

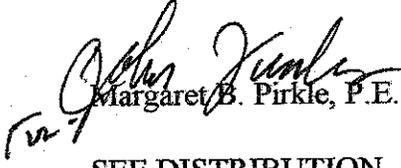
ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRSLB-2915(5) Union County **OFFICE** Preconstruction
P. I. No. 132180 **DATE** February 11, 2003

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

TO SEE DISTRIBUTION

SUBJECT REVISED 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
Marta Rosen
Ben Buchan
Larry Dent
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

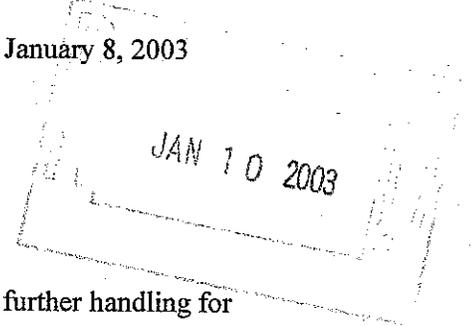
INTERDEPARTMENT CORRESPONDENCE

FILE BRSLB-2915(5), Union **OFFICE** Gainesville
P.I. No. 132180

FROM ^{TIL} Todd I. Long, P.E., Assistant District Engineer **DATE** January 8, 2003

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

SUBJECT **Revised Project Concept Report**



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

The Revised Concept Report proposes to construct the replacement bridge on CR 341 over the Nottely River on new alignment immediately adjacent to the existing bridge and utilize the existing bridge to maintain traffic during construction. Staged construction would be required. In addition, the shoulder width is proposed to be reduced from 10 feet to 8 feet to help reduce impacts and cost. Eight feet is consistent with the 2001 AASHTO Guidelines. The approved Concept proposed to construct a temporary detour road with bridge adjacent to the existing bridge and construct the new bridge on existing alignment. During the Concept validation process impacts of constructing the detour and detour construction costs were evaluated in more detail. The disturbed area would be greater using a detour and the temporary bridge foundation would require more foundation work than just pile driving due to the hard rock conditions that prevail. The result would be greater costs and a longer construction time.

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

DATE Feb 10, 2003


State Transportation Planning Administrator

TIL: NAK
Attachment

C: Project Review Engineer
State Environmental/Location Engineer
State Traffic Operations Engineer
State Transportation Planning Administrator
State Transportation Programming Engineer
State Bridge Engineer

January 2, 2003

State of Georgia
Department of Transportation

REVISED PROJECT CONCEPT REPORT

Need and Purpose: CR 341 is a major connector route from the southern section of Union County to the Blairsville area. This road serves several residences and many businesses and crosses the Nottely River. The existing bridge has a sufficiency rating of 6.0 and is considered deficient. The Office of Bridge Design has determined that any structure with a rating of less than 50 should be replaced rather than improved.

Project location: The project is located 1.4 miles southwest of Blairsville, Georgia in Union County, Georgia. The currently approved project length is 0.25 miles (as this is a county road no MP were assigned). The proposed project length is 0.50.

Description of the approved concept: The approved concept for project BRSLB-2915(5) includes the replacement of a structurally deficient bridge on CR 341 over the Nottely River. The existing bridge would be demolished and a new 200-foot by 40-foot concrete bridge constructed in its current location. The bridge approaches would be improved to include two 12-foot lanes with 10-foot rural shoulders, 2 feet of which would be paved. The project also includes the construction of a two-lane on-site detour road including a temporary bridge for maintenance of traffic during construction. The two-lane detour, consisting of two 12-foot lanes with 4-foot grass shoulders, would begin approximately 430 feet south of the project bridge and would tie back to the existing two-lane facility approximately 695 feet north of the project bridge. The detour bridge would be approximately 180 feet in length.

PDP Classification:

Full Oversight (), Exempt(X), SF(), Other ()

Functional Classification: Major collector

County Route Number(s): 341

State Route Number(s): N/A

Traffic (AADT) as shown in the approved concept:

Current Year (2007) 5000

Design Year (2027) 6400

Proposed features to be revised: The revision would consist of a permanent realignment of CR 341 with construction of the new bridge downstream of its current location over the Nottely River. The shoulder width would also be revised from 10 feet to 8 feet. The proposed project length is 0.50.

Describe the revised feature(s) to be approved: Permanent realignment of the roadway, construction of a new bridge downstream of its current location over the Nottely River, and a

proposed typical section that includes two 12-foot lanes with 8-foot rural shoulders, 2 feet of which is paved. The proposed alignment located just east of the existing bridge would require staged construction. The new bridge would be approximately 200 feet long. The existing bridge would be utilized during construction for maintenance of traffic. Project impacts and cost are projected to be less with this revision.

Updated traffic data (AADT): N/A

Programmed/Schedule:

P.E.: 2001

R/W: Local

Construction: 2004

Revised cost estimates:

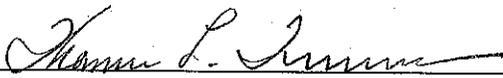
1. Construction cost including inflation = \$1,198,175 (See Attachment)
2. Right-of-way = \$60,000 (per approved concept)
3. Utilities = None known at this time (per approved concept)

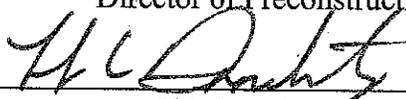
Is the project located in a Non-attainment area?Yes No.....

Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Attachments:

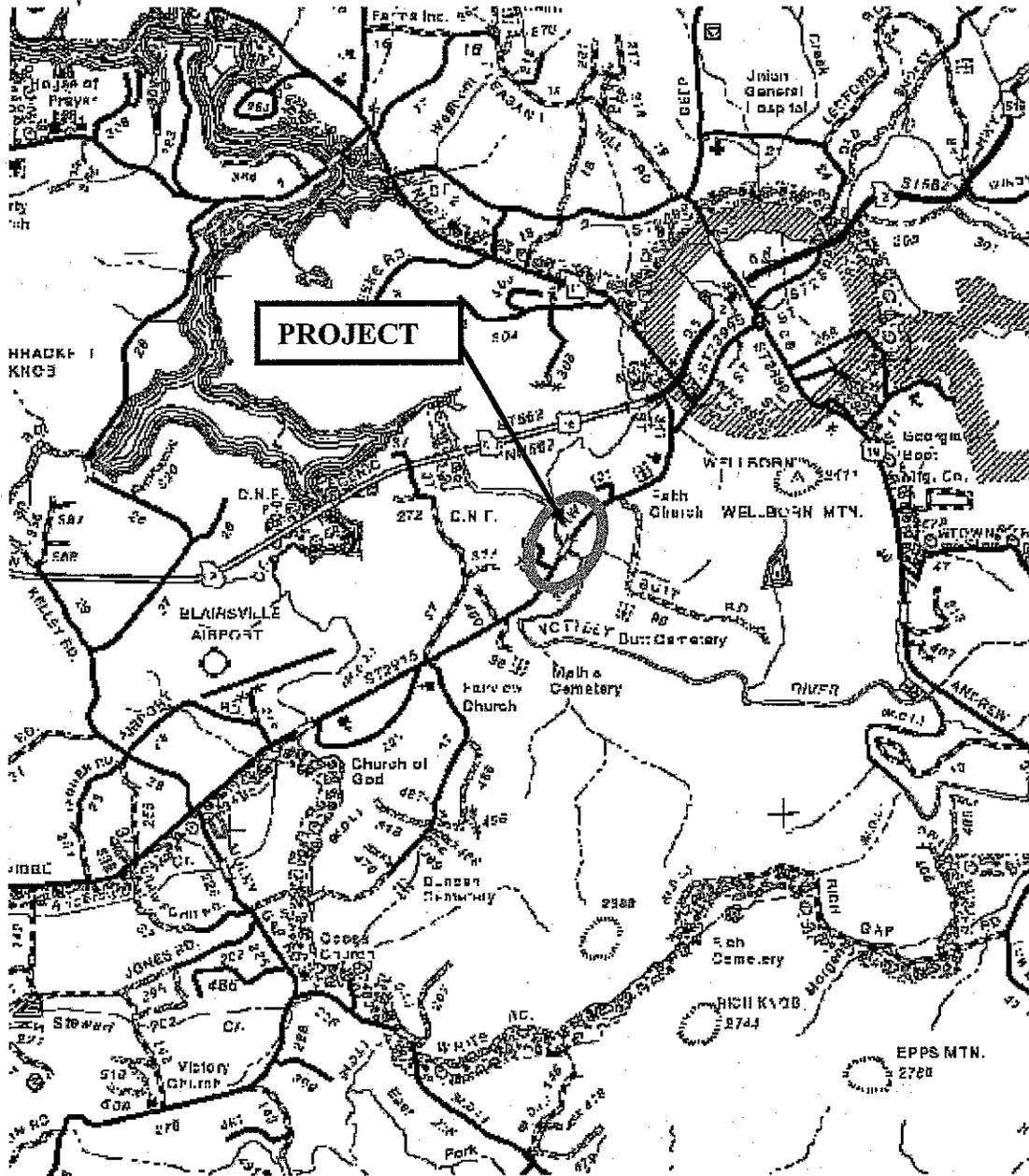
1. Location Map,
2. Cost Estimate,
3. Approved Concept Report

Concur: 
Director of Preconstruction

Approve: 
Chief Engineer

PROJECT LOCATION MAP

PROJECT NO. BRSLB-2915(5)
UNION COUNTY
P.I. NO. 132180



REVISED PROJECT CONCEPT REPORT

CR 341 Bridge Replacement over Nottely River

- { } Programming Process
- {X} Concept Development
- { } During Project Development

DATE: December 8, 2002
PREPARED BY: ARCADIS
PROJECT NO.: BRSLB-2915(5)
P.I. NO.: 132180
MILEAGE: 0.5 mile

PROJECT DESCRIPTION: This project will consist of the permanent realignment of CR 341 and the construction of a new bridge downstream of its current location over Nottely River. Within the project limits, improvements to CR 341 will include the construction of two 12-foot travel lanes with 8-foot rural shoulders, 2 feet of which will be paved.

Traffic Existing: (2007) 5000 VPD

Design Speed: 45 mph

ESTIMATE SUMMARY

Right-of-Way	\$ 60,000
Reimbursable Utilities	\$ 0
Design (Engineering + Surveying)	\$ N/A
Subtotal	\$60,000

COST CONSTRUCTION SUMMARY

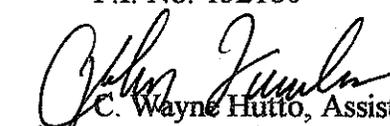
Major Structures	\$662,250
Grading and Drainage	\$80,000
Clearing and Grubbing	\$32,000
Erosion Control	\$48,500
Traffic Control	\$12,000
Base and Paving	\$157,200
Misc. (Guardrail, Signing, Approach Slabs)	\$45,400
Total Construction Estimates	\$1,037,350
5% Inflation for 1 year	\$51,900
E & C	\$108,925
Total Construction Estimate	\$1,198,175

ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRSLB-2915(5) Union County **OFFICE** Preconstruction
P.I. No. 132180
DATE May 30, 2001
FROM  C. Wayne Hutto, Assistant Director of Preconstruction
TO  SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/cj

Attachment

DISTRIBUTION:

Tom Turner
David Mulling
Harvey Keeper
Jerry Hobbs
Herman Griffin
Michael Henry
Marion Waters
Marta Rosen
Paul Liles
Jimmy Chambers (ATTN: Ted Cashin)
Larry Dent

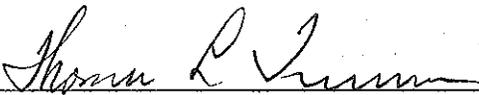
Frank L. Danchetz
Page 2

BRSRB-2915(5) Union
May 10, 2001

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

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BRZLB-2915(5) Union
P.I. Number 132180-

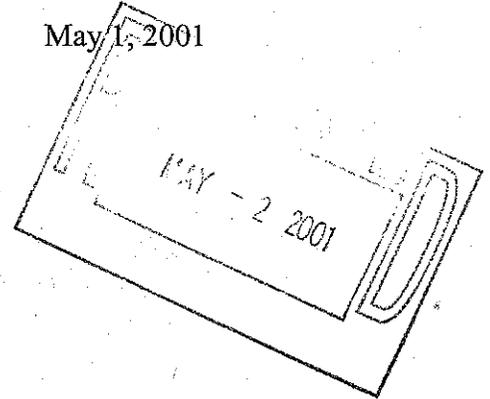
OFFICE: Engineering Services

DATE: May 1, 2001

FROM: David Mulling, ^{DTM} Project Review Engineer

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: CONCEPT REPORT



We have reviewed the concept report submitted April 20, 2001 by the letter from Todd Long dated April 13, 2001, and have the following comments:

1. The estimated cost for the on-site detour should be shown separate from the permanent roadway.

The costs for the project are:

Construction	\$1,197,000
Inflation	\$ 120,000
E&C	\$ 132,000
Reimbursable Utilities	\$ 0
Right of Way	\$ 60,000

DTM

c: Todd Long – District 1 Preconstruction

SCORING RESULTS AS PER MOG 2440-2

Project Number: BRZLB-2915(5)		County: UNION		PI No.: 132180-	
Report Date: 4/13/01		Concept By: DOT Office: DISTRICT 1			
<input checked="" type="checkbox"/> CONCEPT		DOT Project Manager: TODD LONG			
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 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	100%	Show detour cost separate from permanent roadway items.			
Judgement	100%				
Environmental	100%				
Right of Way	100%				
Utility	100%				
Constructability	100%				
Schedule	100%				

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: BRSLB-2915(5)

COUNTY: Union

DATE: March 2001

ESTIMATED LETTING DATE: 2003

PREPARED BY: Tony R. Bradley

PROJECT LENGTH: 0.24 Miles

() PROGRAMMING PROCESS (X) CONCEPT DEVELOPMENT () DURING PROJECT DEV.

PROJECT COST			
3. BASE AND PAVING:			
a. AGGREGATE BASE	2,150	- Tons @ \$18.00	\$ 38,700
b. ASPHALT PAVING (Mainline):			
Drainage - Type D	-	- Tons @ \$50.8	\$ -
Surface - SMA	-	- Tons @ \$54.93	\$ -
Surface - Superpave	280	- Tons @ \$42.56	\$ 11,917
Binder - SMA	-	- Tons @ \$56.9	\$ -
Binder - Superpave	360	- Tons @ \$38.43	\$ 13,835
Base - Superpave	530	- Tons @ \$34.63	\$ 18,354
Pavement Reinf. Fabric Strips	-		\$ -
SUBTOTAL: C-3.b			\$ 44,106
c. CONCRETE PAVING			
d. OTHER (Leveling, Tack Coat, Milling)	-		\$ 2,000
SUBTOTAL: C-3			\$ 84,806
4. LUMP ITEMS			
a. GRASSING			\$ 8,000
b. CLEARING AND GRUBBING -Remove Existing Bridge			\$ 40,000
c. LANDSCAPING			\$ -
d. EROSION CONTROL			\$ 14,500
e. TRAFFIC CONTROL			\$ 12,000
SUBTOTAL: C-4			\$ 74,500
5. MISCELLANEOUS:			
a. LIGHTING			\$ -
b. SIGNING - MARKING			\$ 6,000
c. GUARDRAIL			
Single-Faced			\$ 30,000
Double-Faced			\$ -
Anchors			\$ 6,800
SUBTOTAL: C-5.c			\$ 42,800
d. SIDEWALK			\$ -
e. MEDIAN / SIDE BARRIER	-	-	\$ -
f. MOVABLE BARRIER SECTION			\$ -
g. ACCESS FENCE			\$ -
h. BRIDGE JACKING			\$ -
i. APPROACH SLABS			\$ -
j. REMOVAL			
Concrete Paving			\$ -
Bridges			\$ -
SUBTOTAL: C-5.j			\$ -
k. ATMS Conduit	-	-	\$ -
l. OTHER			
			\$ -

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: BRSLB-2915(5)

COUNTY: Union

DATE: March 2001

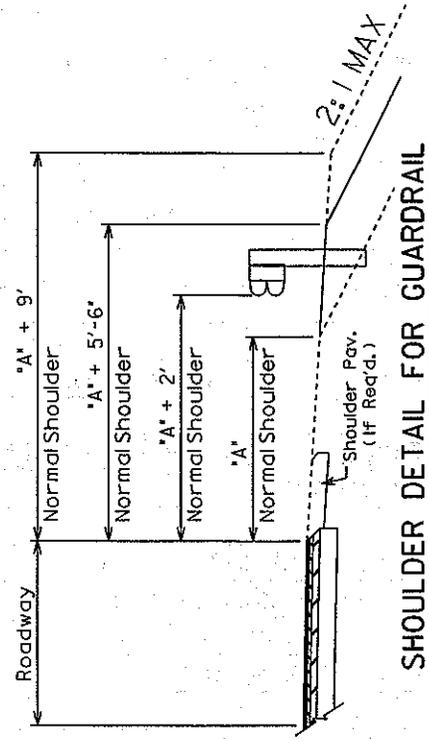
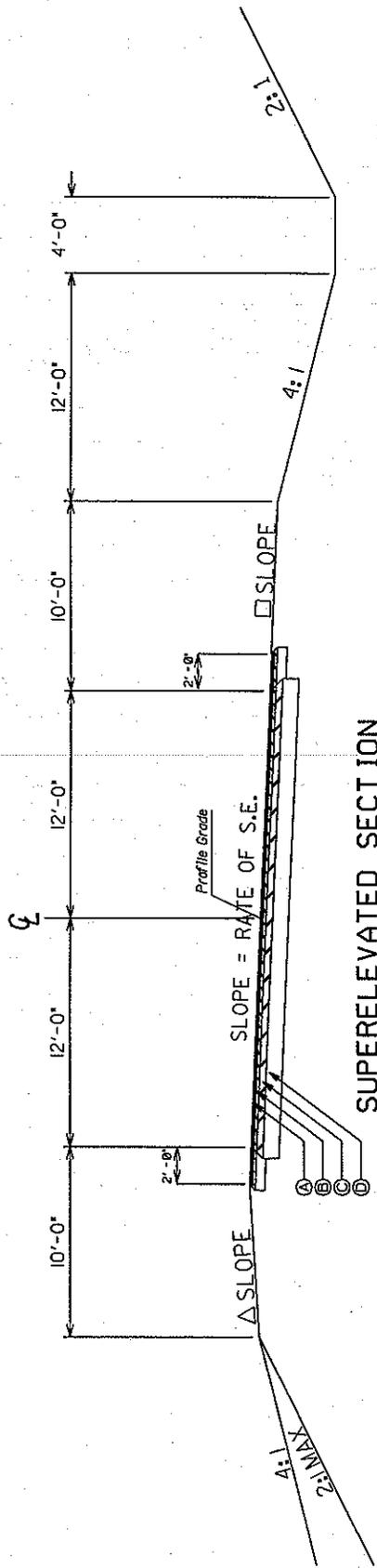
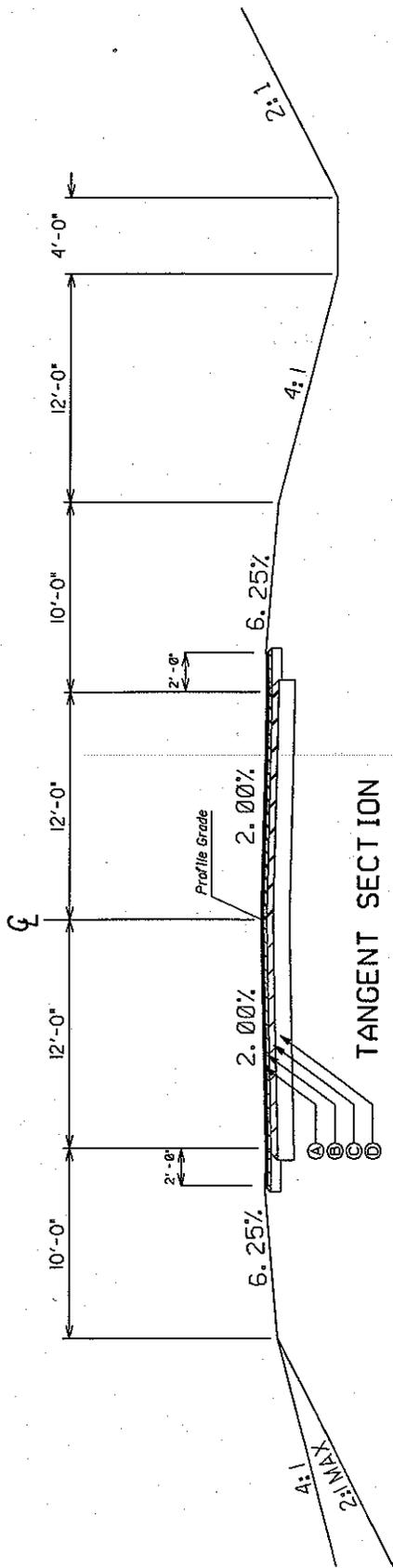
ESTIMATED LETTING DATE: 2003

PREPARED BY: Tony R. Bradley

PROJECT LENGTH: 0.24 Miles

() PROGRAMMING PROCESS (X) CONCEPT DEVELOPMENT () DURING PROJECT DEV.

PROJECT COST		
SUBTOTAL: C-5		
	\$ \$	42,800.00
6. SPECIAL FEATURES-Detour Bridge		
SUBTOTAL: C-6		
	\$	275,000
SUMMARY		
A. RIGHT-OF-WAY LOCAL		
	\$	60,000
B. REIMBURSABLE UTILITIES LOCAL		
	\$	-
C. CONSTRUCTION		
1. MAJOR STRUCTURES		
	\$	644,500
2. GRADING AND DRAINAGE		
	\$	75,000
3. BASE AND PAVING		
	\$	84,806
4. LUMP ITEMS		
	\$	74,500
5. MISCELLANEOUS		
	\$	42,800
6. SPECIAL FEATURES		
	\$	275,000
SUBTOTAL CONSTRUCTION COST		
	\$	1,196,606
E. & C. (10%)		
	\$	119,661
INFLATION (5% PER YEAR)		
	\$	119,661
NUMBER OF YEARS 2		
TOTAL CONSTRUCTION COST		
	\$	1,435,927
GRAND TOTAL PROJECT COST		
	\$	1,495,927



SEE PLAN FOR LOCATION
SEE GA STD 4051 OR 4052 FOR DETAILS

BRSLB-2915(5) UNION CO.
P.I. NO. 132180

TYPICAL SECTION

Bradley, Tony

From: Ebodaghe, Abby
Sent: Monday, November 20, 2000 11:35 AM
To: Bradley, Tony
Subject: Traffic Assignments for C.R. 341 @ Nottley River SW Of Blairsville.

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE BRSLB-2915(5), Union County
P.I. # 132180

OFFICE Environment/ Location

DATE November 20, 2000

FROM Harvey Keeper, State Environment/ Location Engineer

TO Larry Dent, District Engineer
Attn. Tony Bradley

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

2007 AADT = 5000
2027 AADT = 6400
K = 10%
D = 60%
T = 5%
24 HR. T = 7%
S.U. = 3.5%
COMB. = 3.5%

If you have any questions concerning this information please contact Abby Ebodaghe at (404) 699-4461.

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 91-0005-0

Union: Junty

SUFF. RA G: 6.0

Location & Geography

* Structure I.D. No.: 291-0005-0
 * 200 Bridge Information: 06
 * 6A Feature Int.: NOTTELY RIVER
 * 6B Critical Bridge: 0
 * 7A Route Number Carried: CR00341
 * 7B Facility Carried: BLUE RIDGE HIGHWAY
 * 9 Location: 1.4 MI SW OF BLAIRSVILLE
 2 DOT District: 1
 207 Year Photo: 1998
 * 91 Inspection Frequency: 24 Date: 01/01/2000
 92A Fract Crit Insp Freq: 0 00 Date: 0000
 92B Underwater Insp Freq: 1 60 Date: 12/08/1998
 92C Other Spc. Insp Freq: 0 00 Date: 0000

* 4 Place Code: 00000

* 5 Inventory Route (O/U): 1
 Type: 4
 Designator: 1
 Number: 02915
 Direction: 0

* 16 Latitude: 34-51.7
 * 17 Longitude: 83 -58.5

98 Border Bridge: 000 %Shared: 00
 99 ID Number: 0000000000000000

* 100 Defense Highway: 0
 * 101 Parallel Structure: N
 * 102 Direction of Traffic: 2
 264 Road Inventory Mile Post: 010.07

* 208 Inspection Area: 01 Initials: BDH
 * Location I.D. No: 291-02915F-010.07E
 * XReferen I.D. No: 000-000000-000.000

Signs & Attachments

* 104 Highway System: 0
 * 26 Functional Classification: 07
 * 204 Federal Route Type: S No: 02915
 * 110 Truck Route: 0
 206 School Bus Route: 1
 217 Benchmark Elevation: 0.00
 218 Datum: 0
 * 19 Bypass Length: 4
 * 20 Toll: 3
 * 21 Maintenance: 02
 * 22 Owner: 02
 * 31 Design Load: 4
 37 Historical Significance: 5
 205 Congressional District: 09
 * 27 Year Constructed: 1933
 106 Year Reconstructed: 0000
 33 Bridge Median: 0
 34 Skew: 00
 35 Structure Flared: 0
 38 Navigation Control: 0
 213 Special Steel Design: 0
 267 Type of Paint: 1

* 42 Type Service On: 1 Under: 5
 214 Movable Bridge: 00
 203 Type Bridge: A-O-O-O
 259 Pile Encasement: 3
 * 43 Structure Type Main: 1 04
 45 No. Spans Main: 004
 44 Structure Type Appr: 0 0
 46 No. Spans Appr: 0000
 226 Bridge Curve Horz: 0 Vert: 0
 111 Pier Protection: 0
 107 Deck Structure Type: 1
 108 Wearing Surface Type: 1
 Membrane: 0
 Protection: 8

* 106 Year Reconstructed: 0000
 33 Bridge Median: 0
 34 Skew: 00
 35 Structure Flared: 0
 38 Navigation Control: 0
 213 Special Steel Design: 0
 267 Type of Paint: 1

* 106 Year Reconstructed: 0000
 33 Bridge Median: 0
 34 Skew: 00
 35 Structure Flared: 0
 38 Navigation Control: 0
 213 Special Steel Design: 0
 267 Type of Paint: 1

* 106 Year Reconstructed: 0000
 33 Bridge Median: 0
 34 Skew: 00
 35 Structure Flared: 0
 38 Navigation Control: 0
 213 Special Steel Design: 0
 267 Type of Paint: 1

* 106 Year Reconstructed: 0000
 33 Bridge Median: 0
 34 Skew: 00
 35 Structure Flared: 0
 38 Navigation Control: 0
 213 Special Steel Design: 0
 267 Type of Paint: 1

* 106 Year Reconstructed: 0000
 33 Bridge Median: 0
 34 Skew: 00
 35 Structure Flared: 0
 38 Navigation Control: 0
 213 Special Steel Design: 0
 267 Type of Paint: 1

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 91-0005-0

Union Juny

SUFF. RA 3: 6.0

Programming Data

201 Project No: SP-984 NRH 276-B
 202 Plans Available: 0
 249 Prop. Proj No: BRSTLB-2915 (5)
 250 Approval Status: 9021
 251 P.I. No: 132180
 252 Contract Date: 02/01/2005
 260 Seismic No: 00024
 75 Type Work: 31 1
 94 Bridge Imp. Cost: \$ 556
 95 Roadway Imp. Cost: \$ 362
 96 Total Imp. Cost: \$ 1,044
 76 Imp. Length: 001504
 97 Imp. Year: 1990
 114 Future ADT: 014595 Year: 2018

Hydraulic Data

215 Waterway Data
 Highwater Elev: 0000.0 Year: 0000
 Flood Elev: 0000.0 Freq: 00
 Avg. Streambed Elev: 0000.0
 Drainage Area: 00000
 Area of Opening: 000000
 113 Scour Critical: 6
 216 Water Depth: 02.5 Br Height: 22.7
 222 Slope Protection: 1
 221 Spur Dikes Rear: 0 Fwd: 0
 219 Fender System: 0
 220 Dolphin: 0
 223 Culvert Cover: 000
 Type: 0
 No Barrels: 0
 Width: 0.0
 Height: 0.0
 Length: 0
 Apron: 0
 * 265 U/W Insp. Area: 1 Diver: RMO

* Location I.D. No: 291-02915F-010.07E
 * XReferen I.D. No: 000-000000-000.000

Measurements

* 29 ADT: 009730 Year: 1998
 109 % Trucks: 12
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0046
 * 49 Structure Length: 184
 51 Br. Rdwy. Width: 23.7
 52 Deck Width: 27.7
 * 47 Tot. Horz. Cl: 23.7
 50 Curb/Sdewlk Width: 1.0/1.0
 32 Approach Rdwy Width: 024
 * 229 Shlder Width:

Rear Lt: 5.0 Type: 8 Rt: 7.0
 Fwd Lt: 5.0 Type: 8 Rt: 7.0
 Pvmnt Width:

Rear: 24.2 Type: 2
 Fwd: 24.2 Type: 2
 Intersection Rear: 1 Fwd: 0

36 Safety Features Br. Rail: 2
 Transition: 2
 App. G. Rail: 2
 App. Rail End: 2
 53 Minimum Cl. Over: 99' 99"
 Under: N 00' 00"
 * 228 Min. Vert. Cl

Act. Odm. Dir: 99' 99"
 Oppo. Dir: 99' 99"
 Posted Odm. Dir: 00' 00"
 Oppo. Dir: 00' 00"

55 Lateral Undercl. Rt: N 99.9
 56 Lateral Undercl. Lt: 0.0
 * 10 Max Min Vert Cl: 99' 99" Dir: 0
 39 Nav Vert Cl: 000 Horz: 0000
 116 Nav Vert Cl Closed:
 245 Deck Thickness Main: 6.5
 Deck Thick Approach: 0.0
 246 Overlay Thickness: 0.0
 211 Tons Structural Steel: 0.0
 212 Year Last Painted: Sup: 0000 Sub: 0000

Ratings

66 Inventory Type: 2 Rating: 00
 64 Operating Type: 2 Rating: 00
 231 Calculated Loads

H-Modified: 20 0
 HS-Modified: 25 0
 Type 3: 24 0
 Type 3s2: 38 0
 Timber: 35 0
 Piggyback: 00 0

261 H Inventory Rating: 20
 262 H Operating Rating: 35

67 Structural Evaluation: 2
 58 Deck Condition: 5
 59 Superstructure Condition: 3
 * 227 Collision Damage: 0
 60A Substructure Condition: 6
 60B Scour Condition: 6
 60C Underwater Condition: 6
 71 Waterway Adequacy: 9
 61 Channel Protection Cond: 6
 68 Deck Geometry: 2
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 6
 62 Culvert: N

Posting Data

70 Bridge Posting Required: 5
 41 Struct Open, Posted, Cl: D
 * 103 Temporary Structure: T

232 Posted Loads H-Modified: 00
 HS-Modified: 00
 Type 3: 00
 Type 3S2: 00
 Timber: 00
 Piggyback: 00
 253 Notification Date: 02/01/1996
 253 Fed Notify Date: 0000 0

**A TIME ACCOUNT
FOR:
TEAM CONCEPT MEETING
April 11, 2001
PROJECT : BRSLB-2915(5)
UNION COUNTY**

OPENING TIME: 1:40 pm

PERSONS IN ATTENDANCE :

Todd Long	District Preconstruction
Tony Bradley	District Location Survey
Robby Oliver	District Utilities
Billy Cantrell	District Traffic Operations
Todd Sumption	District Design
Lamar Paris	Union County Commissioner
Edward K. Vinson	District Location Survey

The meeting opened with a general overview of the project provided by Mr. Bradley.

Mr. Paris inquired as to the traffic volume rating in and around the proposed project area.

Mr. Long responded by relating that the high volume of traffic was not unlike a major state route.

Mr. Long produced a map of traffic volume statistics, which was presented to Mr. Paris.

Mr. Paris quipped that the traffic volume was so heavy that the roadway should be declared a state route.

Mr. Bradley and Mr. Paris discussed the L.A.R.C. program with relation to the roadway in question.

Mr. Paris regretfully acknowledged that this particular roadway was not a part of the program.

Mr. Bradley proceeded with the various details and specifications involved with the project concept. Upon arriving at the portion concerning the utilities, he sought out Mr. Oliver's input.

Mr. Oliver related to him that there would be no anticipated problems and he would follow up on this at a later time.

The meeting progressed with project details and general concept discussion by Mr. Bradley up until the question of traffic control and detouring arose.

Mr. Long and Mr. Paris discussed various details, legalities, and special provisions involved within the concept.

It was determined that an old roadbed was in existence on a particular portion of the project which would prove ideal for detouring as long as design parameters permitted.

Mr. Paris noted that the project area was located inside a Tennessee Valley Authority easement area that would need to be addressed with regard to some design details.

Mr. Bradley conveyed to Mr. Paris that local government was responsible for Right of Way acquisition and utility relocation.

Mr. Paris expressed some concerns about this monumental undertaking. Mr. Long assured him that due to the federal aid status of the project, the district Right of way team would be there for aid.

A general resolution was reached concerning the acquisition of Right of Way, and a determination was made not to proceed until a meeting with Kim Byers could be ascertained.

Mr. Paris asked if a temporary bridge would serve as the solution for detouring the traffic volume.

Mr. Bradley affirmed to him that this would indeed be the solution to that problem.

Mr. Paris remarked that a new thoroughfare was slated for construction in the immediate project area and expressed concerns about its impact on the detouring of traffic.

Mr. Long concluded that the temporary detour bridge concept was the most viable unless a completely new structure could be constructed alongside the existing one.

It was determined that these concerns could not be resolved until the survey and design information could be gathered and applied.

The meeting progressed, following the prescribed printed format until the issue of paved shoulders arose.

Mr. Bradley and Mr. Long were in complete agreement on the necessity overriding any potential cost concerns. It was further agreed that for the purposes of safety, that the paved shoulders should be utilized.

Mr. Bradley inquired of Mr. Cantrell about possible concerns at which time he replied that he had none.

Mr. Long said the project would progress quickly with surveying to begin as soon as possible. He also remarked that it would be in the 2003 schedule at the earliest.

The meeting concluded with a general agreement in all areas of the concept.

There were no other major questions or concerns regarding the project, and the meeting was declared absolute and adjourned.

CLOSING TIME: 1:55 pm

NOTICE OF LOCATION AND DESIGN APPROVAL**BRSLB-2915 (5)
Union County
P.I. No. 132180**

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.

This project consists of the replacement of the existing bridge on CR 341 over the Nottely River. 9th District, Section 1, Land Lots 302, 303, 310, and 311

Date of Location and Design Approval: MAY 29, 2001

Drawings or maps or plats of the proposed project as approved are on file and are available for inspection at the Georgia Department of Transportation, 2505 Athens Highway, Gainesville, Ga. Any interested party may obtain a copy of the drawings, maps or plats by writing to the Georgia Department of Transportation, 2502 Athens Highway, S.E., Gainesville, Georgia 30503-1057 and paying a nominal cost therefor.

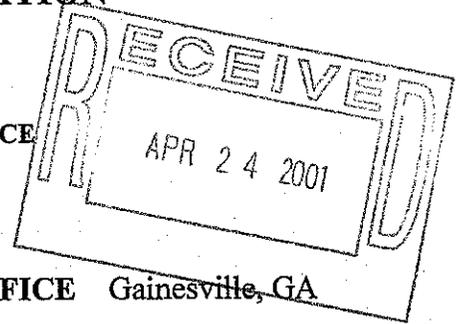
Any written request in reference to this Notice should include the Project and P.I. Numbers as noted at the top of this notice and may be referred to:

Larry E. Dent
District Engineer
Georgia Department of Transportation
P.O. Box 1057
Gainesville, Georgia 30503

770.532.5526

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE



FILE BRSLB-2915 (5), Union County
P.I. NO. 132180-
CR 341 over the Nottely River

OFFICE Gainesville, GA

DATE April 13, 2001

FROM ^{TIL} Todd I. Long, P. E., Assistant District Engineer

TO Wayne Hutto, Assistant Director of Preconstruction

SUBJECT Submittal of Project Concept Report

Attached for your review and further handling is the concept report for the above listed bridge replacement project. The bridge is located 1.4 miles southwest of Blairsville. The project proposes to construct a new bridge over the Nottely River.

If additional information is required, please contact Tony R. Bradley at (770) 532-5580.

TIL:trb

Cc: David Mulling, w/attachment
Harvey Keepler, w/attachment
Marion Waters, w/attachment
Marta Rosen, w/attachment
Herman Griffin, w/attachment
Paul Liles, w/attachment

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

District One

PROJECT CONCEPT REPORT

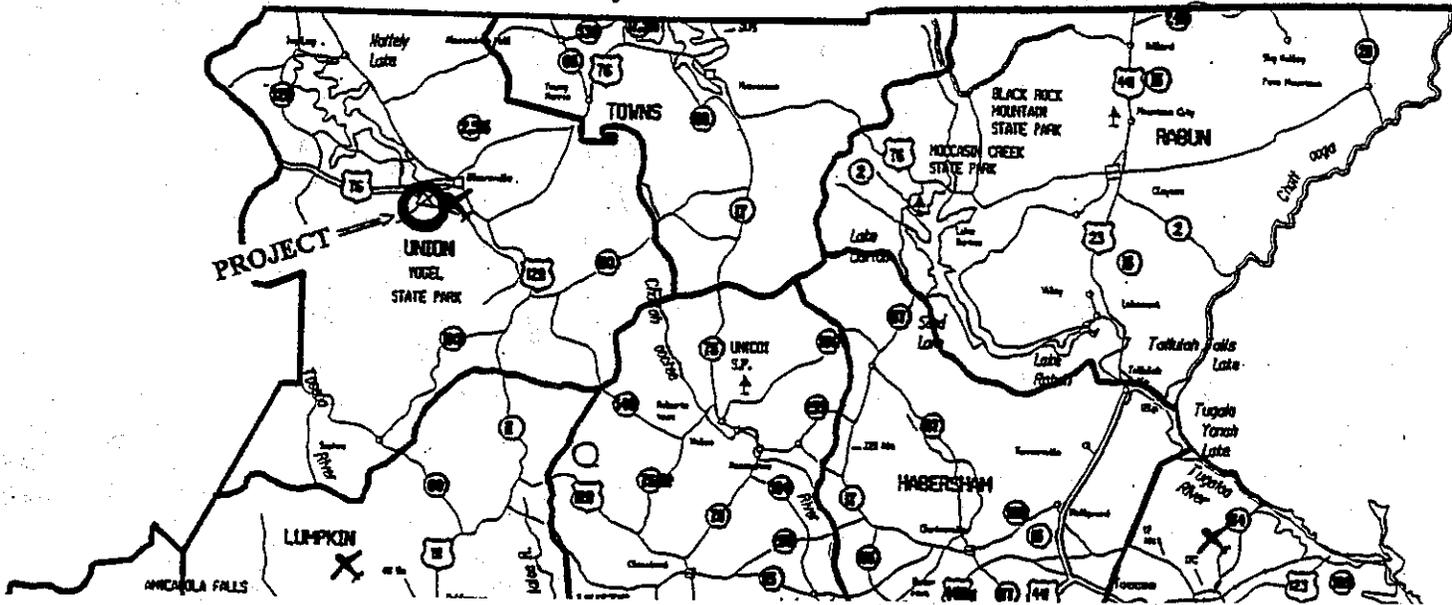
Project Number: BRSLB-2915 (5)

County: UNION

P. I. Number: 132180

Federal Route Number: N/A

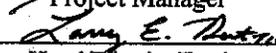
County Route Number: 341



Recommendation for approval:

DATE 4/13/01

DATE 4/13/01


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

DATE _____
DATE _____
DATE _____
DATE _____
DATE _____
DATE _____

State Transportation Planning Administrator

State Transportation Programming Engineer

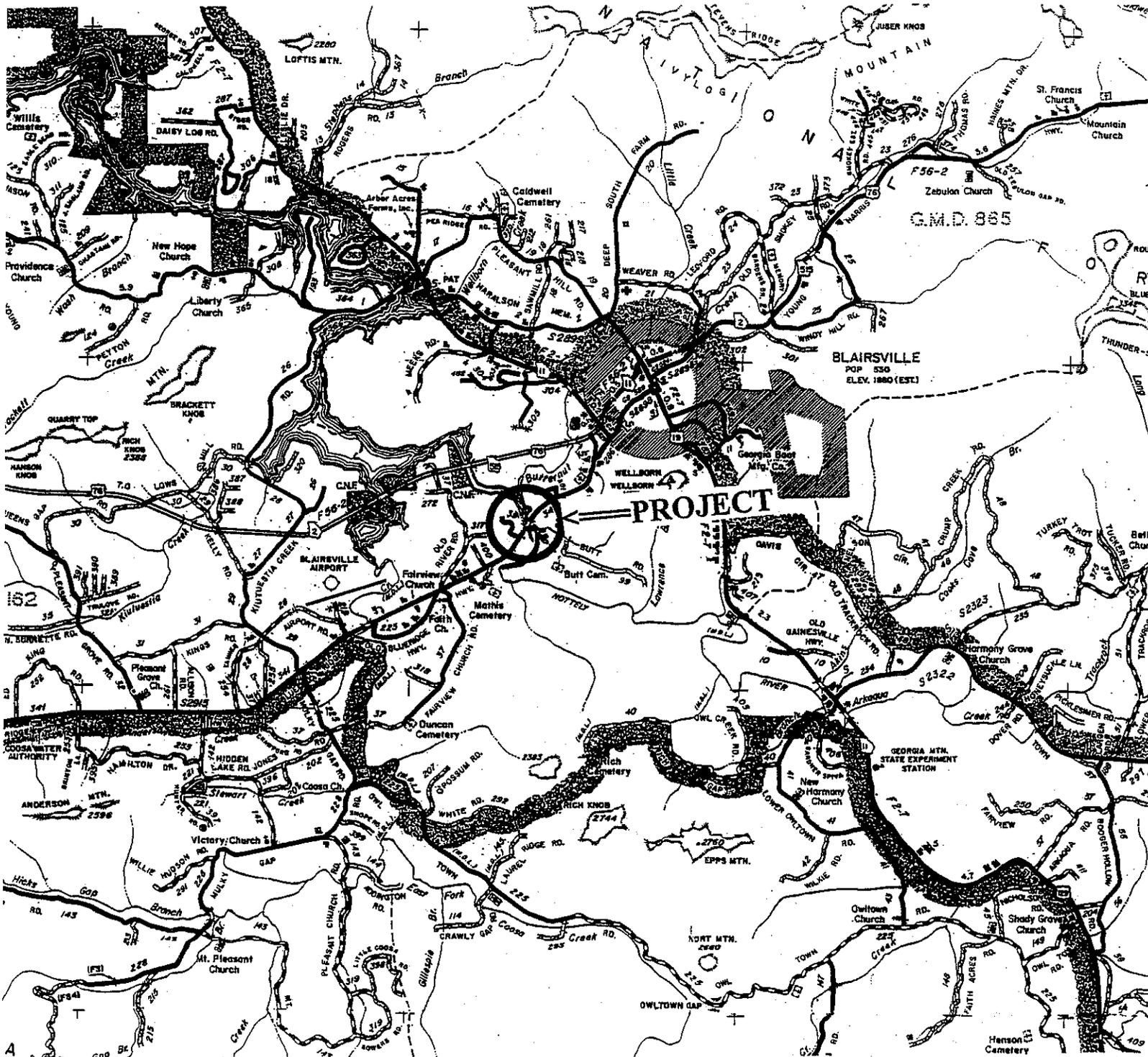
State Environmental/Location Engineer

State Traffic Operations Engineer

Project Review Engineer

State Bridge & Structural Engineer

Project Concept Report page 2
Project Number: BRSLB-2915 (5)
P. I. Number: 132180
County: Union



LOCATION MAP

Project No.: BRSLB-2915 (5), Union County

Project Concept Report page 3
Project Number: BRSLB-2915 (5)
P. I. Number: 132180
County: Union

Need and Purpose: CR 341 is a major connector route from the southern section of Union County to the Blairsville Area. This road serves several residences and many businesses and crosses the Nottely River. The existing bridge has a sufficiency rating of 6.0 and is considered deficient. The Office of Bridge Design has determined that any structure that has a rating of less than 50 should be replaced rather than improved.

Structure ID 291-0005-0/ Location ID 291-00915X-010.07E

Description of the proposed project: Project BRSLB-2915 (5), Union County proposes to replace the existing bridge on CR 341 over the Nottely River. The bridge is located 1.4 miles southwest of Blairsville. The project proposes to construct a new bridge over the Nottely River.

PROJECT LENGTH : 0.24 miles

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

PDP Classification:

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

Functional Classification: Major collector

COUNTY Route Number(s): 341

State Route Number(s): N/A

Traffic (AADT):

Current Year: (2007) 5000 Design Year: (2027) 6400

Existing design features:

- Typical Section: Two lane rural 24' paved roadway.
- Posted speed 45 mph
- Width of right of way: 60 feet
- Major Structure: Concrete bridge deck, concrete bents, steel beam superstructure.
SUFF. RATING: 6.0
LENGTH: 184 feet
WIDTH: 27.7 feet
FEATURE INTERSECTED: Nottely River

Proposed Design Features:

- Proposed typical section(s): Two 12' travel lanes with 10' shoulders (2' paved). Typical Section attached.
- Proposed Design Speed Mainline 45mph
- Proposed Maximum grade Mainline 6%
- Proposed Maximum degree of curve 6.
- Right of way
 - Width: min. 150 feet
 - Easements: Temporary (X), Permanent (), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (X), Other ().
 - Number of parcels: 6 Number of displacements:
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other:
- Structures: The proposed bridge will be 44'-0" wide, consisting of two 12'-0" travel lanes and 10'-0" shoulders. The bridge is proposed to be 200' long.
- Traffic control during construction: Road to remain open.
- 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)

- Environmental concerns:
- UNDERGROUND STORAGE TANKS: None Known
- HAZARDOUS SITES: None Known

Project Concept Report page 5
Project Number: BRSLB-2915 (5)
P. I. Number: 132180
County: Union

- 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: *None know at this time*

Project responsibilities:

- Design, GDOT, District One, Gainesville
- Right of Way Acquisition, LGPA
- Relocation of Utilities, LGPA
- Letting to contract, GDOT, District One, Gainesville
- Supervision of construction, GDOT, District One, Gainesville
- Providing material pits, GDOT, District One, Gainesville
- Providing detours. GDOT, District One, Gainesville

Coordination

- CONCEPT TEAM MEETING DATE: April 11, 2001
- P. A. R. METTING: Not Needed
- FEMA, USCG, and/or TVA – TVA permit possible.
- Local government comments: LGPA for all utility relocations and right of way
- Other projects in the area: PHF-0000-00(848) Union

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 9 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: Months.
- Time to complete final construction plans: 6 Months.
- Time to complete to purchase right of way: 6 Months.

Project Concept Report page 6
Project Number: BRSLB-2915(5)
P. I. Number: 132180
County: Union

Other alternates considered:

1. NO BUILD (Eliminated due to long term maintenance cost)
2. Construct new bridge on same alignment as existing bridge and build detour bridge. (Selected due to cost of detour bridge and high traffic volumes)
3. Close road, demolish existing bridge, and construct new bridge on existing alignment. (Eliminated due to high traffic volumes.)
4. Construct half of new bridge and maintain traffic with a temporary signal. (Eliminated due to high traffic volumes.)

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. Traffic analysis,
5. Bridge inventory,
6. Minutes of Concept meeting,
7. LGPA
8. Location and Design Notice

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: BRSLB-2915(5)

COUNTY: Union

DATE: March 2001

ESTIMATED LETTING DATE: 2003

PREPARED BY: Tony R. Bradley

PROJECT LENGTH: 0.24 Miles

() PROGRAMMING PROCESS (X) CONCEPT DEVELOPMENT () DURING PROJECT DEV.

PROJECT COST		
A. RIGHT-OF-WAY:		LGPA
1. PROPERTY (LAND & EASEMENT)		\$ 60,000
2. DISPLACEMENTS; RES: 0, BUS: 0, M.H.: 0		\$ -
3. OTHER COST (ADM./COST, INFLATION)		\$ -
SUBTOTAL: A		\$ 60,000
B. REIMBURSABLE UTILITIES:		LGPA
1. RAILROAD		\$ -
2. TRANSMISSION LINES		\$ -
3. SERVICES		\$ -
SUBTOTAL: B		\$ -
C. CONSTRUCTION:		
1. MAJOR STRUCTURES		
a. BRIDGES		
Overpasses- Bridge @ Nottely River (44'X200') @ \$70/SF		\$ 616,000
Approach Slab - 290 SY @ \$90/SY		\$ 28,500
SUBTOTAL: C-1.a		\$ 644,500
b. OTHER		
Walls		\$ -
Box Culverts		\$ -
Bridge Culverts (0)		\$ -
SUBTOTAL: C-1.b		\$ -
SUBTOTAL: C-1		\$ 644,500
2. GRADING AND DRAINAGE:		
a. EARTHWORK		
Grading Complete		\$ 75,000
b. DRAINAGE		
1) Cross Drain Pipe		\$ -
2) Curb and Gutter		\$ -
3) Longitudinal System (incl. catch basins)		\$ -
SUBTOTAL: C-2.b		\$ -
SUBTOTAL: C-2		\$ 75,000

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

District One

PROJECT CONCEPT REPORT

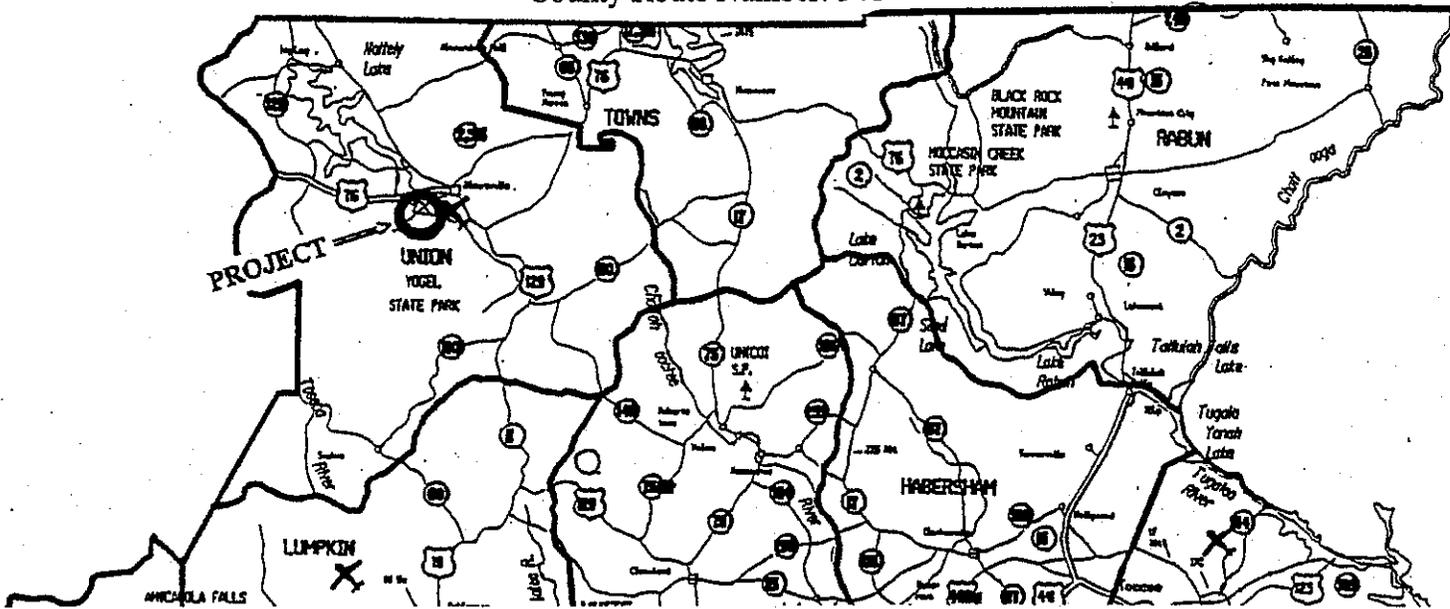
Project Number: BRSLB-2915 (5)

County: UNION

P. I. Number: 132180

Federal Route Number: N/A

County Route Number: 341



Recommendation for approval:

DATE 4/13/01

DATE 4/13/01

[Signature]
Project Manager
[Signature]
Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE 5/1/01

[Signature]
Project Review Engineer

DATE _____

State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

District One

PROJECT CONCEPT REPORT

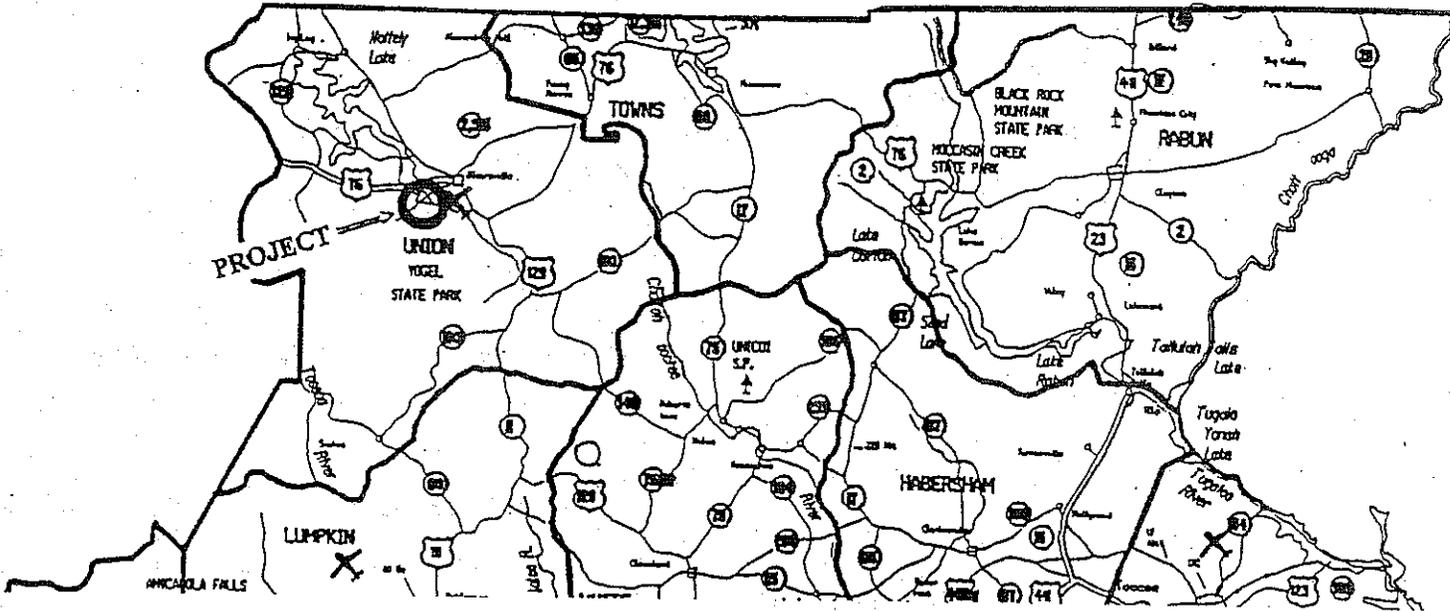
Project Number: BRSLB-2915 (5)

County: UNION

P. I. Number: 132180

Federal Route Number: N/A

County Route Number: 341



Recommendation for approval:

DATE 4/13/01

DATE 4/15/01

[Signature]
Project Manager
[Signature]
Office Head/District Engineer

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

DATE _____

DATE 4/24/01

DATE _____

DATE _____

DATE _____

DATE _____

State Transportation Planning Administrator

[Signature]
State Transportation Programming Engineer

State Environmental/Location Engineer

State Traffic Operations Engineer

Project Review Engineer

State Bridge & Structural Engineer

Proposed Design Features:

- Proposed typical section(s): Two 12' travel lanes with 10' shoulders (2' paved). Typical Section attached.
- Proposed Design Speed Mainline 45mph
- Proposed Maximum grade Mainline 6%
- Proposed Maximum degree of curve 6.
- Right of way
 - Width: min. 150 feet
 - Easements: Temporary (X), Permanent (), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (X), Other ().
 - Number of parcels: 6 Number of displacements:
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: *40'-0" M/S*
- Structures: The proposed bridge will be ~~44'-0"~~ *40'-0" M/S* wide, consisting of two 12'-0" travel lanes and 10'-0" shoulders. The bridge is proposed to be 200' long.
- Traffic control during construction: Road to remain open.
- 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)

- Environmental concerns:
- UNDERGROUND STORAGE TANKS: None Known
- HAZARDOUS SITES: None Known

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BRSLB-2915(5)/Union County
P.I. No. 132180

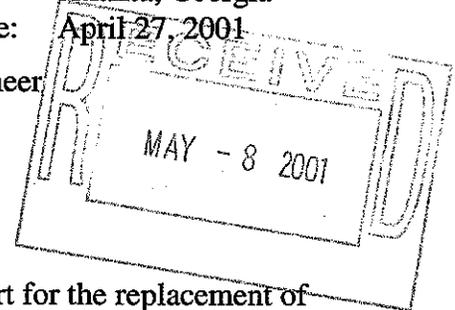
Office: Traffic Operations
Atlanta, Georgia

Date: April 27, 2001

From:  M.G. Waters, III, P.E., State Traffic Operations Engineer

To: Wayne Hutto, Assistant Director of Preconstruction

Subject: Project Concept Report Review



We have reviewed the above referenced concept report for the replacement of the structurally deficient bridge on CR 341 over the Nottely River. This project is located 1.4 miles southwest of Blairsville.

The existing structure is 27.7 feet wide with a sufficiency rating of 6.0. The concept proposes to construct a new structure 44 feet wide for the two-lane roadway. The current ADT is 5000 vehicles with a design year, 2027, ADT estimated at 6400 vehicles. The proposed bridge width is in accordance with MOG 4265-9 for this type of roadway.

We believe this concept will improve safety and traffic operations within this area, therefore find this report satisfactory for approval.

MGW/BM

Attachment (signature page)

Cc: Harvey Keeper, Office of Environmental Location
Larry Dent, District Engineer-Gainesville
Attention: Todd Long, District Preconstruction Engineer
David Mulling, Engineering Services, w/ attachment
Marta Rosen, Office of Planning
Paul Liles, State Bridge & Structural Design Engineer
Chuck Hasty, TMC
General Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

District One

PROJECT CONCEPT REPORT

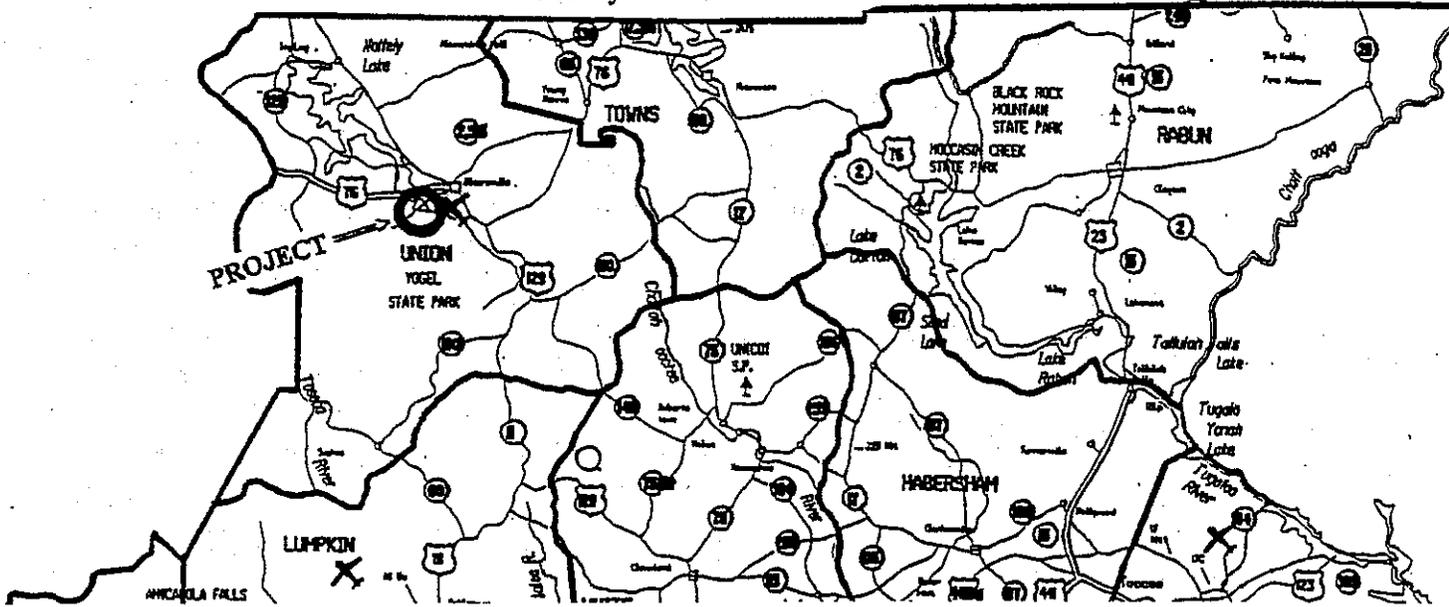
Project Number: BRSLB-2915 (5)

County: UNION

P. I. Number: 132180

Federal Route Number: N/A

County Route Number: 341



Recommendation for approval:

DATE 4/13/01

DATE 4/13/01

[Signature]
Project Manager
[Signature]
Office Head/District Engineer

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

DATE _____	_____
DATE _____	State Transportation Planning Administrator
DATE _____	_____
DATE _____	State Transportation Programming Engineer
DATE <u>4/22/01</u>	_____
DATE _____	State Environmental/Location Engineer
DATE _____	<u>[Signature]</u>
DATE _____	State Traffic Operations Engineer
DATE _____	_____
DATE _____	Project Review Engineer
DATE _____	_____
DATE _____	State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

District One

PROJECT CONCEPT REPORT

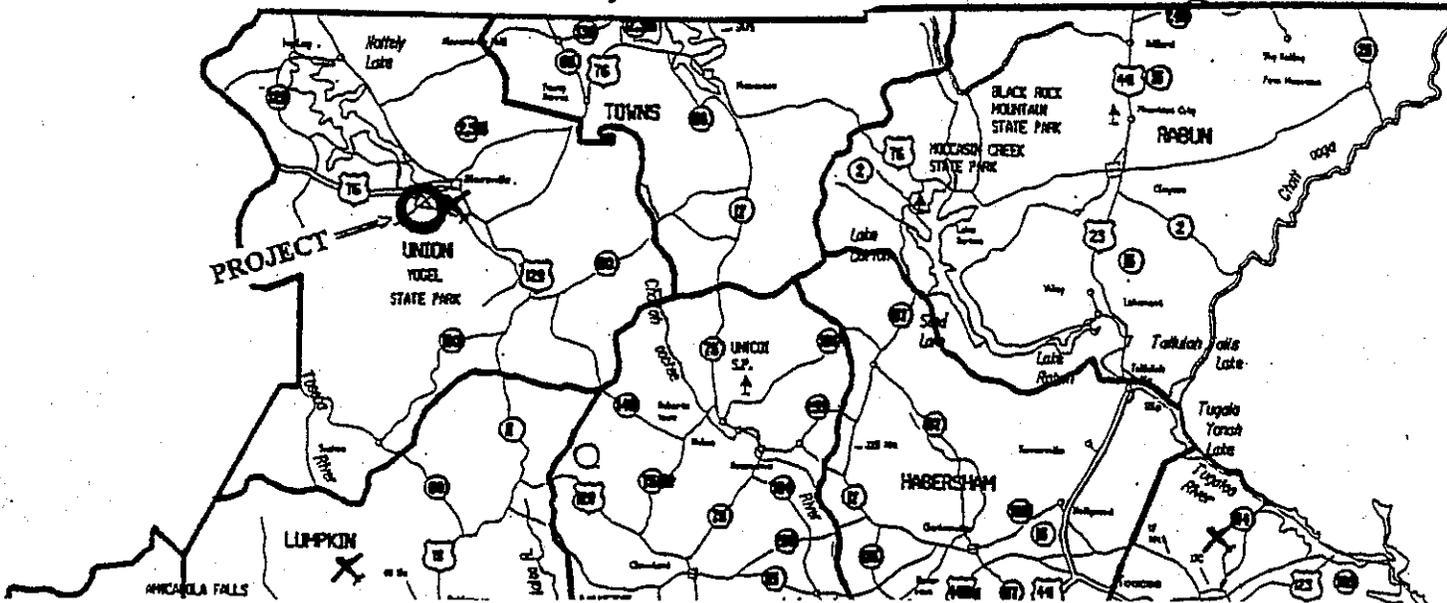
Project Number: BRSLB-2915 (5)

County: UNION

P. I. Number: 132180

Federal Route Number: N/A

County Route Number: 341



Recommendation for approval:

DATE 4/13/01

DATE 4/13/01


Project Manager
Larry E. Rutter
Office Head/District Engineer

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

DATE 4-27-01

DATE _____

DATE _____

DATE _____

DATE _____

DATE _____


State Transportation Planning Administrator

State Transportation Programming Engineer

State Environmental/Location Engineer

State Traffic Operations Engineer

Project Review Engineer

State Bridge & Structural Engineer

MONTH: October, 1990

REQUEST
for
PRE-PROGRAMMING AUTHORIZATION

Dist 1

Authorization is requested to proceed with development of a project concept on the following project:

Project Data

County	Project NO. P.I. No.	Type Work	Description
UNION	BRSLB-2915 (5) 132180	BRIDGE REPLACEMENT	C.R. 341 @ NOTTLEY RIVER 1.4 MI.SW.OF BLAIRSVILLE

FUND1 = 118
FUND2 = TSB

BRIDGE ID# 291-02915F-010.07E

Preliminary Cost Estimate (\$1,000's)	Proposed Fiscal Year	ROW to be Provided by	Cong. Dist.	Field Dist.
ROW CONST \$1,044	1996	LOCALS	9	1

Sufficiency Rating: 6.00

Comments:

To add this project to pre-programming as requested by the State Highway Engineer. Temporarily Shored Bridge.

RECOMMENDED

Deputy Jones
DIRECTOR, DIVISION OF PLANNING AND PROGRAMMING

APPROVED

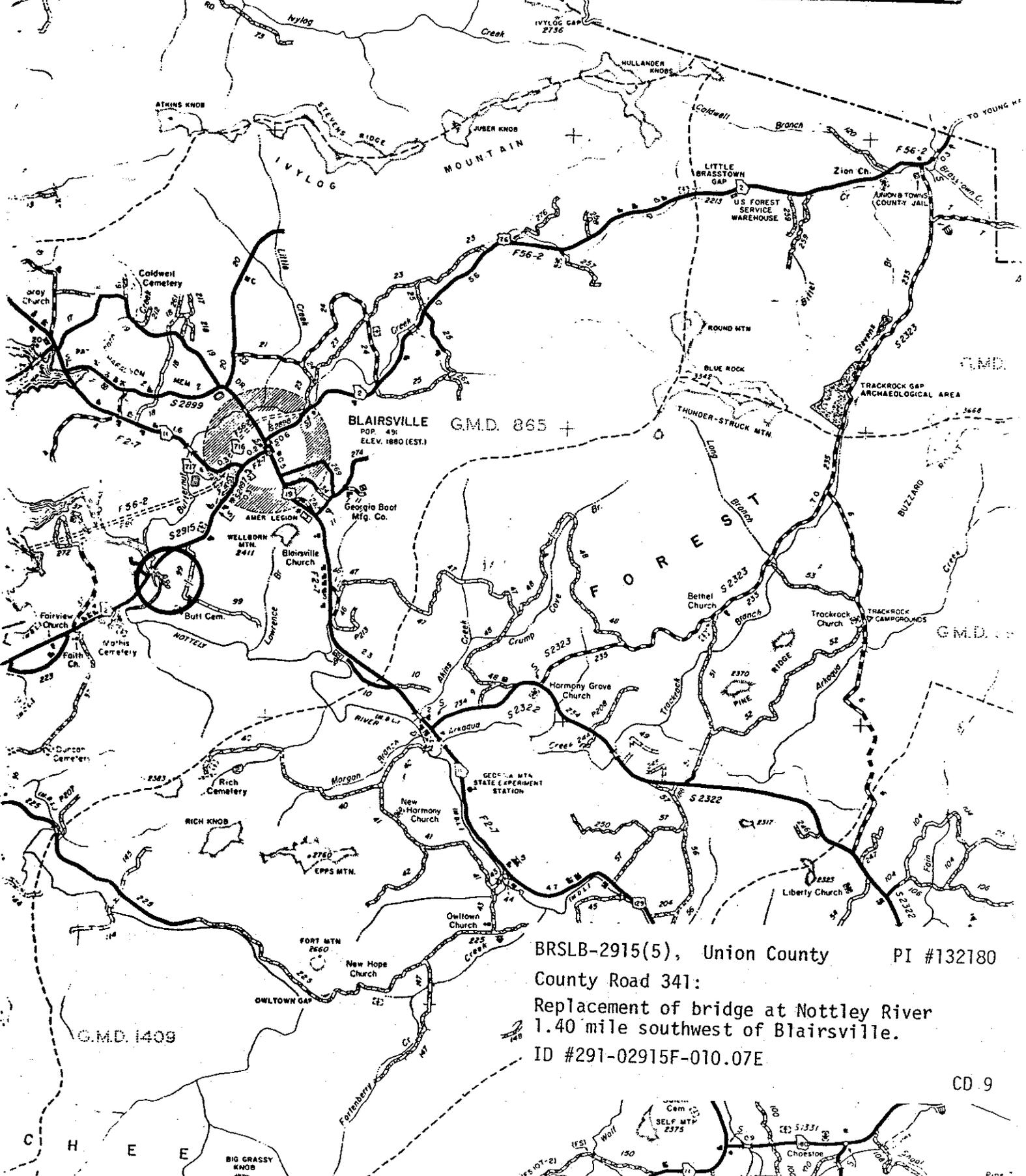
[Signature]
COMMISSIONER

[Handwritten signature]

Union County

291-00002-010.15E

2915 1007



BRSLB-2915(5), Union County PI #132180
 County Road 341:
 Replacement of bridge at Nottley River
 1.40 mile southwest of Blairsville.
 ID #291-02915F-010.07E

C H E E

BIG GRASSY KNOB

