

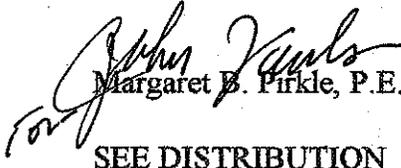
D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0003-00(450) Bartow County **OFFICE** Preconstruction
P. I. No. 0003450

DATE July 7, 2003

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

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

David Mulling
Harvey Keeper
Jerry Hobbs
Percy Middlebrooks
Michael Henry
Phillip Allen
Joe Palladi
Paul Liles
Brent Story
Kent Sager
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR-003-00(450) Bartow County **OFFICE** Preconstruction
P.I. No. 0003450
DATE June 19, 2003

FROM  Margaret B. Pirkle, 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 232/Iron Belt Road over Nancy Creek, 3.3 miles northwest of Cartersville, Georgia. The existing bridge, constructed in 1977, is load limited with a sufficiency rating of 48. County Road 232 at this location is a rural two lane roadway with 10.5' travel lanes with rural shoulders. This section of CR 232 is functionally classified as a urban local road. Traffic is projected to be 1,850 VPD and 2,750 VPD in the years 2006 and 2026 respectively. The posted speed and the design speed are 35 MPH.

The construction proposes to construct a new 80' x 38' concrete bridge over Nancy Creek at the existing bridge site. The approaches will consist of two, 12' lanes with 7' rural shoulders. Traffic will be maintained during construction utilizing an off-site detour. Bartow 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 costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$1,265,000	\$1,100,000	2006	2006
Right-of-Way & Utilities*	Local	Local		

*Bartow County signed LGPA on 1-18-02 for right-of-way, utilities and detours.

Frank L. Danchetz

Page 2

BR-0003-00(450) Bartow

June 19, 2003

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

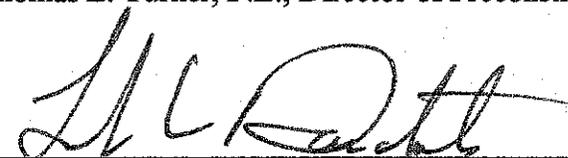
CWH:JDQ/cj

Attachment

CONCUR


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

APPROVE


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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

368

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BR-0003-00(450) Bartow
P.I. Number 0003450
CR 232 @ Nancy Creek

OFFICE: Engineering Services

DATE: June 5, 2003

FROM: David Mulling, Project Review Engineer *Atw*

TO: Meg Pirkle, Assistant Director of Preconstruction

SUBJECT: CONCEPT REPORT

We have reviewed the concept report submitted May 23, 2003 by the letter from Kent Sager dated May 12, 2003, and have the following comments.

- Estimated quantity of Earthwork and a unit cost should be included in the cost estimate. A square foot quantity for the bridge and unit costs should also be included. Other items should be broken up with quantities where possible i.e., paving quantities, etc.
- The LGPA should be executed for the costs for the Right of Way, Utility Relocations, and Detour.

The costs for this project are:

Construction	\$425,000
Inflation	\$21,250
E&C	\$44,625
Reimbursable Utilities	\$0 (LGPA)
Right of Way	\$0 (LGPA)

REW

c: Kent Sager, Attn: David Moore

SCORING RESULTS AS PER MOG 2440-2

Project Number: BR-0003-00(450)		County: Bartow		PI No.: 0003450	
Report Date: May 12, 2003		Concept By: DOT Office: District 6			
<input checked="" type="checkbox"/> Concept Stage		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 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 type="checkbox"/> Miscellaneous	
FOCUS AREAS	SCORE	RESULTS			
Presentation	90	Estimated quantities and unit costs were not included for several items in the Cost Estimate.			
Judgement	100				
Environmental	100				
Right of Way	100				
Utility	100				
Constructability	100				
Schedule	100				

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0003-00(450), *Bartow Co.* OFFICE *Cartersville, Ga.*
P.I. No.: 0003450
Bridge Replacement CR232/Iron Belt Rd. DATE *May 12, 2003*
at Nancy creek

FROM *Kent L. Sager, District Engineer – District Six*

TO *Meg Pirkle, Assistant Division Director of Preconstruction*

SUBJECT *Project Concept Report For Approval*

Attached is a copy of the concept report for project BR-0003-00(450) Bartow County. Copies have been forwarded to the appropriate offices for review and comment.

If additional information is needed, please call David P. Moore at 770-387-3622. As always, your assistance is greatly appreciated.

By: *David P. Moore*
District Design Engineer

KLS:DPM:stm

Attachments:

cc: *David Mulling, Project Review Engineer*
Harvey Keepler, State Environmental/Location Engineer
Carla Holmes, State Traffic Operations Engineer
Marta Rosen, State Transportation Planning Administrator
Percy Middlebrooks, Financial Management Administrator
State Transportation Programming Engineer
Paul Liles, State Bridge Design Engineer
Main File
File

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

District 6

PROJECT CONCEPT REPORT

Project Number: BR-0003-00(450)

County: Bartow

P. I. Number: 0003450

Federal Route Number: none

State Route Number: none

Recommendation for approval:

DATE 6-3-2003

Curtis D. Corbin

Project Manager

DATE 6/3/03

Mark Jay

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 Program (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 Safety & Design Engineer

DATE _____

Project Review Engineer

DATE _____

other offices as required such as; Bridge Design, etc.

Project Concept Report page 3
Project Number: BR-0003-00(450)
P. I. Number: 0003450
County: Bartow

Need and Purpose: See attachment "A"

Description of the proposed project: The length of project is 0.2 miles and is located on CR 232/Iron Belt Rd. at Nancy Creek, 3.3 miles NW of Cartersville.

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: Urban Local Street

U. S. Route Number(s): none **State Route Number(s):** none

Traffic (AADT):

Current Year: (2008) 1850 Design Year: (2028) 2750

Existing design features:

- Typical Section: two 10.5 foot lanes with three foot shoulders.
- Posted speed 35 mph Maximum degree of curvature: 0%
- Maximum grade: 10%
- Width of right of way: 50 ft.
- Major structures: 49 x 26 ft bridge w/ sufficient rating of 48.6
- Major interchanges or intersections along the project: none
- Existing length of roadway segment is 0.20 miles

Project Concept Report page 4
 Project Number: BR-0003-00(450)
 P. I. Number: 0003450
 County: Bartow

Proposed Design Features:

- Proposed typical section(s): 2 – 12 ft lanes with 7 ft shoulders.
- Proposed Design Speed Mainline 35 mph
- Proposed Maximum grade Mainline 5 % Maximum grade allowable
8 %.
- Proposed Maximum degree of curve 4 Maximum degree allowable
14
- Right of way
 - Width 80
 - Easements: Temporary (X), Permanent (), Utility (), other ()
 - Type of access control: Full (), Partial (), By Permit (X), other ()
 - Number of parcels: 4 Number of displacements:
 - Business: None
 - Residences: None
 - Mobile homes: None
 - Other: None
- Structures:
 - Bridges 80 ft X 38 ft bridge,
- Major intersections and interchanges. None
- Traffic control during construction: The existing roadway will be closed during construction. The new bridge will be constructed in the same location as the existing bridge. County Government will be responsible for detour.
- 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: Section 404 & Water quality.

Project Concept Report page 5

Project Number:

P. I. Number:

County:

- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (X), No (),
 - Categorical exclusion (X),
- Utility involvements: Georgia Power and Adelphia Cable

Project responsibilities:

- Design, GDOT
- Right of Way Acquisition, LOCAL
- Relocation of Utilities, LOCAL
- Letting to contract, GDOT
- Supervision of construction, GDOT
- Providing material pits, CONTRACTOR
- Providing detours. LOCAL

Coordination

- Concept meeting date:
- P. A. R. meetings, dates and results: N/A
- FEMA, USCG, and/or TVA: N/A
- Public involvement
- Local government comments: None
- Other projects in the area. STP-0000-00(994), PI # 0000994, SR 3/US 41 at Grassdale Rd/ CR 155 and Iron Belt Rd/CR 232, intersection improvement, long range project.

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: 6 Months.
- Time to complete the Section 404 Permit: 6 Months.
- Time to complete final construction plans: 4 Months.
- Time to complete to purchase right of way: 6 Months.
- Bridge plans: 6 Months.

Project Concept Report page 6
Project Number: BR-0003-00(450)
P. I. Number: 0003450
County: Bartow

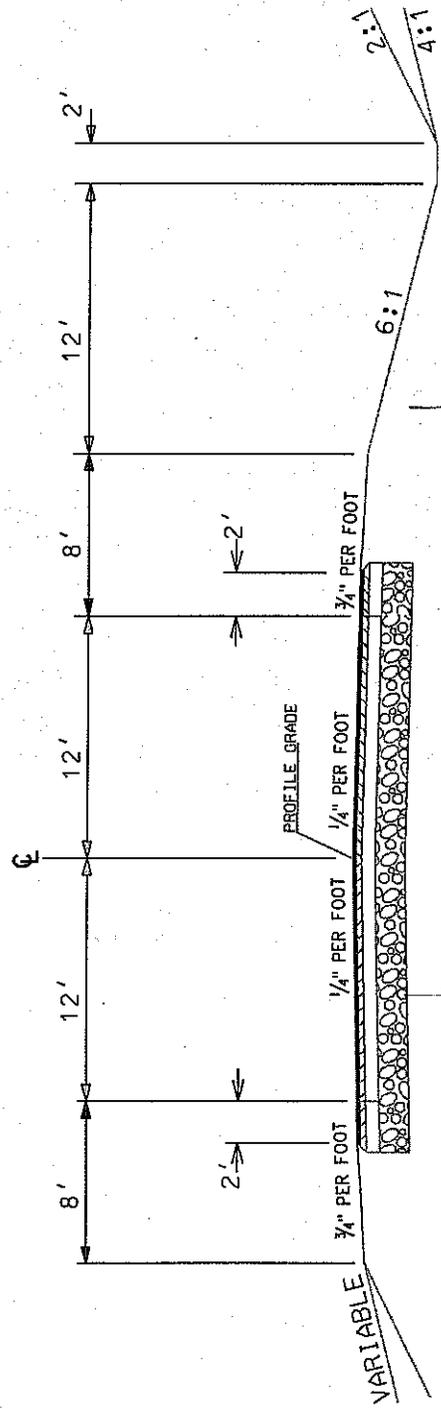
Other alternates considered: NO BUILD

Comments: None

Attachments:

1. Cost Estimates:
 - a. Construction including E&C,
 - b. Right of Way, and
 - c. Utilities.
2. Sketch location map,
3. Typical sections,
4. Bridge inventory,
5. Location and Design Notice
6. "A"
7. Minutes of Initial Concept and Concept meeting

TYPICAL SECTION



ATTACHMENT "A"

NEED AND PURPOSE BR-0003-00 (450), PI 0003450

BRIDGE REPLACEMENT, BARTOW COUNTY

Bridge project **BR-0003-00(450)** will replace the structurally deficient bridge located on Iron Belt Road (CR 232) over Nancy Creek, 3.3 miles northwest of Cartersville.

The existing bridge was constructed in 1977. The original design load capacity is H-15 and the bridge is classified as Functionally Obsolete. The existing bridge's sufficiency rating is 48.6. The sufficiency rating, a number from 0 to 100 is a method of evaluating structural adequacy and safety, serviceability and functional obsolescence. The resultant rating would range between zero, which represents an entirely insufficient or deficient bridge; and 100, which represents an entirely sufficient bridge. The Office of Bridge and 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.

This section of CR 232 is classified as a Urban Local, is a designated school bus route and is not on a bike route. The posted speed limit along CR 232 is 35 mph. The Annual Average Daily Traffic (AADT) along this section of roadway was 830 vehicles in 2000 with 4 percent trucks. The projected traffic for 2025 for this section of roadway is 1360.

Projects in the area:

- STP-0000-00(994), PI # 0000994, SR 3/ US 41 at Grassdale Rd/CR 155 and Iron Belt Rd/CR 232, intersection improvement, long range project.

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

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

Right of Way Cost Estimate

~~BR-0003-00(450)~~

PI No. 0003450

Existing R/W= 50 Ft.
Required R/W= 80 Ft.

Approximately 2.5 acres required R/W

2.5x\$15,100.00

Total R/W cost= \$37,750

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR-000-3 (450) **OFFICE** Cartersville
PI No. 0003450

FROM Kerry D. Bonner **DATE** April 2, 2003
District Utilities Engineer

TO DeWayne Comer
District Pre Construction Engineer

ATTN David Moore

SUBJECT PRELIMINARY UTILITY COST ESTIMATE

As requested by your office, we are furnishing you with a Preliminary Utility Cost estimates for each utility with facilities potentially located within the project limits.

FACILITY OWNER	NON- REIMBURSABLE	REIMBURSABLE	LOCAL GOVT. COST
Georgia Power	\$28,000.00		
Adelphia	No Cost to Relocate		
BellSouth	No Facilities		

Totals 28,000.00

Total Preliminary Utility Cost Estimate 28,000.00

If you have any questions, please contact Stanley Horton at 770-387-3616

KDB/lsh

**C: Jeff Baker, State Utilities Engineer;
Herman Griffin, Office of Programming;
James M. Thomason, Area Engineer
File/Estimating Book**

PRELIMINARY COST ESTIMATE

DATE 2-21-2003

PROJECT BRS-003-00(450)

P.I. NO. 0003450

PROJECT DESCRIPTION Bridge replacement on CR232/Iron Belt Road at Nancy Creek 3.3 miles
North West of Cartersville in Bartow County

TRAFFIC: Existing 1850 (2008) Design 2750 (2028)

() PROGRAMMING PROCES (X) CONCEPT DEVELOPMENT () DURING PROJECT DEVELOPMENT

PROJECT COST

A. RIGHT OF WAY

- 1. PROPERTY (Land and Easements) \$ 0
- 2. DISPLACEMENTS \$
- 3. OTHER COSTS \$

SUBTOTAL \$ 0

B. REIMBURSABLE UTILITIES

- 1. RAILROAD \$
- 2. TRANSMISSION LINES \$ 0
- 3. SERVICES \$

SUBTOTAL \$ 0

C. MAJOR STRUCTURES

- 1. WALLS \$
- 2. BRIDGE STREAM CROSSINGS \$ 225,000
- 3. BRIDGE OVER/UNDERPASS \$
- 4. BOX CULVERTS \$

SUBTOTAL \$ 225,000

D. GRADING AND DRAINAGE

1. EARTHWORK	\$ 56,000
2. DRAINAGE	\$ 10,000
a. Cross drain pipes (exc. box culverts)	\$
b. Curb and Gutter	\$
c. Longitudinal System (incl. Catch Basins)	\$
	SUBTOTAL \$ 66,000

E. BASE AND PAVING

1. AGGREGATE BASE	\$ 20,000
2. ASPHALT PAVING	\$ 15,000
3. CONCRETE PAVING	\$
4. OTHER	\$
	SUBTOTAL \$ 35,000

F. LUMP ITEMS

1. TRAFFIC CONTROL	\$ 50,000
2. CLEARING AND GRUBBING	\$ 8,000
3. LANDSCAPING	\$
4. EROSION CONTROL	\$ 25,000
5. DETOURS (Incl. Temp. Bridges)	\$
	SUBTOTAL \$ 83,000

G. MISCELLANEOUS

1. LIGHTING	\$
2. SIGNING - STRIPING	\$ 1,000
3. GUARDRAIL	\$ 15,000
4. OTHER	\$
	SUBTOTAL \$ 16,000

H. SPECIAL FEATURES

	SUBTOTAL \$
--	--------------------

ESTIMATE SUMMARY

A. RIGHT OF WAY	\$ _____
B. REIMBURSABLE UTILITIES	\$ _____

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES	\$ 225,000 _____
D. GRADING AND DRAINAGE	\$ 66,000 _____
E. BASE AND PAVING	\$ 35,000 _____
F. LUMP ITEMS	\$ 83,000 _____
G. MISCELLANEOUS	\$ 16,000 _____
H. SPECIAL FEATURES	\$ _____
SUBTOTAL CONSTRUCTION COST	\$ 425,000 _____
E & C (10%)	\$ 42,500 _____
INFLATION (5% PER YEAR)	\$ 21,250 _____
TOTAL CONSTRUCTION COST	\$ 488,750 _____
GRAND TOTAL COST	\$ 488,750 _____

5-7-2003

CONCEPT MEETING NOTES

BR-000-00(450)

PI No. 0003450

Bridge Replacement over Nancy Creek at CR232/Iron Belt Rd.
Bartow County

General Comments:

County: The county recommends building truss span bridge. The county did not want to close road during construction.

Utility: Ga. Power & Adelpia Cable. Appears to be minimal utility impact.

Environmental: 404 permit will be required. The Etowah Conservation Group in Bartow County prefers Bridge verses culvert. The Etowah Conservation group is headed up by Dr. Laurie Fowler at the University of Georgia.

Construction: Construction was concerned about how fencing would be paid for. Fencing will be a contract item. There is a cattle crossing at the south west end of the bridge. This will have to be addressed on the plans. Construction recommends closing the road during construction. Construction of bridge would take approximately one year. There is Rail Road track crossing the road approximately 400 Feet from the north east end of bridge. The location of the Rail road will limit the tie in of the roadway to just south of Rail Road limiting the flex ability of the design.

Preconstruction: Preconstruction recommends the road be closed during construction.

Traffic OPS Did not attend meeting.

Concept Team Meeting

Project: BR-0003-00(450)
PI No.: 0003450

Date: 5-7-2003
Meeting Date: 5-7-2003

HAVE BRIDGE CALL

Meeting Roster:

NAME	OFFICE
DAVID MOORE	DISTRICT DESIGN
Dwight Fox	BARTOW - Road
Steve Bradley	County Adm. 387-5030
Kathy Spradley	GDOT
STANLEY HORTON	GDOT
LLOYD KING	GDOT
Lisa Wesley	GDOT
Herman Conley	GDOT, LOCATION
Andy Doyle	GDOT - Construction
James Hughes	MD Census
Kenny Beckwith	GDOT - Construction
Frank Brock	GA Power Co
STEVE MALINAK	GA. D.O.T.

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 015-5045-0

Bartow

SUFF. RATING

48.60

Programming Data

201 Project No.: COUNTY DESIGN
 202 Plans Available: 0
 249 Prop. Proj. No. BR-0003-00 (450)
 250 Approval Status: 0000
 251 P.I. No.: 0003450
 252 Contract Date: 02/01/2006
 260 Seismic No.: 00000
 75 Type Work: 31 1
 94 Bridge Imp. Cost: \$ 72
 95 Roadway Imp. Cost: \$ 48
 96 Total Imp Cost: \$ 141
 76 Imp. Length: 000260
 97 Imp. Year: 1990
 114 Future ADT: 1215 Year: 2019

Measurements

* 29 ADT: 000810 Year: 1999
 109 % Trucks: 5
 * 28 Lanes On: 02 Under: 00
 210 No. Trucks On: 00 Under: 00
 * 48 Max. Span Length: 0025
 * 49 Structure Length: 49
 51 Br. Rwdy. Width: 26.00
 52 Deck Width: 27.30
 * 47 Tot. Horz. Cl: 26.00
 50 Curb/Sdewlk Width: 0.00/0.00
 32 Approach Rdwy Width: 020
 * 229 Shoulder Width:
 Rear Lt: 3.00 Type: 8 Rt: 3.00
 Fwd Lt: 3.00 Type: 8 Rt: 3.00
 Pavement Width:
 Rear: 20.00 Type: 2
 Fwd: 20.00 Type: 2
 Intersection Rear: 0 Fwd: 0
 36 Safety Features Br. Rail: 2
 Transition: 0
 App. G. Rail: 0
 App. Rail End: 0
 53 Minimum Cl Over:
 Under: N
 228 Min. Vertical Cl
 Act. Odsm Dir: 99 ' 99 "
 Oppo. Dir: 99 ' 99 "
 Posted Odsm. 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: 6.00
 Deck Thick Approach: 0.00
 246 Overlay Thickness: 3.00
 212 Year Last Painted: Sup: 1977 Sub: 0000

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: 6
 216 Water Depth: 01.0 Br. Height: 08.3
 222 Slope Protection: 0
 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 Diver: ZZZ
 * 265 U/W Insp. Area: 0

Ratings

65 Inventory Rating Method: 2
 63 Inventory Rating Method: 2
 66 Inventory Type: 2 Rating: 11
 64 Operating Type: 2 Rating: 28
 231 Calculated Loads
 H-Modified: 11 1
 HS-Modified: 19 0
 Type 3: 14 1
 Type 3s2: 21 1
 Timber: 18 1
 Piggyback: 00 0
 261 H Inventory Rating: 09
 262 H Operating Rating: 16
 67 Structural Evaluation: 2
 58 Deck Condition: 6
 59 Superstructure Condition: 6
 * 227 Collision Damage: 0
 60A Substructure Condition: 6
 60B Scour Condition: 8
 60C Underwater Condition: N
 71 Waterway Adequacy: 8
 61 Channel Protection Cond: 8
 68 Deck Geometry: 5
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 8
 62 Culvert: N

Posting Data

70 Bridge Posting Required: 2
 41 Struct Open, Posted, Cl: P
 * 103 Temporary Structure: 0
 232 Posted Load -Modified: 11
 HS-Modified: 00
 Type 3: 14
 Type3s2: 21
 Timber: 18
 Piggyback: 00
 253 Notification Date: 12/04/1996
 253 Fed Notify Date: 03/04/1997

* Location I.D. No.: 015-00232X-000.21E

GEORGIA DEPARTMENT OF TRANSPORTATION

Bridge Inspection Report

District: 6
Bridge Inspector: Danny Mealer
Location ID: 015-00232X-000.21E
Structure ID: 015-5045-0

Inspection Date: 6/8/00
Over: NANCY CREEK
County: Bartow
Road Name: IRON BELT ROAD

Inspection Area: 06
Bridge Status: 07

EVALUATION & DEFICIENCIES

SubStructure:

Year Painted: 0000

Vertical wall concrete units founded on bed rock.

Inventory rating = H15 assigned

All units have minor deterioration.

SuperStructure:

Year Painted: 1977

2 spans with (10 S12X31.8) steel beams, 8 beams and 2 channels.
The beams have no paint.

Inventory rating = H 09 calculated

Due to a lack of paint overall minor surface corrosion has developed.
The beams have full lateral support.
Various beams in both spans have been spliced. (ok)

Deck:

6" concrete slab.
Cover with 3" asphalt overlay.

Inventory rating - H15 assigned

The deck is stable with only minor cracking present.

General:

Built in 1977 as a local county design.

This bridge is satisfactory condition with minor corrosion.

Repairs: Clean and paint steel beams.

Equipment used during this inspection, hand tools.
No ladder required due to the cap height.

Iron Belt Road

GEORGIA DEPARTMENT OF TRANSPORTATION

Bridge Inspection Report

District: 6
 Bridge Inspector: Danny Mealer
 Location ID: 015-00232X-000.21E
 Structure ID: 015-5045-0

Inspection Date: 6/8/00
 Over: NANCY CREEK
 County: Bartow
 Road Name: IRON BELT ROAD

Inspection Area: 06
 Bridge Status: 07

EVALUATION & DEFICIENCIES

Condition Rating

Temp Shored: No

Component	Material	Rating	Truck Type	Gross/H-Mod	HMod	Tand	3-S-2	Log	Piggy
Substructure	Concrete	6	Calculated Posting	11	19	14	21	18	00
Superstructure	Steel	6	Posting Required	Yes	No	Yes	Yes	Yes	No
Deck	Concrete	6	Existing Posting	11	00	14	21	18	00

Not a School Bus Route.

Structure Requires Posting

NOTICE OF LOCATION AND DESIGN APPROVAL

BR-0003-00(450) BARTOW

P. I. 0003450

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 this project.

The date of location approval is *JULY 7, 2003*

This project consists of a bridge replacement on Iron Belt Road/CR232 over Nancy Creek in Bartow County, in 3rd Section Land Lot 131.

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:

Mike Thomason, Area Engineer
874 Peoples Valley Road, N.W.
Cartersville, Georgia 30120
770-387-3680

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:

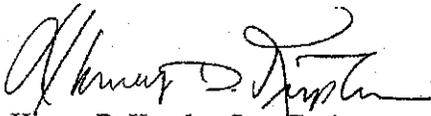
Curtis DeWayne Comer
Preconstruction Office
500 Joe Frank Harris Parkway
Cartersville, Georgia 30120
770-387-3619

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, and may be referred to:

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 0003450 OFFICE: Environment/Location
DATE: June 2, 2003


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

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

SUBJECT: **PROJECT CONCEPT REPORT**
BR-0003-00(450) - BARTOW COUNTY

The above subject concept report has been reviewed. Full aquatic resources will be required. Survey - 8 species of mussels, fish, and snail potentially present. Nancy Creek may need to be spanned.

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

HDK/rtt

Attachment

cc: David Mulling, P.E.
Kent Sager

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District 6

PROJECT CONCEPT REPORT

Project Number: BR-0003-00(450)

County: Bartow

P. I. Number: 0003450

Federal Route Number: none

State Route Number: none

Recommendation for approval:

DATE _____

Project Manager

DATE _____

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 Program (RTP) and the State Transportation Improvement Program (STIP).

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE 6/2/03

[Signature]

State Environmental/Location Engineer

DATE _____

State Traffic Safety & Design Engineer

DATE _____

Project Review Engineer

DATE _____

other offices as required such as; Bridge Design, etc.

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BR-0003-00(450), Bartow County
P.I. No. 0003450

Office: Traffic Safety & Design
Atlanta, Georgia
Date: May 29, 2003

From: *PMA* Phillip M. Allen, State Traffic Safety and Design Engineer
To: Meg Pirkle, Assistant Director of Preconstruction

Subject: Project Concept Report Review

We have reviewed the above referenced concept report for the proposed bridge replacement on County Route 232 over Nancy Creek in Bartow 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
Kent L. Sager, District Engineer
Attention: William M. Darby, 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

District 6

PROJECT CONCEPT REPORT

Project Number: BR-0003-00(450)

County: Bartow

P. I. Number: 0003450

Federal Route Number: none

State Route Number: none

Recommendation for approval:

DATE _____

Project Manager

DATE _____

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 Program (RTP) and the State Transportation Improvement Program (STIP).

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE 5-28-03

Phillip M. Allie

State Traffic Safety & Design Engineer

DATE _____

Project Review Engineer

DATE _____

other offices as required such as; Bridge Design, etc.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District 6

PROJECT CONCEPT REPORT

Project Number: BR-0003-00(450)

County: Bartow

P. I. Number: 0003450

Federal Route Number: none

State Route Number: none

Recommendation for approval:

DATE _____

Project Manager

DATE _____

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 Program (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 Safety & Design Engineer

DATE 6/5/03

David J. Melby

Project Review Engineer

DATE _____

other offices as required such as; Bridge Design, etc.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

District 6

PROJECT CONCEPT REPORT

Project Number: BR-0003-00(450)

County: Bartow

P. I. Number: 0003450

Federal Route Number: none

State Route Number: none

Recommendation for approval:

DATE _____

Project Manager

DATE _____

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 Program (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 Safety & Design Engineer

DATE _____

Project Review Engineer

DATE 6/27/03

Paul V. Tiller Jr.

other offices as required such as; Bridge Design, etc.
State Bridge Engineer