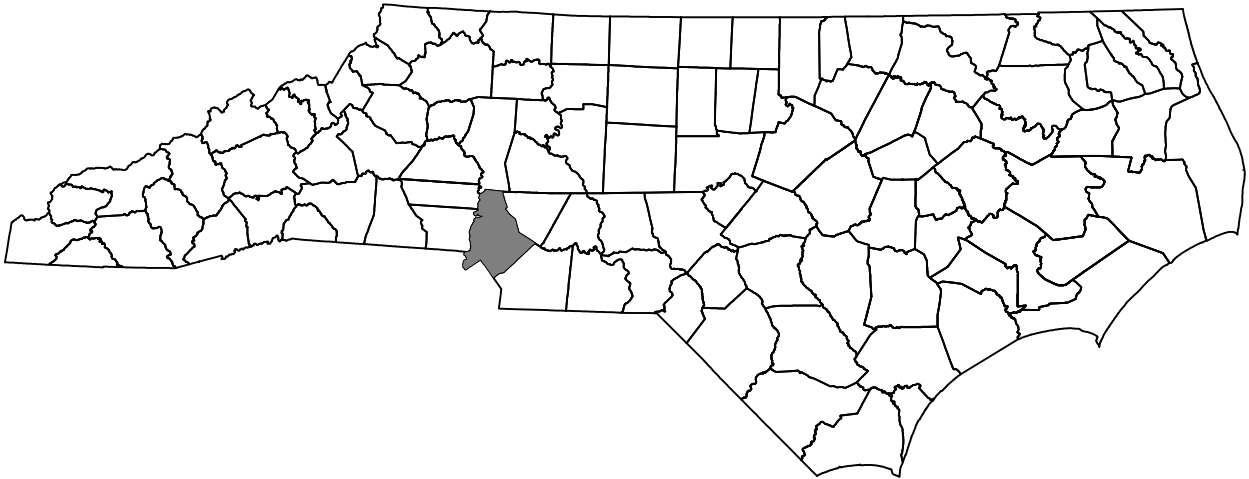


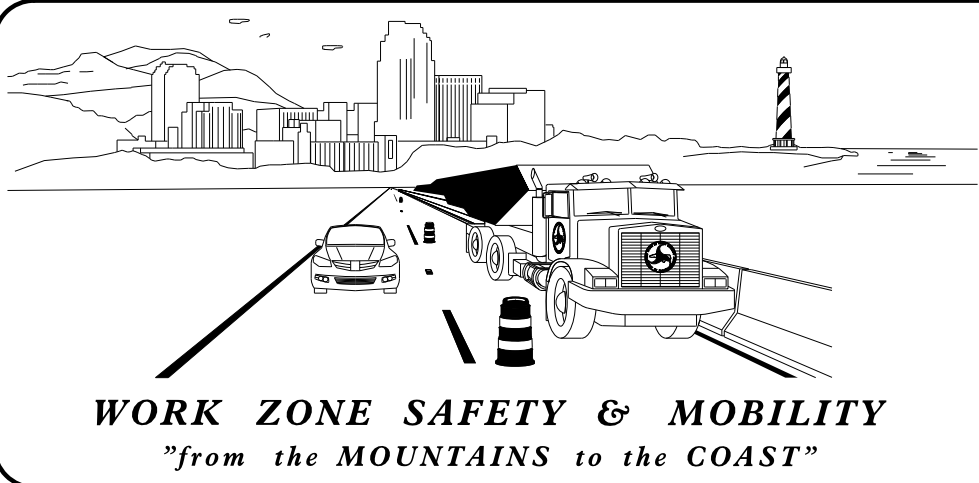
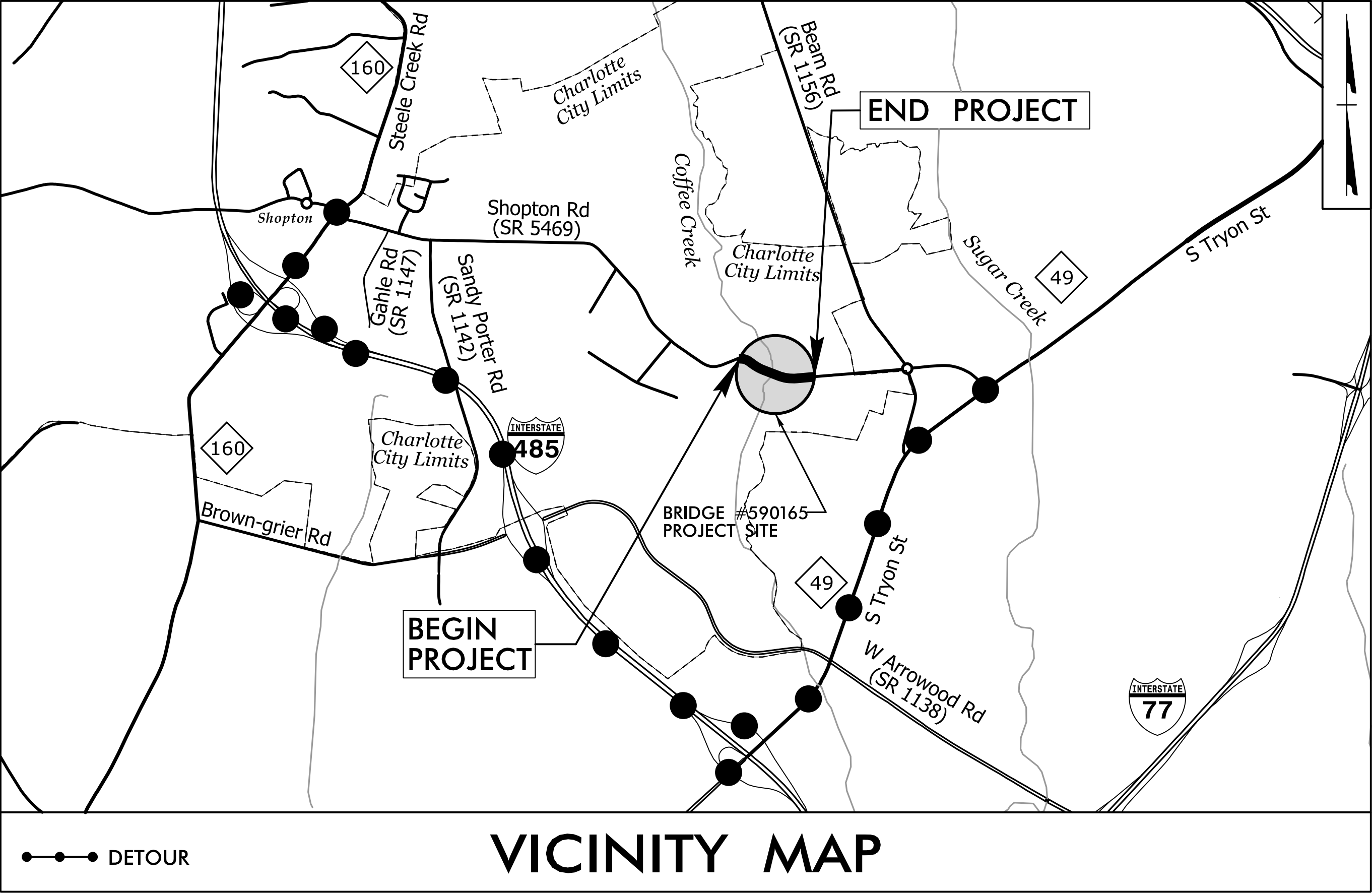
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

MECKLENBURG COUNTY



LOCATION: BRIDGE #590165 OVER COFFEE CREEK
ON SR 5469 (SHOPTON RD)



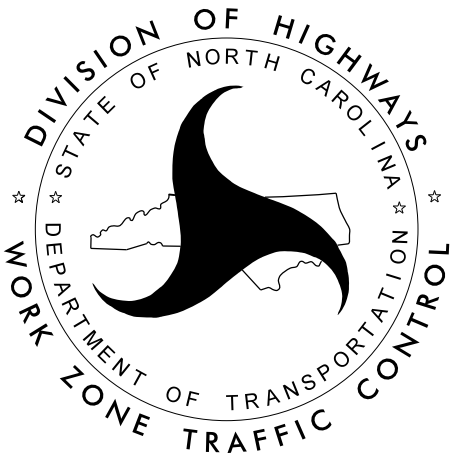
PLANS PREPARED BY:

ROBERT M. KIRK, PE
TRAFFIC ENGINEER

CARLOS G. OWENS JR.
TRANSPORTATION DESIGNER

NCDOT CONTACTS:

YANWEI MA, PE
PROJECT ENGINEER



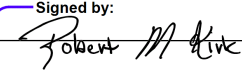
INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-2	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-3	TRANSPORTATION OPERATIONS PLAN: (GENERAL NOTES, LOCAL NOTES & PHASING)
TMP-4	TEMPORARY TRAFFIC CONTROL DETAILS
TMP-5	SPECIAL SIGN DESIGN

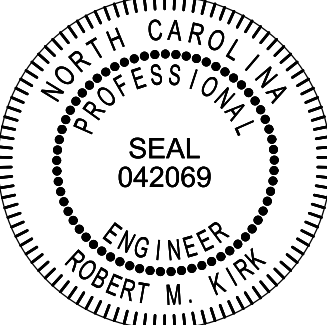
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TIP PROJECT: BP10-R013



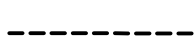
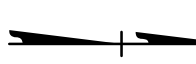

CONTRACT: C204991

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 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
1101.03	TEMPORARY ROAD CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1145.01	BARRICADES





GENERAL

-  DIRECTION OF TRAFFIC FLOW
-  DIRECTION OF PEDESTRIAN TRAFFIC FLOW
-  EXIST. PVMT.
-  NORTH ARROW
-  PROPOSED PVMT.



WORK AREA

SIGNALS







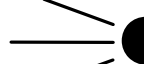


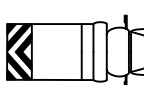

-  EXISTING
-  PROPOSED
-  TEMPORARY
-  MODIFIED

PAVEMENT MARKINGS




-  EXISTING LINES
-  TEMPORARY LINES

LEGEND




TRAFFIC CONTROL DEVICES

-  BARRICADE (TYPE III)
-  CONE
-  DRUM
-  SKINNY DRUM
-  TUBULAR MARKER
-  TEMPORARY CRASH CUSHION
-  FLASHING ARROW BOARD
-  FLAGGER
-  LAW ENFORCEMENT
-  TRUCK MOUNTED ATTENUATOR (TMA)
-  CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

-  PORTABLE SIGN
-  STATIONARY SIGN
-  STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

-  CRYSTAL/CRYSTAL
-  CRYSTAL/RED
-  YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

-  PAVEMENT MARKING SYMBOLS
- 
- 



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PROJ. REFERENCE NO.	SHEET NO.
BP10-R013	TMP-2

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DATE: 6/5/2025

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ROADWAY STANDARD
DRAWINGS & LEGEND

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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 UNDESIRE

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.

TRAFFIC PATTERN ALTERATIONS

A) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- B) 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.
- C) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.
- D) COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- E) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- F) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).

TRAFFIC CONTROL DEVICES

G) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

PAVEMENT MARKINGS AND MARKERS

H) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

LOCAL NOTES

1. CONTACT MECKLENBURG COUNTY AND CITY OF CHARLOTTE EMERGENCY SERVICES AND SCHOOLS AT LEAST ONE MONTH PRIOR TO CONSTRUCTION.

PHASING

PHASE 1

STEP 1

BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL PLACE ADVANCE WORK ZONE WARNING SIGNS (SEE RSD 1101.01, SHEET 3 OF 3). INSTALL OFF-SITE DETOUR SIGNING TO CLOSE SHOPTON ROAD TO THROUGH TRAFFIC.

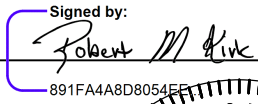
USING RSD 1101.03 (SHEETS 1 AND 2 OF 9) INSTALL TYPE III BARRICADES CLOSE BURNSVILLE ROAD TO THROUGH TRAFFIC.

STEP 2

AWAY FROM TRAFFIC, REMOVE THE EXISTING BRIDGE, CONSTRUCT PROPOSED BRIDGE, DRAINAGE, AND ROADWAY INCLUDING THE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS.

STEP 3

USING RSD 1101.04, REMOVE ALL TRAFFIC CONTROL DEVICES, SIGNING AND DETOUR ROUTE SIGNING. OPEN SHOPTON ROAD TO THE FINAL TRAFFIC PATTERN.

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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

TRANSPORTATION
MANAGEMENT PLAN
PROJECT NOTES

OFF-SITE DETOUR SIGNING AND ROAD CLOSURE SIGNING



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PROJ. REFERENCE NO.

SHEET NO.

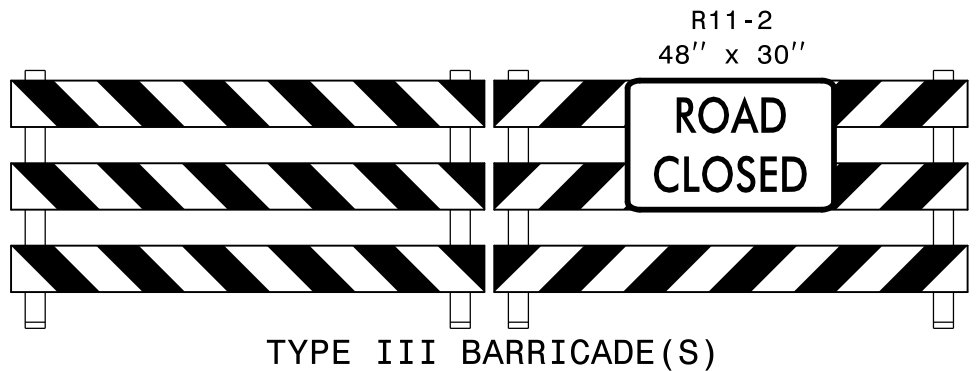
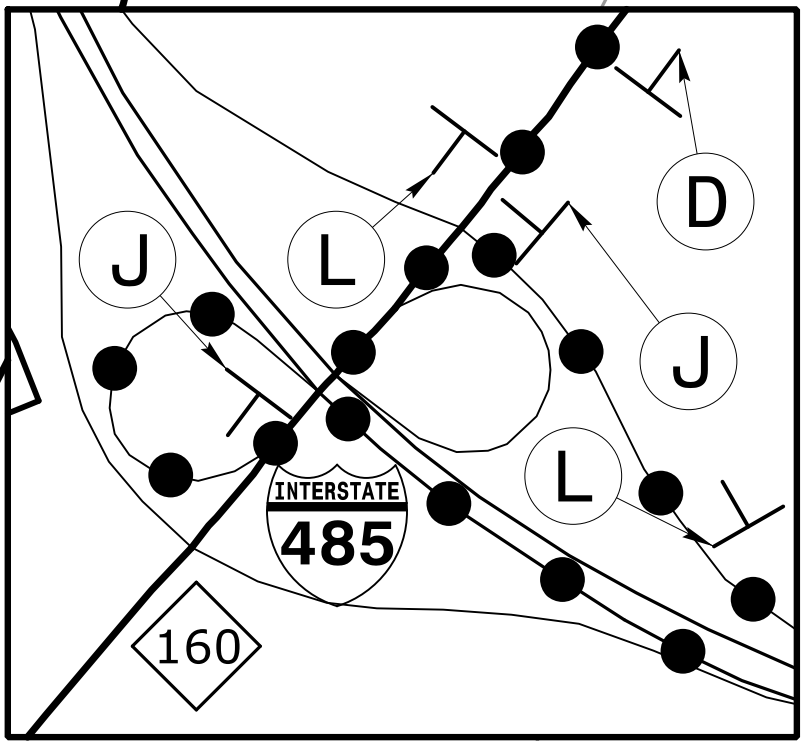
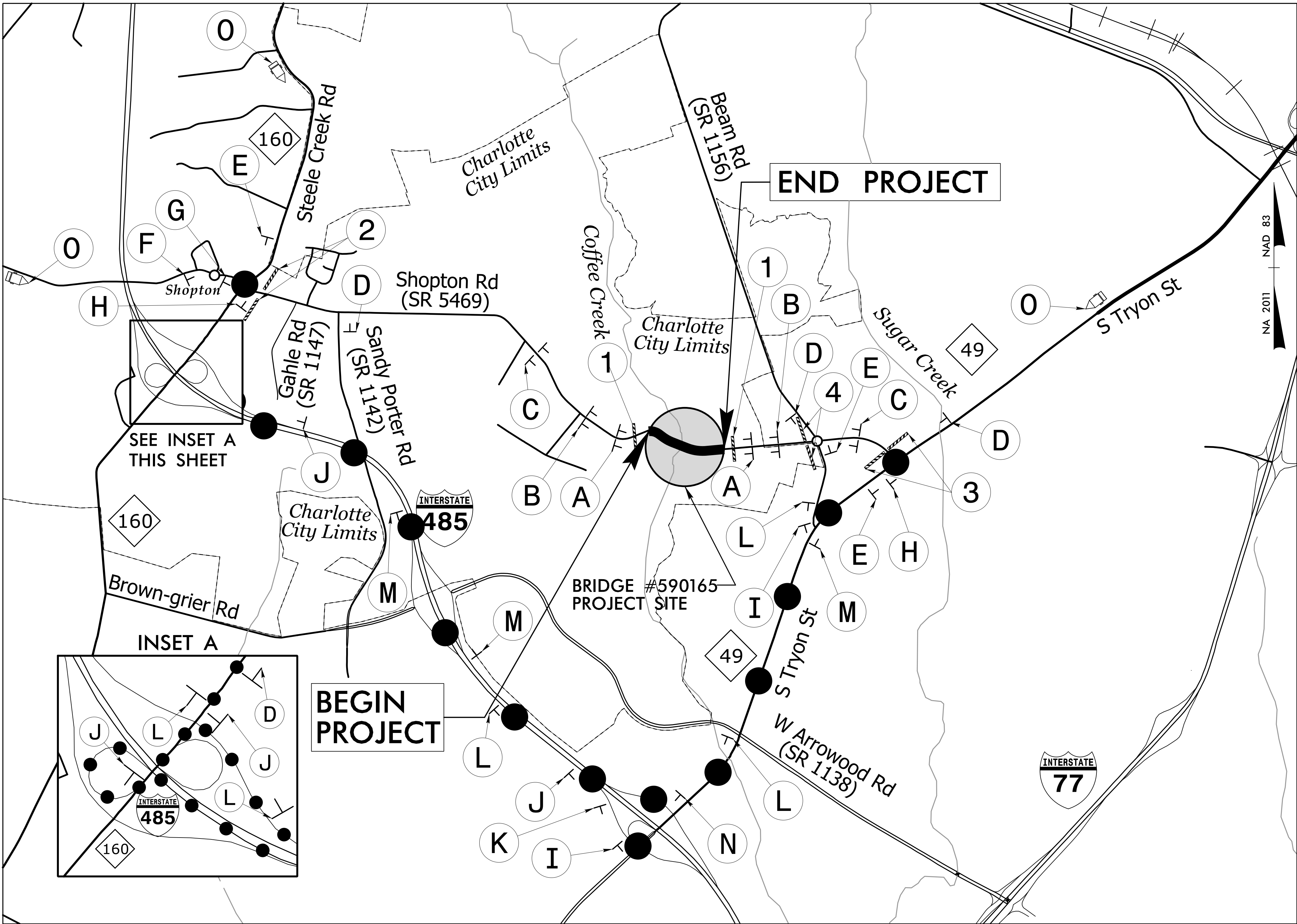
BP10-R013

TMP-4

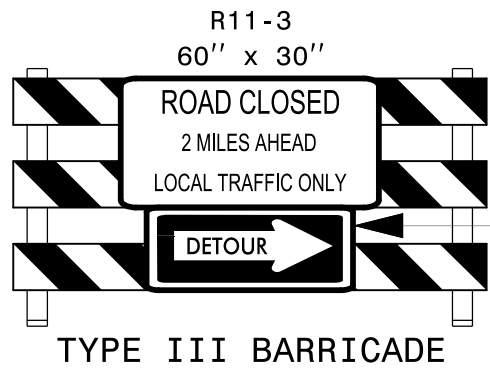
NOTE: MAINTAIN DRIVEWAY ACCESS THROUGHOUT THE PROJECT LIMITS.

SEE ROADWAY STD DWG 1101.01, SHEET 3 OF 3 FOR WORK ZONE ADVANCE WARNING SIGNS.

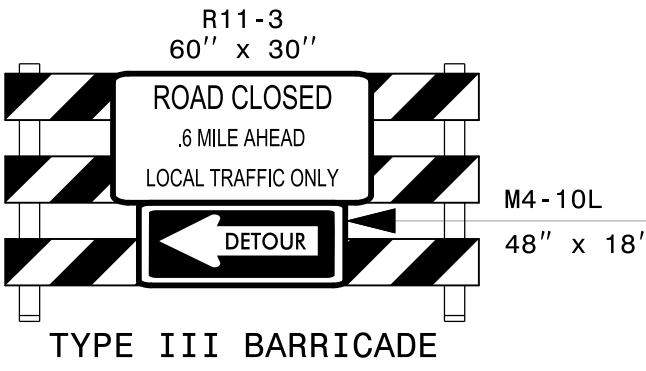
SEE ROADWAY STD DWG 1101.03, SHEET 1 & 2 OF 9 FOR TEMPORARY ROAD CLOSURES.



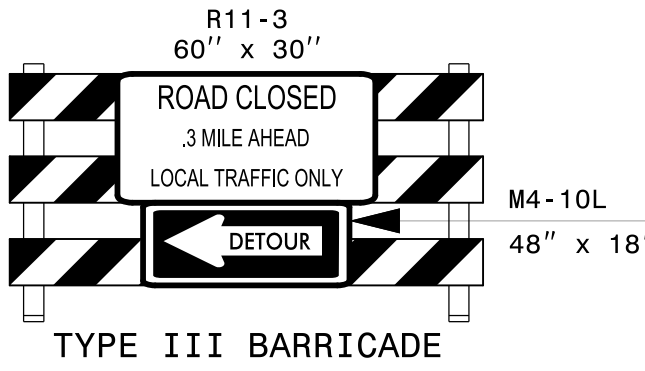
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2

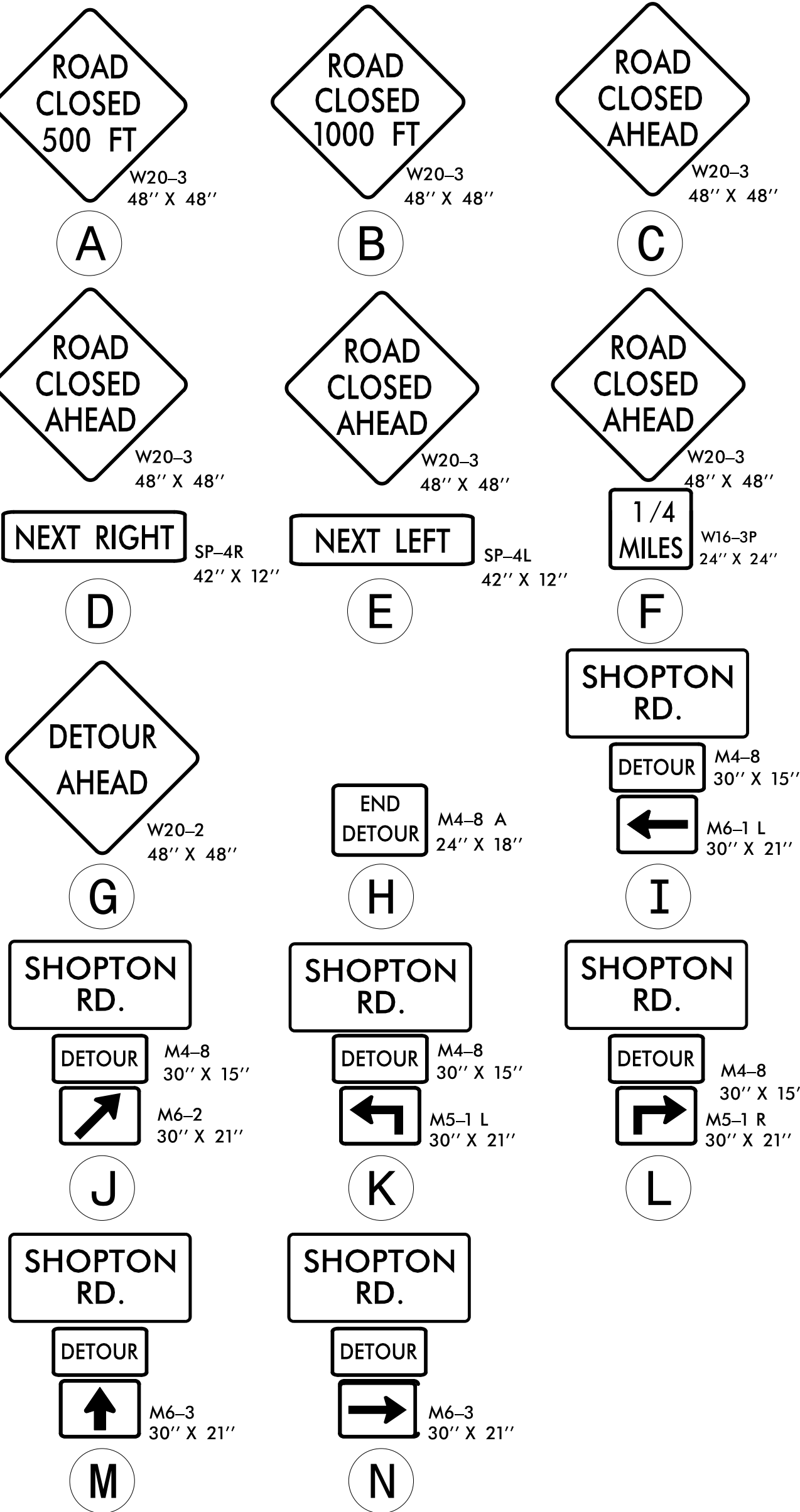


3



4

N.T.S.



MESSAGE PRIOR TO CLOSURE:

MESSAGE NO. 1	MESSAGE NO. 2
SHOPTON RD WILL BE CLOSED	STARTING (DAY) (TIME)

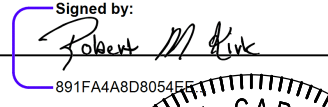
CHANGEABLE MESSAGE SIGN

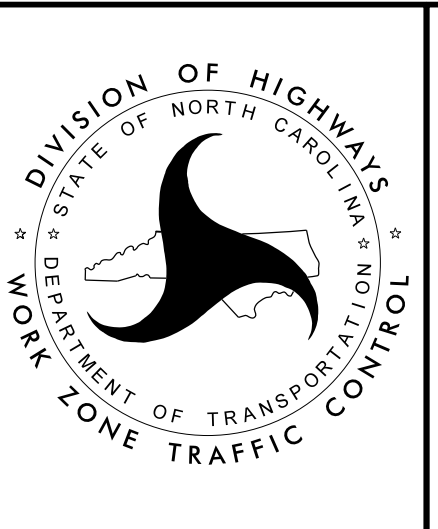
MESSAGE DURING CLOSURE:

MESSAGE NO. 1	MESSAGE NO. 2
SHOPTON RD CLOSED 1 MILE	FOLLOW POSTED DETOUR

CHANGEABLE MESSAGE SIGN

O

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TRANSPORTATION
MANAGEMENT PLAN
DETOUR ROUTE

BRIDGE #120165

SIGN NUMBER: I-1

BACKG COLOR: Orange

TYPE: D

COPY COLOR: Black

QUANTITY: See Plans

SIGN WIDTH: 48"

HEIGHT: 30"

TOTAL AREA: 10.0 Sq.Ft.

BORDER TYPE: FLUSH

RECESS: 0.47"

WIDTH: 0.63"

RADII: 1.5"

NO. Z BARS:

LENGTH:

MAT'L: 0.080" (2.0 mm) ALUMINUM

USE NOTES: 1,2

1. Legend and border shall be direct applied encapsulated lens reflective sheeting.

2. Background shall be NC Grade B fluorescent.

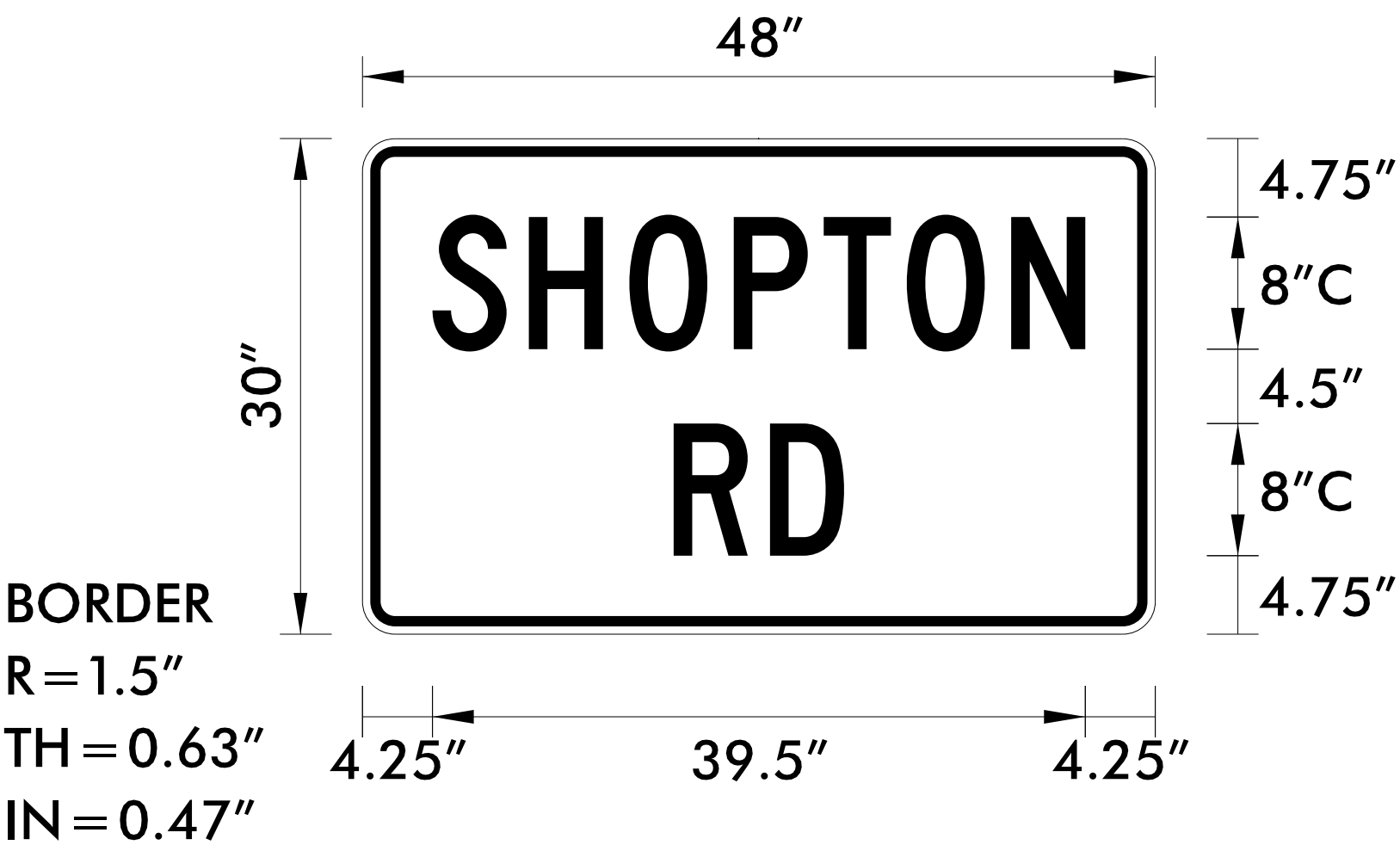
DESIGN BY: SLS

CHECKED BY: GHM

PROJECT ID: BP10-R013

DIV: 10

DATE: May 31, 2024



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

[illegible]

NORTH CAROLINA D.O.T. SIGN DETAIL

APPROVED: _____

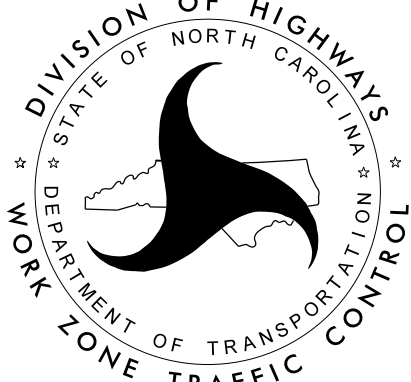
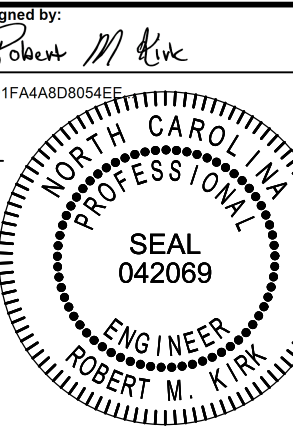
DATE: 6/5/2025

SEAL

Sealed by: Robert M Kirk
691FAAND05046E

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
042069
ENGINEER
ROBERT M. KIRK

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TRANSPORTATION
MANAGEMENT PLAN
SPECIAL SIGN DESIGN
SHOPTON ROAD