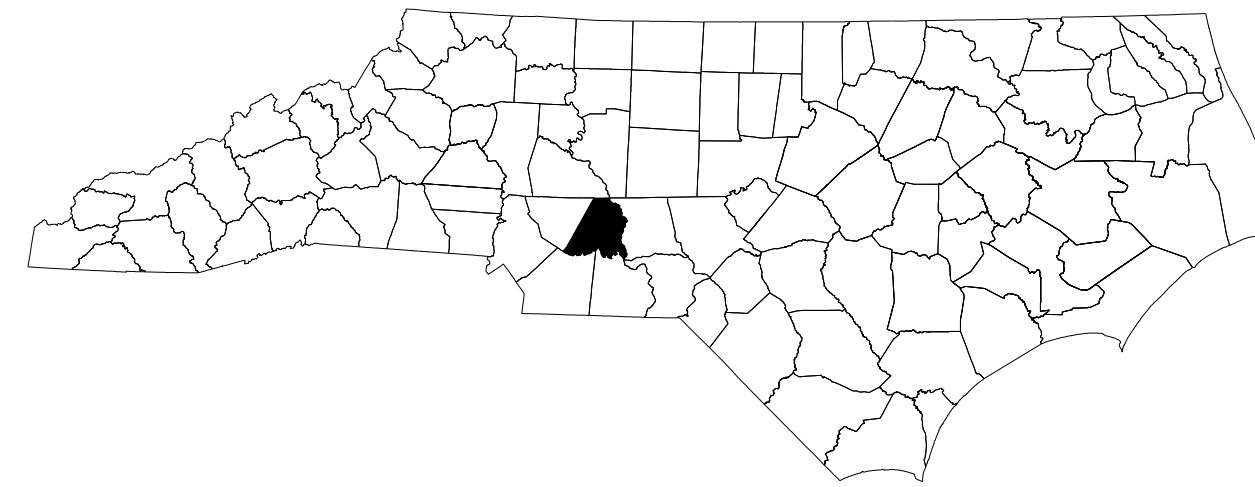


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

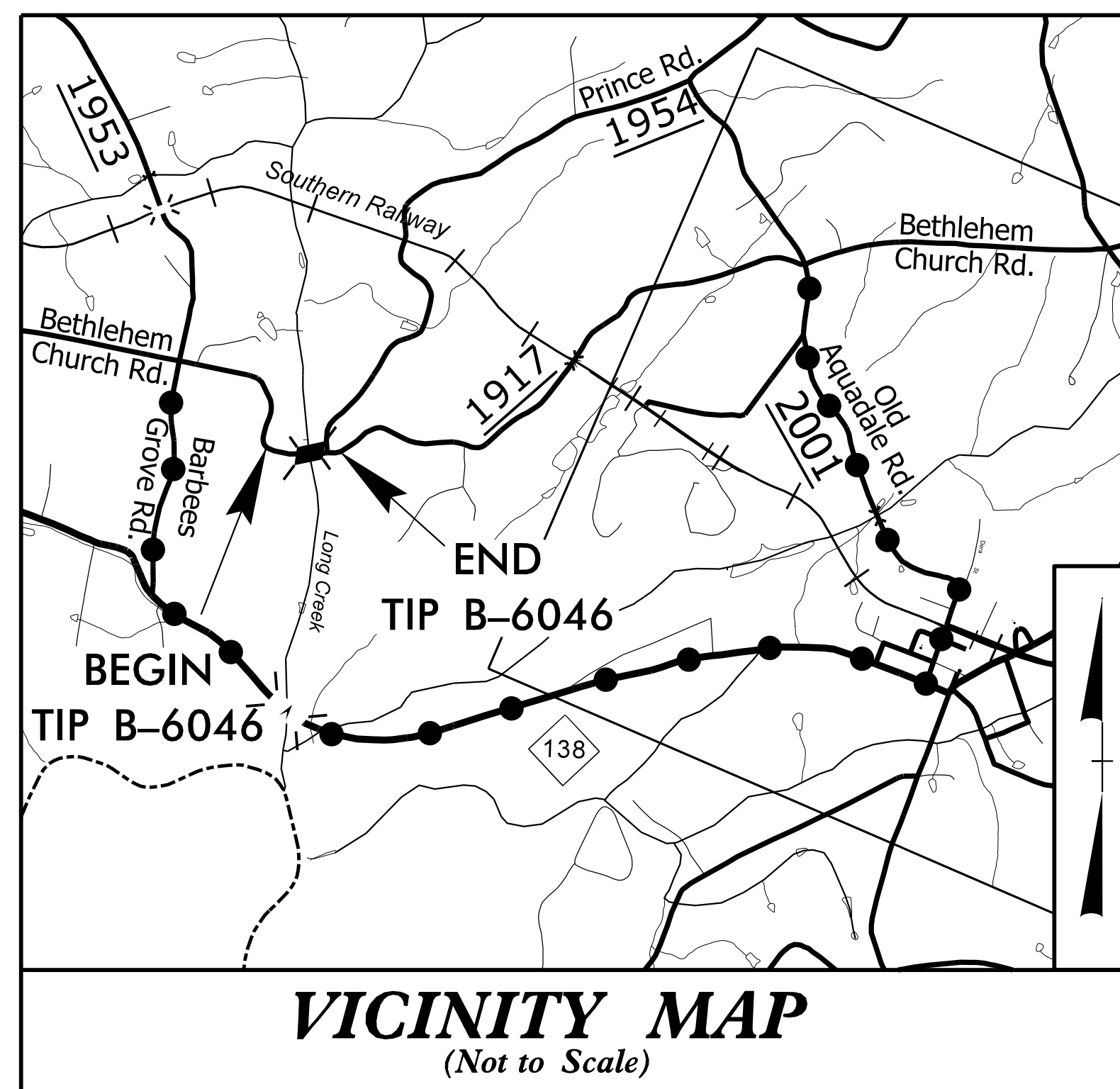
TRANSPORTATION MANAGEMENT PLAN

STANLY COUNTY



**LOCATION: REPLACE BRIDGE No. 0102 ALONG SR 1917 (BETHLEHEM CHURCH RD)
OVER LONG CREEK**

TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURE



VICINITY MAP
(Not to Scale)

● ● ● ● ● OFFSITE DETOUR ROUTE

INDEX OF SHEETS

| <u>SHEET NO.</u> | <u>TITLE</u> |
|------------------|--|
| TMP-1 | TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS |
| TMP-1A | LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND |
| TMP-1B | TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES), AND PHASING |
| TMP-2 | SIGN DESIGN |
| TMP-3 | TEMPORARY TRAFFIC CONTROL OFF-SITE DETOUR |
| TMP-3A | TEMPORARY TRAFFIC CONTROL ROAD CLOSURE |

SHEET NO.
TMP-1

B-6046

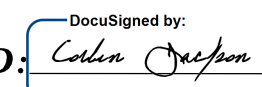
NOTES TO CONTRACTOR
Department Owned Traffic Control Devices on the Project-

After the advanced work zone warning signs and detour signs have been installed and the NCDOT traffic control devices have been replaced as described in STEP 1 & 2 of the Traffic Control Plans, the Contractor shall collect, load, transport and unload the Department Owned traffic control devices to the following address:

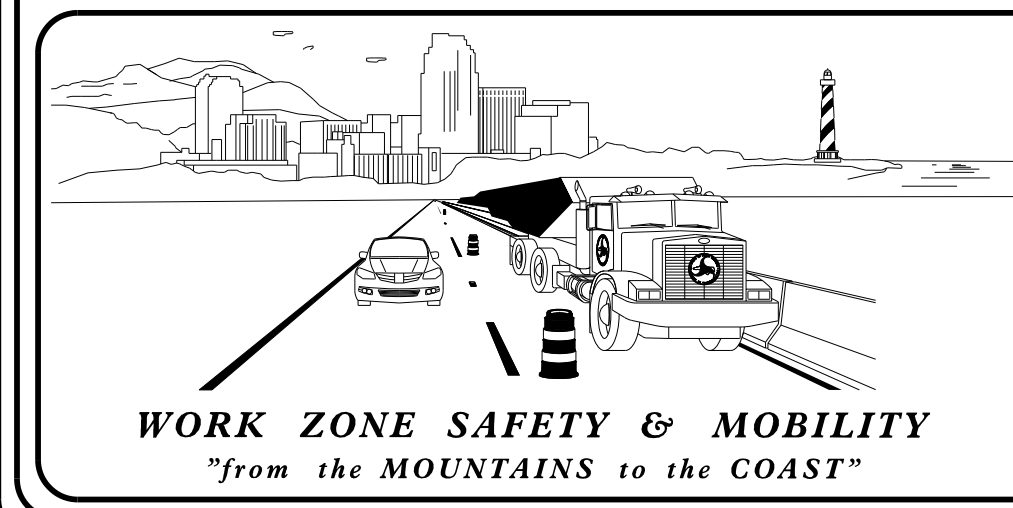
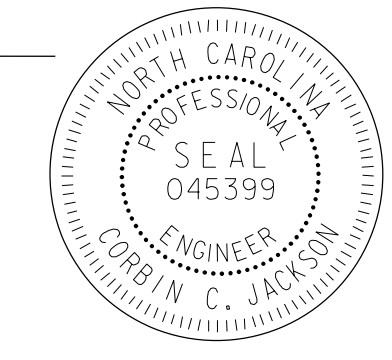
Stanly County Maintenance Yard
913 Coble Avenue
Albemarle, NC 28001

There will be no payment for the collection, loading, transportation, and unloading of Department owned traffic control devices to the address listed above.

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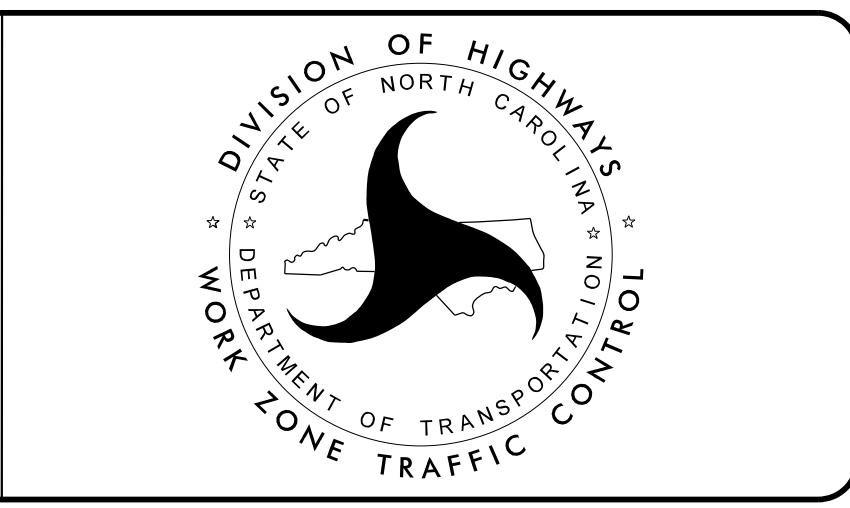
APPROVED: 
DATE: 10/4/2023

SEAL



PLANS PREPARED BY:
J. S. BOURNE, PE
CORBIN JACKSON, PE

NCDOT CONTACTS:
ZACHARY CLARK, PE
PROJECT ENGINEER
KARMEN DAIS, PE
PROJECT DESIGN ENGINEER



ICE of CAROLINAS, PLLC
ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 919-822-0333
License #: P-0999

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TIP PROJECT:

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 WARNING SIGNS |
| 1101.02 | TEMPORARY LANE CLOSURES |
| 1101.03 | TEMPORARY ROAD 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 | DRUMS |
| 1135.01 | CONES |
| 1145.01 | BARRICADES |
| 1150.01 | FLAGGING DEVICES |
| 1180.01 | SKINNY - DRUMS |

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- TEMP. SHORING (LOCATION PURPOSES ONLY)

WORK AREA

REMOVAL

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM SKINNY DRUM
- FLAGGER
- LAW ENFORCEMENT
- CHANGEABLE MESSAGE SIGN

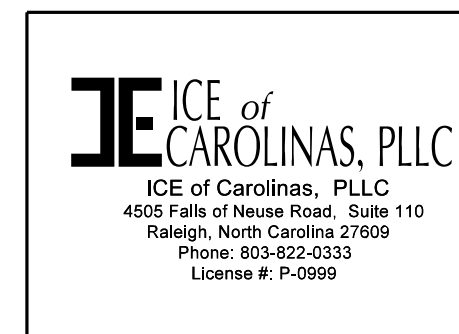
TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

TEMPORARY PAVEMENT MARKING

N/A

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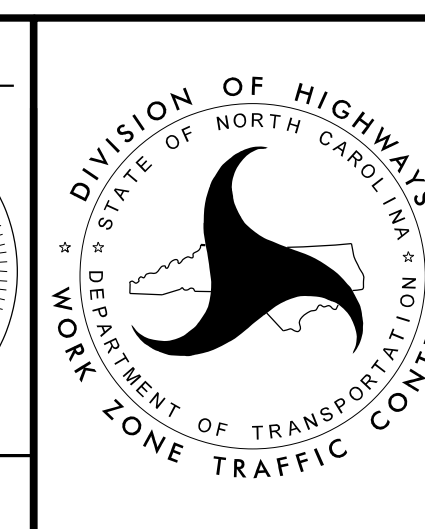


APPROVED: DocuSigned by: Colton Creighton
8F298B34C6C7449

DATE: 10/4/2023

SEAL

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



ROADWAY STANDARD
DRAWINGS & LEGEND

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| B-6046 | TMP-1B |

MANAGEMENT STRATEGIES

DURING CONSTRUCTION OF PROPOSED STRUCTURE BRIDGE NO. 102 OVER LONG CREEK, -L- (BETHLEHEM CHURCH RD, SR 1917) WILL BE CLOSED TO THROUGH TRAFFIC.

THROUGH TRAFFIC ON -L- (BETHLEHEM CHURCH RD, SR 1917) WILL BE MAINTAINED USING AN OFFSITE DETOUR.

THE OFFSITE DETOUR WILL INCLUDE SR 2001, NC 138 AND SR 1953 (SEE SHEETS TMP-3, TMP-3A).

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, 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.

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

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

COVER OR REMOVE ALL SIGNS AND DEVICES 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.

TRAFFIC CONTROL DEVICES

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

LOCAL NOTES

1. PROVIDE THIRTY (30) CALENDAR DAYS NOTICE TO THE ENGINEER, STANLY COUNTY EMERGENCY MANAGEMENT SERVICES, AND STANLY COUNTY SCHOOL OFFICIALS PRIOR TO ROAD CLOSURE.
2. LOCAL ACCESS TO ALL RESIDENCES AND BUSINESSES WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

PHASING

STEP 1: - USING RSD 1101.01, SHEET 3 OF 3, REPLACE NCDOT TEMPORARY ADVANCE WORK ZONE WARNING SIGNS WITH CONTRACTOR FURNISHED TEMPORARY ADVANCE WORK ZONE WARNING SIGNS.

STEP 2: - USING RSD 1101.03, SHEET 1 OF 9, REPLACE NCDOT TEMPORARY OFF-SITE DETOUR SIGNS AND ASSEMBLIES FOR THE CLOSURE OF -L- (BETHLEHEM CHURCH RD, SR 1917) WITH CONTRACTOR FURNISHED TEMPORARY OFF-SITE DETOUR SIGNS AND ASSEMBLIES.

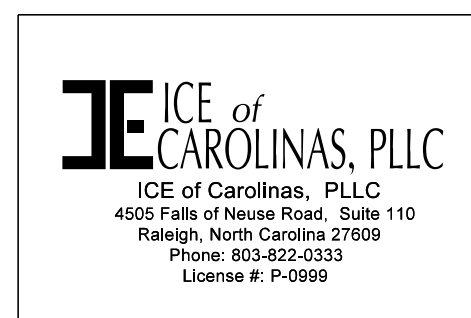
- CLOSE -L- (BETHLEHEM CHURCH RD, SR 1917) AND A PORTION OF -Y1- (PRINCE RD, SR 1954) TO THRU TRAFFIC AND DETOUR TRAFFIC OFF-SITE. (SEE SHEETS TMP-3 AND TMP-3A).


NOTE: CONTRACTOR SHALL COLLECT, LOAD, TRANSPORT AND UNLOAD THE DEPARTMENT OWNED TEMPORARY TRAFFIC CONTROL DEVICES TO STANLY COUNTY MAINTENANCE YARD. SEE PROJECT SPECIAL PROVISION

STEP 3: - REMOVE EXISTING BRIDGE AND APPROACHES, AND CONSTRUCT PROPOSED ROADWAY, BRIDGE AND APPROACHES, UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE. PLACE FINAL PAVEMENT MARKINGS IN ACCORDANCE WITH THE FINAL PAVEMENT MARKING PLAN. (SEE CONSTRUCTION PLAN AND PAVEMENT MARKING PLAN).

STEP 4: - OPEN -L- (BETHLEHEM CHURCH RD, SR 1917) AND PORTION OF -Y1- (PRINCE RD, SR 1954) TO TRAFFIC. REMOVE ALL WORK ZONE TRAFFIC CONTROL DEVICES.

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11/05/24 11:47 AM
corbin.jackson

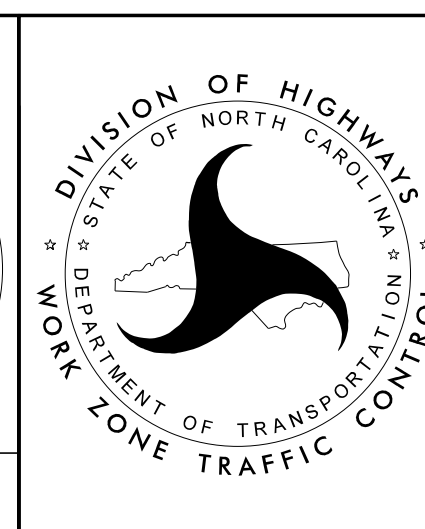


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DATE: 11/7/2023

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UNLESS ALL SIGNATURES COMPLETED**



**TRANSPORTATION
OPERATIONS
PLAN**

| | | | | |
|-------------------------------|--|-------------------------------|-----------------------------------|---------------------------|
| SIGN NUMBER: 8 | BACKG COLOR: Fluorescent Orange | DESIGN BY: MARIO ISHAK | CHECKED BY: CORBIN JACKSON | DATE: Jan 26, 2023 |
| TYPE: STATIONARY | COPY COLOR: Black | PROJECT ID: ID | LOCATION: | DIV: 10 |
| QUANTITY: SEE PLANS | | | | |
| SIGN WIDTH: 3'-0" | | | | |
| HEIGHT: 2'-0" | | | | |
| TOTAL AREA: 6.0 Sq.Ft. | | | | |
| BORDER TYPE: INSET | | | | |
| RECESS: 0.47" | | | | |
| WIDTH: 0.63" | | | | |
| RADII: 1.5" | | | | |
| NO. Z BARS: | MAT'L: 0.080" (2.0 mm) ALUMINUM | | | |
| LENGTH: | | | | |

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

Panel Style: construction_guide.ssi
M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

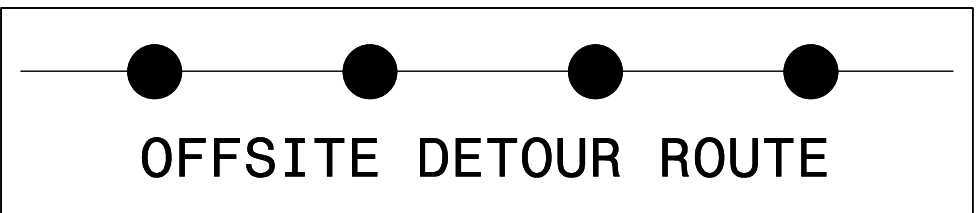
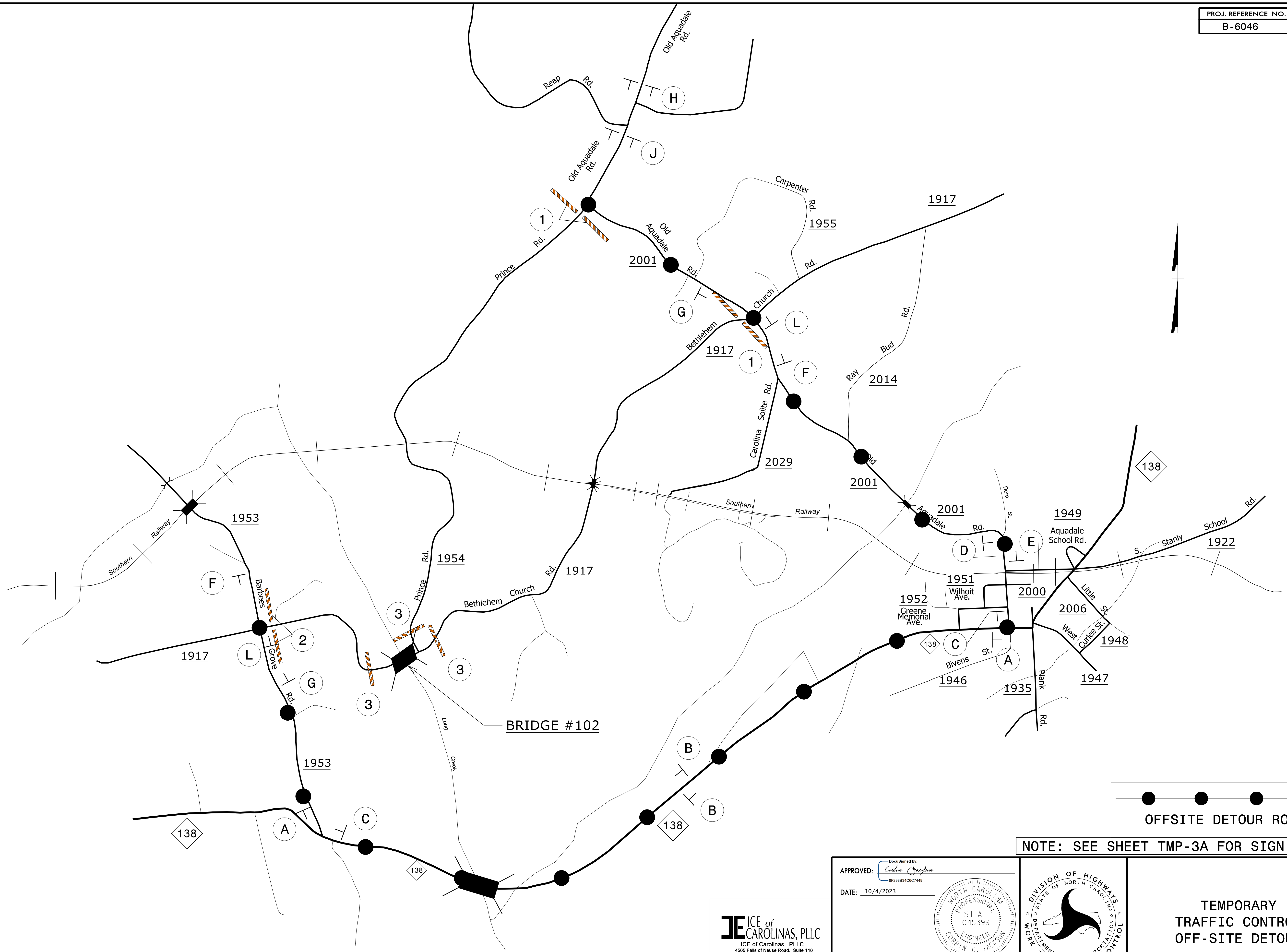
Letter spacings are to start of next letter

| | Letter Spacing (inches) | | | | | | | | | | | Series/Size | | | | | | | | |
|-----------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|--|--|--|--|--|--|--|-------------|
| | B | E | T | H | L | E | H | E | M | | | | | | | | | | | Text Length |
| BETHLEHEM | 5.6 | 2.9 | 2.4 | 2.6 | 3.1 | 2.6 | 2.7 | 3.1 | 2.7 | 2.6 | 5.6 | | | | | | | | | C 2000 |
| CHURCH RD | 4.7 | 3 | 3.1 | 3.1 | 2.8 | 3 | 2.2 | 4 | 2.9 | 2.2 | 4.7 | | | | | | | | | C 2000 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
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FILENAME: B6046_TC_TMP-2 NORTH CAROLINA D.O.T. SIGN DETAIL

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| | | | | |
|---|---|--|--|---------------------------|
| <p>ICE of Carolinas, PLLC 4505 Falls of Neuse Road, Suite 110 Raleigh, North Carolina 27609 Phone: 803-822-0333 License #: P-9289</p> | <p>APPROVED: </p> <p>DATE: 10/4/2023</p> <p style="text-align: center;">SEAL</p> <p style="text-align: center;">DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> | | | <p>SIGN DESIGN</p> |
|---|---|--|--|---------------------------|

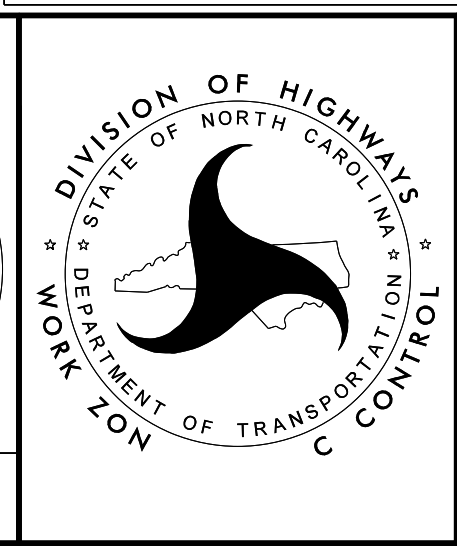
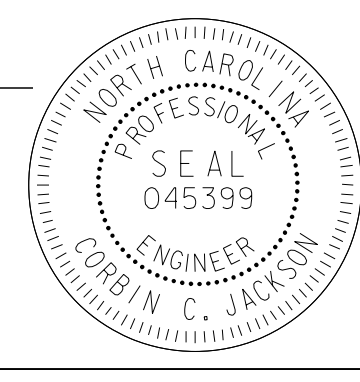


NOTE: SEE SHEET TMP-3A FOR SIGN LEGEND

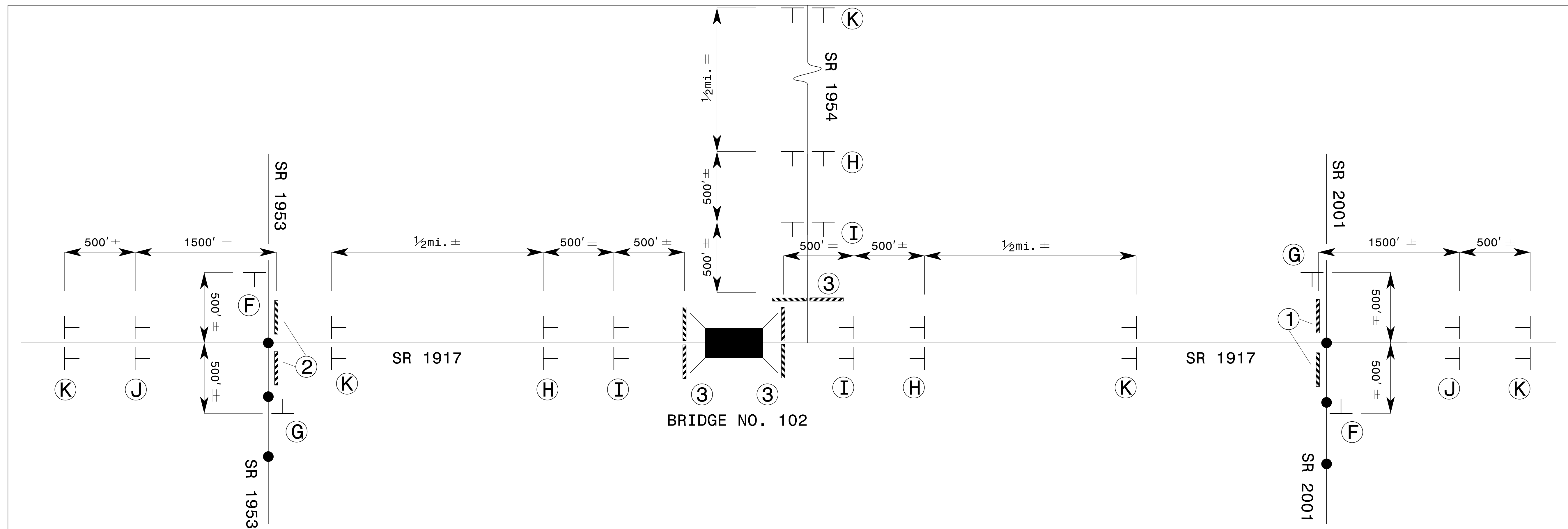
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 User:corbin,jackson

ICE of CAROLINAS, PLLC
 ICE of Carolinas, PLLC
 4505 Falls of Neuse Road, Suite 110
 Raleigh, North Carolina 27609
 Phone: 803-822-0333
 License #: P-0999

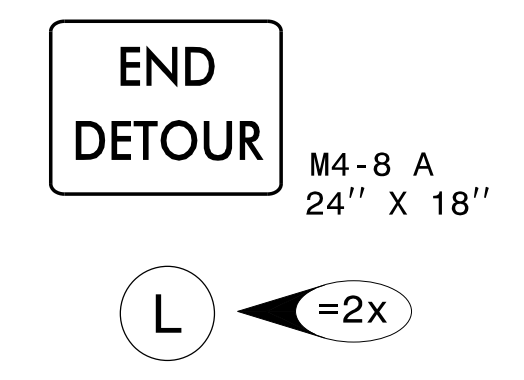
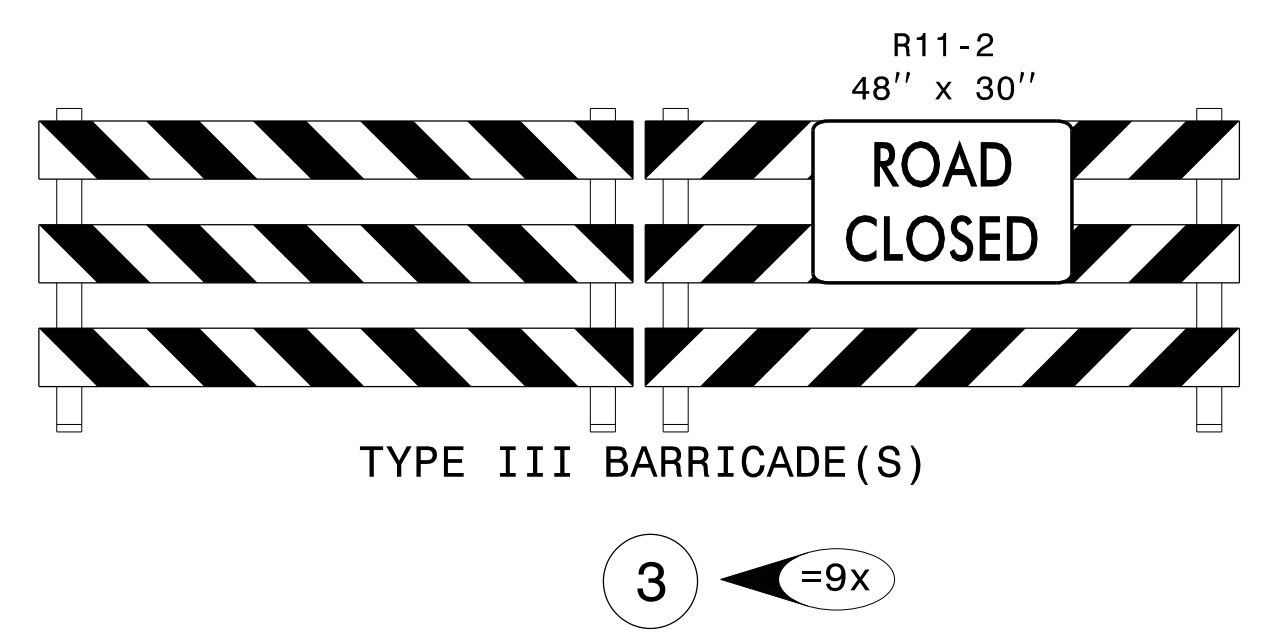
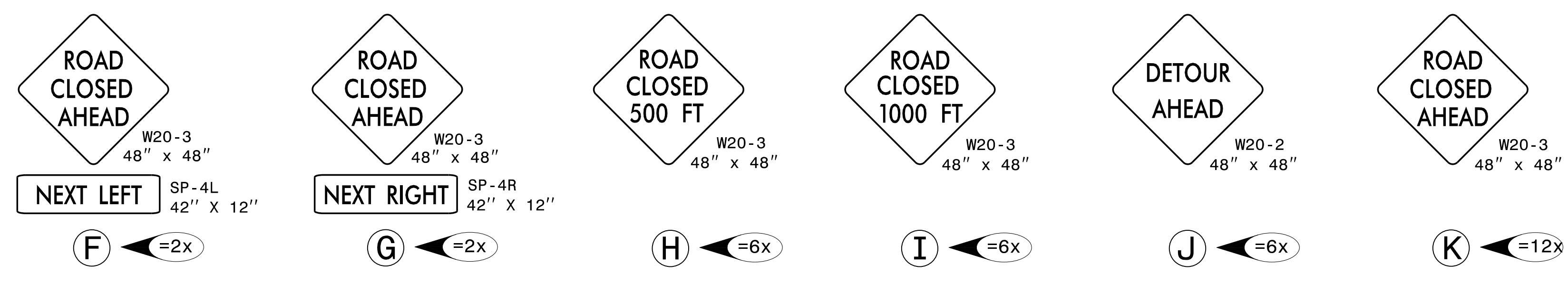
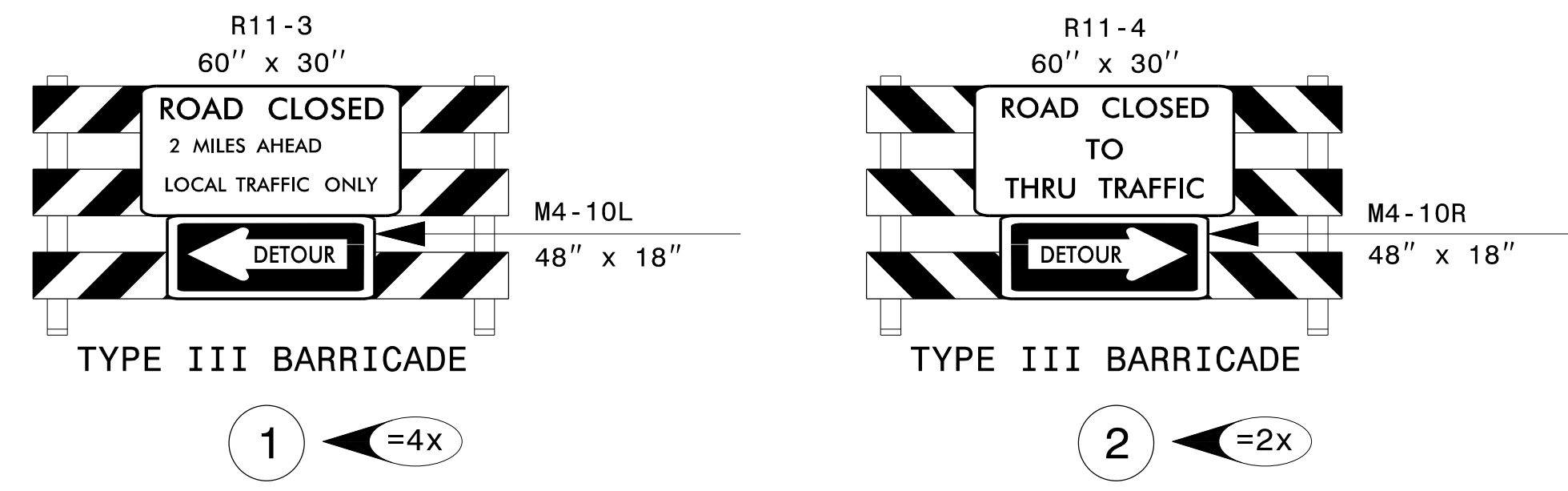
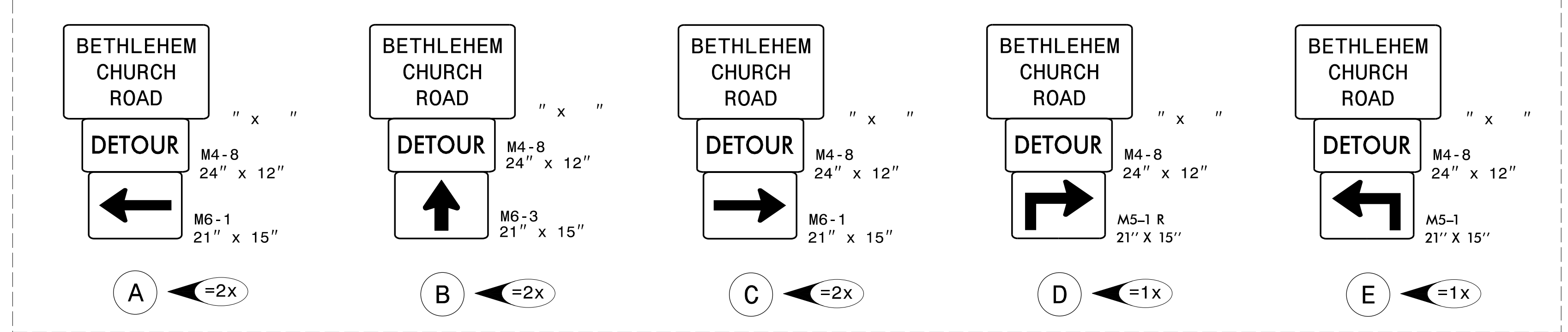
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 DATE: 10/4/2023
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 UNLESS ALL SIGNATURES COMPLETED



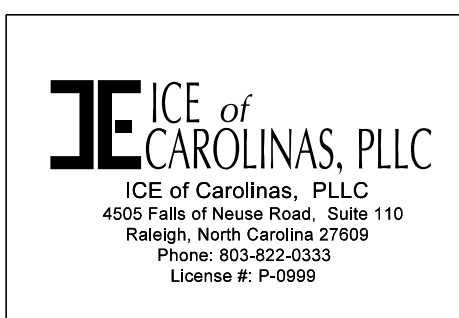
**TEMPORARY
 TRAFFIC CONTROL
 OFF-SITE DETOUR**



SEE TMP-3 FOR SIGN PLACEMENT



NOTE: x DENOTES THE NUMBER OF EACH BARRICADE/SIGN ASSEMBLY TO BE USED.



APPROVED:
 DATE: 10/4/2023
 SEAL



TEMPORARY TRAFFIC CONTROL ROAD CLOSURE

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