

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS"-
ROADWAY DESIGN 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:

| STD. NO. | TITLE |
|----------|---|
| 1101.01 | WORK ZONE ADVANCE WARNING SIGNS |
| 1101.02 | TEMPORARY LANE CLOSURES |
| 1101.04 | TEMPORARY SHOULDER CLOSURES |
| 1101.05 | WORK ZONE VEHICLE ACCESSES |
| 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 | FLAGGERS |
| 1160.01 | TEMPORARY CRASH CUSHION |
| 1170.01 | POSITIVE PROTECTION |
| 1180.01 | SKINNY DRUMS |
| 1205.01 | PAVEMENT MARKINGS - LINE TYPES & OFFSETS |
| 1205.02 | PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS |
| 1205.12 | PAVEMENT MARKINGS - BRIDGES |
| 1250.01 | PAVEMENT MARKER SPACING |
| 1251.01 | RAISED PAVEMENT MARKERS (TEMPORARY & PERMANENT) |
| 1261.01 | GUARDRAIL & BARRIER DELINEATOR SPACING |
| 1261.02 | GUARDRAIL & BARRIER DELINEATOR TYPES |
| 1262.01 | GUARDRAIL END DELINEATION |

INDEX OF SHEETS

| SHEET NO. | TITLE |
|-----------|--|
| TCP-1 | LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, PAV'T MARKING SCHEDULE AND INDEX OF SHEETS |
| TCP-2 | GENERAL NOTES |
| TCP-3 | PHASE I PHASING AND OVERVIEW |
| TCP-3A | PHASE I TEMPORARY SHORING NOTES |
| TCP-4 | PHASE II PHASING AND OVERVIEW |

PAV'T MARKING SCHEDULE

| DESCRIPTION | PAY ITEM |
|------------------------------|--------------------------|
| WHITE EDGELINE 2X | PAINT (4") |
| YELLOW DOUBLE CENTER LINE 2X | PAINT (4") |
| WHITE STOP BAR 2X | PAINT (24") |
| YELLOW AND YELLOW | TEMPORARY RAISED MARKERS |
| CRYSTAL AND CRYSTAL | TEMPORARY RAISED MARKERS |

LEGEND

- GENERAL**
- DIRECTION OF TRAFFIC FLOW
 - NORTH ARROW
 - PROPOSED PVMT.
 - EXIST. PVMT.
 - PROPOSED CONSTRUCTION
 - REMOVAL OF EXIST. PAVEMENT AND BRIDGE

- TRAFFIC CONTROL DEVICES**
- TYPE I BARRICADE
 - TYPE II BARRICADE
 - TYPE III BARRICADE
 - CONE
 - DRUM
 - FLASHING ARROW PANEL (TYPE C)
 - TYPE 'B' WARNING LIGHT
 - STATIONARY SIGN
 - PORTABLE SIGN
 - WARNING FLAGS
 - CRASH CUSHION
 - CHANGEABLE MESSAGE SIGN
 - TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
 - POLICE
 - FLAGGER
 - DRUM (PROFILE)

- PAVEMENT MARKINGS**
- CRYSTAL PAVEMENT MARKER
 - YELLOW/YELLOW PAVEMENT MARKER
 - CRYSTAL/RED PAVEMENT MARKER
 - PAVEMENT MARKING SYMBOLS

PROJECT NO. 37580
COUNTY: YANCEY
STATION: 16+20.00

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE NO. 119 ON SR 1395
OVER BALD MOUNTAIN CREEK

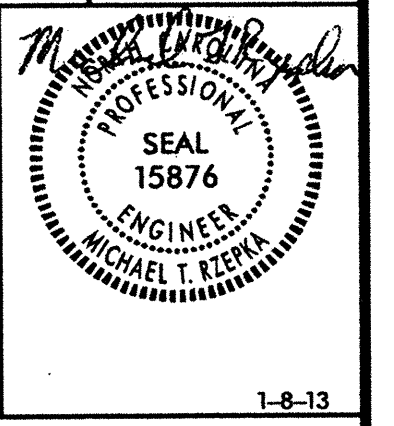
FH Florence & Hutcheson
CONSULTING ENGINEERS
5121 Kingdom Way, Suite 100 Raleigh, NC 27607
NC License No: P-0256

| REVISIONS | | | | | | SHEET NO. | |
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| NO. | BY | DATE | NO. | BY | DATE | TCP-1 | |
| 1 | | | 3 | | | TOTAL SHEETS | |
| 2 | | | 4 | | | | |

DRAWN BY: GE PARKER DATE: FEBRUARY 2012
CHECKED BY: MT RZEPKA DATE: FEBRUARY 2012

7/27/99
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Florence & Hutcheson, Inc.

PROJECT NOTES



GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRABLE OVERLAPPING OF DEVICES, MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- A) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED, OR AS DIRECTED BY THE ENGINEER.
- B) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- C) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- D) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPEN TRAVEL LANE THAT HAS A DROP-OFF AS FOLLOWS:

 BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

 BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

 BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- E) DO NOT EXCEED A DIFFERENCE OF 2 inches IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NORMAL LIFTS OF 1.5 inches. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 500 FT IN ADVANCE AND A MINIMUM OF ONCE EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

- F) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- G) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- H) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC BARRIER

- I) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRAFFIC CONTROL PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION, PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRAFFIC CONTROL PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE/RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRAFFIC CONTROL PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWN STREAM SIDE OF TRAFFIC.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

- J) PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED IMPACT ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS.

| POSTED SPEED LIMIT | MINIMUM OFFSET |
|--------------------|----------------|
| 40 OR LESS | 15 FT |
| 45-50 | 20 FT |
| 55 | 25 FT |
| 60 MPH OR GREATER | 30 FT |

TRAFFIC CONTROL DEVICES

- K) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTERS IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), FOR ADDITIONAL REQUIREMENTS.

PAVEMENT MARKINGS AND MARKERS

- L) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

| ROAD NAME | MARKING | MARKER |
|------------------------------|---------------|---------------------|
| SR 1395 (BALD MOUNTAIN ROAD) | THERMOPLASTIC | SNOWPLOWABLE RAISED |

- M) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

| ROAD NAME | MARKING | MARKER |
|------------------------------|---------|------------------|
| SR 1395 (BALD MOUNTAIN ROAD) | PAINT | TEMPORARY RAISED |

- N) PLACE AT LEAST TWO APPLICATIONS OF PAINT PAVEMENT MARKINGS ON THE FINAL WEARING SURFACE ON NEW ASPHALT PAVEMENT. PLACE ADDITIONAL APPLICATIONS OF PAINT UPON SUFFICIENT DRYING TIME, AS DETERMINED BY THE ENGINEER.

- O) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

- P) PLACE ONE APPLICATIONS OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.

TEMPORARY SIGNALS

- Q) TEMPORARY TRAFFIC SIGNALS SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR. (SEE SPECIAL PROVISION)

MISCELLANEOUS

- R) CONTRACTOR TO MAINTAIN DRIVEWAY ACCESS AT ALL TIMES.

PROJECT NO. 37580
 COUNTY: YANCEY
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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

BRIDGE NO. 119 ON SR 1395
 OVER BALD MOUNTAIN CREEK

Florence & Hutcheson
 CONSULTING ENGINEERS
 5121 Kingdom Way, Suite 100 Raleigh, NC 27607
 NC License No: F-8258

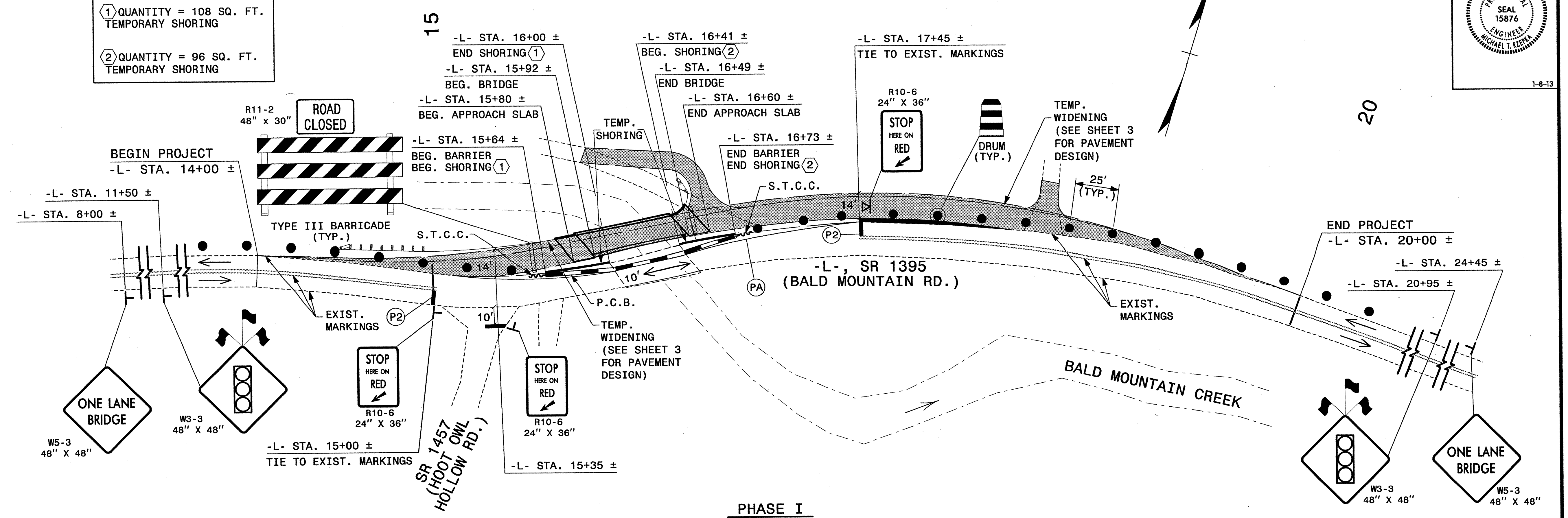
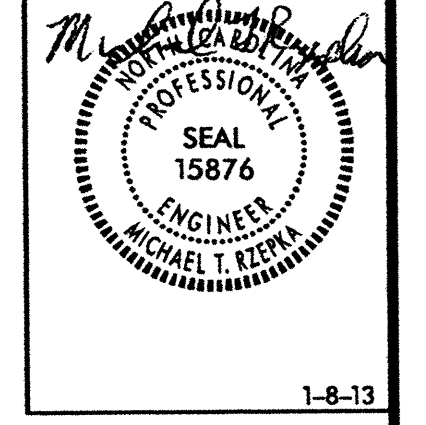
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TOTAL SHEETS: TCP-2

7/2/99
 1/8/2013
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 Florence & Hutcheson, Inc.

PHASE I OVERVIEW

PROJECT REFERENCE NO. BK-5126 SHEET NO. TCP-3



PHASE I

- STEP 1: - USING ROADWAY STANDARD DRAWING NUMBER 1101.02, SHEET 1 OF 15, INSTALL ADVANCE WARNING SIGNS 500' PRIOR TO W5-3 SIGNS (SEE ROADWAY STANDARD DRAWING NUMBER 1101.01).
- STEP 2: - USING ROADWAY STANDARD DRAWING NUMBER 1101.02, SHEET 1 OF 15, INSTALL TEMPORARY SIGNAL, KEEPING SIGNAL HEADS COVERED (SEE SPECIAL PROVISION).
- STEP 3: - USING ROADWAY STANDARD DRAWING NUMBER 1101.02, SHEET 1 OF 15, INSTALL SIGNAL AHEAD SIGNS, "STOP HERE ON RED" SIGNS AND "ONE LANE BRIDGE" SIGNS AS SHOWN, KEEPING SIGNS COVERED.

WORKING IN A CONTINUOUS MANNER COMPLETE THE FOLLOWING WORK IN PHASE I, STEP 4, AS SHOWN, USING ROADWAY STANDARD DRAWING NUMBER 1101.02, SHEET 1 OF 15.

- STEP 4: - REMOVE EXISTING DOUBLE YELLOW CENTER LINES, LEFT EDGE LINE AND PAVEMENT MARKERS FROM -L- STA. 15+00 ± TO -L- STA. 17+45 ±.
- PLACE TEMPORARY MARKINGS (PAINT) AND MARKERS (TEMPORARY RAISED), FROM -L- STA. 15+00 ± TO -L- STA. 17+45 ±, AS SHOWN AND IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NUMBER 1205.12, SHEET 1 OF 1 (ONE LANE BRIDGE).
- UNCOVER TEMPORARY SIGNAL, SIGNAL AHEAD SIGNS, "STOP HERE ON RED SIGNS" AND "ONE LANE BRIDGE SIGNS", ACTIVATE TEMPORARY SIGNAL AND PLACE SR 1395 (BALD MOUNTAIN RD.) TRAFFIC IN A ONE-LANE, TWO-WAY PATTERN FROM -L- STA. 15+00 ± TO -L- STA. 17+45 ±.

WORKING IN A CONTINUOUS MANNER, COMPLETE THE FOLLOWING WORK IN PHASE I, STEP 5, AS SHOWN, USING FLAGGERS, FLAGGER AHEAD SIGNS AND DRUMS.

- STEP 5: - REMOVE EXISTING NORTH RAIL.
- REMOVE BEAM 1 AND PLACE IN BETWEEN BEAMS 3 AND 4 (SEE SHEET S-3, STAGE 1).
- PLACE TEMPORARY BARRIER LEFT OF -L- FROM -L- STA. 15+64 ± TO -L- STA. 16+73 ±, KEEPING ENDS PROTECTED BY TEMPORARY CRASH CUSHIONS.
- STEP 6: - BEHIND TEMPORARY BARRIER, PLACE SHORING BARRIER-SUPPORTED, LEFT OF -L- AT THE FOLLOWING LOCATIONS AS SHOWN:
 - L- STA. 15+64 ± TO -L- STA. 16+00 ±
 - L- STA. 16+41 ± TO -L- STA. 16+73 ±

- STEP 7: - BEHIND TEMPORARY BARRIER REMOVE PORTION OF EXISTING STRUCTURE (SEE SHEET S-3, STAGE 1).

- STEP 8: - BEHIND TEMPORARY BARRIER, BEGIN CONSTRUCTION OF PROPOSED STRUCTURE LEFT OF -L- FROM -L- STA. 15+80 ± TO -L- STA. 16+60 ±, AS SHOWN (SEE STRUCTURE PLANS AND SHEET 2, STAGE 2).

COMPLETE THE FOLLOWING WORK IN PHASE I, STEPS 9 AND 10, USING ROADWAY STANDARD DRAWING NUMBER 1101.02, SHEET 1 OF 15.

- STEP 9: - CONSTRUCT LEFT OF -L- 14' MIN. OF PROPOSED -L- INCLUDING GUARDRAIL AND TEMPORARY WIDENING, UP TO BUT NOT INCLUDING THE LAYER OF SURFACE COURSE, FROM -L- STA. 15+35 ± TO -L- STA. 17+45 ±, AS SHOWN (SEE ROADWAY PLANS).
- CONSTRUCT PROPOSED DRIVEWAYS LEFT OF -L-, AS SHOWN (SEE ROADWAY PLANS).
- STEP 10: - CONSTRUCT LEFT OF -L-, UP TO THE EXISTING EDGE AND ELEVATION, INCLUDING TEMPORARY WIDENING AT THE FOLLOWING LOCATIONS, AS SHOWN (SEE ROADWAY PLANS):
 - L- STA. 14+00 ± TO -L- STA. 15+35 ±
 - L- STA. 17+45 ± TO -L- STA. 20+00 ±
- STEP 11: - BEHIND TEMPORARY BARRIER, COMPLETE CONSTRUCTION OF PROPOSED STRUCTURE, LEFT OF -L- FROM -L- STA. 15+80 ± TO -L- STA. 16+60 ±, AS SHOWN (SEE STRUCTURE PLANS AND SHEET S-3, STAGE 2).

LEGEND

■ PROPOSED CONSTRUCTION

PROJECT NO. 37580
 COUNTY: YANCEY
 STATION: 16+20.00

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

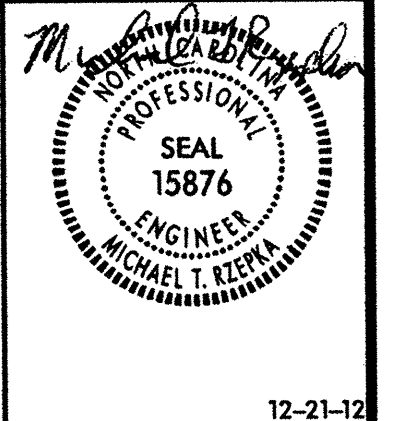
BRIDGE NO. 119 ON SR 1395
 OVER BALD MOUNTAIN CREEK

Florence & Hutcheson
 CONSULTING ENGINEERS
 5121 Kingston Way, Suite 100 Raleigh, NC 27607
 NC License No. F-0256

| REVISIONS | | | | | | SHEET NO. | |
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| NO. | BY | DATE | NO. | BY | DATE | TCP-3 | |
| 1 | | | 3 | | | TOTAL SHEETS | |
| 2 | | | 4 | | | | |

PHASE I TEMPORARY SHORING NOTES

| | |
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| PROJECT REFERENCE NO. BK-5126 | SHEET NO. TCP-3A |
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12-21-12

TEMPORARY SHORING NO. ①

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION 15+64.00± -L-, 2.1± FT. RIGHT OF -L-, TO STATION 16+00.00± -L-, 4.0± FT. RIGHT OF -L-. SEE STANDARD DRAWING NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

DESIGN SHORING FROM STATION 15+64.00± -L-, 2.1± FT. RIGHT OF -L-, TO STATION 16+00.00± -L-, 4.0± FT. RIGHT OF -L-. FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:
 UNIT WEIGHT (γ) = 120 PCF
 FRICTION ANGLE, ϕ = 30 DEGREES
 COHESION, c = 0 PSF

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING FROM STATION 15+64.00± -L-, 2.1± FT. RIGHT OF -L-, TO STATION 16+00.00± -L-, 4.0± FT. RIGHT OF -L-. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

TEMPORARY SHORING NO. ②

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION 16+41.00± -L-, 3.2± FT. RIGHT OF -L-, TO STATION 16+73.00± -L-, 3.7± FT. RIGHT OF -L-. SEE STANDARD DRAWING NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

DESIGN SHORING FROM STATION 16+41.00± -L-, 3.2± FT. RIGHT OF -L-, TO STATION 16+73.00± -L-, 3.7± FT. RIGHT OF -L-. FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:
 UNIT WEIGHT (γ) = 120 PCF
 FRICTION ANGLE, ϕ = 30 DEGREES
 COHESION, c = 0 PSF

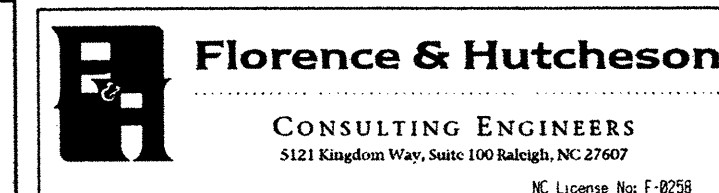
LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING FROM STATION 16+41.00± -L-, 3.2± FT. RIGHT OF -L-, TO STATION 16+73.00± -L-, 3.7± FT. RIGHT OF -L-. LEFT OF EXISTING E.O.P. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

PROJECT NO. 37580
COUNTY: YANCEY
STATION: 16+20.00

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**BRIDGE NO. 119 ON SR 1395
 OVER BALD MOUNTAIN CREEK**

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENT WAS SUBMITTED ON 12-10-2012 AND SEALED BY A PROFESSIONAL ENGINEER, SHANE C. CLARK, PE.

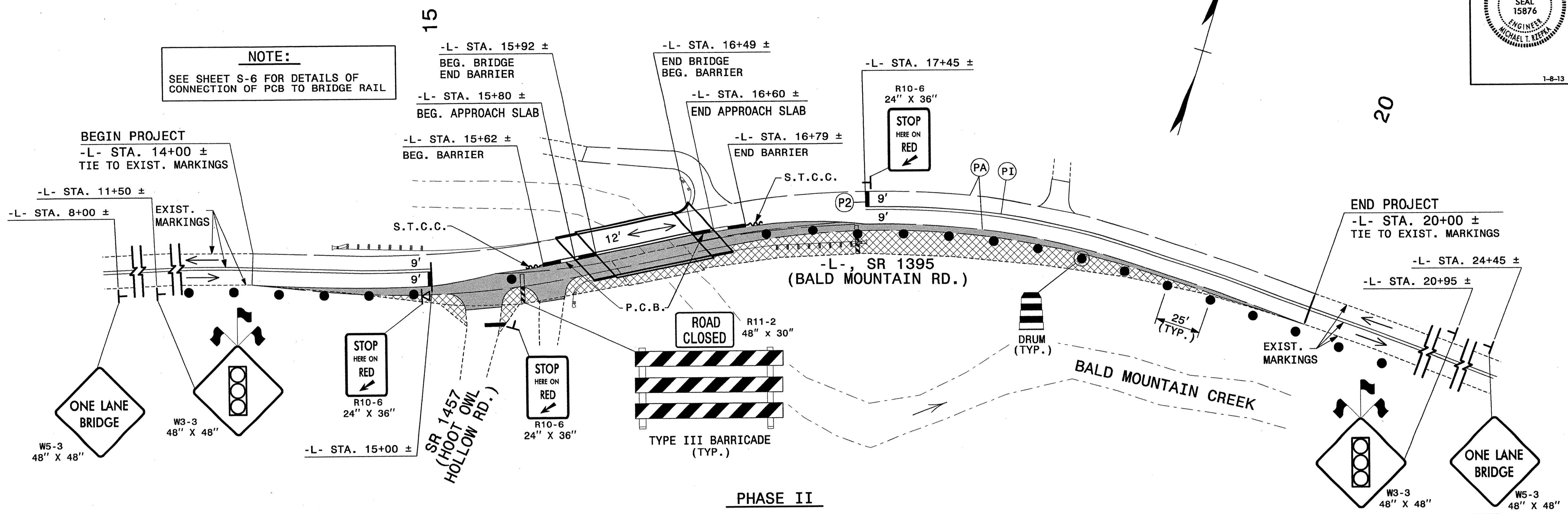


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PHASE II OVERVIEW

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| PROJECT REFERENCE NO. BK-5126 | SHEET NO. TCP-4 |
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1-8-13



NOTE:
SEE SHEET S-6 FOR DETAILS OF CONNECTION OF PCB TO BRIDGE RAIL

BEGIN PROJECT
-L- STA. 14+00 ±
TIE TO EXIST. MARKINGS

END PROJECT
-L- STA. 20+00 ±
TIE TO EXIST. MARKINGS

WORKING IN A CONTINUOUS MANNER, COMPLETE THE FOLLOWING WORK IN PHASE II, STEP 1, USING FLAGGERS, FLAGGER AHEAD SIGNS AND DRUMS.

WORKING IN A CONTINUOUS MANNER, COMPLETE THE FOLLOWING WORK IN PHASE II, STEP 7, AS SHOWN, USING FLAGGERS, FLAGGER AHEAD SIGNS AND DRUMS (SEE STRUCTURE PLANS, ROADWAY PLANS AND SHEET S-3, STAGE 4).

- STEP 1:** - RESET BARRIER TO THE FOLLOWING LOCATIONS, AS SHOWN:
- L- STA. 15+62 ± TO -L- STA. 15+92 ±
 - L- STA. 16+49 ± TO -L- STA. 16+79 ±
- REMOVE ALL EXISTING PAVEMENT MARKINGS AND MARKERS FROM -L- STA. 14+00 ± TO -L- STA. 20+00 ±.
- PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AND MARKERS (TEMPORARY RAISED), FROM -L- STA. 14+00 ± TO -L- STA. 20+00 ±, AS SHOWN AND IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NUMBER 1205.12, SHEET 1 OF 1 (ONE LANE BRIDGE).
- ADJUST TEMPORARY SIGNAL HEADS AS NECESSARY AND PLACE -L-, SR 1395 (BALD MOUNTAIN RD.) TRAFFIC IN A ONE-LANE, TWO-WAY PATTERN, AS SHOWN.
- STEP 2:** - BEHIND TEMPORARY BARRIER REMOVE EXISTING STRUCTURE, AS SHOWN.
- STEP 3:** - BEHIND TEMPORARY BARRIER, BEGIN CONSTRUCTION OF PROPOSED STRUCTURE, RIGHT OF -L- FROM -L- STA. 15+80 ± TO -L- STA. 16+60 ±, AS SHOWN (SEE STRUCTURE PLANS AND SHEET 2, STAGE 4).
- STEP 4:** - BEHIND BARRIER AND USING FLAGGERS, FLAGGER AHEAD SIGNS AND DRUMS, REMOVE EXISTING PAVEMENT RIGHT OF -L- FROM -L- STA. 14+00 ± TO -L- STA. 20+00 ±, AS SHOWN.
- STEP 5:** - BEHIND BARRIER AND USING FLAGGERS, FLAGGER AHEAD SIGNS AND DRUMS, CONSTRUCT RIGHT OF -L-, PROPOSED -L- UP TO BUT NOT INCLUDING THE LAYER OF SURFACE COURSE, INCLUDING DRIVEWAYS RIGHT OF AT THE FOLLOWING LOCATIONS, AS SHOWN (SEE ROADWAY PLANS).
- L- STA. 14+00 ± TO -L- STA. 15+80 ±
 - L- STA. 16+60 ± TO -L- STA. 20+00 ±
- STEP 6:** - BEHIND TEMPORARY BARRIER, COMPLETE CONSTRUCTION OF PROPOSED STRUCTURE, RIGHT OF -L-, FROM -L- STA. 15+80 ± TO -L- STA. 16+60 ± AS SHOWN (SEE STRUCTURE PLANS AND SHEET S-3 STAGE 4).

- STEP 7:** - REMOVE TEMPORARY BARRIER FROM THE FOLLOWING LOCATIONS:
- L- STA. 15+62 ± TO -L- STA. 15+92 ±
 - L- STA. 16+49 ± TO -L- STA. 16+79 ±
- RESET RIGHT PRECAST BRIDGE RAIL FROM THE TEMPORARY LOCATION TO THE FINAL LOCATION.
- INSTALL GUARDRAIL RIGHT OF -L-.
- REMOVE ALL PAVEMENT MARKINGS FROM -L- STA. 14+00 ± TO -L- STA. 20+00 ±.
- PLACE PAVEMENT MARKINGS (PAINT) AND MARKERS (TEMPORARY RAISED) IN THE FINAL PATTERN FROM -L- STA. 14+00 ± TO -L- STA. 20+00 ±. COVER OR REMOVE TEMPORARY SIGNAL, "ONE LANE BRIDGE" SIGNS, SIGNAL AHEAD SIGNS AND "STOP HERE ON RED" SIGNS AND PLACE -L-, SR 1395, (BALD MOUNTAIN RD.) TRAFFIC IN THE FINAL TWO-LANE, TWO-WAY PATTERN.
- COMPLETE THE FOLLOWING WORK IN PHASE II STEPS 8 AND 9, USING ROADWAY STANDARD DRAWING NUMBER 1101.02, SHEET 1 OF 15.
- STEP 8:** - REMOVE TEMPORARY WIDENING LEFT OF -L-.
- STEP 9:** - PLACE THE LAYER OF SURFACE COURSE, FINAL MARKINGS AND MARKERS IN THE FINAL PATTERN, AND OPEN -L-, SR 1395 (BALD MOUNTAIN ROAD) TO THE FINAL TWO-LANE, TWO-WAY PATTERN (SEE ROADWAY PLANS).
- STEP 10:** - REMOVE ALL TRAFFIC CONTROL DEVICES.

LEGEND

- PROPOSED CONSTRUCTION
- REMOVAL OF EXIST. PAVEMENT AND BRIDGE

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PROJECT NO. 37580
COUNTY: YANCEY
STATION: 16+20.00

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE NO. 119 ON SR 1395
OVER BALD MOUNTAIN CREEK

| REVISIONS | | | | SHEET NO. TCP-4 |
|-----------|----|------|-----|--------------------|
| NO. | BY | DATE | NO. | |
| 1 | | | 3 | TOTAL SHEETS |
| 2 | | | 4 | |