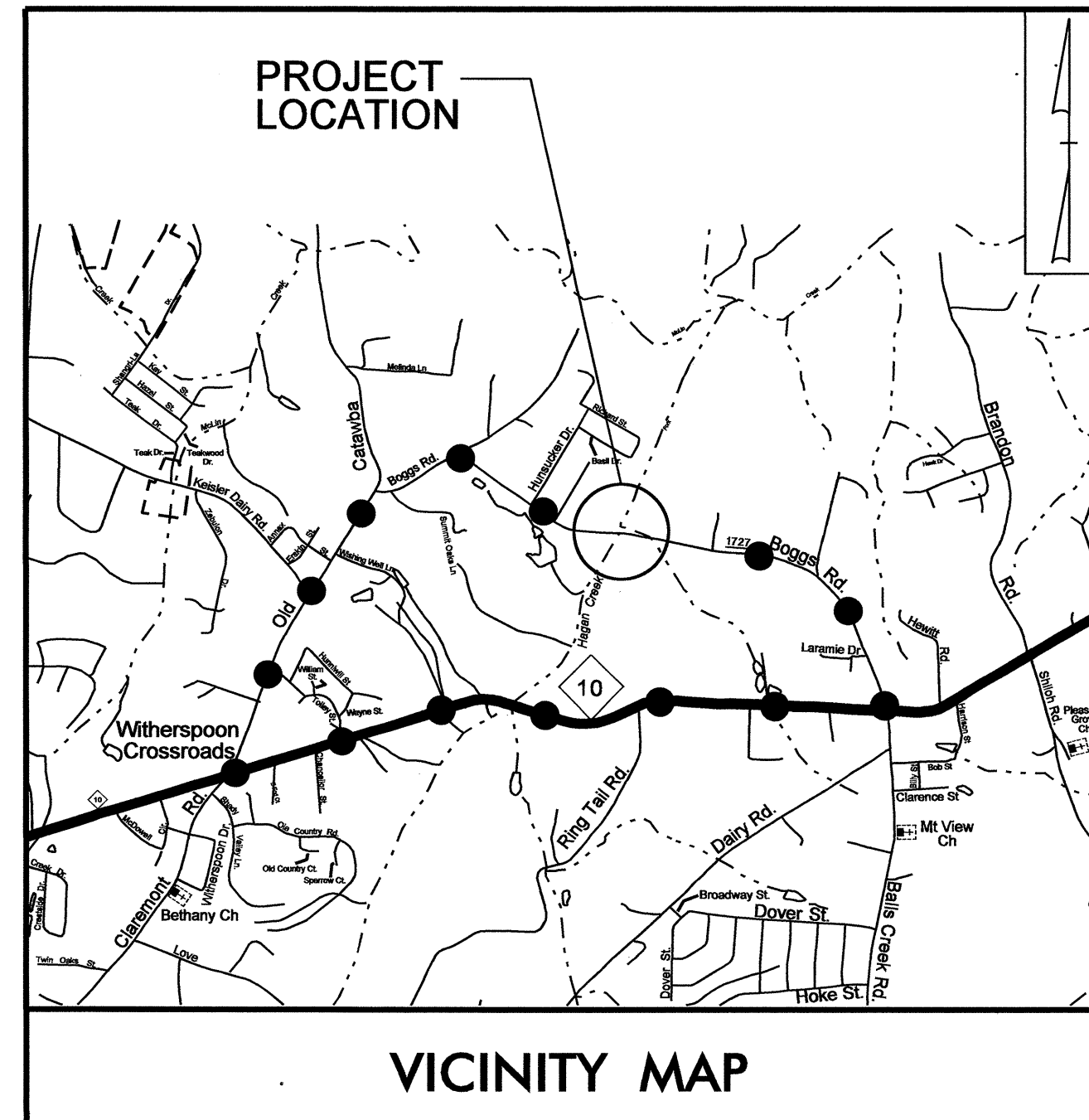
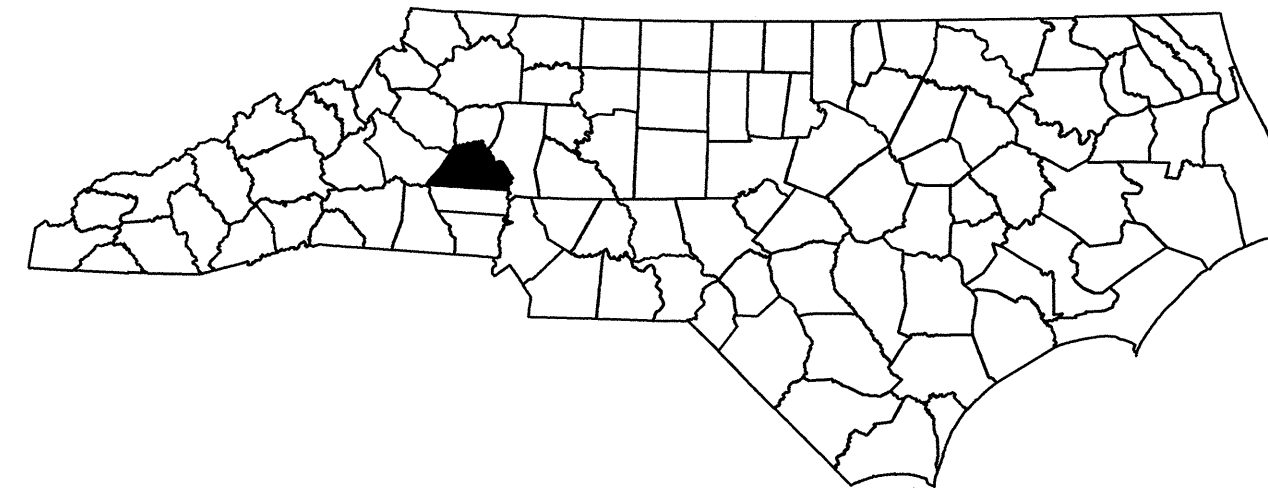


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**CATAWBA COUNTY**



**LOCATION: BRIDGE No. 90 OVER HAGAN CREEK ON SR 1727 (BOGGS RD).**

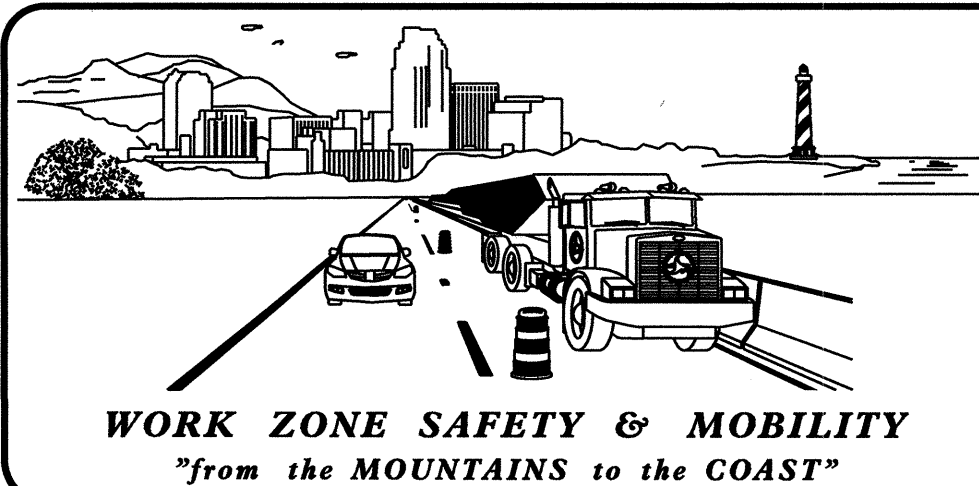
**INDEX OF SHEETS**

SHEET NO.	TITLE
TMP-1	TITLE SHEET, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKING
TMP-1B	TRANSPORTATION OPERATIONS PLAN AND PROJECT NOTES
TMP-2A	DETOUR SIGN DETAIL
TMP-3	TEMPORARY TRAFFIC CONTROL PHASING AND DETAIL

SHEET NO.  
TMP-1  
**B-4061**

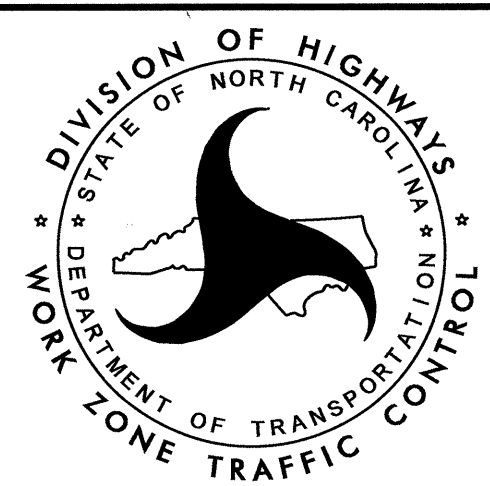
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**N.C.D.O.T. WORK ZONE TRAFFIC CONTROL**  
 1580 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1580  
 1020 BIRCH RIDGE DRIVE, RALEIGH, NC 27610 (DELIVERY)  
 PHONE: (919) 250-4094 FAX: (919) 250-4098

J. S. BOURNE, P.E. STATE TRAFFIC MANAGEMENT ENGINEER  
 G. L. GETTIER, P.E. TRAFFIC CONTROL PROJECT ENGINEER  
 J. W. GILSTRAP TRAFFIC CONTROL PROJECT DESIGN ENGINEER  
 S. GREEN TRAFFIC CONTROL DESIGN ENGINEER



APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_

SEAL

## 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>
1101.03	TEMPORARY ROAD CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1130.01	DRUMS
1145.01	BARRICADES - TYPE III

## LEGEND

### GENERAL

- DIRECTION OF TRAFFIC FLOW
- NORTH ARROW

### TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM    SKINNY DRUM

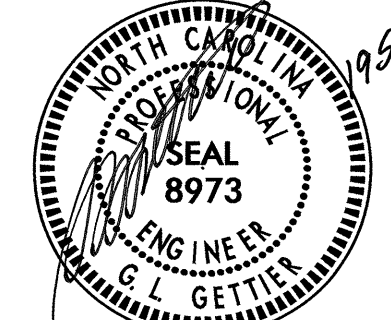
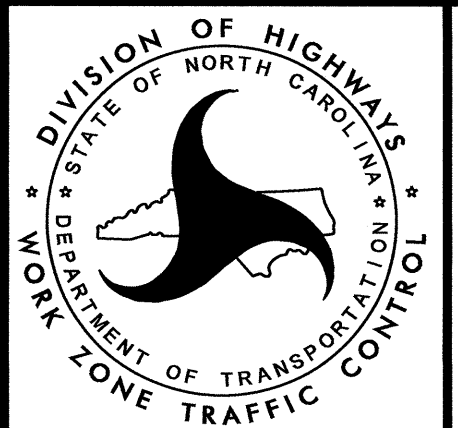
### TEMPORARY SIGNING

- STATIONARY SIGN

### TEMPORARY PAVEMENT MARKING

N/A

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# TRANSPORTATION OPERATIONS

## CONSTRUCTION

REMOVE AND REPLACE EXISTING LARGE DRAINAGE PIPE, STRUCTURE AND APPROACHES ALONG THE EXISTING ROADWAY ALIGNMENT AS SHOWN IN THE CONSTRUCTION PLANS.

## TMP DESIGN PARAMETERS

TRAFFIC WILL BE DETOURED OFFSITE DURING THE CONSTRUCTION PERIOD.

THE OFFSITE DETOUR WILL INCLUDE NC 10 AND SR 1722 (OLD CATAWBA RD.). (SEE SHEET TMP-3).

TRAFFIC WILL NEED TO BE MAINTAINED TO THE EXISTING DRIVEWAY LOCATED WITHIN THE PROJECT LIMITS. (SEE SHEET TMP-3).

# 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 UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OF 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 AS DIRECTED BY THE ENGINEER.

## PAVEMENT EDGE DROP OFF REQUIREMENTS

- A) 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

## TRAFFIC PATTERN ALTERATIONS

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

## SIGNING

- C) PROVIDE PERMANENT SIGNING.

- D) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

- E) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

- F) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

## TRAFFIC CONTROL DEVICES

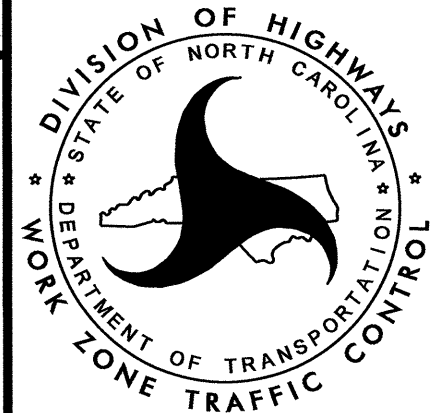
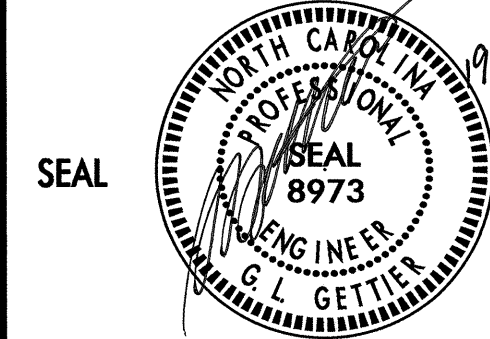
- G) PLACE TYPE III BARRICADES WITH "ROAD CLOSED" SIGN R-11-2 ATTACHED OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

## PAVEMENT MARKINGS AND MARKERS

- H) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS SHOWN IN THE PAVEMENT MARKING PLAN.

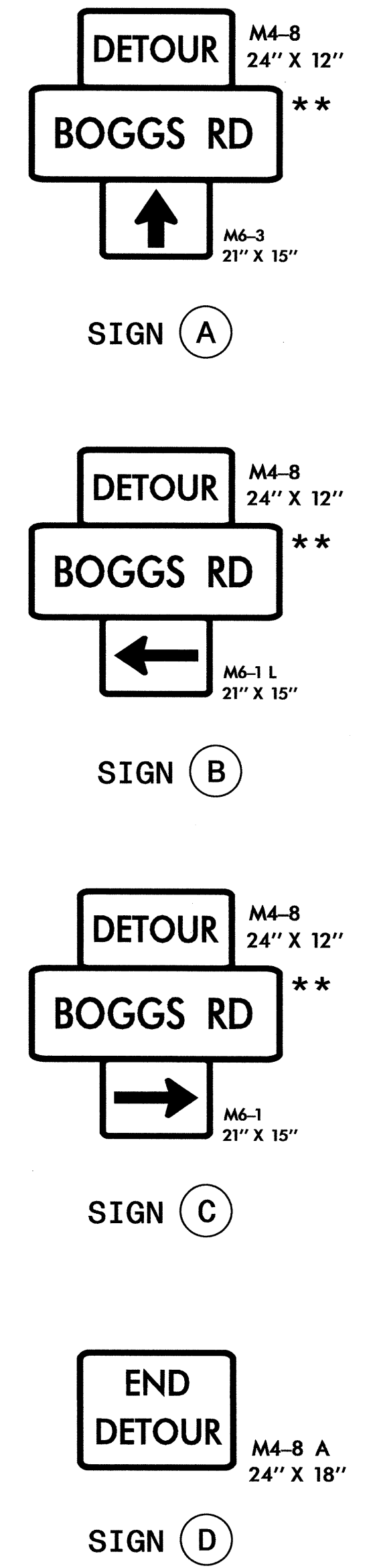
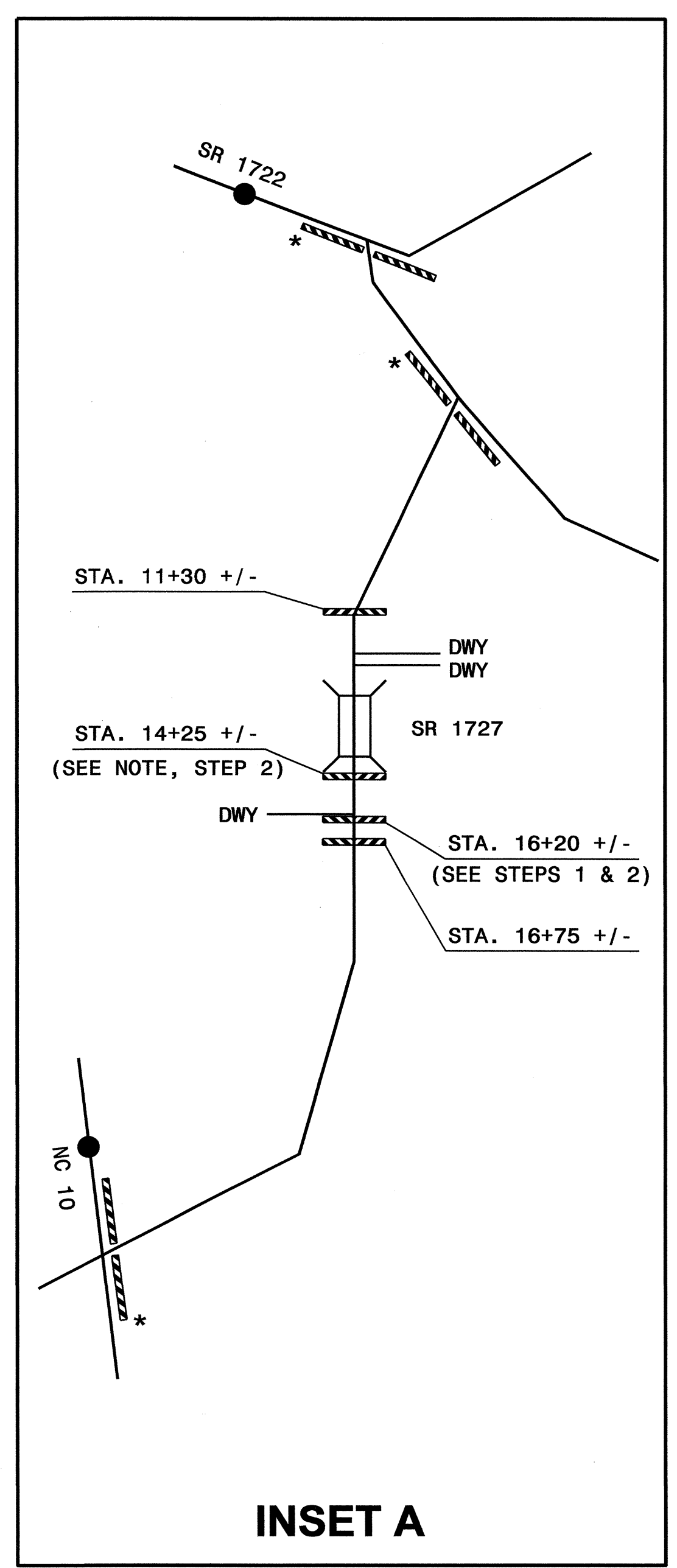
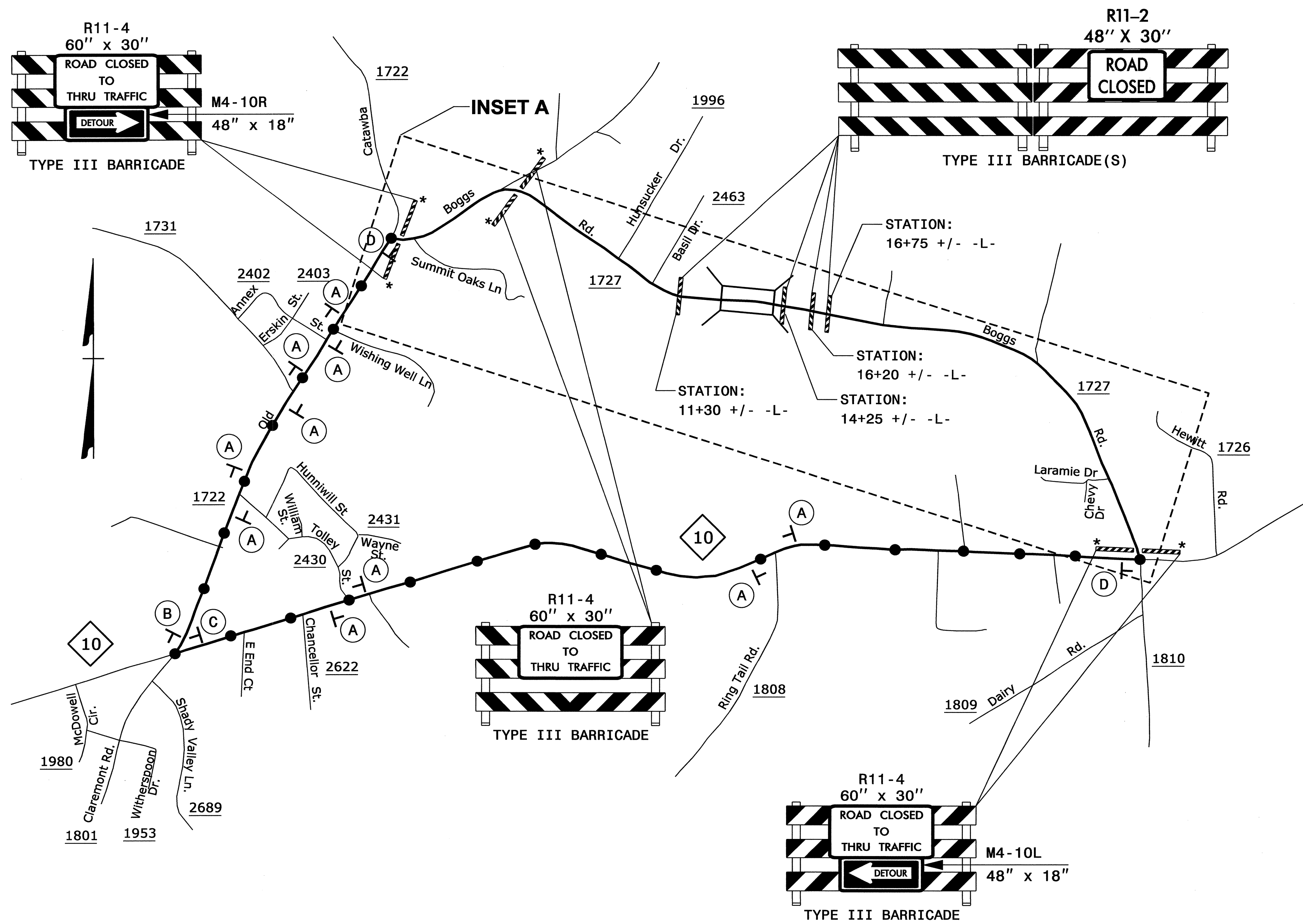
- I) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

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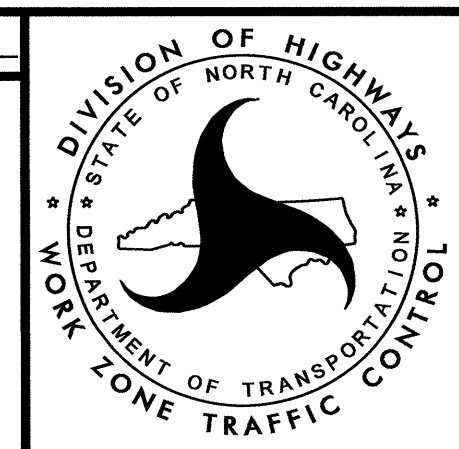
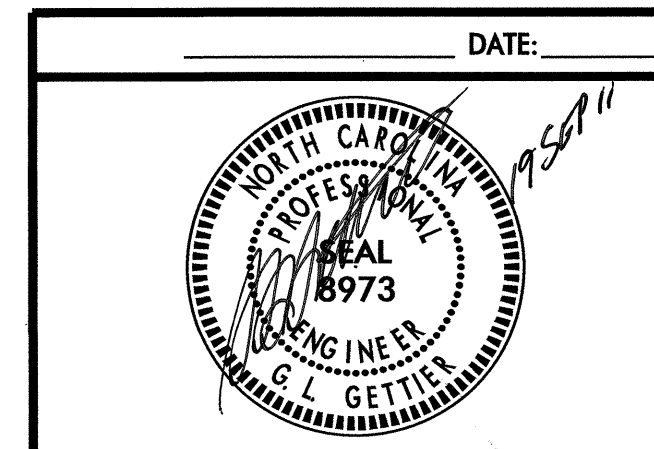
# PHASING

- STEP 1:** - INSTALL OFF-SITE DETOUR ROUTE SIGN ASSEMBLIES FOR THE CLOSING OF SR 1727 (BOGGS RD., -L-).
- USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 1 OF 9, CLOSE SR 1727 (BOGGS RD., -L-) TO THRU TRAFFIC FROM STATION 11+30 +/- -L- TO STATION 16+75 +/- -L-.
- NOTE:** INSTALL ADDITIONAL TYPE III BARRICADES AT STATION 16+20 AND UTILIZE DRUMS TO MAINTAIN ACCESS TO DRIVEWAYS DURING CONSTRUCTION.
- STEP 2:** - CONTRACTOR SHALL CONSTRUCT PROPOSED DRIVEWAY AT STATION 14+30 +/- -L- AND INSTALL PROPOSED PIPE AT STATION 16+40 +/- -L-. (SEE CONSTRUCTION PLANS).
- CONTRACTOR MAY BEGIN CONSTRUCTION OF ALL OTHER PROPOSED WORK AS DIRECTED BY THE ENGINEER.
- NOTE:** UPON COMPLETION OF PROPOSED DRIVEWAY AND PIPE, REMOVE & RESET BARRICADE FROM STATION 16+20 +/- -L- TO STATION 14+25 +/- -L-. NOTIFY RESIDENTS OF NEW DETOUR ROUTE.

- STEP 3:** - CONSTRUCT THE REMAINDER OF THE PROJECT TO INCLUDE THE REMOVAL OF THE EXISTING STRUCTURE, CONSTRUCTION OF THE PROPOSED STRUCTURE AND ROADWAY UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE. PLACE FINAL PAVEMENT MARKINGS ON SR 1727 (BOGGS RD., -L-) FROM STATION 11+30 +/- -L- TO STATION 17+20 +/- -L-. (SEE CONSTRUCTION PLANS AND PAVEMENT MARKING PLAN).
- STEP 4:** - REMOVE ALL TRAFFIC CONTROL DEVICES, SIGNING AND DETOUR ROUTE SIGNING.
- OPEN TO FINAL TRAFFIC PATTERN.

- NOTES:**
- ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
  - ALL DETOUR SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE NOTED.
  - \* SEE ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 1 OF 9, FOR ADDITIONAL WORK ZONE SIGNS.
  - \*\* SEE TMP-2A FOR SIGN DESIGN.

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**TEMPORARY TRAFFIC CONTROL PHASING AND DETAIL**