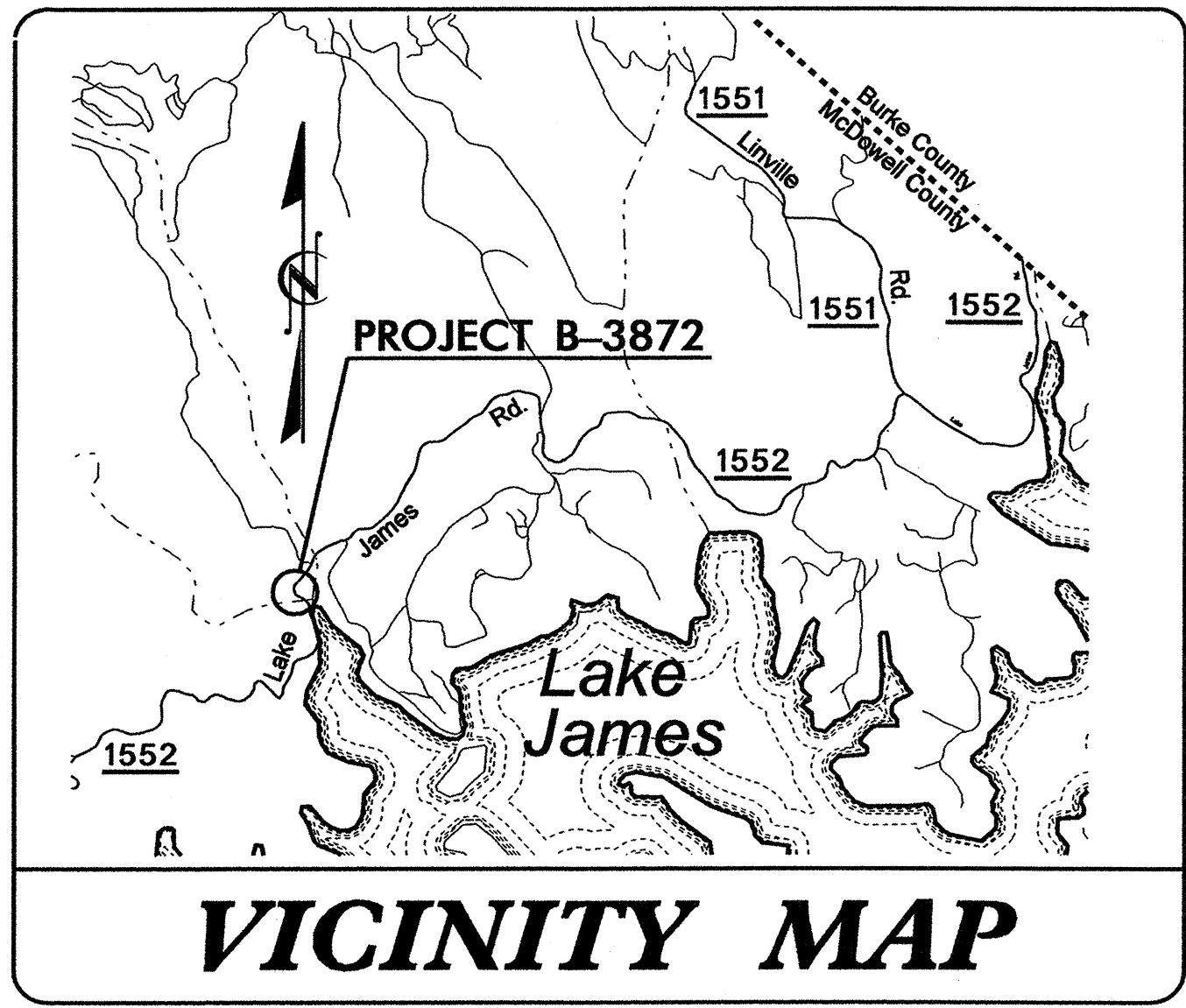


Project: B-3872

STATE	PROJECT NO.	SHEET NO.
N.C.	B-3872	Sig. 1
F.A. PROJ. NO.		
PROJECT ID. NO.		

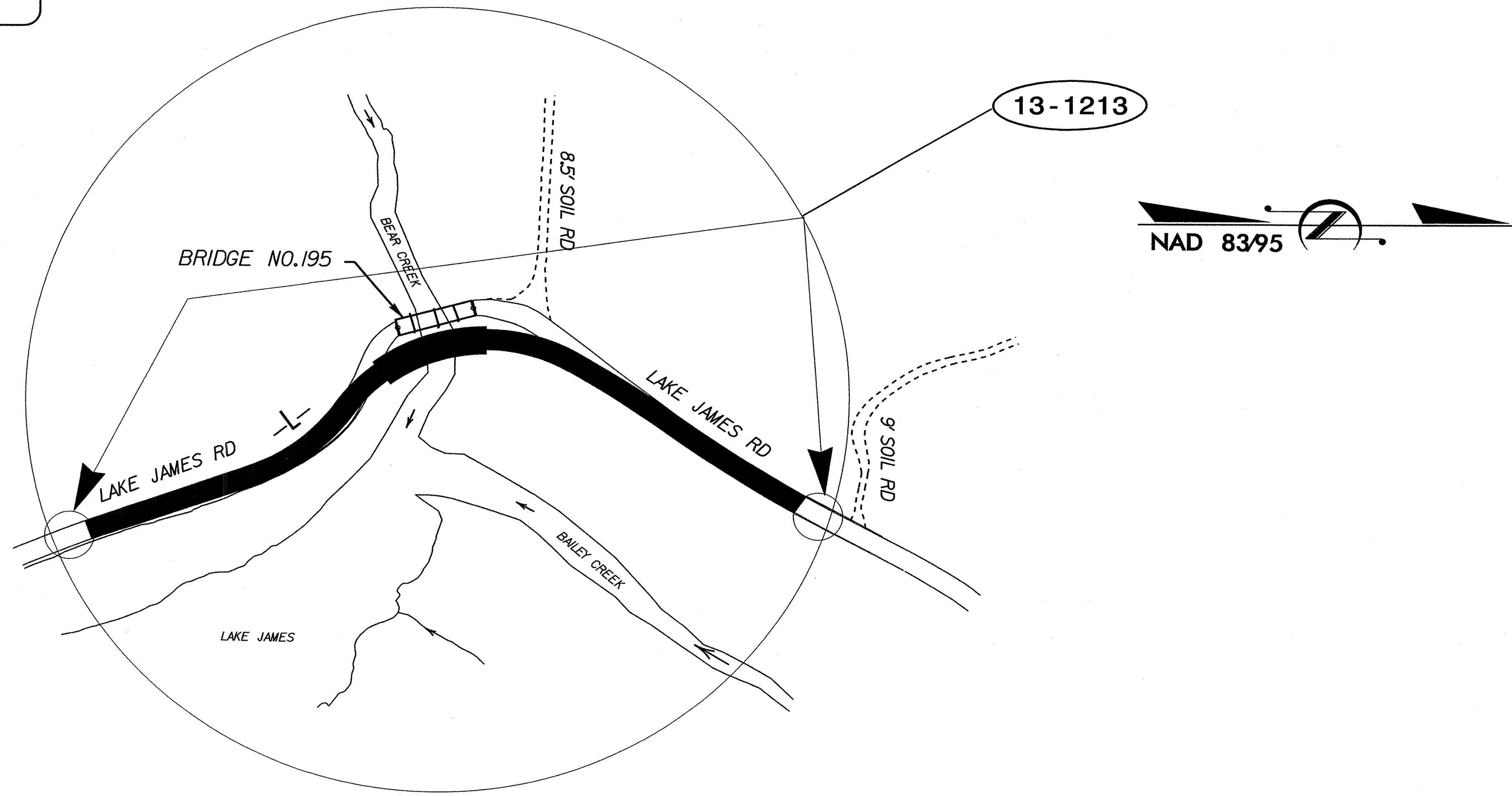


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

McDOWELL COUNTY

**LOCATION: BRIDGE No. 195 ON SR 1552 (LAKE JAMES ROAD)
OVER BEAR CREEK**

TYPE OF WORK: TEMPORARY SIGNAL



INDEX OF PLANS

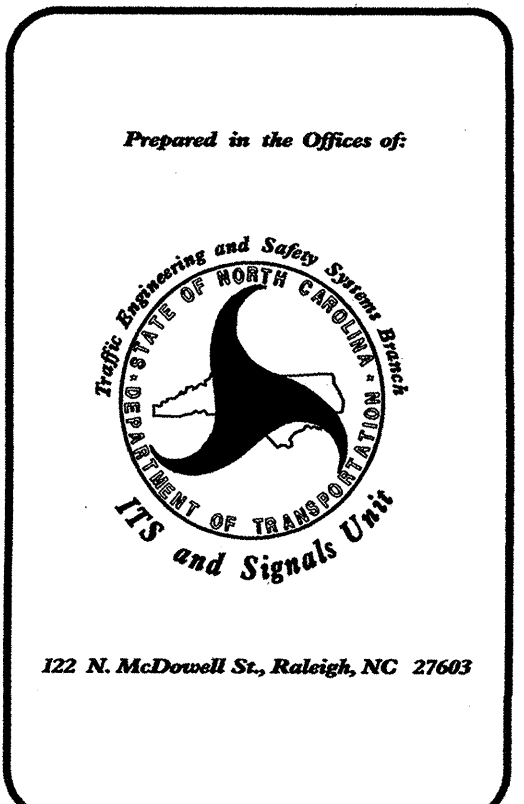
SHEET NUMBER	SIGNAL INVENTORY NUMBER	LOCATION /DESCRIPTION
SIG. 1	—	Title Sheet
SIG. 2	13-1213 T1	SR 1552 (Lake James Road) at Bridge No. 195 Over Bear Creek
SIG. 3	13-1213 T2	SR 1552 (Lake James Road) at Bridge No. 195 Over Bear Creek
SIG. 4	13-1213 T	Electrical Details

LEGEND

(##-####) SIGNAL INVENTORY NUMBER

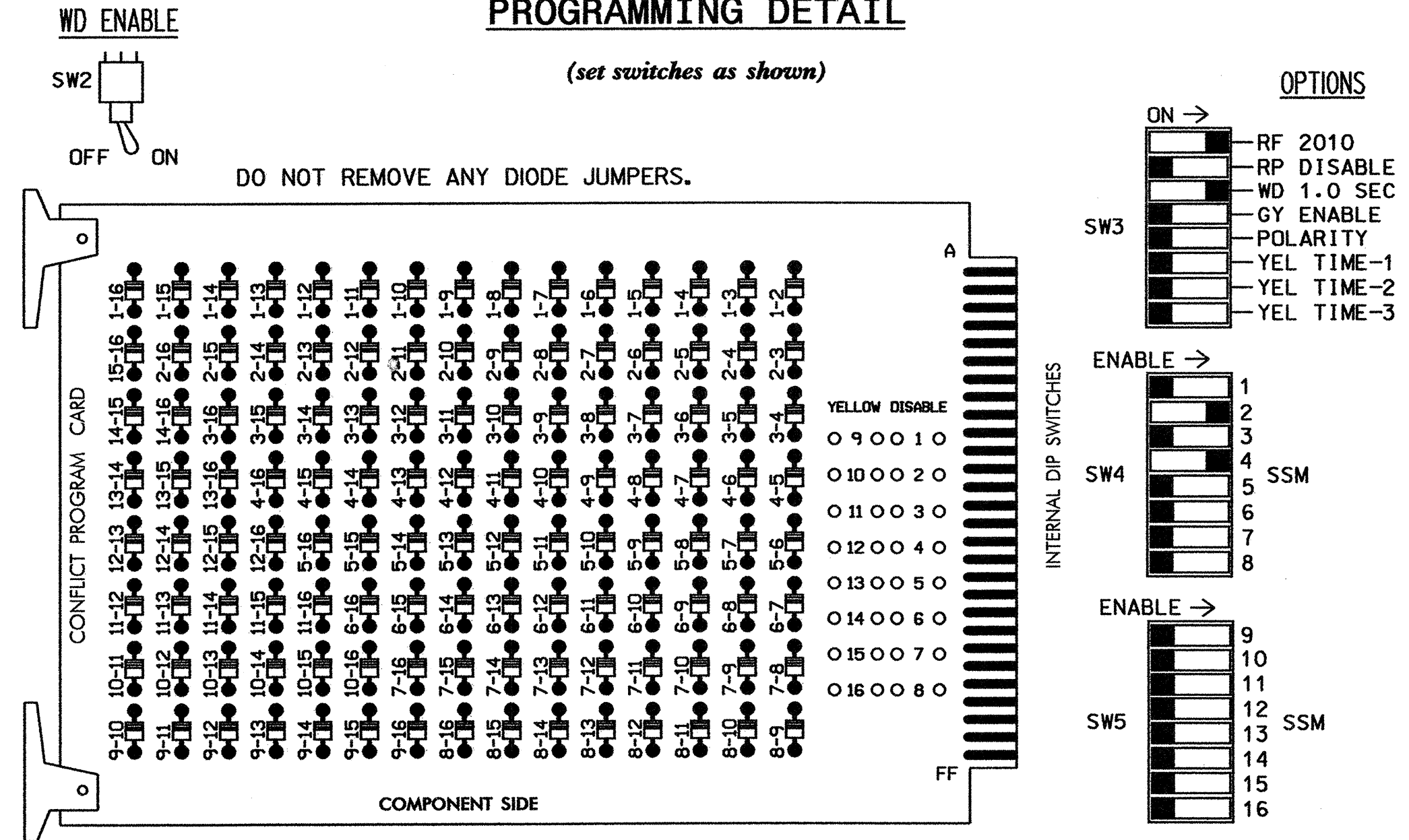
NCDOT CONTACTS:
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH

TIMOTHY J. WILLIAMS, PE- S&G CONTRACTS & PEF SUPPORT ENGINEER
JOHN T. ROWE Jr., PE - SIGNAL EQUIPMENT DESIGN ENGINEER



EDI MODEL 2010ECL CONFLICT MONITOR

PROGRAMMING DETAIL



DO NOT REMOVE ANY JUMPERS AS SHOWN

NOTES:

- CARD IS PROVIDED WITH ALL DIODE JUMPERS IN PLACE. REMOVAL OF ANY JUMPER ALLOWS ITS CHANNELS TO RUN CONCURRENTLY.
- MAKE SURE JUMPERS SEL1-SEL5 ARE PRESENT ON THE MONITOR BOARD.

NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
- Ensure that Red Enable is active at all times during normal operation. To prevent Red Failures on unused monitor channels, tie unused red monitor inputs 1,3,5, 6,7,8,9,10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Program phase 4, on the controller unit, for Start Up In Red Clear. Program phase 2 as First Phase.
- Enable Simultaneous Gap-Out, on the controller unit, for all phases.
- Program phases 2 and 4, on the controller unit, for Red rest.

SIGNAL HEAD HOOK-UP CHART

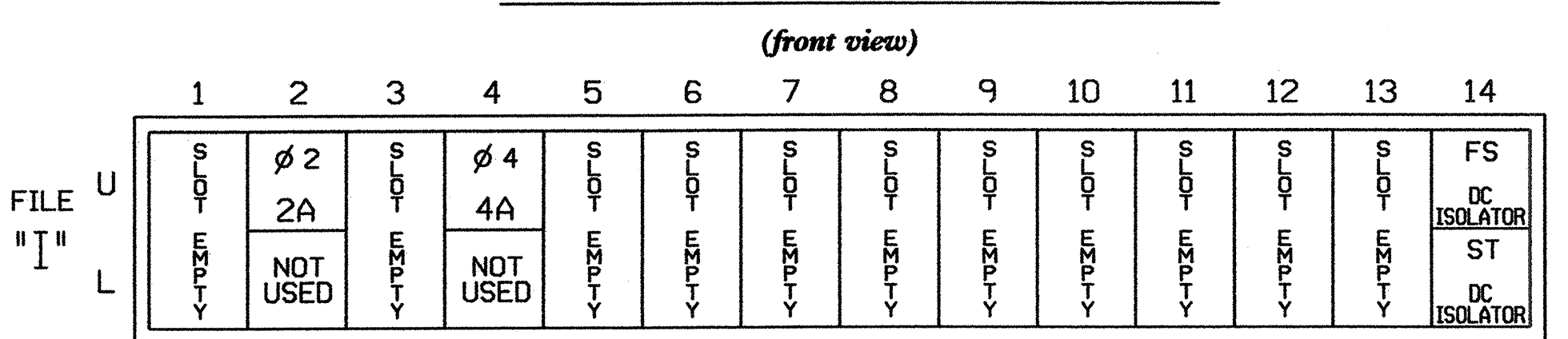
LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	NU	21,22	NU	NU	41,42	NU	NU	NU	NU	NU	NU	NU
RED		128			101							
YELLOW		129			102							
GREEN		130			103							
RED ARROW												
YELLOW ARROW												
GREEN ARROW												

NU = Not Used

EQUIPMENT INFORMATION

CONTROLLER.....CONTRACTOR SUPPLIED 2070L
 CABINET.....CONTRACTOR SUPPLIED 336
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....POLE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S2,S4
 PHASES USED.....2,4
 OVERLAPS.....NONE

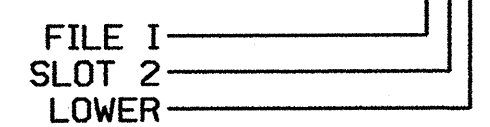
INPUT FILE POSITION LAYOUT



INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
2A	TB21-3,4	I2U	39	1	2	2	Y	Y			
4A	TB21-7,8	I4U	41	3	4	4	Y	Y			

INPUT FILE POSITION LEGEND: I2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-1213T1&T2
 DESIGNED: March 2007
 SEALED: 04-04-07
 REVISED: NA

Temporary Signals 1 & 2

ELECTRICAL AND PROGRAMMING DETAILS FOR: SR 1552 (Lake James Road) at Bridge No. 195 Over Bear Creek

Prepared in the Offices of: [Logo] NORTH CAROLINA PROFESSIONAL ENGINEERS AND SURVEYORS

Division 13 McDowell County near Marion

PLAN DATE: April 2007 REVIEWED BY: T. Joffe

PREPARED BY: James Peterson REVIEWED BY: [Signature]

REVISIONS: [Table with columns for REVISIONS, INIT., DATE]

122 N. McDowell St., Raleigh, NC 27603

SEAL: JOHN T. ROWE, ENGINEER, SEAL 008453

SIGNATURE: [Signature] DATE: 4-5-07

SIG. INVENTORY NO. 13-1213T

04-APR-2007 11:50 s:\jts\signal\work\for\cupss\sig\man\jpeterson\131213t_sml.ele.xxx.dgn jpeterson