





**Walter, Tracy A**

---

**From:** Beaver, G Trent  
**Sent:** Tuesday, November 09, 2010 8:53 AM  
**To:** Walter, Tracy A  
**Subject:** RE: FS-0711B

You can call my desk number which is 336-903-9117.

Thanks,

Trent

-----Original Message-----

**From:** Walter, Tracy A  
**Sent:** Tuesday, November 09, 2010 8:51 AM  
**To:** Beaver, G Trent  
**Subject:** RE: FS-0711B

I'll give you a call right before the meeting begins. Is there a specific number you want me to call or just call the switchboard and ask you you?

Tracy

-----Original Message-----

**From:** Beaver, G Trent  
**Sent:** Tuesday, November 09, 2010 8:46 AM  
**To:** Walter, Tracy A  
**Subject:** FS-0711B

Tracy,

Do we need to call in for the meeting this afternoon at 2:30 PM or will someone call us?

Thanks,

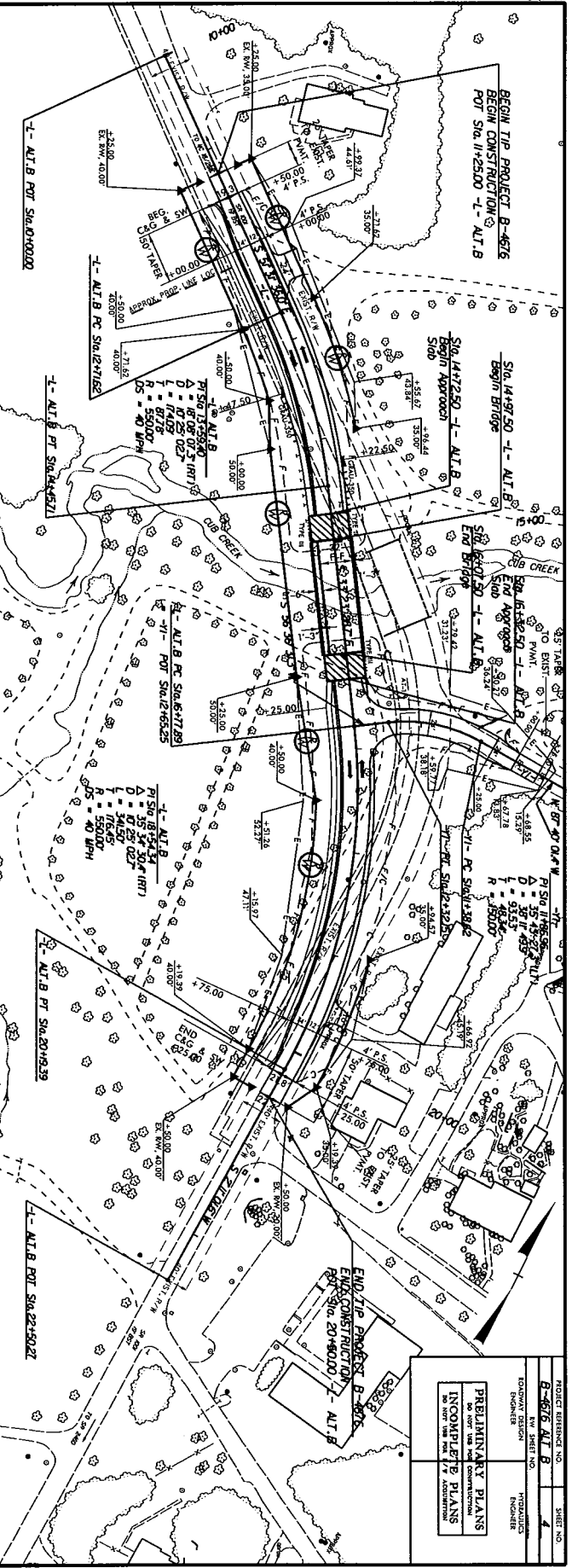
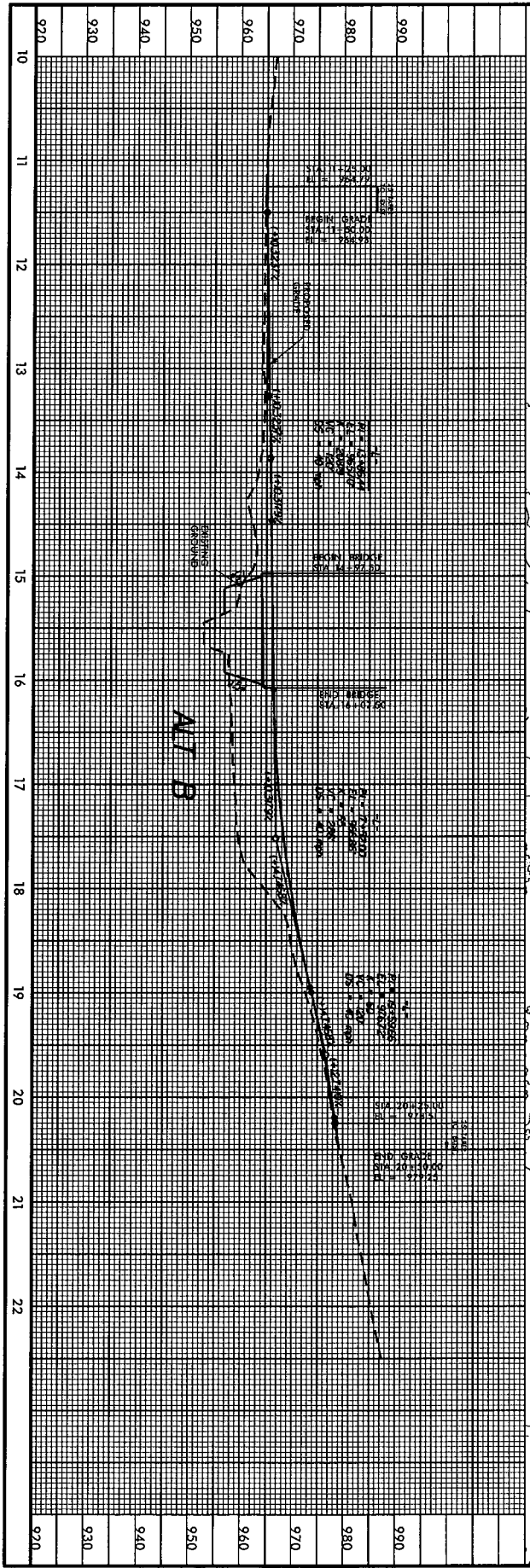
Trent

Email correspondence to and from this sender is subject to the N.C. Public Records Law and may be disclosed to third parties.









PROJECT REFERENCE NO.	B-4676 ALTB
SHEET NO.	4
DESIGNER	INTEGRATED ENGINEERS
DATE	8/17/99
SCALE	AS SHOWN
PROJECT NAME	ALTB
PROJECT LOCATION	ALTB
PROJECT STATUS	PRELIMINARY PLANS
PROJECT OWNER	INTEGRATED ENGINEERS
PROJECT NO.	B-4676 ALTB
PROJECT DATE	8/17/99
PROJECT SCALE	AS SHOWN
PROJECT STATUS	PRELIMINARY PLANS
PROJECT OWNER	INTEGRATED ENGINEERS







North Carolina Department of Environment and Natural Resources  
Division of Coastal Management

Beverly Eaves Perdue  
Governor

James H. Gregson  
Director

Dee Freeman  
Secretary

October 19, 2010

Waverly W. Gregory, Jr., Chief  
Bridge Administration Branch  
US Coast Guard, Fifth Coast Guard District  
Federal Building  
431 Crawford Street  
Portsmouth, VA 23704-5004

SUBJECT: USCG Public Notice 5-1200, Bridge Replacement, US 70 at North River, Beaufort and Carteret Counties, North Carolina (DCM#20100136)

Dear Mr. Gregory:

We received the US Coast Guard's (USCG) Public Notice 5-1200 concerning the proposed replacement of the existing US 70 bridge over the North River in Beaufort and Carteret Counties North Carolina by the North Carolina Department of Transportation (NCDOT). According to the USCG public notice the replacement bridge would be similar in length and width along a new alignment immediately to the north of the existing structure. The NCDOT TIP number for this project is B-4722.

In terms of the consistency review process, this proposed project will require a CAMA permit. Receiving a CAMA permit would be functionally equivalent to the NCDOT receiving a consistency concurrence. Consequently, the USCG is encouraged not to issue its final authorization for the proposed project until the CAMA permit is issued. Furthermore, we encourage the USCG to incorporate into its authorization, the conditions of approval contained in the CAMA permit should there be any.

The public notice specifically requested information from the "*standpoint of navigation*". While navigation is an important consideration, there are other environmental concerns that we would encourage the USCG to consider in its upcoming review of the proposed project. Attached is a copy of a letter from the Division of Coastal Management to the NCDOT identifying the environmental concerns that should be considered with the replacement bridge. Of specific concern is the restoration of the natural hydrology and public access (boat launching). Thank you for your consideration of the North Carolina Coastal Management Program.

Sincerely,

Stephen Rynas, AICP  
Federal Consistency Coordinator

Cc: Doug Huggett, Division of Coastal Management  
Ted Tyndall, Division of Coastal Management  
Steve Sollod, Division of Coastal Management

400 Commerce Ave., Morehead City, NC 28557-3421  
Phone: 252-808-2808 \ FAX: 252-247-3330 Internet: [www.nccoastalmanagement.net](http://www.nccoastalmanagement.net)

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One  
North Carolina  
*Naturally*



North Carolina Department of Environment and Natural Resources  
Division of Coastal Management

Beverly Eaves Perdue  
Governor

James H. Gregson  
Director

Dee Freeman  
Secretary

May 5, 2009

Mr. Hank Schwab  
Project Development and Environmental Analysis Branch  
NC Department of Transportation  
1598 Mail Service Center  
Raleigh, North Carolina 27699-1551

RE: Replacement of Bridge No. 33 on US 70 over North River, Carteret County, B-4722.

Dear Mr. Schwab:

The NC Division of Coastal Management (DCM) received the scoping letter, dated April 15, 2009, for the replacement of Bridge No. 33 on US 70 over North River, Carteret County. We appreciate NCDOT's early coordination with DCM to provide information relevant to the potential permitting of the proposed project by our agency.

Based on the information provided in the scoping letter and site reconnaissance by DCM's Transportation Field Representative for NCDOT's Divisions 2 and 3, Areas of Environmental Concern (AECs) will be impacted by the project and a Coastal Area Management Act (CAMA) Major Development Permit will be required.

The existing causeway is highly utilized by the public for access to the North River. The western causeway is used as a primary boat launching site by commercial oystermen in the winter months and by kayakers, canoeists, and sunbathers during the typical boating season. During the summer months the ends of the causeways are also used by fishermen.

The restoration of the natural hydrology of the North River by removal of a portion of the existing causeway would be desirable. However, any causeway removal should be accomplished in such a way as to allow the continued historic use by the public to access the river.


The existing low bridge height currently impairs navigation, as during high tides the bridge height limits passage to only relatively small boats. Raising the clearance height of the bridge would allow much greater access by the boating public.

NCDOT is encouraged to coordinate with DCM during the project development process to determine the appropriate permitting requirements for the project. DCM recommends that the issues associated with; the traditional public access, potential removal of a portion of the existing causeway, bridge height, AEC

impacts, and the CAMA permitting requirements for the project be addressed in the Categorical Exclusion (CE) document.

If you have any questions or concerns, please contact me at (919) 733-2293 x 230, or via e-mail at [steve.sollod@ncdenr.gov](mailto:steve.sollod@ncdenr.gov). Thank you for your consideration of the North Carolina Coastal Management Program.

Sincerely,



Steven D. Sollod  
Transportation Project Coordinator

cc: Mr. Doug Huggett, DCM  
Mr. Stephen Lane, DCM  
Mr. Chris Rivenbark, NCDOT



## Walter, Tracy A

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**Subject:** STIP Project B-4676; Replacement of Bridge No. 29 on SR 1001 over Cub Creek in Wilkes County  
**Location:** Roadway Design Training Conference Room  
**Start:** Tue 11/9/2010 2:30 PM  
**End:** Tue 11/9/2010 3:30 PM  
**Recurrence:** (none)  
**Meeting Status:** Meeting organizer  
**Required Attendees:** ✓ Walter, Tracy A; ✓ Beaver, G Trent; ✓ Bailey, Mack; ✓ Klappenbach, Bruce; ✓ Watson, Malcolm C; Hamidi, K. Zak; Taylor, Bryan D; ✓ Chang, David S; ✓ Kruchar, Bryan; ✓ Cheely, Erin K  
**Optional Attendees:** ✓ Pettyjohn, Michael A; ✓ Farr, Terry E     *Jay Mizdale*     *Mike Rindley*  
*Rory Lovengood*

In 2007 this project was set aside to allow time for a Feasibility Study of SR 1001 in anticipation of additional lanes being required in the future. The Draft Feasibility has been distributed for review and the final is anticipated to be available before the end of the year. The recommended alternative from the FS is a 4 lane divided section.

Funding for the widening of SR 1001 is not available at this time. Since the existing structure will require replacing before funding is expected to be available, we would like to proceed with the bridge replacement project. This meeting is to discuss the project up to this point, the proposal in the Feasibility Study, and how to accommodate the future section with our bridge design.



FS-0711B Draft.pdf  
(40 KB)



FS-0711B  
ocationDraft.pdf (16



FS-0711B 2 on 4  
dgn.pdf (3 MB)...



FS-0711B 4 dgn.pdf  
(3 MB)

This project was originally being done by Wang Engineering, but their contract has been closed. Therefore, we will be completing this project in-house in PDEA. Please let me know if there is other information I can provide for the meeting.

Thanks  
Tracy

Mike & Trent: if you are unable to attend we would be happy to call.



**FEASIBILITY STUDY**

**Town Of Wilkesboro  
Widen SR 1001 (Oakwoods Road)  
From US 421 Bypass  
To NC 18-268 (Main Street)**

**Wilkes County**

**Division 11**

**FS-0711B**



**Prepared by the  
Program Development Branch  
N. C. Department of Transportation**

\_\_\_\_\_  
**R. N. Prince  
Feasibility Studies Engineer**

\_\_\_\_\_  
**Derrick W. Lewis, P.E.  
Feasibility Studies Unit Head**

\_\_\_\_\_  
**Date**

Town of Wilkesboro  
Widen SR 1001 (Oakwoods Road)  
From US 421 Bypass  
To NC 18-268 (Main Street),  
Wilkes County.

FS-0711B

## I. General Description

This feasibility study describes the operational and safety improvements to SR 1001 (Oakwoods Road) from US 421 to NC 18/268/SR 2510 (East Main Street), a distance of approximately 1.3-miles. The project location is shown on the Location Map. As part of the study, two (2) different cross-sections were considered, the details of which are as follows:

- ◆ **Alternative 1:** Two-lane section constructed asymmetrically on 130-feet of right of way sufficient for an ultimate 4-lane section. The proposed facility is approximately 32-foot wide with a 14-foot wide travel lane, sidewalks and curb and gutter on the western side, while the eastern side is a shoulder section with a 12-foot travel lane with a 4-foot paved shoulder. (Please see Figure 1).
- ◆ **Alternative 2:** Four-lane divided curb and gutter section, 79 feet wide face-to-face of curbs with a 23-foot raised grass median, consisting of 12-foot inside lanes and 14-foot outside lanes on 130-feet of right-of-way. The alignment will be symmetrical about the centerline except for some proposed realignments and bridge replacement with sidewalk on both sides. (Please see Figure 2).

This is the initial step in the planning and design process for this project and is not the product of exhaustive environmental or design investigations. The purpose of this study is to describe the proposed project including cost, and to identify potential problems that may require consideration in the planning and design phases.

## II. Background

The purpose of this project is to improve the safety carrying capacity as well as provide accommodations for pedestrian and bicyclist connectivity in the area including the Wilkesboro Cub Creek Park located within the project corridor.

SR 1001 (Oakwoods Road) is classified as an Urban local route in the North Carolina functional classification system and a Major Thoroughfare in the city Municipal Thoroughfare Plan.



The development along SR 1001 (Oakwoods Road) is primarily residential with some commercial property and Cub Creek Park.

There is one bridge located on this project, Bridge No. 29. TIP Project B-4676 proposes to replace bridge no. 29 over Cub Creek in Wilkes County; however, due to this feasibility request for the widening of SR 1001, with some realignment, it was put on hold.

The Town of Wilkesboro and Division 11 Engineer support this project.

TIP project B-4676 proposes to replace Bridge No. 29 over Cub Creek. We recommend this project be coordinated in such a manner as not to preclude the future widening of SR 1001 as proposed in this study.

### III. Traffic and Safety

There is one existing traffic signal within the project limits, located at the intersection of SR 1001 (Oakwoods Road) and US 18/268/SR 2510 (E. Main Street).

The current year Average Daily Traffic (ADT) along SR 1001 (Oakwoods Road) between US 421 and NC 18/268 is 11,300 vehicles per day (vpd) in 2010 and is projected to be 17,400 vpd in the 2035 Design Year (DY). Truck traffic along Oakwood Road is estimated to be up to 3% of the ADT.

The existing two-lane sections on Oakwood Road currently operate at a LOS D or better. If no improvements are made, Oakwood Road will degrade to an Level of Service (LOS) F by the 2035 design year. However, if the recommended 4-lane improvements are implemented, Oakwood Road will operate at a LOS C or better in the 2035 design year.

Between July, 2007 and June, 2010, 19 accidents occurred within the project limits. There were 3 injury accidents, 16 property damage only accidents and no fatalities as a result of these incidents. The accident rate for this 1.3-mile portion of roadway is 238.35 crashes per 100 million vehicle miles of travel (acc/100mvm), which is lower than the 2005-2007 statewide rate of 369.89 crashes/100mvm for two-lane undivided rural secondary routes. However, of the 19 crashes, 6 of these were recorded under wet conditions. This resulted in a wet crash rate in the project area of 74.32 crashes per 100 million vehicle miles of travel (acc/100mvm), which is higher than the statewide wet crash rate of 56.05 acc/100mvm, but still less than the wet Critical Crash rate of 105.60 acc/100mvm.

The above average wet accident rate suggest there might be safety and operational deficiencies along this particular section; however, with the proposed improvements it is anticipated the number and severity of these types of crashes will be reduced.

#### IV. Description of Alternatives

It is proposed to improve Oakwoods Road (SR 1001) from US 421 Bypass to East Main Street (NC 18/268/SR 2510), a distance of approximately 1.3-miles. The project location is shown on Location Map. There are two (2) alternatives in this study.

The cost estimates below include removal and replacement of Bridge No. 29 and the extension of Call Street on the eastern side of the project.

The details of the proposed Alternatives are as follows:

- ◆ **Alternative 1:** Widening of SR 1001 (Oakwoods Road) from US 421 Bypass to NC 18/268/SR 2510 (East Main Street) to a two-lane section asymmetrically placed within 130-foot of right of way for an ultimate 4 lane divided curb and gutter section. The proposed cross section is approximately 32-foot of pavement with a 14-foot wide travel lane, sidewalk and curb and gutter on the western side, while the eastern side is a shoulder section with a 12-foot travel lane with a 4-foot paved shoulder.

Turn-lanes:

- Left-turn-lane from SR 1001 traveling west onto Call Street.
- Left-turn-lane from SR 1001 traveling east onto Call Street Extension.
- Right-turn-lane from Forest Hill Drive (South of Stratford Road) onto SR 1001.
- Right-turn-lane from Edgewood Drive onto SR 1001.
- Left-turn-lane from SR 1001 onto Edgewood Drive.
- Left-turn-lane from SR1001 onto US 18/268.
- Right-turn-lane from SR1001 onto SR 2510.
- Right-turn-lane from NC 18/268 onto SR 1001.
- Extension of Call Street eastward.

Under the proposed improvements for Alternative 1 it is anticipated there will be three (3) residential and six (6) business relocations. The total cost of this alternative is estimated to be \$13,700,000.

Construction	\$8,100,000
Right-of-Way	\$4,800,000
Utilities	\$800,000
<b>Estimated Project Cost</b>	<b>\$13,700,000</b>

- ◆ **Alternative 2:** Widening of SR 1001 (Oakwood Road) from US 421 Byp. to NC 18/268/SR 2510 (East Main Street) to a four-lane divided curb and gutter section, 79-feet wide face-to-face of curbs with a 23-foot raised grass median, consisting of 12-foot inside lanes and 14-foot outside lanes on 130-feet of right-of-way, with sidewalks on both sides.

Turn-lanes:

- Left-turn-lane from SR 1001 traveling west onto Call Street.
- Right-turn-lane from SR 1001 traveling east onto Call Street extension.
- Left-turn-lane southward from SR 1001 onto Call Street extension.
- Left-turn-lane from Forest Hill Drive (South of Stratford Road) onto SR 1001.
- Right-turn-lane from SR 1001 onto Forest Hill Drive (South of Stratford Road).
- Left-turn-lane from SR 1001 onto Forest Hill Drive (South of Stratford Road).
- Left-turn-lane from Edgewood Drive onto SR 1001.
- Left-turn-lane traveling south from SR 1001 onto Edgewood Drive.
- Right-turn-lane from SR1001 onto SR 2510.
- Extension of Call Street eastward.

Under the Alternative 2 proposal, it is anticipated there will be three (3) residences and six (6) businesses relocated. The total cost of this alternative is estimated to be \$16,300,000.

Construction	\$10,700,000
Right-of-Way	\$4,800,000
Utilities	\$800,000
<b>Estimated Project Cost</b>	<b>\$16,300,000</b>

## V. Community Issues

A detailed investigation of community issues was not conducted for this feasibility study. However; minimum impacts to schools, parks, recreation areas (Club Creek Park) and community facilities are anticipated with this project.

There is a significant pedestrian population that uses the Oakwoods Road corridor due to the Cub Creek Park were 2-feet added to the outside lanes to accommodate bicyclist.

Lutheran Church of the Atonement is located between Sunset Drive and Forest Hill Drive south of Edgewood Drive on SR 1001.

## **VI. Natural and Environmental Issues**

A detailed environmental study was not conducted for this feasibility study. However, existing information available for this project area has been screened for environmental and historic concerns. Minimum environmental and historic impacts are anticipated.

There is no indication of threatened or endangered species in the area based on available GIS data maintained by the National Heritage program.

## **VII. Summary**

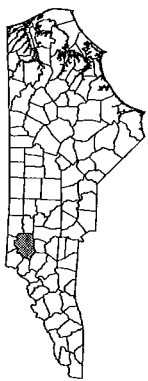
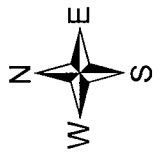
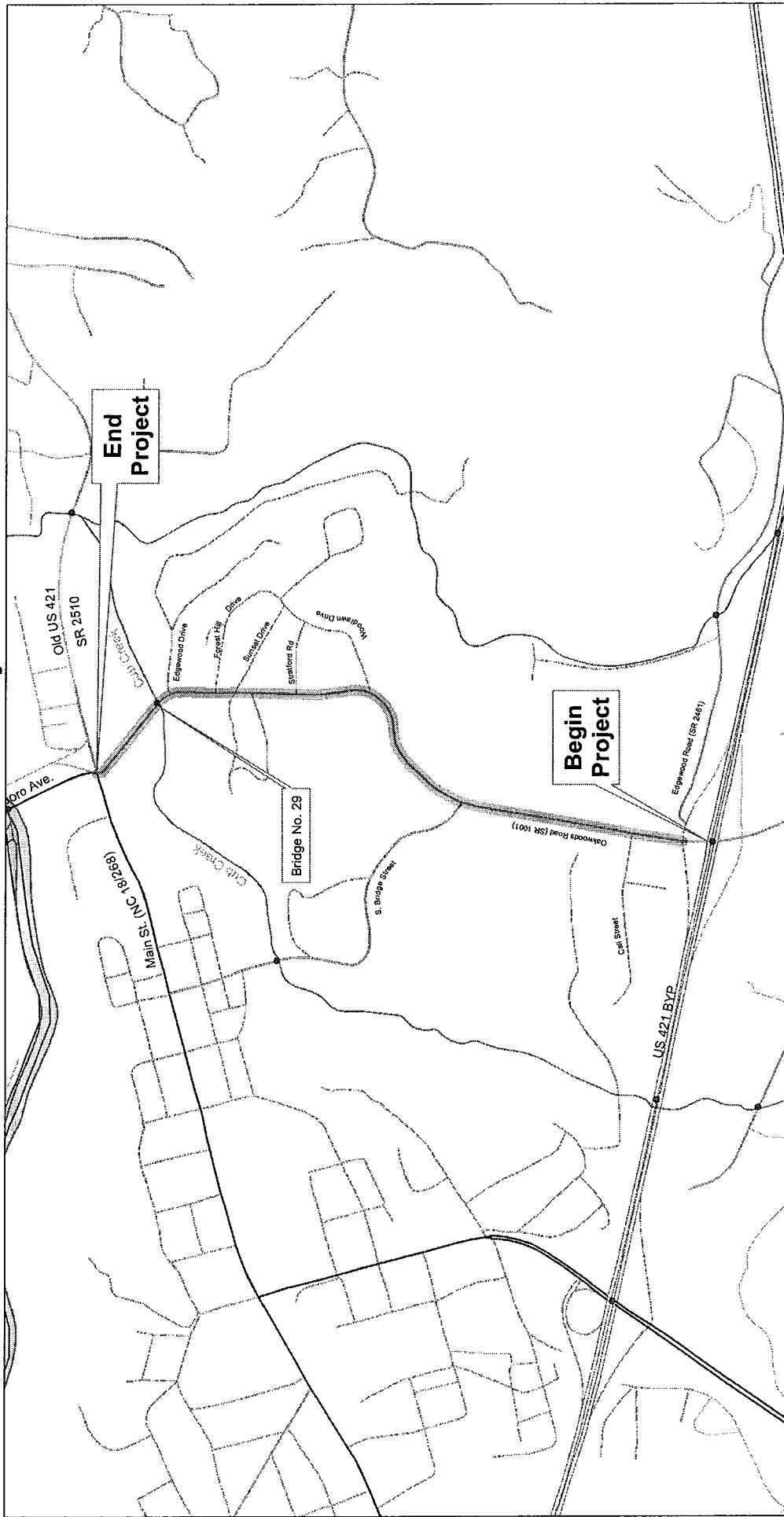
**Alternative 1:** It was determined the two-lane would be operating at a LOS "D" in the current year and not able to accommodate the project's traffic volumes in the 2035 design year. Therefore, a two-lane section on a four-lane right-of-way is not considered a long term solution. The appropriate auxiliary turn lanes should be provided as well as improvements to the horizontal alignment along some sections of SR 1001 and the replacement of Bridge No. 29 (B-4676), also the extension of Call Street from the existing Call Street to Edgewood Road. Because of these factors, Alternative #1 would be considered an interim solution for the proposed SR 1001 widening.

**Alternative 2:** This section is recommended because it will accommodate the growing traffic demands of the areas projected traffic volume in the 2035 design year. It would also accommodate the anticipated growth of residential and commercial development as well as provide infrastructure for pedestrian and bicycles to the Cub Creek Park. This alternative proposes to upgrade Oakwood Road from US 421 Byp. to US 18/268/SR 2510 to a four-lane divided curb and gutter section, 79-foot wide face-to-face of curbs with a 23-foot raised grass median, consisting of 12-foot inside lanes and 14-foot outside lanes on 130-feet of right-of-way. This alternative also improves the horizontal alignment along some sections of SR 1001. In addition to providing a positive separation between traffic, the raised grass median will provide a refuge for pedestrians. The estimated cost of the recommended alignment is \$15,900,000.

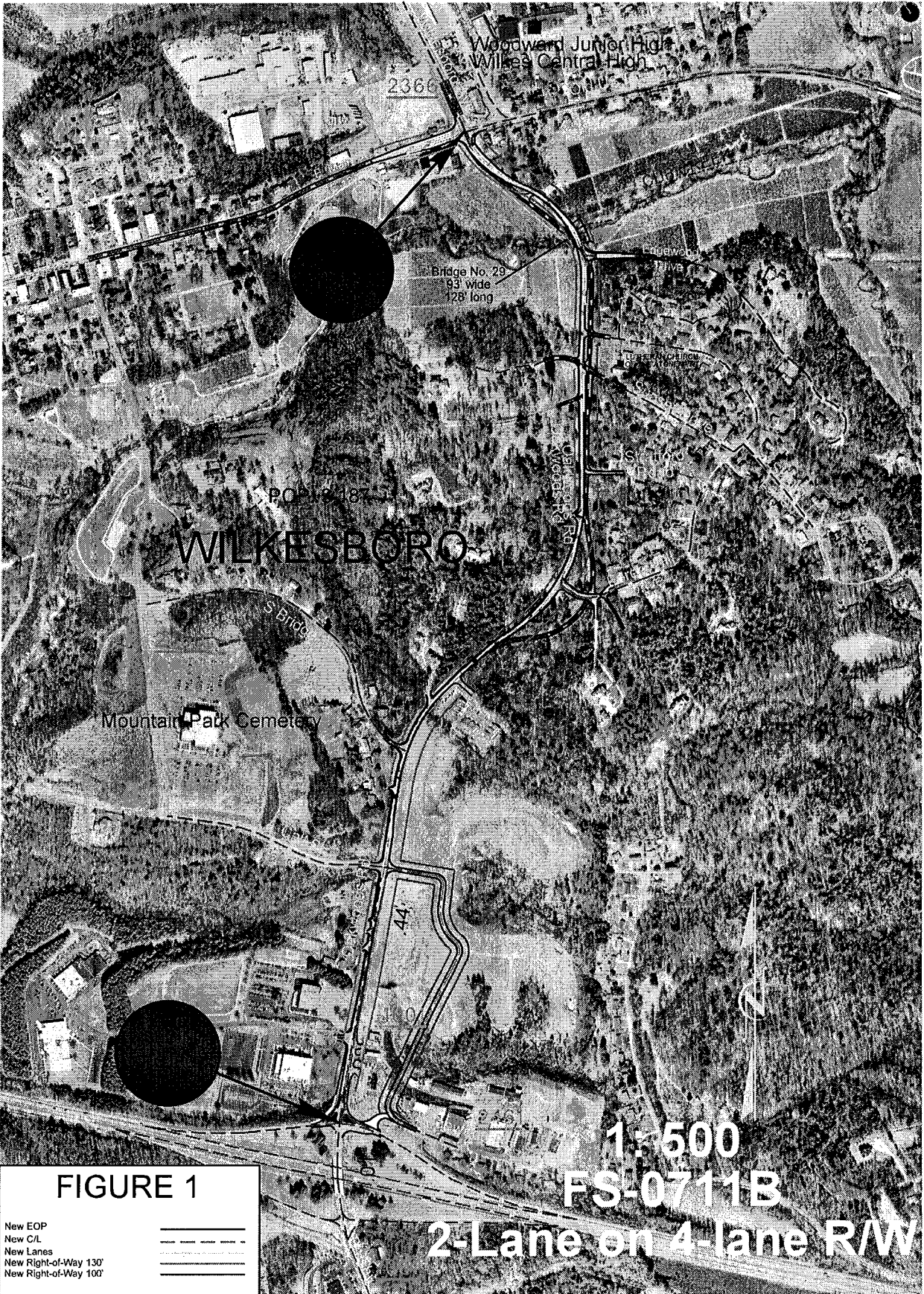
## **VIII. Additional Comments**

There is a church (Lutheran Church, The Atonement) located at the intersection of Oakwood Road and Forest Hill Drive, however minimum impact is anticipated.

**FS-0711B**  
**SR 1001 (Oakwoods Road), Wilkesboro**  
**Wilkes County**







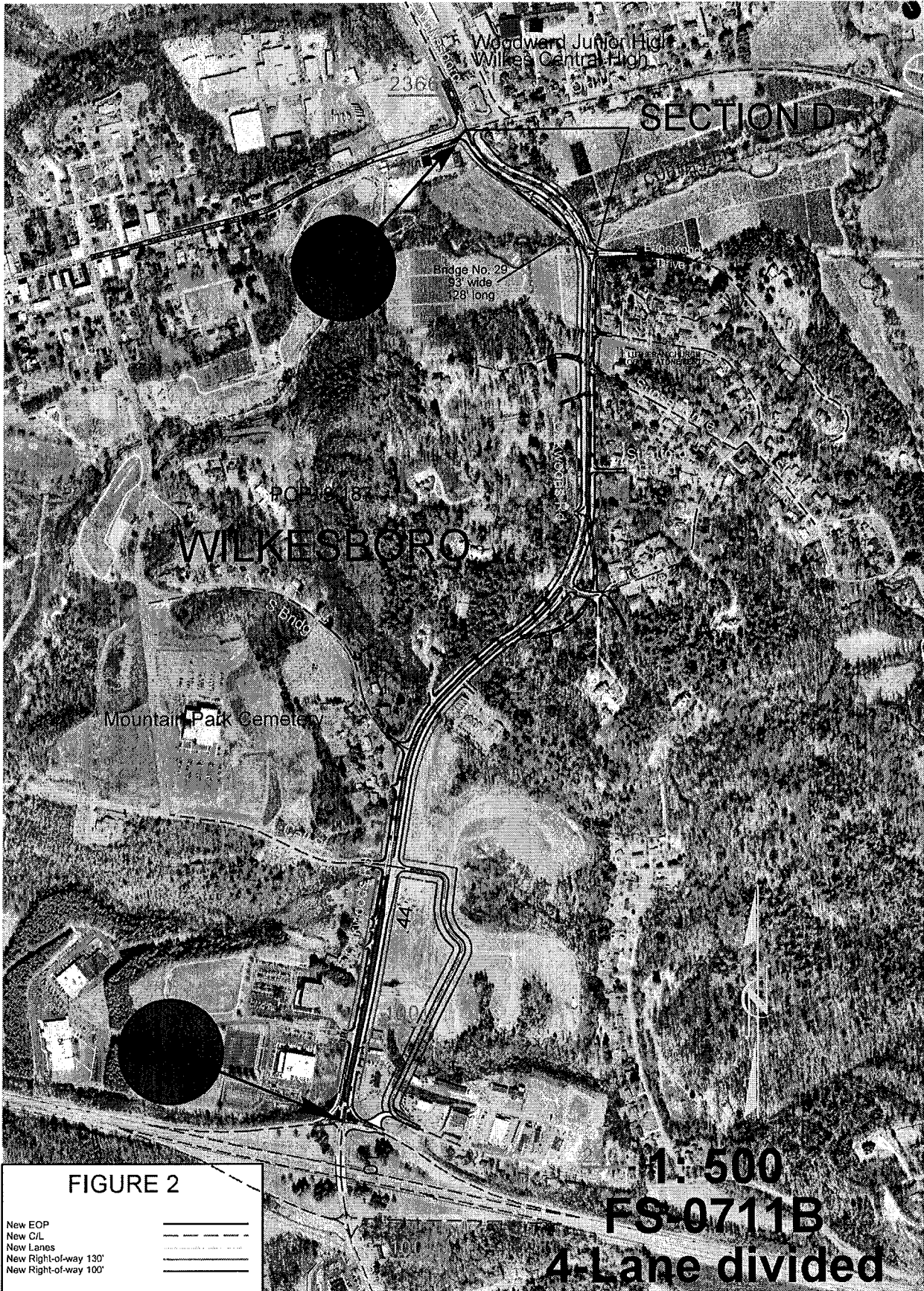
**FIGURE 1**

New EOP	
New C/L	
New Lanes	
New Right-of-Way 130'	
New Right-of-Way 100'	

1:500  
 FS-0711B  
 2-Lane on 4-lane R/W







SECTION D

Woodward Junior High  
Wilkes Central High

2366

Bridge No. 29  
93' wide  
128' long

POB 87-54

WILKESBORO

Mountain Park Cemetery

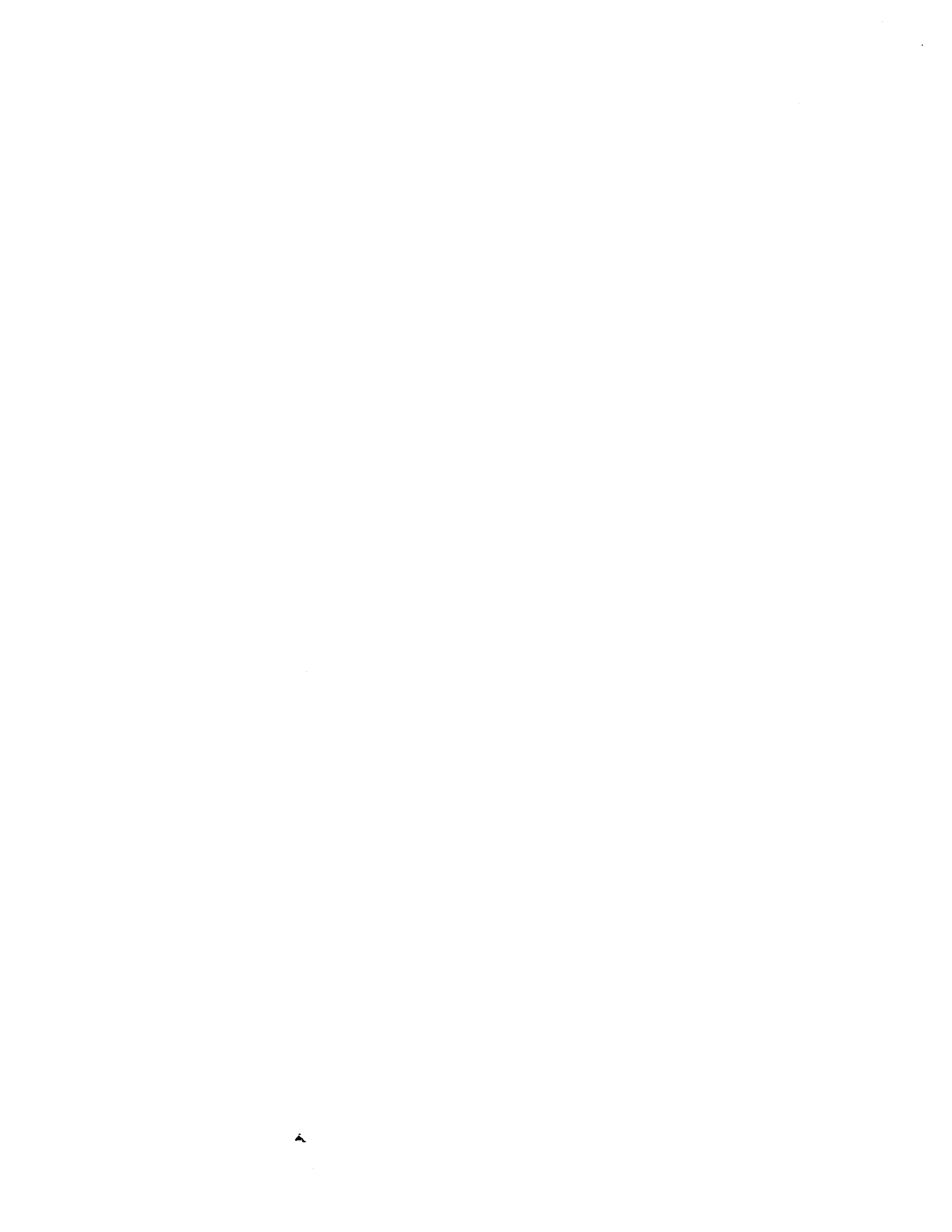
S. Broad

44'

FIGURE 2

New EOP	———
New C/L	———
New Lanes	———
New Right-of-way 130'	———
New Right-of-way 100'	———

1:500  
FS-0711B  
4-Lane divided





NC DEPARTMENT OF TRANSPORTATION ATTENTION  
 DIVISION OF HIGHWAYS  
 BRIDGE MANAGEMENT UNIT

# BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY WILKES BRIDGE NUMBER 960029 INSPECTION CYCLE 2 YRS  
 ROUTE SR1001 ACROSS CUB CREEK M.P. 0

LOCATION .15 MI.S.JCT.NC18,NC268

SUPERSTRUCTURE PRESTRESSED CONC.CHANNEL (STD.BMD-13)

SUBSTRUCTURE E.BTS.&INT.BTS:PPC CAPS/TIMBER PILES @ 5'-8 CENTERS

SPANS 1 @ 25'-4; 1 @ 30'; 1 @ 25'

LONGITUDE 81° 8' 27.9"

LATITUDE 36° 9' 5.4"

PRESENT CONDITION POOR

INVENTORY RATING \_\_\_\_\_

INSPECTION DATE 04/22/2009

OPERATING RATING \_\_\_\_\_

PRESENT POSTING SV 26 TTST 29 SV 25 TTST 28

PROPOSED POSTING \_\_\_\_\_

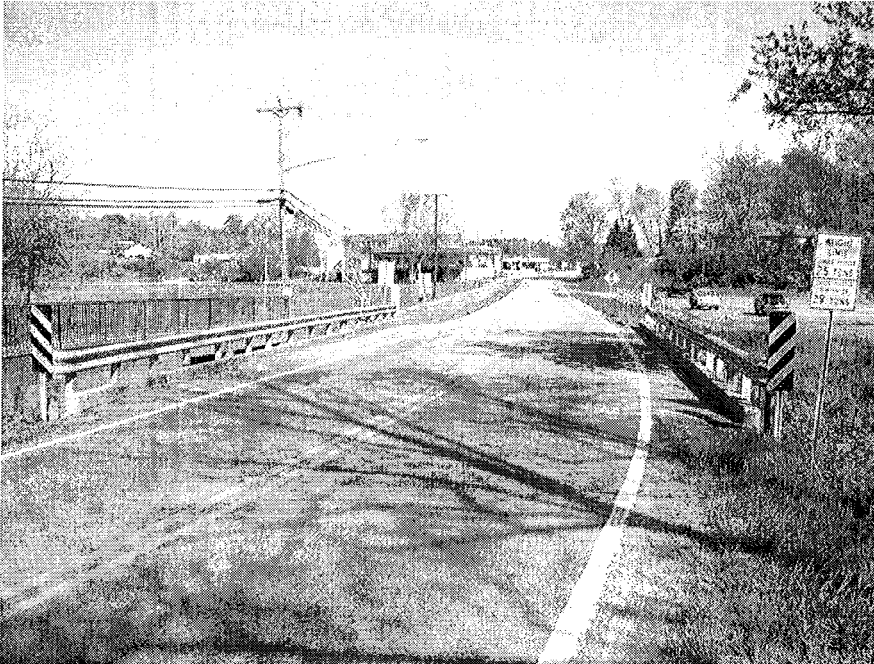
COMPUTER UPDATE \_\_\_\_\_

ANALYSIS DATE \_\_\_\_\_

POSTING LETTER DATE \_\_\_\_\_

SUFFICIENCY RATING \_\_\_\_\_

OTHER SIGNS PRESENT \_\_\_\_\_



LOOKING NORTH

SIGN NOTICE ISSUED FOR	NUMBERED REQUIRED
<u>No</u> WEIGHT LIMIT	_____
<u>No</u> DELINEATORS	_____
<u>No</u> NARROW BRIDGE	_____
<u>No</u> ONE LANE BRIDGE	_____
<u>No</u> LOW CLEARANCE	_____

**IDENTIFICATION**

(1) STATE NAME -NORTH CAROLINA	BRIDGE	960029	SUFFICIENCY RATING =	7
(8) STRUCTURE NUMBER(FEDERAL)		000000001930029	STATUS =	Structurally Deficient
INVENTORY ROUTE (ON/UNDER) - ON		131010010		
(2) STATE HIGHWAY DEPARTMENT DISTRICT		11		
(3) COUNTY CODE	193	(4) PLACE CODE	00000	
(6) FEATURE INTERSECTED - CUB CREEK			(112)NBIS BRIDGE SYSTEM -	YES
(7) FACILITY CARRIED SR1001			(104)HIGHWAY SYSTEM NON NHS Route	0
(9) LOCATION .15 MI.S.JCT.NC18,NC268			(26) FUNCTIONAL CLASS - Local	09
(11)MILEPOINT		0	(100)STRAHNET HIGHWAY - Not a STRAHNET Route	0
(16)LAT 36° 9' 5.4"	(17)LONG	81° 8' 27.9"	(101)PARALLEL STRUCTURE - No Parallel Structure	N
(98)BORDER BRIDGE STATE CODE	PCT SHARE		(102)DIRECTION OF TRAFFIC - 2-way Traffic	2
(99)BORDER BRIDGE STRUCTURE NO			(103)TEMPORARY STRUCTURE - Temporary	T
			(110)DESIGNATED NATIONAL NETWORK - Not Part of	0
			(20) TOLL On Free Road	3
			(31) MAINTAIN - State Highway Agency	01
			(22) OWNER - State Highway Agency	01
			(37) HISTORICAL SIGNIFICANCE - Not Eligible	5

**STRUCTURE TYPE AND MATERIAL**

(43) STRUCTURE TYPE MAIN: Prestressed Concrete				
TYPE - Channel Beam	CODE	522		
(44) STRUCTURE TYPE APPR :				
TYPE -	CODE			
(45) NUMBER OF SPANS IN MAIN UNIT		3	(58) DECK	6
(46) NUMBER OF APPROACH SPANS			(59) SUPERSTRUCTURE	5
(107)DECK STRUCTURE TYPE - Concrete cast-in-place	CODE	1	(60) SUBSTRUCTURE	4
(108)WEARING SURFACE / PROTECTIVE SYSTEM :			(61) CHANNEL & CHANNEL PROTECTION	6
(A) TYPE OF WEARING SURFACE - Bituminous	CODE	6	(62) CULVERTS	N
(B) TYPE OF MEMBRANE - None	CODE	0		
(C) TYPE OF DECK PROTECTION - None	CODE	0		

**LOAD RATING AND POSTING**

(31) DESIGN LOAD	Other or Unknown	0
(64) OPERATING RATING -	HS-1	201
(66) INVENTORY RATING -	HS-1	201
(70) BRIDGE POSTING -	Posting Required	3
(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P
DESCRIPTION -	Posted for Load	

**AGE AND SERVICE**

(27) YEAR BUILT		1969		
(106)YEAR RECONSTRUCTED				
(42) TYPE OF SERVICE : ON - Highway				
UNDER - Waterway	CODE	15		
(28) LANES: ON STRUCTURE	2	UNDER STRUCTURE		
(29) AVERAGE DAILY TRAFFIC		9400		
(30) YEAR OF ADT 2007	(109) TRUCK ADT PCT	6 %		
(19) BYPASS OR DETOUR LENGTH		2 MI		

**APPRAISAL**

(67) STRUCTURAL EVALUATION	2
(68) DECK GEOMETRY	2
(69) UNDERCLEARANCES,VERTI & HORIZ	N
(71) WATERWAY ADEQUACY	7
(72) APPROACH ROADWAY ALIGNMENT	6
(36) TRAFFIC SAFETY FEATURES	0000
(11)SCOUR CRITICAL BRIDGES	U

**GEOMETRIC DATA**

(48) LENGTH OF MAXIMUM SPAN		29 FT		
(49) STRUCTURE LENGTH		81 FT		
(50)CURB OR SIDEWALK: LEFT	0.4 FT	RIGHT	0.4 FT	
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		29.7 FT		
(52) DECK WIDTH OUT TO OUT		31.1 FT		
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		19.0 FT		
(33) BRIDGE MEDIAN - No Median	CODE	0		
(34) SKEW 0°	(35) STRUCTURE FLARED	NO		
(10) INVENTORY ROUTE MIN VERT CLEAR		99 FT 99 IN		
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		29.7 FT		
(53) MIN VERT CLEAR OVER BRIDGE RDWY		99 FT 99 IN		
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad				
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad		99.9 FT		
(56) MIN LAT UNDERCLEAR LT REF -		0.0 FT		

**PROPOSED IMPROVEMENTS**

(75) TYPE OF WORK -	CODE	311
(76) LENGTH OF STRUCTURE IMPROVEMENT		105 FT
(94) BRIDGE IMPROVEMENT COST		\$312,000
(95) ROADWAY IMPROVEMENT COST		\$78,000
(96) TOTAL PROJECT COST		\$468,000
(97) YEAR OF IMPROVEMENT COST ESTIMATE		2007
(114)FUTURE ADT 18800	(115) YEAR FUTURE ADT	2025

**INSPECTIONS**

(38) NAVIGATION CONTROL - No Navigational Control	CODE	0	(93) CFI DATE	04/22/2009
(111)PIER PROTECTION - Not Applicable	CODE			
(39) NAVIGATION VERTICAL CLEARANCE		0	A) FRACTURE CRIT DETAIL -	NO
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			B) UNDERWATER INSP -	NO
(40) NAVIGATION HORIZONTAL CLEARANCE		0	C) OTHER SPECIAL INSP	NO
			SCOUR	

BRIDGE MANAGEMENT UNIT  
DATA ON EXISTING STRUCTURE

Run Date: 09/10/2009

COUNTY :	DIV :	DIST :	STRUCTURE NUMBER :	LENGTH :		
WILKES	11	3	960029	81	FEET	
ROUTE CARRIED :			FEATURE INTERSECTED :			
SR1001			CUB CREEK			
LOCATED :			BRIDGE NAME :			
.15 MI.S.JCT.NC18,NC268						
FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :		
09	NFA	NFA	9400 2007	LT 233 RT 233		
BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :		
1969	BMU			Other or Unknown		
REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :	
			TAN	90	ON 2 UNDER	
NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :	
VC	0.0	FT	HC	0.0	FT	14
						1
						FT
SUPERSTRUCTURE : PRESTRESSED CONC.CHANNELS (STD.BMD-13)						
SUBSTRUCTURE : E.BTS.&INT.BTS:PPC CAPS/TIMBER PILES @ 5'-8 CENTERS						
SPANS : 1 @ 25'-4"; 1 @ 30'; 1 @ 25'-4"						
BEAMS OR GIRDERS : 12 PPC CHANNEL SECTIONS						
FLOOR :		ENCROACHMENT :		DECK (OUT TO OUT) :		
PPC.CH/3.5 AWS		1 LN. UTILITY		31.1 FT		
CLEAR ROADWAY :		BETWEEN RAILS :		SIDEWALK OR CURB :		
29.7 FT		30.5 FT		LT 0.4 FT RT 0.4 FT		
VERT.CL.OVER :		VERT.CL.UNDER :		HOR.CL.UNDER :		
99 FT 99 IN		00 FT 00 IN		0.0 FT		
INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :			
HS-1	HS-1	Pile2	SV	25	TTST	28
			DATE	08/30/2006		
SYSTEM :				GREEN LINE ROUTE :		
Secondary S.R. Route				N		
2ND OPENING :		3RD OPENING :		4TH OPENING :		5TH OPENING :
REMARKS :						





STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

P.O. Box 25201, Raleigh, NC 27611-5201  
PHONE (919) 733-2520  
April 26, 2007

LYNDO TIPPETT  
SECRETARY

TIP PROJECT NO.: B-4676  
COUNTY: Wilkes  
DESCRIPTION: Replacement of Bridge No. 29 over Cub Creek on SR 1001  
(Oakwoods Rd.) in Wilkesboro.

MEMORANDUM TO: Calvin W. Leggett, PE  
Manager, Program Development

FROM: M. A. Pettyjohn, PE *M.A. Pettyjohn*  
Division Engineer - Division 11

Subject: Request for Feasibility Study

Attached is a letter from the Town of Wilkesboro requesting that a feasibility study be performed concerning the potential widening of SR 1001 from US 421 to NC 18/268 entering Wilkesboro in Wilkes County. The requested study area encompasses the above proposed bridge replacement project. In their letter the Town also states that they could be in favor of delaying the project until a feasibility study can be performed.

The Town is looking at developing SR 1001 as the gateway into the town of Wilkesboro. Also, considering the increase in future traffic together with the proximity of the intersection of NC 18/268 and SR 1001, we would anticipate that a feasibility study would most likely indicate the need for additional lanes through the above project area.

Therefore, the Division agrees with the Town of Wilkesboro and recommends that a feasibility study be scheduled as soon as funds are available. If you have any questions or need additional information please let us know.

MAP/GTB:tb

Attachment

Cc: Van Argabright, PE  
William T. Goodwin, PE







# TOWN OF WILKESBORO

*"Where the Mountains Begin"*

P.O. Box 1056 • 203 West Main Street  
Wilkesboro, North Carolina 28697  
www.wilkesboronorthcarolina.com  
Phone (336) 838•3951 • Fax (336) 838•7616

APR 18 2007

April 18, 2007

Michael A. Pettyjohn, PE  
Division Engineer  
NCDOT, Division 11  
P.O. Box 250  
North Wilkesboro, NC 28659

REF: B-4676

Dear Mr. Pettyjohn:

I wanted to bring to your attention the Wilkesboro Town Council's position concerning the bridge replacement referenced above. As you are aware the Town has asked that modifications be made to the current plan to replace the bridge.

We have also stated that we would like a feasibility study to be performed on the potential widening of SR 1001 from US 421 to Hwy 18 entering Wilkesboro. We would further like to state that we could be in favor of delaying project B-4676 until this feasibility study can be performed and reviewed.

We would much rather see a project delayed to study future traffic patterns than to build a project that may become prematurely obsolete.

Thank you for your continued time and assistance with this matter.

Sincerely,

Kenneth D. Noland  
Town Manager

NORMAN CALL  
Mayor

KENNETH D. NOLAND  
Town Manager  
townmanager@wilkesboronorthcarolina.com

JOSEPHINE CASS  
Town Clerk/Finance Officer

COUNCILMEN  
JAMES S. HARTLEY  
GARY BLEVINS  
EVERETT (SKIPPER) SOLOMON

Mayor Pro Tem  
MIKE INSCORE



**Subject: B-4676**

**Date:** Fri, 20 Apr 2007 15:12:24 -0400

**From:** "Trent Beaver, PE" <tbeaver@dot.state.nc.us>

**Organization:** North Carolina Department of Transportation

**To:** Tracy Walter <twalter@dot.state.nc.us>

Tracy,

We have received a resolution from the Town of Wilkesboro requesting that the above project be delayed until a feasibility study can be performed. I will prepare a transmittal letter concerning this issue. Who do I need to send and copy it to?

Thanks,

Trent





B-4676  
Tracy

**North Carolina Department of Cultural I  
State Historic Preservation Office**

Peter B. Sandbeck, Administrator

Michael F. Easley, Governor  
Lisbeth C. Evans, Secretary  
Jeffrey I. Crow, Deputy Secretary

Office of Archives and History  
Division of Historical Resources  
David Brook, Director

August 2, 2005

**MEMORANDUM**

To: Greg Thorpe, PhD  
Project Development and Environmental Analysis Branch  
NC Department of Transportation

Chavonda Brown  
Bridge Replacement Planning Unit  
Project Development and Environmental Analysis Branch  
NC Department of Transportation

From: Peter Sandbeck *PBS for Peter Sandbeck*

Re: 35 bridge replacement projects, Multi County

Attached please find a spreadsheet that contains our comments on thirty-five (35) bridge replacement projects throughout North Carolina. For the projects shown in bold we are requesting that either a better map be provided or an historic architectural or archaeological survey be undertaken. A memorandum for each of these projects is also attached for your use. The remainder of the projects is unlikely to affect historic properties, and we are making no recommendations for them.

Our records show that we have received at least seventy-five (75) bridge projects to review since January 2005. Most of these are bridge replacements that have been submitted in rather large lots with no indication of any priority whatsoever. While we are amenable to receiving the projects in batches, the lack of any indication of a priority for these reviews creates a workload that is often in conflict with other transportation projects we are called upon to review. Thus, we would very much appreciate your indicating the priority you would like us to place upon this type of project until such time as your staff begins to handle them under a programmatic agreement.

Attachments

cc: Mary Pope Furr w/ attachments  
Matt Wilkerson w/ attachments

	Location	Mailing Address	Telephone/Fax
ADMINISTRATION	507 N. Blount Street, Raleigh NC	4617 Mail Service Center, Raleigh NC 27699-4617	(919)733-4763/733-8653
RESTORATION	515 N. Blount Street, Raleigh NC	4617 Mail Service Center, Raleigh NC 27699-4617	(919)733-6547/715-4801
SURVEY & PLANNING	515 N. Blount Street, Raleigh, NC	4617 Mail Service Center, Raleigh NC 27699-4617	(919)733-6545/715-4801



Bridge comments Survey and Planning and Office of State Archaeology

ER05-0874	<b>Bridge No. 52</b>	<b>SR 1445 Reedy Creek</b>	<b>B-4694</b>	<b>Davidson County</b>	<b>S&amp;P Survey Grimes-Crotts Mill (NR)</b>	<b>No survey needed</b>
ER05-0883	Bridge No. 80	SR 1929 Wolf Island Creek	B-4624	Rockingham County	No S&P Survey	No survey needed
ER05-0856	Bridge No. 279	SR 1831, Livingston Creek	B-4481	Columbus County	No S&P Survey	No survey needed
ER05-0857	Bridge No. 278	SR 1824 Livingston Creek	B-4480	Columbus County	No S&P Survey	No survey needed
ER05-0855	Bridge No. 46	SR 1932 Creek	B-4482	Columbus County	No S&P Survey	No survey needed
ER05-0879	Bridges No. 29 & 30	US 52	B-4645	Stokes County	No S&P Survey	No survey needed
<b>ER05-0864</b>	<b>Bridge No. 20</b>	<b>SR 1152 South Deep Creek</b>	<b>B-4683</b>	<b>Yadkin County</b>	<b>No S&amp;P Survey</b>	<b>Needs survey</b>
ER05-0868	Bridge No. 149	SR 1744	B-4448	Burke County	No S&P Survey	No survey needed
ER05-0881	Bridge No. 3	NC 49 Yadkin River	B-4626	Davidson-Rowan Counties	No S&P Survey	No survey needed
ER05-0878	Bridge No. 44	US 1	B-4653	Vance County	No S&P Survey	No survey needed
ER05-1050	Bridge No. 456	SR 1573	B-3806	Ashe County	Previously Surveyed	No survey needed
ER05-1043	Bridge No. 99	SR 1317 Creek	B-4677	Wilkes County	No S&P Survey	No survey needed
<b>ER05-1044</b>	<b>Bridge No. 29</b>	<b>SR 1001 Cub Creek</b>	<b>B-4676</b>	<b>Wilkes County</b>	<b>No S&amp;P Survey</b>	<b>Needs survey</b>
ER05-0885	Bridge No. 150	US 220 BUS.	B-4621	Rockingham County	No S&P Survey	No survey needed
ER04-0102	Bridge No. 104	Broad Creek	B-4018	Beaufort County	No S&P	No survey





## Walter, Tracy A

---

**From:** Kluchar, Bryan  
**Sent:** Monday, July 26, 2010 9:39 AM  
**To:** Goodwin, William (Bill) T; Walter, Tracy A  
**Subject:** FW: B-4676 schedule

**Importance:** High

-----Original Message-----

**From:** Argabright, Van  
**Sent:** Friday, July 23, 2010 8:37 AM  
**To:** Kluchar, Bryan  
**Cc:** Pettyjohn, Michael A; Lewis, Derrick W; Prince, Robert N  
**Subject:** FW: B-4676 schedule  
**Importance:** High

Bryan:

I have discussed this with Mike Pettyjohn and he would like to proceed with developing the bridge project. It doesn't look like the widening project will get funded in the near future, so, I think we will need to develop the bridge project in a way that best accommodates the future widening.

Derrick/Robert:

Can you please make sure that Bryan gets a copy of the feasibility study when complete.

Thanks,

Van

-----Original Message-----

**From:** Lewis, Derrick W  
**Sent:** Wednesday, July 21, 2010 2:36 PM  
**To:** Argabright, Van  
**Cc:** Pettyjohn, Michael A; Prince, Robert N  
**Subject:** RE: B-4676 schedule  
**Importance:** High

We are working on the draft and anticipate all the cost estimates will be in hand by the end of August. The Draft would go out for Comment in mid September and be finalized by sometime in late October so long as significant comments are not received.

From what I see on the traffic there is less than 14000 (2035) at the bridge which would be at capacity for a two lane roadway therefore a two on 4 would be a logical recommendation at the present time. However, US 421 Bypass to just north of Call Street there the traffic is projected to be between 16,000 to 17,400 so it will need four lanes sooner than the bridge section.

However, if it looked like it like the design year would shift to 2040 or beyond then the need for the four lane facility would be stronger. Given this, we would probably recommend the four lane section thru the project but indicate that a phased two on 4 for a portion of the project is a viable interim improvement.

Derrick

-----Original Message-----

**From:** Argabright, Van  
**Sent:** Wednesday, July 21, 2010 2:00 PM  
**To:** Lewis, Derrick W  
**Cc:** Pettyjohn, Michael A

Subject: FW: B-4676 schedule

Derrick:

When is FS-0711B expected to be complete?

Van

-----Original Message-----

From: Kluchar, Bryan  
Sent: Wednesday, July 21, 2010 8:48 AM  
To: Argabright, Van  
Subject: B-4676 schedule

Van,

Rose Simson from SMO has informed me of the acceleration of the B-4676 project. Since we have not received the feasibility study for the project, we do not know if the project will become a U-type and improve the road in the area of the bridge. Our intention was to push the project out into the future as far as possible since it involves a complex 6(f) issue at a park adjacent to the bridge. Can the project be moved in the STIP to allow for our previous concerns as indicated below?

Thanks,  
Bryan

Subject: Re: [Fwd: B-4676]  
Date: Mon, 07 May 2007 08:44:02 -0400  
From: "Cathy S. Houser, PE" <chouser@dot.state.nc.us>  
Organization: North Carolina Department of Transportation  
To: Van Argabright PE <vargabright@dot.state.nc.us>  
CC: "Bryan D. Kluchar" <bdkluchar@dot.state.nc.us>  
, "Michael A. Pettyjohn PE" <mpettyjohn@dot.state.nc.us>  
, "Trent Beaver, PE" <tbeaver@dot.state.nc.us>  
, "Derrick W. Lewis PE" <dlewis@dot.state.nc.us>  
, "Al L. Avant" <aavant@dot.state.nc.us>  
, Malcolm Watson <mcwatson@dot.state.nc.us>

sounds good to me. I will change the forecast dates in PMii.  
Cathy

Van Argabright PE wrote:

> Cathy:  
>  
> We typically have taken bridge projects out when we discover a  
> potential widening project. Then a number of years later, we discover  
> the widening project is far out in the future and we need to put the  
> bridge replacement project back in the program. So, my suggestion was  
> to push the bridge project into the later years of the program and  
> assess the situation when the feasibility study is complete.  
>  
> Van  
>  
> "Cathy S. Houser, PE" wrote:  
>  
> > Hey everybody,  
> > I was out Friday and am just catching up on my emails. I was under  
> > the impression that B-4676 was going to be removed from the program  
> > and included in the widening project. Is this going to be decided  
> > after the feasibility study is complete now?  
> > Bryan, I'm assuming that you will be revising the schedule in PMii  
> > because it is still showing the CE complete in 7-07. Let me know  
> > when you move that and I will adjust my r/w and let dates to FY 12  
> > r/w and FY 14 for let.  
> > thanks

> > Cathy  
> >  
> > Van Argabright PE wrote:  
> >  
> > > Based on conversations with Bryan Kluchar and Mike Pettyjohn, I  
> > > plan to move this bridge project to R/W FY 12 and construction FY  
> > > 14. When we get the results from the feasibility study, we may  
> > > take other actions, but that is the plan for now. If anyone has  
> > > concerns with this, please let me know.  
> > >  
> > > Van  
> > >  
> > >  
> > > -----  
> > >  
> > > Subject: Re: B-4676  
> > > Date: Fri, 04 May 2007 14:45:51 -0400  
> > > From: "Bill T. Goodwin" <bgoodwin@dot.state.nc.us>  
> > > Organization: North Carolina Department of Transportation  
> > > To: Van Argabright PE <vargabright@dot.state.nc.us>  
> > > CC: Stacy Oberhausen <soberhausen@dot.state.nc.us>  
> > > , "Michael A. Pettyjohn PE" <mpettyjohn@dot.state.nc.us>  
> > > , "Trent Beaver, PE" <tbeaver@dot.state.nc.us>  
> > > , "Derrick W. Lewis PE" <dlewis@dot.state.nc.us>  
> > > , "Al L. Avant" <aavant@dot.state.nc.us>  
> > > , "Cathy S. Houser, PE" <chouser@dot.state.nc.us>  
> > > , Ahmad Al-Sharawneh <aalsharawneh@dot.state.nc.us>  
> > > , "Bryan D. Kluchar" <bdkluchar@dot.state.nc.us>  
> > > References: <463B7DCD.A75342E9@dot.state.nc.us>  
> > >  
> > > Van,  
> > >  
> > > B-4676 is Bryan Kluchar's.  
> > >  
> > > Thanks,  
> > >  
> > > Bill  
> > >  
> > > Van Argabright PE wrote:  
> > >  
> > > > Stacy:  
> > > >  
> > > > As you know, Mike Pettyjohn wrote to Calvin requesting a  
> > > > feasibility study be performed on widening SR 1001 from US 421  
> > > > to NC 18/268. Obviously, you will want to consider the results  
> > > > of the feasibility study in the subject bridge project. Derrick  
> > > > Lewis estimates that it will take two years to complete the  
> > > > study. Based on this, where should we program the R/W and  
> > > > construction for B-4676.  
> > > >  
> > > > Thanks,  
> > > >  
> > > > Van  
> > > >  
> > > > --  
> > > >  
> > > > William T. Goodwin, Jr., PE  
> > > > Unit Head - Bridge Project Development Unit  
> > > > Phone: 919-715-5502  
> > > > Project Development and Environmental Analysis Branch North  
> > > > Carolina Department of Transportation  
> > > >  
> > > > Mailing Address:  
> > > > Bridge Project Development Unit  
> > > > 1551 Mail Service Center  
> > > > Raleigh, NC 27699-1551

PDEA Bridge Project Development Unit  
(919) 850-2713

Email correspondence to and from this sender is subject to the N.C. Public Records Law and may be disclosed to third parties.



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

June 20, 2007

Mr. James S. Wang, PE  
Wang Engineering Company, Inc.  
15200 Weston Parkway, Suite 101  
Cary, North Carolina 27513

RE: Bridge Group 58, Replacement of Bridge Number 29 over Cub Creek on SR 1001, Wilkes County, Federal Aid No. **BRZ-1001(29)**, State Project No. **8.2761801**, WBS No. **33831.1.1**, TIP Project: **B-4676**, Contract No. **6300011757**

Dear Mr. Wang,

On April 18, 2007, the Town of Wilkesboro requested that this project be delayed to allow time for a feasibility study to be completed for the area of the proposed project. The Town believes that this project, as proposed, does not meet the needs of the town and will most likely become obsolete in the near future. NCDOT agrees that the two proposed alternatives do not meet projected needs for the area and plans to delay the project until a feasibility study can be completed. Presently, the proposed R/W and Let dates are being changed to 2012 and 2014, respectively.

Since we do not have a viable alternative based upon these circumstances, we are electing to delay any further work until the study is complete. Because of this, we have decided to remove this project from the contract. Please provide us with all documentation and a final invoice for this project no later than July 15, 2007.

We appreciate the work your company has done on this project and look forward to continue working with your firm as the remainder of the contract progresses.

Sincerely,

William T. Goodwin, Jr., PE  
Bridge Project Development Unit Head

cc: Gregory J Thorpe, Ph.D., PDEA, NCDOT  
Michael Penney, PE, PDEA, NCDOT  
Tracy Walter, PDEA, NCDOT

MAILING ADDRESS:  
NC DEPARTMENT OF TRANSPORTATION  
PROJECT DEVELOPMENT & ENVIRONMENTAL ANALYSIS BRANCH  
BRIDGE PROJECT DEVELOPMENT UNIT  
1551 MAIL SERVICE CENTER  
RALEIGH NC 27699-1551

TELEPHONE: 919-715-1500  
FAX: 919-715-1501

WEBSITE: [WWW.NCDOT.ORG](http://WWW.NCDOT.ORG)

LOCATION:  
PARKER LINCOLN BLDG  
2728 CAPITAL BLVD - SUITE 168  
RALEIGH NC 27604



**Subject: [Fwd: [Fwd: B-4676]]**

**Date:** Fri, 04 May 2007 15:59:17 -0400

**From:** "Bryan D. Kluchar" <bdkluchar@dot.state.nc.us>

**Organization:** North Carolina Department of Transportation

**To:** Tracy Walter <twalter@dot.state.nc.us>

---

**Subject: [Fwd: B-4676]**

**Date:** Fri, 04 May 2007 15:32:15 -0400

**From:** "Van Argabright PE" <vargabright@dot.state.nc.us>

**Organization:** North Carolina Department of Transportation

**To:** "Bryan D. Kluchar" <bdkluchar@dot.state.nc.us> ,  
"Michael A. Pettyjohn PE" <mpettyjohn@dot.state.nc.us> ,  
"Trent Beaver, PE" <tbeaver@dot.state.nc.us> ,  
"Derrick W. Lewis PE" <dlewis@dot.state.nc.us> ,  
"Al L. Avant" <aavant@dot.state.nc.us> ,  
"Cathy S. Houser, PE" <chouser@dot.state.nc.us>

Based on conversations with Bryan Kluchar and Mike Pettyjohn, I plan to move this bridge project to R/W FY 12 and construction FY 14. When we get the results from the feasibility study, we may take other actions, but that is the plan for now. If anyone has concerns with this, please let me know.

Van

---

**Subject: Re: B-4676**

**Date:** Fri, 04 May 2007 14:45:51 -0400

**From:** "Bill T. Goodwin" <bgoodwin@dot.state.nc.us>

**Organization:** North Carolina Department of Transportation

**To:** Van Argabright PE <vargabright@dot.state.nc.us>  
**CC:** Stacy Oberhausen <soberhausen@dot.state.nc.us> ,  
"Michael A. Pettyjohn PE" <mpettyjohn@dot.state.nc.us> ,  
"Trent Beaver, PE" <tbeaver@dot.state.nc.us> ,  
"Derrick W. Lewis PE" <dlewis@dot.state.nc.us> ,  
"Al L. Avant" <aavant@dot.state.nc.us> ,  
"Cathy S. Houser, PE" <chouser@dot.state.nc.us> ,  
Ahmad Al-Sharawneh <aalsharawneh@dot.state.nc.us> ,  
"Bryan D. Kluchar" <bdkluchar@dot.state.nc.us>

Van,

B-4676 is Bryan Kluchar's.

Thanks,

Bill

Van Argabright PE wrote:

> Stacy:

>





> As you know, Mike Pettyjohn wrote to Calvin requesting a  
> feasibility study be performed on widening SR 1001 from US 421 to  
> NC 18/268. Obviously, you will want to consider the results of  
> the feasibility study in the subject bridge project. Derrick  
> Lewis estimates that it will take two years to complete the  
> study. Based on this, where should we program the R/W and  
> construction for B-4676.

>  
> Thanks,  
>  
> Van

--

William T. Goodwin, Jr., PE  
Unit Head - Bridge Project Development Unit  
Phone: 919-715-5502  
Project Development and Environmental Analysis Branch  
North Carolina Department of Transportation

Mailing Address:  
Bridge Project Development Unit  
1551 Mail Service Center  
Raleigh, NC 27699-1551





STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

W. LYNDO TIPPETT  
SECRETARY

May 8, 2007

MEMORANDUM

TO: M. A. Pettyjohn, P.E.  
Division 11 Engineer

FROM: Calvin W. Leggett, P.E., Manager  
Program Development Branch

SUBJECT: Request for a Feasibility Study to Consider Expanding the Scope of B-4676 to Include the Widening of SR 1001 From US 421 to NC 18/268, Wilkesboro, Wilkes County

Thank you for your letter requesting consideration of a Feasibility Study for the widening of SR 1001 from US 421 to NC 18/268 Wilkes County and delaying TIP project B-4676, which is the replacement of Bridge No. 29 over Cub Creek on SR 1001 (Oakwoods Road) in Wilkesboro. We concur with this request and will initiate a feasibility study to evaluate the geometric needs of SR 1001 in this area. Additionally, we will delay work on B-4676 until the feasibility study on SR 1001 is completed so that the study findings can be incorporated.

If additional information is needed, you may contact me at (919) 733-2039.

CWL:dl

cc: Arnold Lakey, Member, Board of Transportation  
Kenneth D. Noland, Town Manager, Town of Wilkesboro  
Al Avant, Assistant Branch Manager, Program Development Branch  
Van Argabright, P.E., TIP Development Unit, Western Region  
William T. Goodwin, P.E., Project Development Unit Head  
Derrick Lewis, P.E., Feasibility Studies Unit Head



**Subject: Bridge Group 58 - B-4676 - Wilkes County**

**Date:** Wed, 22 Nov 2006 08:01:35 -0500

**From:** "Greg Purvis" <gpurvis@wang-engineering.com>

**To:** "Marshall Clawson" <mclawson@dot.state.nc.us>, "John Frye" <jfrye@dot.state.nc.us>, "Malcolm Watson" <mcwatson@dot.state.nc.us>, "Cathy Houser" <chouser@dot.state.nc.us>, "Trent Beaver" <tbeaver@dot.state.nc.us>, "Tracy Walter" <twalter@dot.state.nc.us>

Per the previous e-mail these are the .pdf files that show replacing the sidewalk on the right hand side. Please review and let us know what you think.

Thanks.

*Greg S. Purvis, P.E.*

Project Manager

**Wang Engineering Co., Inc.**


15200 Weston Parkway Suite 101


Cary, NC 27513


(T) 919-677-9544


(F) 919-677-9744


(M) 919-630-7791

 <a href="#">b4676_AltA_Opt2_wSW.pdf</a>	<b>Name:</b> b4676_AltA_Opt2_wSW.pdf <b>Type:</b> Portable Document Format (application/pdf) <b>Encoding:</b> base64 <b>Download Status:</b> Not downloaded with message
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 <a href="#">B4676_xs2_AltA_opt2.pdf</a>	<b>Name:</b> B4676_xs2_AltA_opt2.pdf <b>Type:</b> Portable Document Format (application/pdf) <b>Encoding:</b> base64 <b>Download Status:</b> Not downloaded with message
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 <a href="#">B4676_xs3_AltA_opt2.pdf</a>	<b>Name:</b> B4676_xs3_AltA_opt2.pdf <b>Type:</b> Portable Document Format (application/pdf) <b>Encoding:</b> base64 <b>Download Status:</b> Not downloaded with message
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**Subject: FW: Bridge Group 58 - B-4676 - Wilkes County**

**Date:** Wed, 22 Nov 2006 08:46:17 -0500

**From:** "Greg Purvis" <gpurvis@wang-engineering.com>

**To:** "Tracy Walter" <twalter@dot.state.nc.us>

-----Original Message-----

**From:** Marshall W. Clawson PE [mailto:mclawson@dot.state.nc.us]

**Sent:** Wednesday, November 22, 2006 8:48 AM

**To:** Greg Purvis

**Subject:** Re: Bridge Group 58 - B-4676 - Wilkes County

Greg,

With the paved shoulder and existing sidewalk we will need DI's to drain the area between the fill slope and the sidewalk.

MC

Greg Purvis wrote:

Per our meeting last Thursday we went back and revised Alt.A. Previously we showed curb & gutter with proposed sidewalk on the right hand side including sidewalk on the bridge. In this revision we utilized a 4' paved shoulder on the right hand side (see typical and xs) and maintained the existing sidewalk. Please see the attached .pdf files. I think we could do this without a retaining wall. The only negative I see with the above is that there is not positive drainage from where the proposed fill slope ties in to the existing sidewalk (see xs). Considering that we also looked at replacing the sidewalk in a separate option. I am going to send those .pdf files separately. Let me know what you think. **Greg S. Purvis, P.E.**

Project Manager

**Wang Engineering Co., Inc.**

15200 Weston Parkway Suite 101

Cary, NC 27513

(T) 919-677-9544

(F) 919-677-9744

(M) 919-630-7791







# TOWN OF WILKESBORO

*"Where the Mountains Begin"*

P.O. Box 1056 • 203 West Main Street  
Wilkesboro, North Carolina 28697  
www.wilkesboronorthcarolina.com  
Phone (336) 838-3951 • Fax (336) 838-7616

October 11, 2006

Tracy A. Walter  
PD and EA-Bridge Replacement Unit  
NC Department of Transportation  
1551 Mail Service Center  
Raleigh, NC 27699-1551

REF: B-4676

Dear Mr. Walter:

The Wilkesboro Town Council is very pleased that the Oakwoods Rd. Bridge is slated for upgrade. However, we do have concerns that should be addressed during the planning stage to make for a better project.

I have enclosed for your review a resolution adopted by the Town Council at it's October meeting. It notes some concerns we have about the bridge replacement. As this project unfolds we would be glad to meet to discuss any issues that may arise during the design of the bridge.

If you have any specific concerns please forward those to our Town Manager Ken Noland. If I can be of any assistance do not hesitate in calling.

Sincerely,

Norman Call  
Mayor

NORMAN CALL  
Mayor

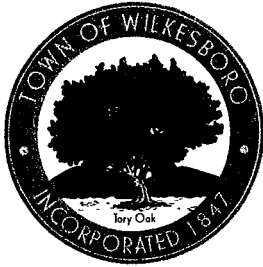
KENNETH D. NOLAND  
Town Manager  
townmanager@wilkesboronorthcarolina.com

JOSEPHINE CASS  
Town Clerk/Finance Officer

COUNCILMEN  
JAMES S. HARTLEY  
GARY BLEVINS  
EVERETT (SKIPPER) SOLOMON

Mayor Pro Tem  
MIKE INSCORE





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## RESOLUTION FOR BRIDGE REPLACEMENT

**WHEREAS**, the NCDOT has identified in the TIP a bridge (B-4676) to be replaced in the Corporate limits of the Town of Wilkesboro; and

**WHEREAS**, the Town also has a separate pedestrian bridge crossing at the same location; and

**WHEREAS**, the Town has a subdivision (Forest Hills) that utilizes the existing pedestrian bridge as a connection to Cub Creek Park and the downtown business district; and

*called left message*

**WHEREAS**, the Town has been awarded a Comprehensive Pedestrian Planning Grant for the NCDOT Bicycle and Pedestrian Division; and

*↑*

\* **WHEREAS**, within the draft pedestrian plan it is noted that a crossing in the vicinity of the bridge be built; and

\* **WHEREAS**, the plan also notes a future Greenway crossing at the bridge;

**NOW THEREFORE, BE IT RESOLVED** that the Wilkesboro Town Council recognizes the need to replace the bridge at Cub Creek; and

\* **FURTHER BE IT RESOLVED** that the Town Council feels it is important to maintain a safe separation from vehicular traffic and the pedestrian traffic as currently is the case; and *CONCRETE BARRIER*

**NOW FURTHER BE IT RESOLVED**, that the Town Council requests that every effort be made to provide a below grade crossing to allow for the future extension of the Greenway which would provide for the greatest safety for our pedestrians.

**Adopted this the 2nd day of October 2006.**

*Norman Call*  
Norman Call, Mayor

Attest

*Josephine Cass*  
Town of Wilkesboro Clerk



KENNETH D. NOLAND  
Town Manager  
townmanager@wilkesboronorthcarolina.com

JOSEPHINE CASS  
Town Clerk/Finance Officer

COMMISSIONERS  
JAMES S. HARTLEY  
MIKE INSCORE  
GARY BLEVINS

Mayor Pro Tem  
TOMMY BUMGARNER



**Subject: Bridge Group 58 B-4676 Wilkes County**

**Date:** Wed, 29 Nov 2006 15:49:08 -0500

**From:** "Greg Purvis" <gpurvis@wang-engineering.com>

**To:** "John Frye" <jfrye@dot.state.nc.us>, "Trent Beaver" <tbeaver@dot.state.nc.us>, "Tracy Walter" <twalter@dot.state.nc.us>, "Marshall Clawson" <mclawson@dot.state.nc.us>, "Malcolm Watson" <mcwatson@dot.state.nc.us>, "Cathy Houser" <chouser@dot.state.nc.us>, "Brian Kluchar" <bdkluchar@dot.state.nc.us>, "Bill Goodwin" <bgoodwin@dot.state.nc.us>, <tfang@dot.state.nc.us>

**Nov. 16 Meeting Notes:**

At this meeting we reviewed the plans for:

Alternate A - replaces the existing bridge in the existing location with an offsite detour.

Alternate B - Replaces the existing bridge on new alignment to the southwest.

We met to discuss the request from the Town of Wilkesboro to incorporate a proposed greenway crossing underneath the bridge and also that there be a separation between pedestrian and vehicular traffic.

It was discussed that there would not be enough clearance underneath the proposed bridge to incorporate the greenway. It was proposed to ask the Town if they would want to locate the greenway crossing at grade west of the existing bridge near the begin project. We will discuss this issue with the town.

It was discussed that the Wilkes County EMS had concerns about the offsite detour and the additional traffic it would add to downtown Wilkesboro and it might increase response time. The Division felt like the offsite detour would be satisfactory.

During discussion about the separation between pedestrian and vehicular traffic it was suggested to look at a 4' paved shoulder on the right hand side instead of curb & gutter. We reviewed two options: 1). Utilizes a 4' paved shoulder and keeps the existing sidewalk. 2). Utilizes a 4' paved shoulder and replaces the existing sidewalk. One negative about option 1 is that there is not positive drainage between the proposed fill slope to the existing and we would have to some DI's in there.

Let me know if you have additional comments.

Thanks

**Greg S. Purvis, P.E.**

Project Manager

**Wang Engineering Co., Inc.**

15200 Weston Parkway Suite 101

Cary, NC 27513

(T) 919-677-9544

(F) 919-677-9744

(M) 919-630-7791



**Subject:** Estimate on **B-4676** & **B-4406**

**Date:** Tue, 05 Dec 2006 14:57:07 -0500



**From:** Dwayne Draughon <ddraughon@dot.state.nc.us>

**Organization:** North Carolina Department of Transportation

**To:** "Jay A. Bennett PE" <jbennett@dot.state.nc.us> ,  
"Victor Barbour, PE" <vbarbour@dot.state.nc.us> ,  
"Deborah M. Barbour PE" <dbarbour@dot.state.nc.us> ,  
"Calvin W. Leggett" <cleggett@dot.state.nc.us> ,  
"Al L. Avant" <aavant@dot.state.nc.us> ,  
"Art McMillan, PE" <amcmillan@dot.state.nc.us> ,  
Ray McIntyre <rmcintyre@dot.state.nc.us> ,  
Van Argabright PE <vargabright@dot.state.nc.us> ,  
Mike Stanley <mtstanley@dot.state.nc.us> , Rob Hanson <rhanson@dot.state.nc.us> ,  
Eric Midkiff <emidkiff@dot.state.nc.us> , Teresa Hart <thart@dot.state.nc.us> ,  
"Ron D. Allen PE" <rallen@dot.state.nc.us> ,  
"Dewayne L. Sykes PE" <dsykes@dot.state.nc.us> ,  
"Scott Blevins, PE" <sblevins@dot.state.nc.us> ,  
Tracy Walter <twalter@dot.state.nc.us> ,  
"Cathy S. Houser, PE" <chouser@dot.state.nc.us>

Estimate figure for your records

---

 <a href="#">B-4676.doc</a>	<p><b>Name:</b> B-4676.doc <b>Type:</b> Microsoft Word Document (application/msword) <b>Encoding:</b> base64 <b>Download Status:</b> Not downloaded with message</p>
 <a href="#">B-4406.doc</a>	<p><b>Name:</b> B-4406.doc <b>Type:</b> Microsoft Word Document (application/msword) <b>Encoding:</b> base64 <b>Download Status:</b> Not downloaded with message</p>





# REQUEST FOR R/W COST ESTIMATE

DATE RECEIVED: 11-03-06

DISTRIBUTED: 11-03-06

REVISION: NO

I.D.NO./  
BREAK

DESCRIPTION

SCHEDULE

B-4676	REPLACE BRIDGE NO 29 ON SR 1001 OVER CUB CREEK	R/W	FY2010	UNFUND	<input type="checkbox"/>	POST YRS	<input type="checkbox"/>
		CONST	FY2011				
		R/W	FY	UNFUND	<input type="checkbox"/>	POST YRS	<input type="checkbox"/>
		CONST	FY				
		R/W	FY	UNFUND	<input type="checkbox"/>	POST YRS	<input type="checkbox"/>
		CONST	FY				

ACCESS: FULL C/A  PARTIAL C/A  NO CONTROL

WBS ELEMENT NUMBER: 33831.1.1 COUNTY: WILKES

ENGINEER: TRACY WALTER / PDEA

SPECIAL INSTRUCTIONS:

NONE

TYPE OF PLANS FURNISHED FOR ESTIMATE: PRELIMINARY

DATE DUE: 12-01-06

PRIOR ESTIMATES OF LAND AND DAMAGES (WITH DATES):

N/A

IF INCREASES OR DECREASES ARE SIGNIFICANT, PLEASE EXPLAIN:

N/A

BASED ON PAST PROJECT HISTORICAL DATA, THE LAND AND DAMAGE FIGURES HAVE BEEN ADJUSTED BY A FACTOR OF 50% TO INCLUDE CONDEMNATION AND ADMINISTRATIVE INCREASES THAT OCCUR DURING SETTLEMENT OF ALL PARCELS. THESE FIGURES PROJECT THE MOST ACCURATE ACQUISITION ESTIMATES FOR 2 YEARS FROM THE DATE OF THIS ESTIMATE.

ESTIMATED BY: ED WELBORN COMPLETED DATE: 11-30-06

### ALTERNATES

	A	B		
ESTIMATED NO. OF PARCELS:	5	7		
RESIDENTIAL RELOCATIONS:	0 / 0	0 / 0		
BUSINESS RELOCATIONS:	0 / 0	0 / 0		
LAND AND DAMAGE:	96,188	80,065		
ACQUISITION:	20,000	28,000		
<b>TOTAL ESTIMATED R/W COST:</b>	<b>116,188</b>	<b>108,065</b>		

**THERE ARE NO FIGURES FOR UTILITY INVOLVEMENT ON THIS ESTIMATE.**





# TOWN OF WILKESBORO

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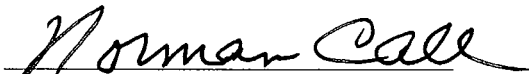
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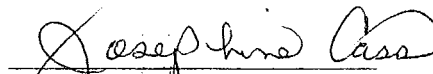
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Attest

  
Town of Wilkesboro Clerk



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Town Manager  
townmanager@wilkesboronorthcarolina.com

JOSEPHINE CASS  
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Mayor Pro Tem  
TOMMY BUMGARNER







STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

Dear.....,

NCDOT has recently met to discuss the resolutions the Wilksboro Town Council furnished us from the October meeting. During our meeting, we focused on two of the resolutions. We noted the desire for a separation between the pedestrian traffic and vehicular traffic. We agree that this would provide for more safety and NCDOT is revising our plans to leave the existing pedestrian bridge as is and to not include a pedestrian ~~fare~~ on the new structure.

We also discussed the issue of a below grade crossing for the future extension of the Greenway system. Preliminary hydraulic studies of the area have provided us with information that shows the area underneath the proposed structure to be insufficient for a Greenway passage. Therefore, at this time, we are unable to provide for a Greenway access. We suggest that once the Wilksboro Town Council has adopted a greenway plan in the area you contact Robert Mosher, AICP, ASLA of the NC Bicycle and Pedestrian Division to discuss the possibility of an "at-grade" signalized pedestrian crossing.

Please feel free to contact me if you have any questions.

Happy Holidays

Tracy A. Walter  
Bridge Project Planning Engineer

cc:

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
PROJECT DEVELOPMENT & ENVIRONMENTAL ANALYSIS BRANCH  
BRIDGE PROJECT DEVELOPMENT UNIT  
1551 MAIL SERVICE CENTER  
RALEIGH NC 27699-1551

TELEPHONE: 919-715-1500  
FAX: 919-715-1501  
WEBSITE: [WWW.NCDOT.ORG](http://WWW.NCDOT.ORG)

**LOCATION:**  
PARKER LINCOLN BLDG  
2728 CAPITAL BLVD – SUITE 168  
RALEIGH NC 27604

**Subject: Bridge Group 58 B-4676 Wilkes County**

**Date:** Wed, 29 Nov 2006 15:49:08 -0500

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Thanks

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Project Manager

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FEDL STATE CODE....	374	CUSTODIAN.....	01
SORTING CODE.....	24	OWNER.....	01
STRUCTURE TYPE.....	0	FEDL AID PROJECT NO.	
OVER UNDER.....	1	FUNCTIONAL CLASS....	09
ROUTE NUMBER.....	31010010	YEAR BUILT.....	1969
DIVISION.....	11	NO. THRU LANES ON...	02
FIPS COUNTY CODE...	193	ADT.....	008100
FIPS PLACE CODE....	74020	YEAR ADT.....	2003
FEATURE INTERSECTED	CUB CREEK	DESIGN LOAD.....	0
CRITICAL DEFENSE...		APPR ROADWAY WIDTH..	019
FACILITY CARRIED...	SR1001	BRIDGE MEDIAN.....	0
LOCATION.....	.15 MI.S.JCT.NC18,NC268	FEDERAL SKEW.....	00
INVEN RTE MIN VC...	99 99	FLARED.....	0
MILEPOINT.....	000.000	SAFETY FEATURES.....	0000
LATITUDE.....	3609054	HISTORICAL SIGNIF...	5
LONGITUDE.....	08108279	NAV CONTROL.....	0
DETOUR LENGTH.....	02	NAV VERT CLEAR.....	000
TOLL.....	3	NAV HORIZ CLEAR.....	0000
POSTED, OPEN/CLOSED....	P	OPERATING RATING.....	130
STRUCTURE TYPE MAIN....	522	INVENTORY RATING.....	109
STRUCT TYPE APPR SPANS..	000	STRUCTURAL APPRAISAL....	2
NUMBER MAIN SPANS.....	003	DECK GEOMETRY APPRAISAL.	2
NUMBER APPROACH SPANS...	0000	UNDERCLEARANCE APPRAISAL	N
TOTAL HORIZ. CLEARANCE..	29.7	SAFE LOAD APPRAISAL.....	2
LENGTH MAXIMUM SPAN....	0029	WATERWAY ADEQUACY.....	7
TOTAL STRUCTURE LENGTH..	000081	APPR ROADWAY ALIGN APRS.	6
SIDEWALK WIDTH LEFT.....	00.4	PROPOSED TYPE WORK.....	311
SIDEWALK WIDTH RIGHT....	00.4	LENGTH OF IMPROVEMENT...	000105
BRIDGE ROADWAY WIDTH....	029.7	LAST INSPECTION.....	03 2005
DECK WIDTH.....	031.1	INSPECTION FREQUENCY....	24
MIN VERT CLR OVER BRG...	99 99	FRACTURE CRITICAL INSP..	N
MIN VERT CLR UNDER BRG..	N 00 00	UNDERWATER INSPECTION...	N
MIN LAT UNDERCLR RIGHT..	N 99.9	OTHER SPECIAL INSPECTION	N
MIN LAT UNDERCLR LEFT...	00.0	FRACTURE CRITICAL DATE..	
BORDER BRIDGE.....		UNDERWATER INSPECT FD E.	
BORDER BRG STRUCTURE NO.		OTHER SPECIAL DATE.....	
BRIDGE IMPROVEMENT COST.	000312	PARALLEL STRUCTURE FLAG.	N
ROADWAY IMPROVE COST....	000078	TRAFFIC DIRECTION.....	2
TOTAL IMPROVEMENT COST..	000468	TEMPORARY STRUCTURE FLAG	
YEAR IMPROVE COST EST...	2006	NATIONAL HWY SYSTEM.....	0
YEAR RECONSTRUCTED.....	0000	AVG TRUCK ADT.....	06
DECK STRUCTURE TYPE.....	1	DESIGNATED TRUCK HWY....	0
WEAR/PROTECTIVE SURFACE.	600	PIER/ABUTMENT PROTECT...	
NBIS BRIDGE.....	Y	SCOUR CRITICAL BRIDGE...	U
FUTURE ADT.....	015200	MIN NAV VC VERT LIFT BRG	
YEAR FUTURE ADT.....	2025	BETWEEN RAILS.....	030.5
DISTRICT.....	3	HEIGHT CROWN TO BED....	013
ROAD SYSTEM CODE.....	L	WATER DEPTH.....	003
FUND SOURCE ORIGINAL....		APPR TRAVELWAY WIDTH....	019
FUND SOURCE REBUILD....		SPECIAL CODE.....	B-4676
BUILT BY - ORIGINAL.....	BMU	YEAR PAINTED.....	
BUILT BY - RECONST.....		PAINT CONDITION.....	
PROJECT - ORIGINAL.....		CITY.....	WILKESBO
PROJECT - RECONST.....		COUNTY.....	WILKES



POSTING UPDATE.....	08 30 2006	STRUCTURAL STEEL LBS..	0000
POSTED SV.....	25	YEAR DECK EVALUATION..	
POSTED TTST.....	28	ABUTMENT FOOTING.....	000
REPLACEMENT STATUS....	K	ABUTMENT SUBSTRUCTURE..	711
SPECIAL PERMIT.....		ABUTMENT CAP.....	531
CONTROLLING MEMBER....	PILE, TIM.	PIER FOOTING MAIN.....	000
NC SKEW.....	090	PIER SUBSTRUCT MAIN...	711
ALIGNMENT.....	TAN	PIER CAP MAIN.....	531
GUARDRAIL TYPE RIGHT..	23 3	PIER FOOTING APPROACH..	000
GUARDRAIL TYPE LEFT...	23 3	PIER SUBSTR APPROACH..	000
PAINT SYSTEM CODE.....		PIER CAP APPROACH.....	000
TYPE SERVICE.....	15	DEFENSE HIGHWAY.....	0
FLOOR & WEAR SURFACE..	PPC.CH/3.5 AWS	ENCROACHMENTS.....	1 LN. UTILITY
BRIDGE NAME.....		NC HWY SYSTEM ON..	14
TYPE SUPERSTRUCT..	PRESTRESSED CONC.CHANNEL (STD.BMD-13)		
TYPE SUBSTRUCTURE..	E.BTS.&INT.BTS:PPC CAPS/TIMBER PILES @ 5'-8 CENTERS		
TYPE SPANS.....	1 @ 25'-4; 1 @ 30'; 1 @ 25'		
BEAMS & GIRDERS...	12 PPC CHANNEL SECTIONS		

----- MAINTENANCE NEEDS -----

CODE	QUANTITY	UNIT COST	CODE	QUANTITY	UNIT COST
1. 568	0000040	0000006.35	7. 000	0000000	0000000.00
2. 580	0000200	0000028.04	8. 000	0000000	0000000.00
3. 578	0000100	0000029.60	9. 000	0000000	0000000.00
4. 556	0000010	0000034.27	10. 000	0000000	0000000.00
5. 000	0000000	0000000.00	11. 000	0000000	0000000.00
6. 000	0000000	0000000.00	12. 000	0000000	0000000.00
INSPECTION MAN HOURS....	00004		UNDER ROUTE MIN VERT CLR.	00 00	
INTRA SYSTEM.....			UNDER NAT. HWY SYSTEM....		
CULVERT.....	0 00 00 0		UNDER FUNCTIONAL CLASS...		
BRIDGE STATUS.....			UNDER ADT.....	000000	
UNDER CODE.....			UNDER YEAR OF ADT.....		
UNDER ROUTE NO.....			UNDER TOTAL HORIZ CLEAR..	00.0	
UNDER MILEPOINT.....	000.000		UNDER DEFENSE HIGHWAY....	0	
UNDER THRU LANES.....	00		UNDER TRAFFIC DIRECTION..		
UNDER DETOUR LENGTH.....	00		UNDER DESIGNAT TRUCK HWY.		
UNDER FEATURE INTERSECT.			UNDER CRIT DEF.		

PREVIOUS POSTED SV.....	26	APPROACH SLABS.....	
PREVIOUS POSTED TTST.....	29	UTILITIES.....	7
LAST UPDATE DATE.....	08 30 2006	RESPONSE TO LIVE LOAD...	7
SUFFICIENCY RATING FLAG...		EST. REMAINING LIFE.....	05
SUFFICIENCY RATING.....	020.1	EXPANSION JOINT.....	
MICROFILM REEL-NO.....		BEARING.....	
MICROFILM POSITION-NO....		2ND OPENING MIN VC.....	00 00
REG. SIGN NOTICE ISSUED...	N	2ND OPENING DESC.....	
PROMPT ACTION NOTICE ISS..	Y	3RD OPENING MIN VC.....	00 00
PRESENTLY POSTED.....	Y	3RD OPENING DESC.....	
SPL INSPECT REQUESTED FOR..	N	4TH OPENING MIN VC.....	00 00
APPROACH ROADWAY CONDITION	7	4TH OPENING DESC.....	
SPECIAL MATERIALS.....		5TH OPENING MIN VC.....	00 00
SPECIAL FEATURES.....		5TH OPENING DESC.....	
FINAL COST.....	00000	GREEN LINE ROUTE.....	N
COSTS: ENGINEERING...	00000	STRUCTURE...	00000
		ROADWAY...	00000
SPECIAL STUDIES CODES:	1... T 2... Y 3... 4... 5...		
SCOUR: ANALYZED...	N	COUNTERMEAS INSTALL/PLAN..	N
		MONITORING PLANNED...	N



		SPANS	GRADE			GRADE
1	DECK WEARING SURFACE.....		6	35	TIMBER A. ABUT & INT BENT CAPS.	
2	DECK				SUBSTR B. PILES, POST, SILLS...	5
	A. CONCRETE.....	003	7		C. BULKHEADS, WINGS.....	5
	B. TIMBER.....	000		36	CONC A. ABUT & INT BENT CAPS.	6
	C. STEEL PLANK.....	000			SUBSTR B. ABUT & BENT COLS.....	
	D. OPEN GRID.....	000			C. ABUT & INT BENT PILES	
3	RAILING				D. BACKWALLS, WINGS.....	
	A. CONCRETE.....				E. ABUT & BENT FOOTINGS.	
	B. TIMBER.....			37	STEEL A. ABUT & INT BENT CAPS.	
	C. ALUMINUM.....				SUBSTR B. PILES & BRACING.....	
	D. STEEL.....		6	38	FOUNDATION PILES.....	
4	CURBS WHEELGUARDS MEDIANS.		6	39	SLOPE PROTECTION, RIP-RAP.....	
5	WALKWAYS (ON OR ATTACH STR).			40	FENDER SYSTEMS.....	
6	DECK			41	DRIFT.....	7
	A. STEEL PLATE.....	000		45	CHANNEL A. WATERWAY.....	6
EXP.	B. MISC PREFAB DEV.	000			B. ALIGNMENT.....	7
JTS	C. COMPRESSION SEAL	000			C. SCOUR.....	6
	D. STD JOINTS.....	002	6		D. SLOPE PROT, RIP-RAP.	
	E. OPEN JOINTS.....	000				
7	DECK DEBRIS.....		7			

----- SUPERSTRUCTURE -----

10	LONGIT BEAMS OR GIRDERS...	5
11	LONGIT JOIST, STRINGERS...	
12	INT DIAPS, BRACING, CONN..	
13	END DIAPS, CURTAIN WALLS..	
14	FLOOR BEAMS & CONNECTION..	
15	BEARING ASSEMBLIES.....	
16	DRAINAGE SYSTEMS.....	6
17	MOVABLE SPAN MACHINERY....	
70	GENERAL A. DECK.....	7
CONDTN	B. SUPERSTRUCTURE.	5
RATINGS	C. SUBSTRUCTURE...	5
	D. CHANNEL & PROT.	6
71	FIELD A. WATERWAY ADEQ..	7
APPRAS	B. APPR RDWY ALIGN	6
72	FIELD SCOUR EVALUATION....	0

---- PIPE & ARCH CULVERTS ----

1	STRUCTURE CONDITION.....	
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WINGWALLS - RETAINING WALLS.....

HEADWALLS - TOEWALLS - FLUMES...

STRUCTURE ALIGNMENT - SETTLEMENT

CHANNEL	WATERWAY.....	6
	ALIGNMENT.....	7
	SCOUR.....	6
	SLOPE PROTECTION.....	
APPROACH	ROADWAY CONDITION.....	7
ESTIMATED	REMAINING LIFE.....	05
CHANNEL &	CHANNEL PROTECTION....	6
CULVERT &	RETAINING WALLS.....	N
WATERWAY	ADEQUACY.....	7
APPROACH	ROADWAY ALIGNMENT.....	6
FIELD	SCOUR EVALUATION.....	0

----- TRUSSES -----

18	LOWER CHORDS & CONNECTIONS.
19	END FLOOR BEAMS & CONNECT..
20	INTERMED FLR BEAMS & CONN..
21	BOT LAT STRUTS-SWAY BRACING
22	LONGITUDINAL STRINGERS.....
23	STRINGER CONN OR BEARINGS..
24	END POSTS.....
25	VERTICALS.....
26	DIAGONALS & CONNECTIONS....
27	PORTAL STRUTS-BRACE & CONN.
28	TOP CHORDS & CONNECTIONS...
29	TOP LAT STRUTS-SWAY BRACING
30	TOP LATERALS & CONNECTIONS.
31	TRUSS ALIGNMENT.....
32	BEARING ASSEMBLIES.....

----- R. C. BOX CULVERTS -----

1	TOP SLAB..	2	BOTTOM SLAB..
3	EXT. & INT. WALLS.....		
7	DRAINAGE SYSTEMS.....		

----- NEW 1997 DATA ITEMS -----

BASE	HIGHWAY NETWORK.....	0
FEDERAL	LANDS HIGHWAYS.....	0
UNDER	AVG DAILY TRUCKS.....	00
LINEAR REFERENCING SYSTEM:		
	LRS INVENTORY ROUTE.....	
	LRS SUBROUTE NUMBER.....	

TIMBER REPLACEMENT STATUS .....

