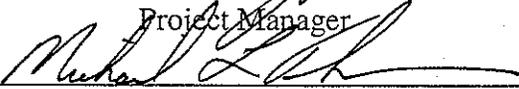
Recommendation for approval:

DATE 2/7/02

DATE 2-8-02



Project Manager



Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

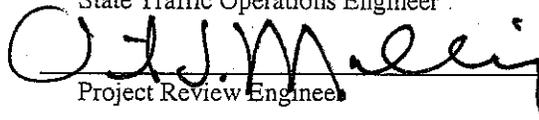
DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE 2/27/02



Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT

District Two Design Office

Project Number: BR-0002-00(227)

County: Dodge

P. I. Number: 0002227

Federal Route Number: None

State Route Number: None

County Road Number: 239

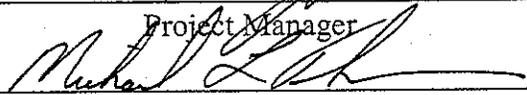
Recommendation for approval:

DATE 2/7/02



Project Manager

DATE 2-8-02



Office Head/District Engineer

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

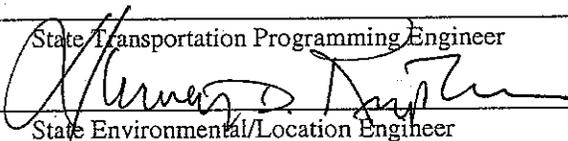
DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE 2/15/02



State Environmental/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BR-0002-00(227), Dodge County
P.I. No. 0002227

Office: Traffic Safety & Design
Atlanta, Georgia
Date: February 13, 2002

From: ^{PMA/ce} Phillip M. Allen, State Traffic Safety and Design Engineer
To: Wayne Hutto, Assistant Director of Preconstruction
Subject: Project Concept Report Review

We have reviewed the above referenced concept report for the proposed bridge replacement along County Road 239 over Gumswamp Creek in Dodge County.

The Office of Traffic Safety & Design finds this report satisfactory for approval because it will improve safety and traffic operations within this area.

PMA/sz

Attachment (signature page)

Cc: Harvey Keeper, State Environment/Location Engineer
Mike Thomas, District Engineer
Attention: George Brewer, District Design Engineer
David Mulling, State Review Engineer, w/ attachment
Marta Rosen, State Transportation Planning Administrator
Paul Liles, State Bridge & Structural Design Engineer
Chuck Hasty, TMC
General Files
Office Files

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT**

District Two Design Office

Project Number: *BR-0002-00(227)*

County: *Dodge*

P. I. Number: *0002227*

Federal Route Number: *None*

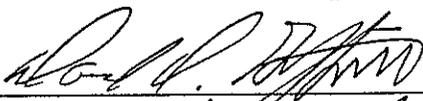
State Route Number: *None*

County Road Number: *239*

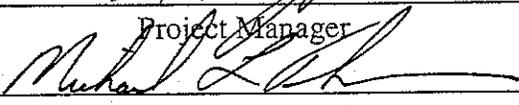
Recommendation for approval:

DATE *2/7/02*

DATE *2-8-02*



Project Manager



Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

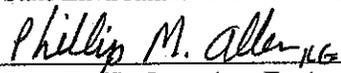
DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE *2/10/02*



State Traffic Operations Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT

District Two Design Office

Project Number: BR-0002-00(227)

County: Dodge

P. I. Number: 0002227

Federal Route Number: None

State Route Number: None

County Road Number: 239

Recommendation for approval:

DATE 2/7/02



Project Manager

DATE 2-8-02



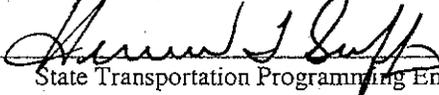
Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE 2-11-02



State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer