

# PLAN FOR PROPOSED TRAFFIC CONTROL, MARKING & DELINEATION HAYWOOD COUNTY

## 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 JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE  
CONSIDERED A PART OF THESE PLANS:







| STD. NO. | TITLE   |
|----------|---|
| 1101.02  | TEMPORARY LANE CLOSURES                         |
| 1101.03  | TEMPORARY ROAD 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  | FLAGGING DEVICES                                |
| 1180.01  | SKINNY DRUM                                     |
| 1205.01  | PAVEMENT MARKINGS - LINE TYPES & OFFSETS        |
| 1205.02  | PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS |
| 1205.04  | PAVEMENT MARKINGS - INTERSECTIONS               |
| 1205.07  | PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS       |
| 1205.12  | PAVEMENT MARKINGS - BRIDGES                     |

## INDEX OF SHEETS





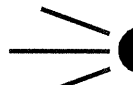






| SHEET NO. | TITLE   |
|-----------|---|
| TCP-1     | LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS,<br>LEGEND AND INDEX OF SHEETS |
| TCP-2     | PROJECT NOTES   |
| TCP-3     | PHASING   |
| PM-1      | PAVEMENT MARKING SCHEDULE AND<br>FINAL PAVEMENT MARKING PLAN                |

## LEGEND





### GENERAL

-  DIRECTION OF TRAFFIC FLOW
-  NORTH ARROW
-  PROPOSED PVMT.     EXIST. PVMT.
-  WORK AREA
-  REMOVAL OF EXISTING PAVEMENT

### TRAFFIC CONTROL DEVICES

-  TYPE III BARRICADE
-  CONE
-  DRUM     SKINNY DRUM
-  FLASHING ARROW PANEL (TYPE C)
-  STATIONARY SIGN
-  PORTABLE SIGN
-  STATIONARY OR PORTABLE SIGN
-  CRASH CUSHION
-  CHANGEABLE MESSAGE SIGN
-  FLAGGER





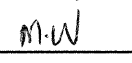
### PAVEMENT MARKINGS

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

B-3189

TIP PROJECT:

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mwashaya AT WZTC224168

|   |   |
|---|---|
| APPROVED:  | PLAN PREPARED BY: N.C.D.O.T. TRAFFIC CONTROL, MARKING & DELINEATION SECTION   |
| DATE:      |   |
| SEAL  | J.S. BOURNE, P.E. TRAFFIC CONTROL ENGINEER  |
|            | G.L. GETTIER, P.E. TRAFFIC CONTROL PROJECT ENGINEER   |
|   | J.W. GILSTRAP  TRAFFIC CONTROL PROJECT DESIGN ENGINEER |
|   | M. WASHAYA  TRAFFIC CONTROL DESIGN ENGINEER            |

# PROJECT NOTES

## GENERAL NOTES

- A) ADAPT THE TRAFFIC CONTROL PLANS, WHEN DIRECTED BY THE ENGINEER, TO MEET FIELD CONDITIONS TO PROVIDE SAFE AND EFFICIENT TRAFFIC MOVEMENT. CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS AND ROADWAY DETAILS ARE NOT ATTAINABLE, OR RESULT IN DUPLICATE, OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING OR REMOVAL OF DEVICES.

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

- B) 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.
- C) 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.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 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.

- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED 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.
- E) DO NOT WORK SIMULTANEOUSLY, ON BOTH SIDES OF AN OPEN TRAVELWAY, WITHIN THE SAME LOCATION, ON A TWO-LANE, TWO-WAY ROAD.
- F) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

### PAVEMENT EDGE DROP OFF REQUIREMENTS

- G) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED 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.

- H) DO NOT EXCEED A DIFFERENCE OF 1.5 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 500 FT IN ADVANCE AND A MINIMUM OF ONCE EVERY MILE THROUGHOUT THE UNEVEN AREA.

### TRAFFIC PATTERN ALTERATIONS

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

### SIGNING

- J) STATE FORCES WILL BE RESPONSIBLE FOR PERMANENT SIGNING.
- K) STATE FORCES WILL BE RESPONSIBLE FOR DETOUR SIGNING OFF THE PROJECT LIMITS.
- L) STATE FORCES WILL COVER OR REMOVE ALL DETOUR SIGNS OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.
- M) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

### TRAFFIC CONTROL DEVICES

- N) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADII, AND 3FT OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT.
- O) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY. STAGGER OR OVERLAP BARRICADES TO ALLOW FOR INGRESS OR EGRESS.

### PAVEMENT MARKINGS AND MARKERS

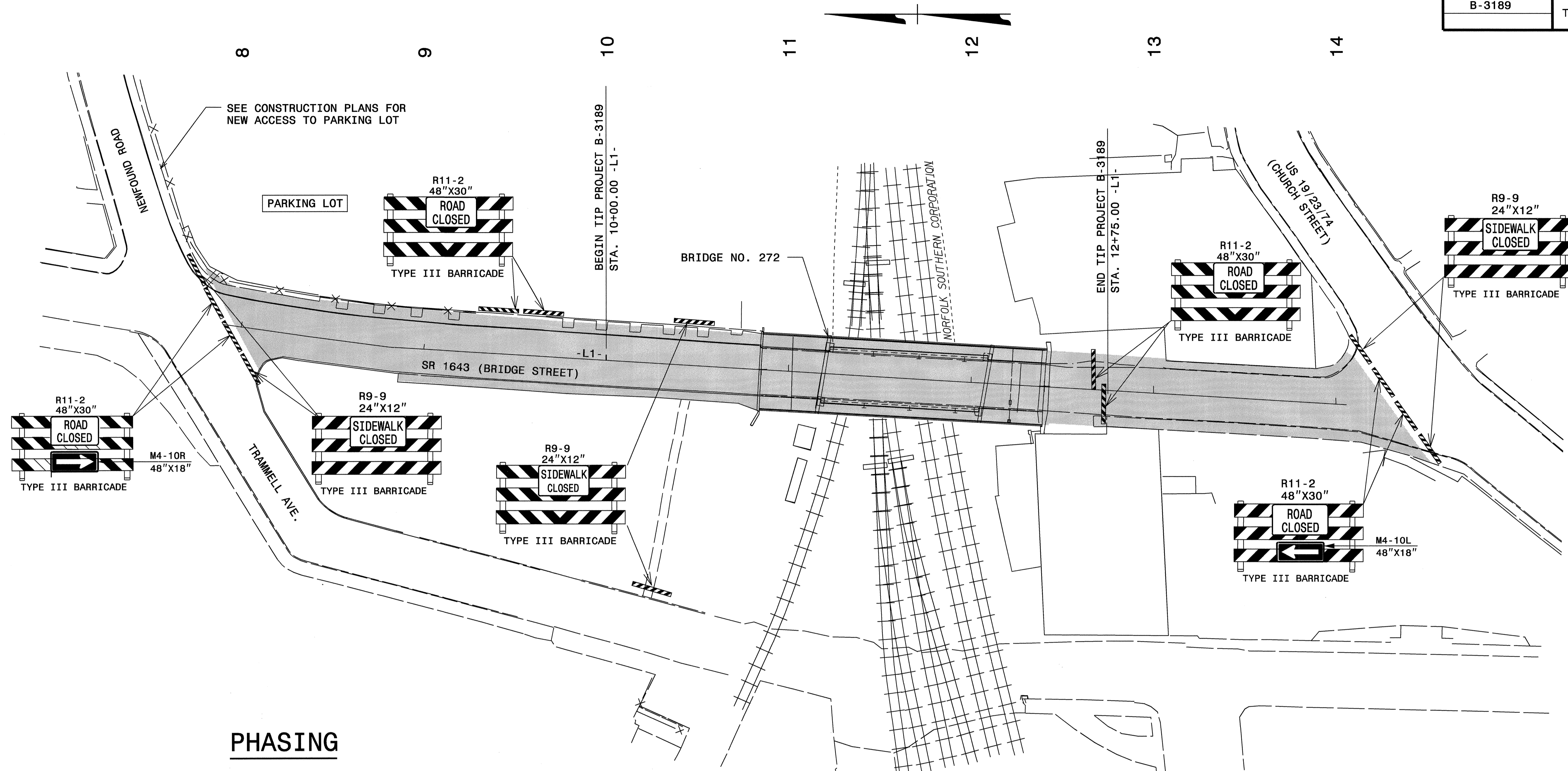
- P) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

| ROAD NAME               | MARKING       | MARKER |
|-------------------------|---------------|--------|
| 1. SR 1643 (BRIDGE ST.) | THERMOPLASTIC | NONE   |

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

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 mwdshayg AT WZ1C224168

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|---------------------------------|---|-------------|-----------|-------------|--|-------------|--|---------------|--|------------------|--|
| APPROVED:  DATE: <u>June 16</u> | <h2 style="margin: 0;">PROJECT NOTES</h2>   |             |           |             |  |             |  |               |  |                  |  |
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| SCALE: NONE                     | REVISIONS   |             |           |             |  |             |  |               |  |                  |  |
| DATE: 06/06                     |   |             |           |             |  |             |  |               |  |                  |  |
| DWG. BY: MW                     |   |             |           |             |  |             |  |               |  |                  |  |
| DESIGN BY: MW                   |   |             |           |             |  |             |  |               |  |                  |  |
| REVIEWED BY: JWG                |   |             |           |             |  |             |  |               |  |                  |  |



### PHASING

- PHASE I:**
- STEP 1:** NOTE: STATE FORCES WILL INSTALL ALL OFF-SITE DETOUR SIGNS AND PLACE PAINT PAVEMENT MARKINGS AND PERMANENT RAISED PAVEMENT MARKERS ON THE DETOUR ROUTE, AS REQUIRED.
- USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEET NO. 2 OF 9 CLOSE SR. 1643 (BRIDGE STREET) BETWEEN NEWFOUND ROAD AND US 19/23/74 (CHURCH STREET). INSTALL ADDITIONAL TYPE III BARRICADES AND SIGNS AS DETAILED ABOVE.
- STEP 2:**
- REMOVE THE EXISTING STRUCTURE AND CONSTRUCT THE PROPOSED STRUCTURE AND ROADWAY APPROACHES UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE. SEE CONSTRUCTION PLANS
  - PLACE THE FINAL PAVEMENT MARKINGS (THERMOPLASTIC) AS SHOWN ON SHEET PM-1.
- STEP 3:**
- REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN SR. 1643 (BRIDGE ST.) TO TRAFFIC.

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 C:\GIS\Projects\B3189\Traffic\Traffic\top\B3189\_tcp\_top3.dgn  
 mws:cyg AT WZTC224f68

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|------------------|---------------|----------------|-----------|
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|                  |               |                |           |
| SCALE: NONE      | DATE: 06/06   |                | REVISIONS |
| DWG. BY: MW      | DESIGN BY: MW |                |           |
| REVIEWED BY: JWG |               |                |           |