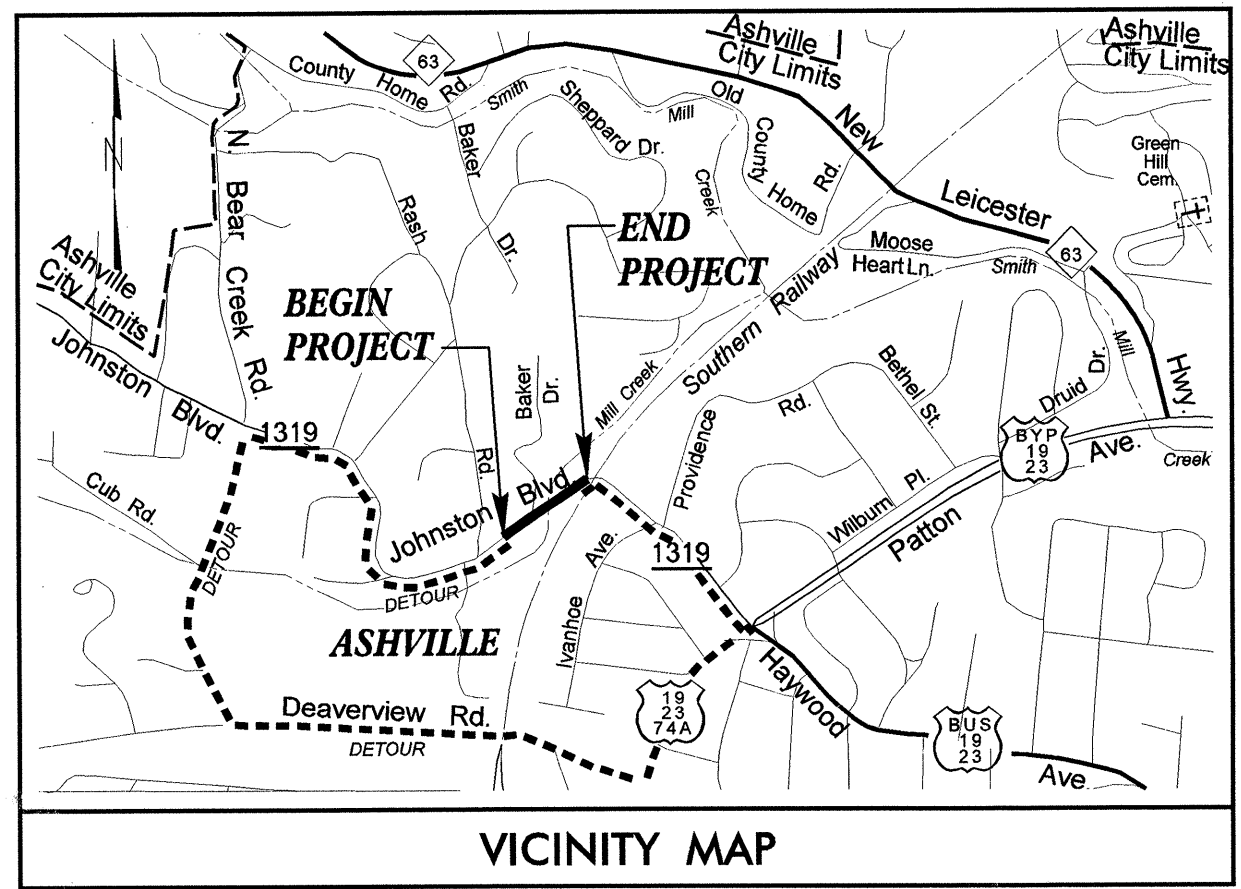


9/05/04

See Sheet 1-A For Index of Sheets



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**BUNCOMBE COUNTY**

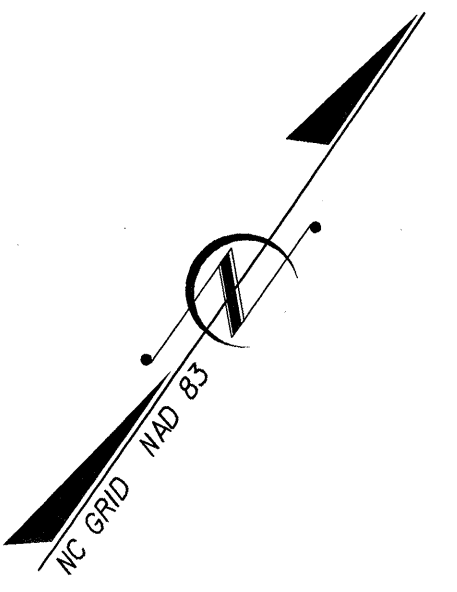
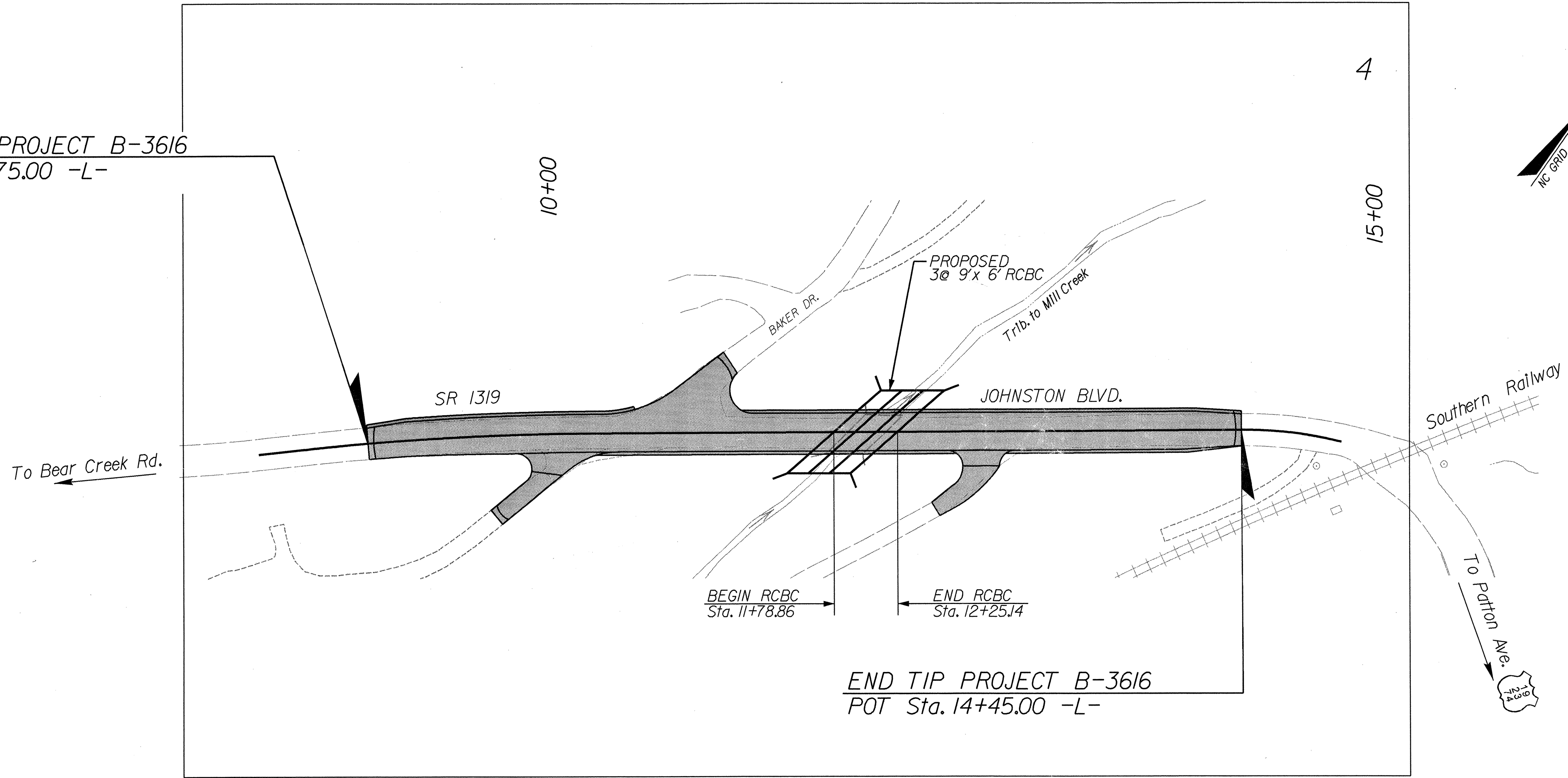
**LOCATION: REPLACEMENT OF BRIDGE NO. 740 AND APPROACHES ON SR 1319 (JOHNSTON BLVD.) OVER TRIBUTARY TO MILL CREEK**  
**TYPE OF WORK: GRADING, PAVING, DRAINAGE, GUARDRAIL & CULVERT**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-3616	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
33166.1.1	BRZ-1319(11)	PE	
33166.2.1	BRZ-1319(11)	R/W & UTIL	
33166.3.1	BRZ-1319(15)	CONST.	

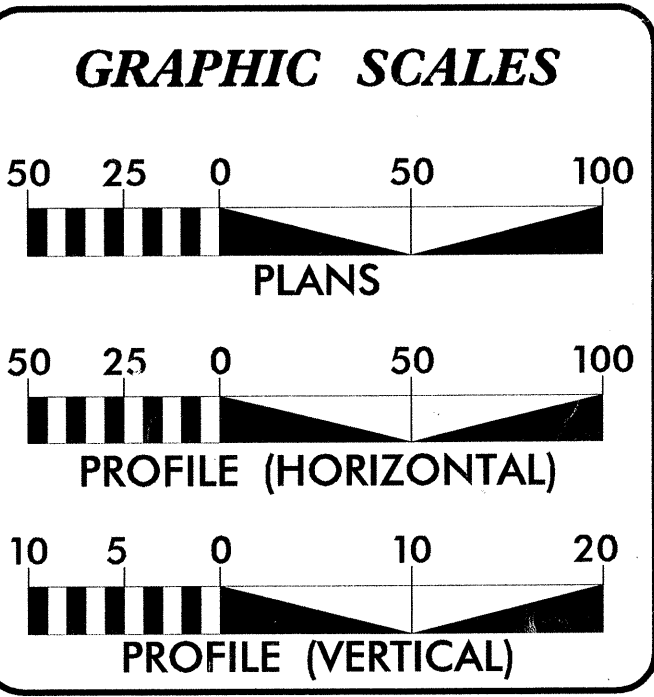
**TIP PROJECT: B-3616**

**CONTRACT: C 200908**

BEGIN TIP PROJECT B-3616  
POC Sta. 8+75.00 -L-



\*\*DESIGN EXCEPTION FOR DESIGN SPEED REQUIRED



**DESIGN DATA**

ADT 2003 =	5,500
ADT 2025 =	7,300
DHV =	8 %
D =	65 %
T =	3 % *
V =	40 MPH**
* TTST 1 %	DUAL 2 %
**	

**PROJECT LENGTH**

LENGTH OF ROADWAY T.I.P. PROJECT B-3616	=	0.099 MI.
LENGTH OF STRUCTURE T.I.P. PROJECT B-3616	=	0.009 MI.
TOTAL LENGTH OF T.I.P. PROJECT B-3616	=	0.108 MI.

Prepared in the Office of:

**Stantec**  
Stantec Consulting Inc.  
Suite 300, 801 Jones Franklin Road  
Raleigh, NC, U.S.A. 27606  
Tel. 919.851.6866 Fax. 919.851.7024  
www.stantec.com

2002 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: AUGUST 15, 2003

LETTING DATE: AUGUST 17, 2004

NCDOT CONTACT: CATHY S. HOUSER, PE  
PROJECT ENGINEER - DESIGN SERVICES

KEVIN J. VAN METRE, PE  
PROJECT ENGINEER

KEITH F. HUDSON  
PROJECT DESIGN ENGINEER

**HYDRAULICS ENGINEER**

Professional Engineer Seal: 18462, 12-23-04

Signature: James C. Davis, P.E.

**ROADWAY DESIGN SIGN**

Professional Engineer Seal: 18187, 11-21-04

Signature: Keith F. Hudson, P.E.

**DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA**

Signature: *cut miller*, P.E.

DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

APPROVED DIVISION ADMINISTRATOR DATE

01/21/2004 4:26:00 PM Design\B3616-RDY-TSH-DGN