

PHASE ONE

INSTALL ALL WORKZONE WARNING SIGNS AS SHOWN ON SHEET TCP-6.
IF WORK ISN'T PURSUED WITHIN 3 DAYS OF SIGN INSTALLATION, THE SIGNS SHALL BE COVERED OR REMOVED IN A METHOD APPROVED BY THE ENGINEER ACCORDING TO SECTION 1110 IN THE STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.

STEP 1

- USING ROADWAY STANDARD DESIGN 1101.03 SHEET 1 OF 9, TEMPORARY ROAD CLOSURE, ROADWAY STANDARD DRAWING 1145.01 SHEET 1 OF 1, BARRICADES, LOCAL NOTES, AND GENERAL NOTE K, BEGIN INSTALLATION OF EQUILIBRIUM PIPES AS SHOWN IN THE ROADWAY DESIGN PLANS.
- REPAIR PAVEMENT AND MARKING AS DIRECTED BY THE ENGINEER.
- REMOVE TRAFFIC CONTROL DEVICES.

STEP 2

USING TRAFFIC CONTROL DEVICES AND NCDOT STANDARDS 1101.02, SHEET 1 OF 7 TEMPORARY LANE CLOSURES, CONSTRUCT THE FOLLOWING:

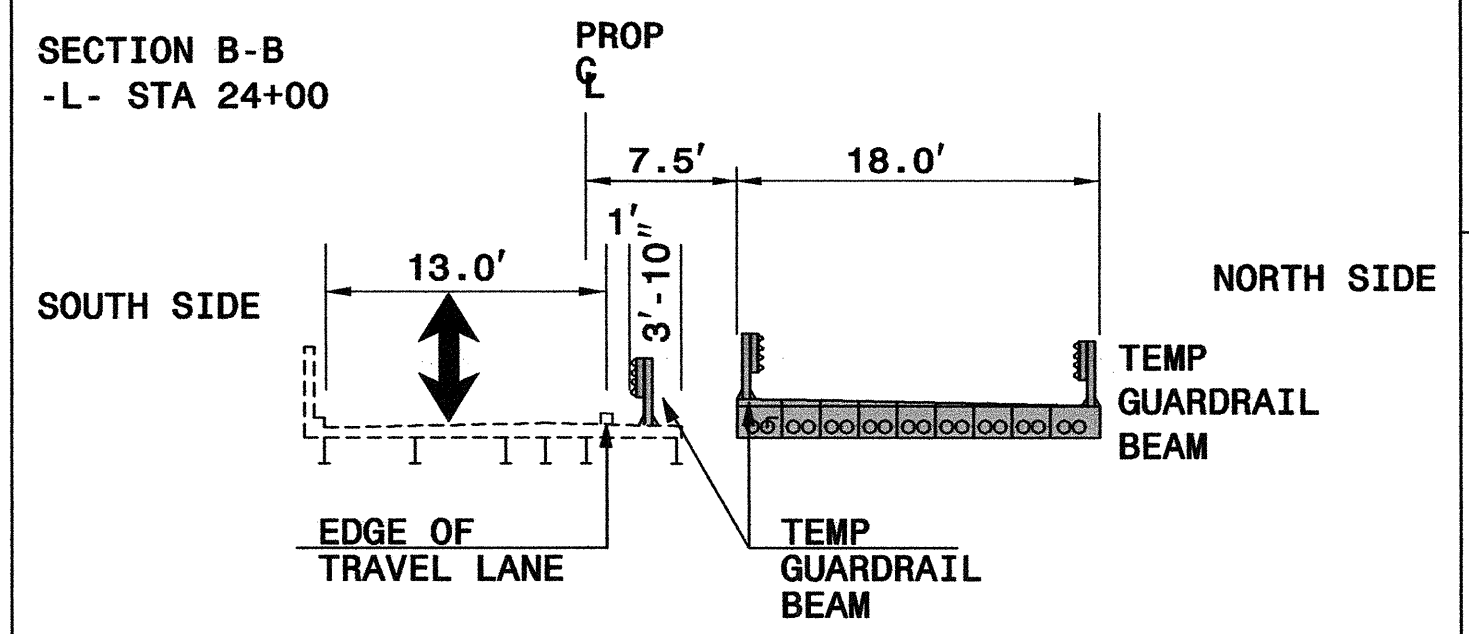
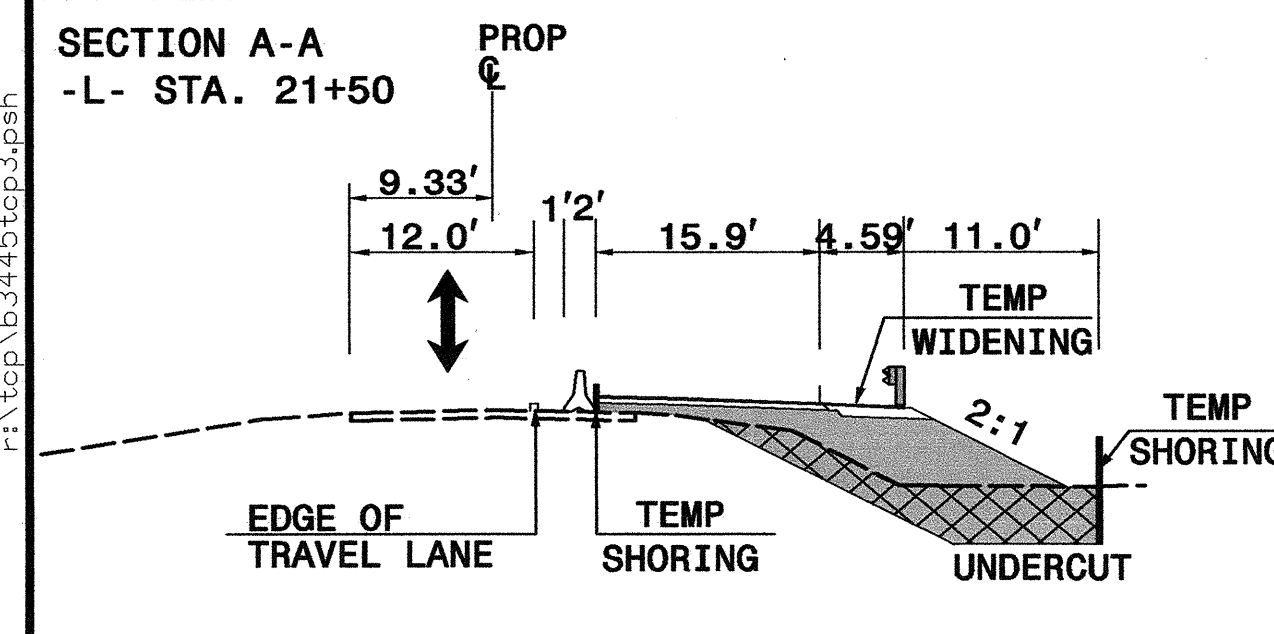
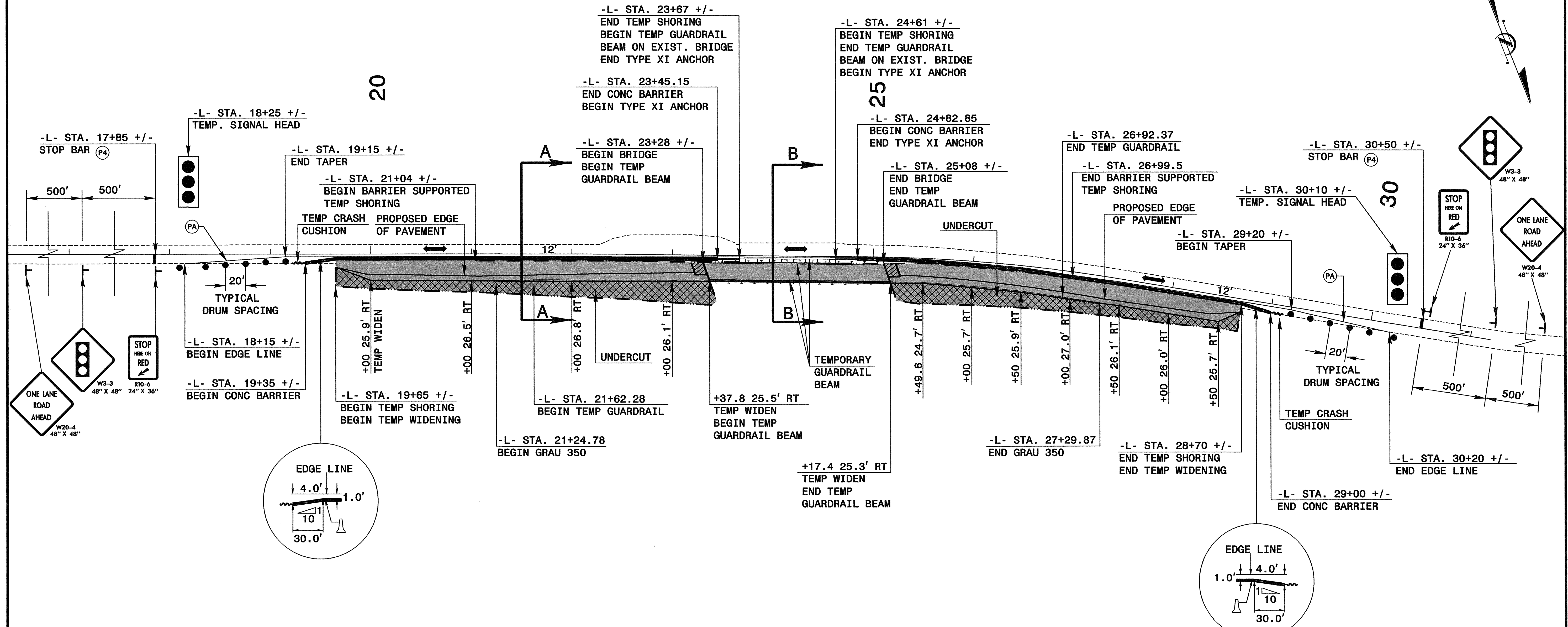
- INSTALL TEMPORARY TRAFFIC SIGNALS FOR TWO-WAY, ONE-LANE TRAFFIC ON THE EXISTING BRIDGE STRUCTURE. SEE SIGNAL PLANS.
- INSTALL TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL PLANS AS SHOWN BELOW. REMOVE CONFLICTING PAVEMENT MARKINGS AND ACTIVATE TRAFFIC SIGNAL PLACING TRAFFIC IN A ONE-LANE, TWO-WAY TRAFFIC PATTERN.
- INSTALL PORTABLE CONCRETE BARRIER, TYPE XI ANCHOR AND TEMPORARY GUARDRAIL BEAM ON EXISTING BRIDGE. REFER TO STRUCTURE DRAWINGS FOR GUARDRAIL DETAIL.

STEP 3

REMOVE THE NORTHERN PORTION OF THE EXISTING BRIDGE OVER COREYS DITCH.

STEP 4

- CONSTRUCT THE NORTHERN PORTION OF THE PROPOSED BRIDGE AS SHOWN BELOW.
- CONSTRUCT UNDERCUT, ROADWAY, PAVED SHOULDER, TEMPORARY WIDENING, TEMPORARY SHORING, TEMPORARY GUARDRAIL BEAM, GRAU 350, AND PARKING AREA UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, OF PROPOSED NC 615 (-L-) AS SHOWN BELOW. SEE ROADWAY PLANS SHEET 2A, DETAIL B FOR TEMP PAVEMENT DESIGN.



FOR TEMPORARY SHORING, THE FOLLOWING SOIL PARAMETERS SHALL BE USED:
 FRICTION ANGLE, $\phi = 30$ degrees
 COHESION, $C = 0$ degrees
 UNIT WEIGHT OF SOIL, $\gamma = 120$ PCF ABOVE WTR
 UNIT WEIGHT OF SOIL, $\gamma = 60$ PCF BELOW WTR

APPROVED: SHANE D. YORK DATE: 11/03/04
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SHANE D. YORK
 11/03/04

PHASE ONE			SCALE: N.A.	<table border="1"> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	REVISIONS							
REVISIONS												
DATE: 11/03/04	DESIGN BY: S. YORK	REVIEWED BY: C. HYATT										
DWG. BY: S. YORK												

11/03/2004
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