

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

<u>STD. NO.</u>	<u>TITLE</u>
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1170.01	POSITIVE PROTECTION
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

MANAGEMENT STRATEGIES

THE SCOPE OF THIS PROJECT IS TO REPLACE AN EXISTING BRIDGE WITH A NEW REINFORCED DOUBLE CONCRETE BOX CULVERT ON A NEW ALIGNMENT PARRALLEL TO THE EXISTING ALIGNMENT. IT WILL INCLUDE PAVEMENT TIE INS TO EXISTING ROADWAYS INCLUDING THE NEW ALIGNMENT INTERSECTION WITH NC 88 / 194.

THIS PROJECT WILL INCLUDE WORK ZONE ADVANCE WARNING SIGNS.

TRAFFIC WILL BE MAINTAINED ON THE EXISTING ALIGNMENT TO CONSTRUCT THE NEW DOUBLE CONCRETE BOX CULVERT AND THE NEW ROADWAY. FLAGGING WILL BE UTILIZED TO CONSTRUCT TIE INS TO THE EXISTING ROADWAYS. A LANE CLOSURE ICT WILL BE UTILIZED TO PROHIBIT FLAGGING/LANE CLOSURES ON NC 88 / 194 DURING MORNINGS AND AFTERNOONS MONDAY THRU FRIDAY.

DRUMS AND WATER FILLED BARRIER WILL BE UTILIZED TO SEPARATE TRAFFIC FROM CONSTRUCTION AREAS. TYPE III BARRICADES WILL BE UTILIZED TO ENSURE TRAFFIC STAYS OFF ROADS UNDER CONSTRUCTION AND/OR ANY CLOSED ROAD.

THE EXISTING BRIDGE WILL BE DEMOLISHED AND REMOVED AWAY FROM TRAFFIC.

FLAGGING/LANE CLOSURES WILL BE UTILIZED TO PLACE SURFACE COURSE AND PAVEMENT MARKINGS/MARKERS.

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- TEMPORARY SHORING

WORK AREA

REMOVAL

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- WATER FILLED BARRIER (WFB)
- CONE
- DRUM SKINNY DRUM
- FLAGGER

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PHASING

PHASE I

STEP 1: - PLACE ADVANCE WORK ZONE WARNING SIGNS ALONG NC 88 / 194, SR 1509 AND SR 1510 IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1101.01, SHEET 3 OF 3.

STEP 2: - INSTALL DRUMS ALONG THE EXISTING SHOULDERS OF NC 88 / 194, SR 1509 AND SR 1510 AS SHOWN ON SHEET TMP-3.

STEP 3: - AWAY FROM TRAFFIC AND USING FLAGGING OPERATIONS PER ROADWAY STANDARD DRAWING NO. 1101.02 SHEET 1 OF 9 AS NECESSARY:

A. -- INSTALL NEW REINFORCED CONCRETE BOX CULVERTS (2@9'X8'). SEE SHEET TMP-3.

B. -- CONSTRUCT THE NEW -L- ROADWAY AND THE RIGHT SIDE DRIVE TURN OUT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.

STEP 4 - AWAY FROM TRAFFIC AND USING FLAGGING OPERATIONS PER ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9 AS NECESSARY:

A. -- PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS ALONG -L- AND -EY1- (CLAYBANK ROAD) IN THE FINAL PATTERN. SEE TMP-4 AND FINAL PAVEMENT MARKING PLANS.

B. -- OBLITERATE ANY EXISTING MARKINGS ALONG -EY- (NC 88 / 194) CONFLICTING WITH THE FINAL PATTERN DEPICTED ON TMP-4 AND FINAL PAVMENT MARKING PLANS.

STEP 5 - SIMULTANEOUSLY RELOCATE THE TYPE III BARRICADES TO CLOSE EXISTING -EY1- (CLAYBANK ROAD) AT NC 88 / 194, REMOVE DRUMS AND WATER FILLED BARRIER AS NECESSARY THEN OPEN TRAFFIC TO THE FINAL TRAFFIC PATTERN.

PHASE II

STEP 1: - USING FLAGGING OPERATIONS PER ROADWAY STANDARD DRAWING NO. 1101.02 SHEET 1 OF 9 COMPLETE CONSTRUCTION OF THE -L- TIE INS UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.

STEP 2: - AWAY FROM TRAFFIC DEMO/REMOVE THE EXISTING BRIDGE (SEE SHEET TMP-4).

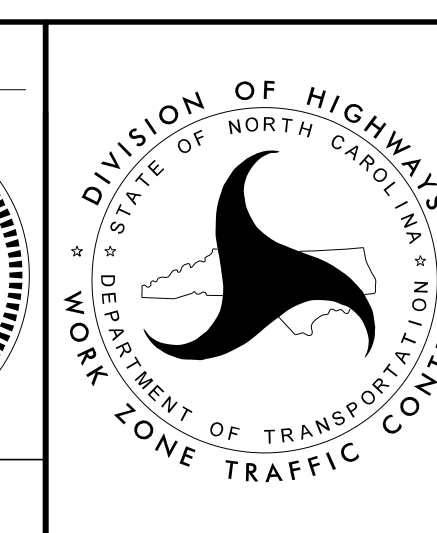
STEP 3: - USING FLAGGING OPERATIONS PER ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9 INSTALL THE FINAL LAYER OF SURFACE COURSE ON -L- AND -EY- (NC 88 / 194) AS NECESSARY, INSTALL THE REMAINING GUARDRAIL AND INSTALL THE FINAL PAVEMENT MARKINGS AS SHOWN ON THE FINAL PAVEMENT MARKING PLANS THEN OPEN TO THE FINAL TRAFFIC PATTERN.

STEP 4: - REMOVE ANY REMAINING TRAFFIC CONTROL SIGNS AND DEVICES.

APPROVED:

DATE: 2/10/2016

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



ROADWAY STANDARD
DRAWINGS, MANAGEMENT
STRATEGIES, LEGEND
AND PHASING