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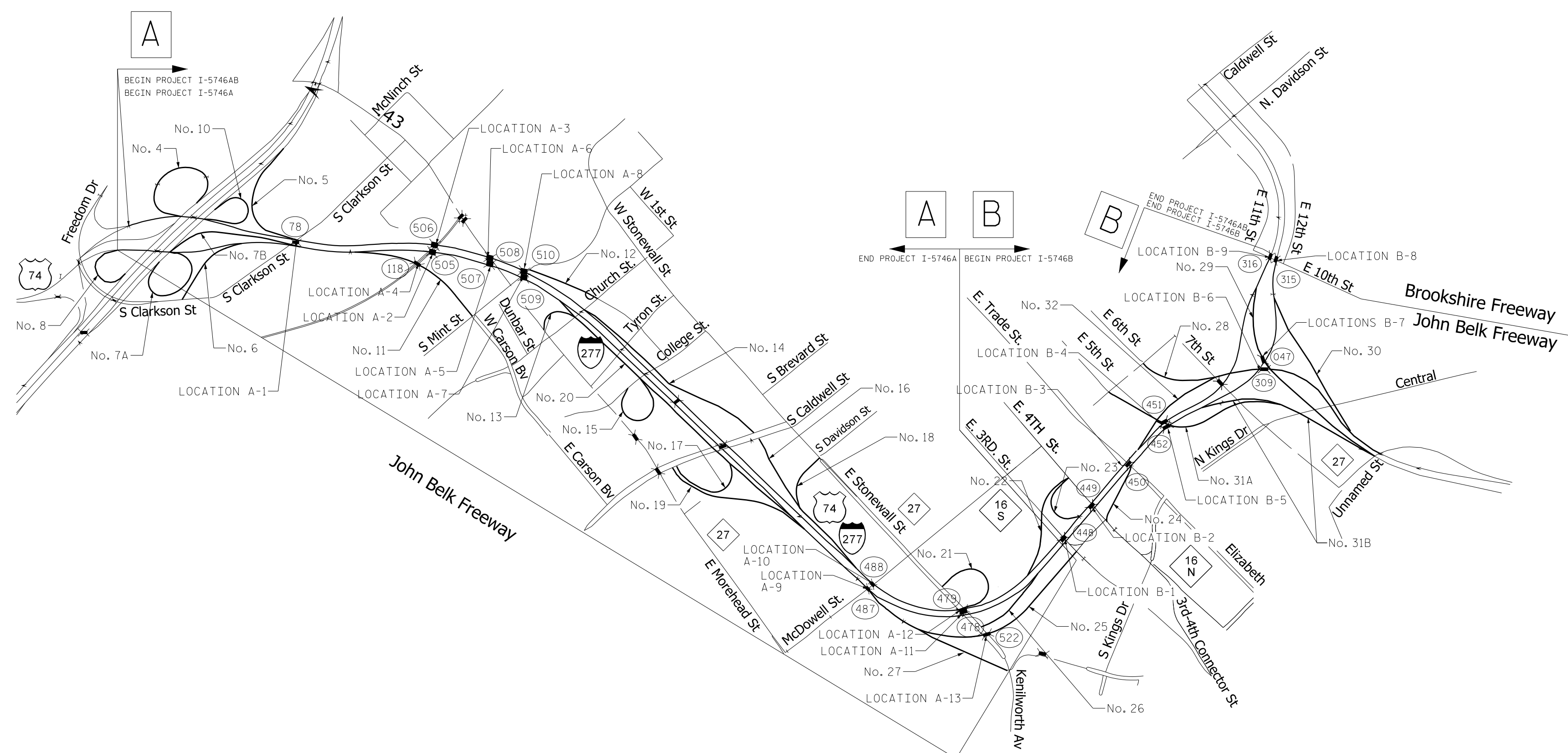
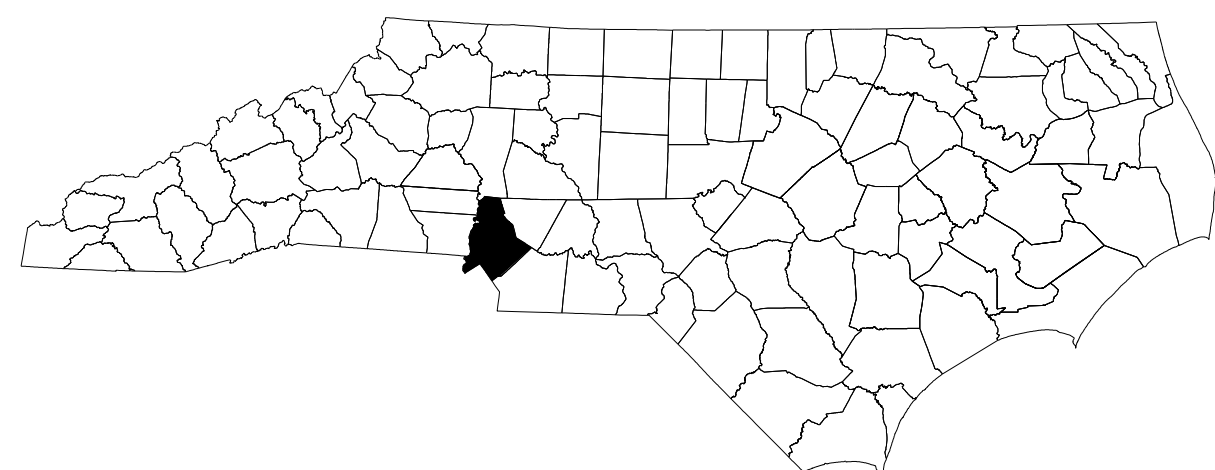
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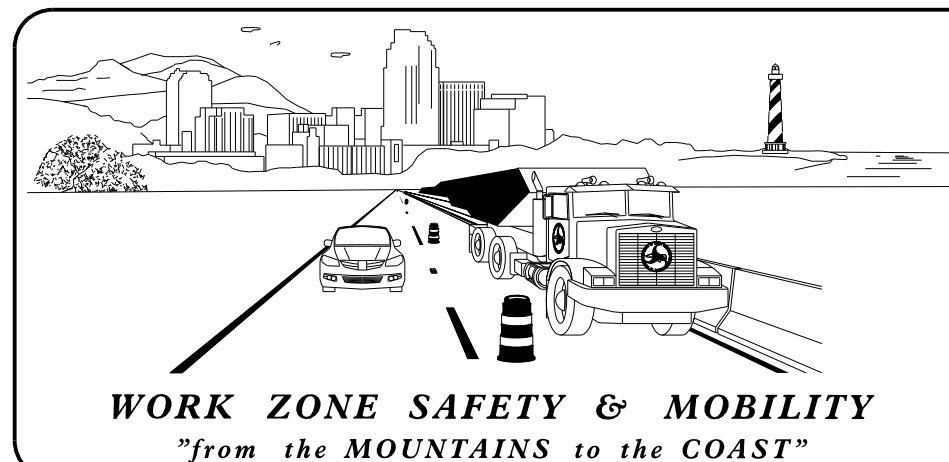
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

**MECKLENBURG COUNTY
DIVISION 10**

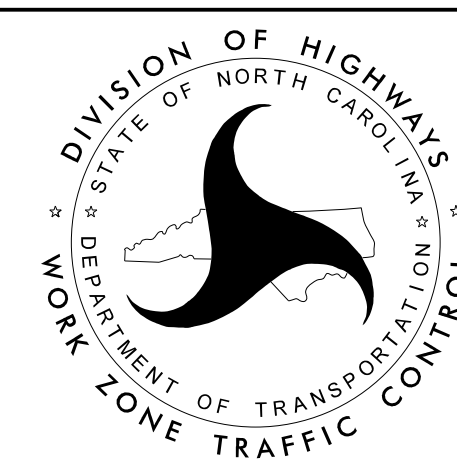


SEE SHEETS TMP-3, TMP-4, TMP-5, TMP-6 AND TMP-7 FOR VICINITY MAPS



N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561
750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)
PHONE: (919) 814-5000 FAX: (919) 771-2745

VACANT STATE TRAFFIC MANAGEMENT ENGINEER
DON A. PARKER, PE TRAFFIC CONTROL PROJECT ENGINEER
R.M. GARRETT TRAFFIC CONTROL PROJECT DESIGN ENGINEER
K. DAIS TRAFFIC CONTROL DESIGN ENGINEER



INDEX OF SHEETS

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SHEET NO.
TMP-1

TIP PROJECT: I-5746A-I-5746B

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

KCA
KISINGER CAMPO & ASSOCIATES
Kisinger Campo & Associates Corp.
4800 Six Forks Rd.,
Suite 120
Raleigh, NC 27609
John P. Mazeres, PE No. 043935

DocuSigned by:
John P. Mazeres
6B3C0D0083A5A4F...
SEAL
043935
NORTH CAROLINA
PROFESSIONAL
ENGINEER
JOHN P. MAZERES

4/24/2017



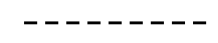

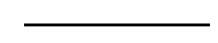

ROADWAY STANDARD DRAWINGS

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:

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.06	WARNING SIGNS FOR BLASTING ZONES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1170.01	POSITIVE PROTECTION
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMPS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

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

 USER DEFINED (IF NEEDED)

 USER DEFINED (IF NEEDED)







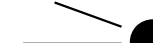




SIGNALS

-  EXISTING
-  PROPOSED
-  TEMPORARY




PAVEMENT MARKINGS

-  EXISTING LINES
-  TEMPORARY LINES


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

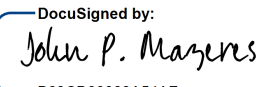
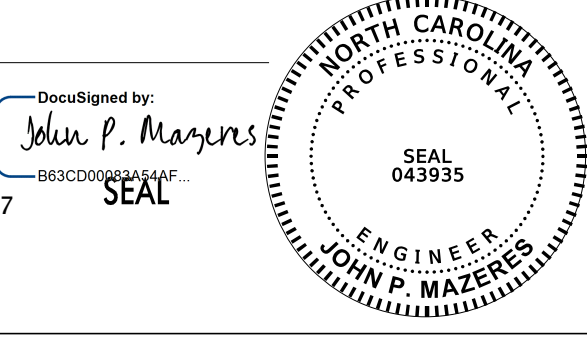
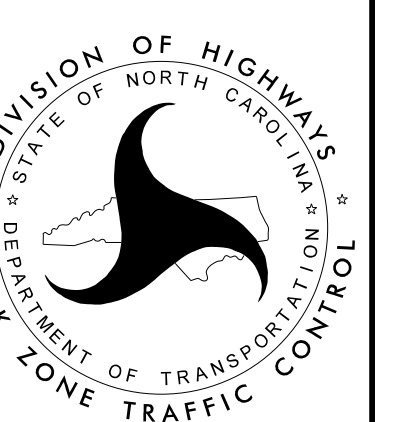
-  CRYSTAL/CRYSTAL
-  CRYSTAL/RED
-  YELLOW/YELLOW

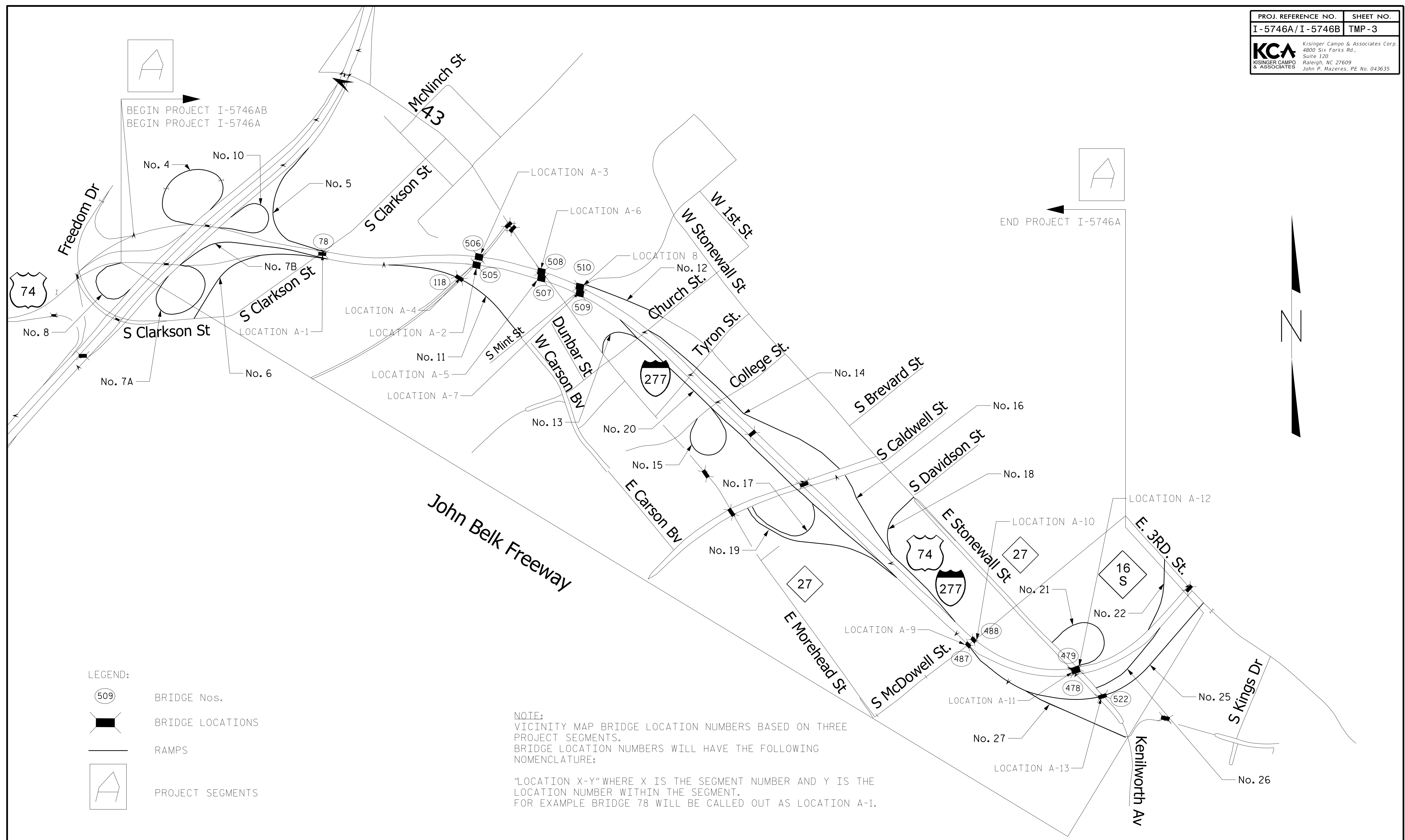
PAVEMENT MARKING SYMBOLS



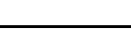
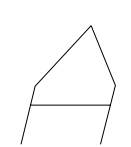
-  PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

- P6 - 6" WHITE PAINT EDGELINE
- P7 - 6" YELLOW PAINT EDGELINE
- PL - 6" WHITE PAINT SOLID LANE LINE
- PK - 6" WHITE PAINT MINISKIP
- C6 - 6" WHITE PLASTIC EDGELINE
- C7 - 6" YELLOW PLASTIC EDGELINE
- CL - 6" WHITE PLASTIC SOLID LANE LINE
- CK - 6" WHITE PLASTIC MINISKIP

APPROVED: _____ DATE: _____ DocuSigned by:  5/4/2017 		ROADWAY STANDARD DRAWINGS & LEGEND
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		




- LEGEND:
-  BRIDGE Nos.
 -  BRIDGE LOCATIONS
 -  RAMPS
 -  PROJECT SEGMENTS

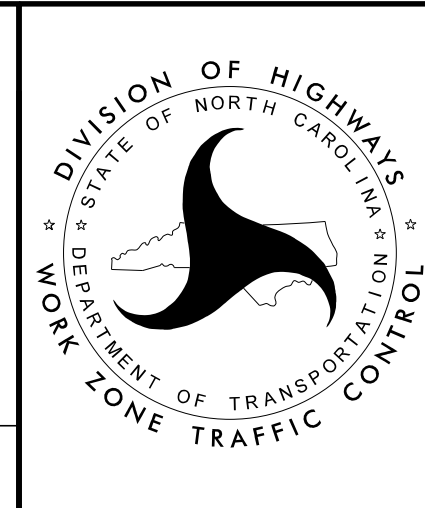
NOTE:
VICINITY MAP BRIDGE LOCATION NUMBERS BASED ON THREE PROJECT SEGMENTS.
BRIDGE LOCATION NUMBERS WILL HAVE THE FOLLOWING NOMENCLATURE:
"LOCATION X-Y" WHERE X IS THE SEGMENT NUMBER AND Y IS THE LOCATION NUMBER WITHIN THE SEGMENT.
FOR EXAMPLE BRIDGE 78 WILL BE CALLED OUT AS LOCATION A-1.

4/24/2017
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 User: jmazeres

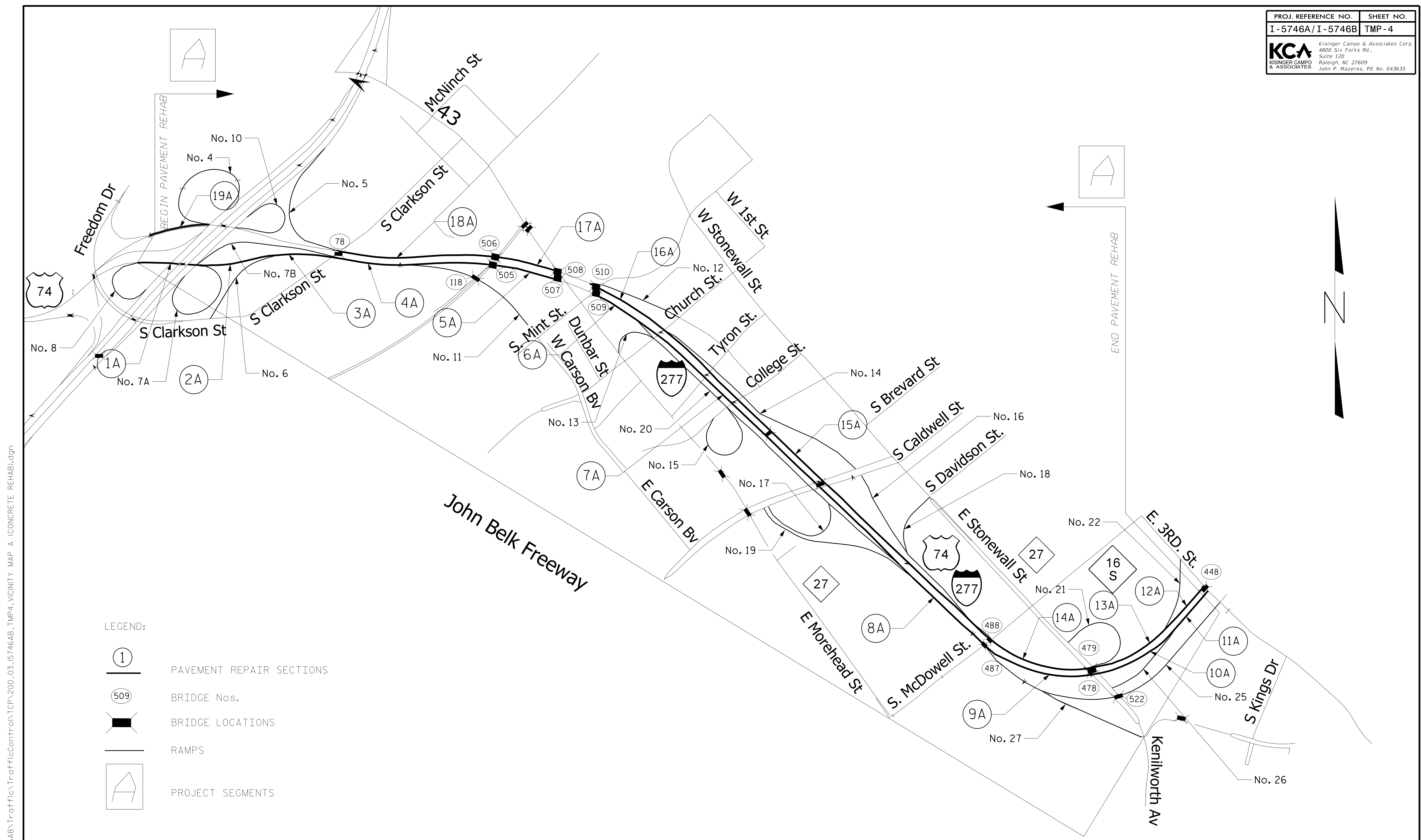
MAP	DESCRIPTION
NB #1 INTERSTATE 277 (OUTER LOOP)	FROM I-77 AROUND CENTER CITY CHARLOTTE TO BRIDGE OVER JOHNSON ST.
SB #2 INTERSTATE 277 (INNER LOOP)	FROM BRIDGE OVER JOHNSON ST AROUND CENTER CITY CHARLOTTE TO I-77

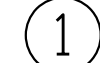


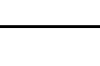
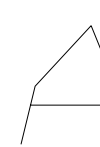
DocuSigned by:

 JOHN P. MAZERES
 PE No. 043635

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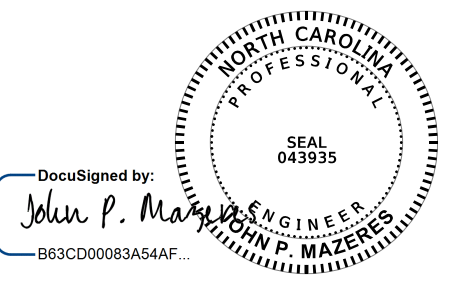
VICINITY MAP
SEGMENT A



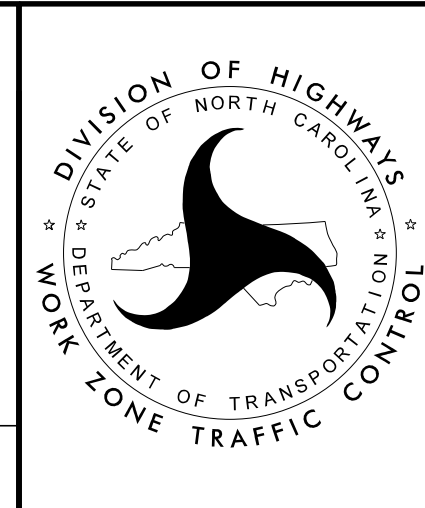
- LEGEND:
-  PAVEMENT REPAIR SECTIONS
 -  BRIDGE Nos.
 -  BRIDGE LOCATIONS
 -  RAMPS
 -  PROJECT SEGMENTS

MAP
 NB #1 INTERSTATE 277 (OUTER LOOP)
 SB #2 INTERSTATE 277 (INNER LOOP)

DESCRIPTION
 FROM I-77 AROUND CENTER CITY CHARLOTTE TO BRIDGE OVER JOHNSON ST.
 FROM BRIDGE OVER JOHNSON ST AROUND CENTER CITY CHARLOTTE TO I-77

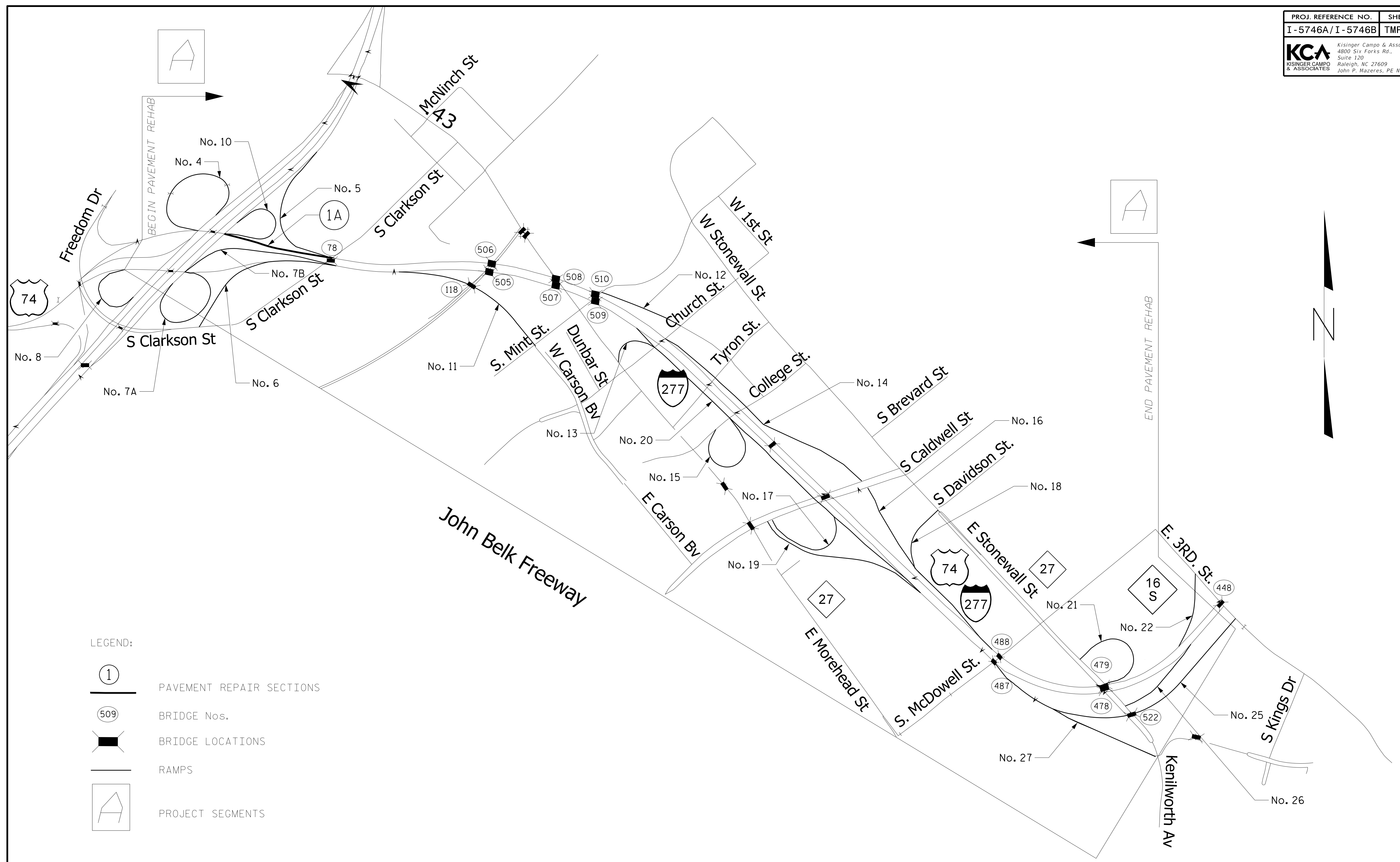
DocuSigned by:

John P. Mazeres
 ENGINEER
 JOHN P. MAZERES
 043635




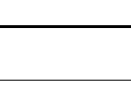
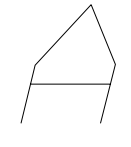
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**CONCRETE PAVEMENT
 PRESERVATION:
 SEGMENT A**

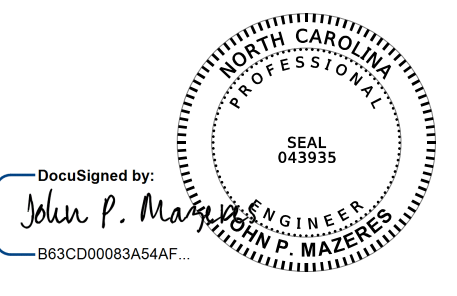
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 User: jmazeres



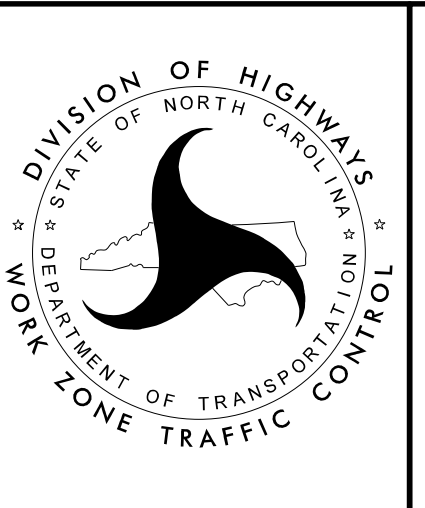
- LEGEND:
-  PAVEMENT REPAIR SECTIONS
 -  BRIDGE Nos.
 -  BRIDGE LOCATIONS
 -  RAMPS
 -  PROJECT SEGMENTS

MAP
 NB #1 INTERSTATE 277 (OUTER LOOP)
 SB #2 INTERSTATE 277 (INNER LOOP)

DESCRIPTION
 FROM I-77 AROUND CENTER CITY CHARLOTTE TO BRIDGE OVER JOHNSON ST.
 FROM BRIDGE OVER JOHNSON ST AROUND CENTER CITY CHARLOTTE TO I-77

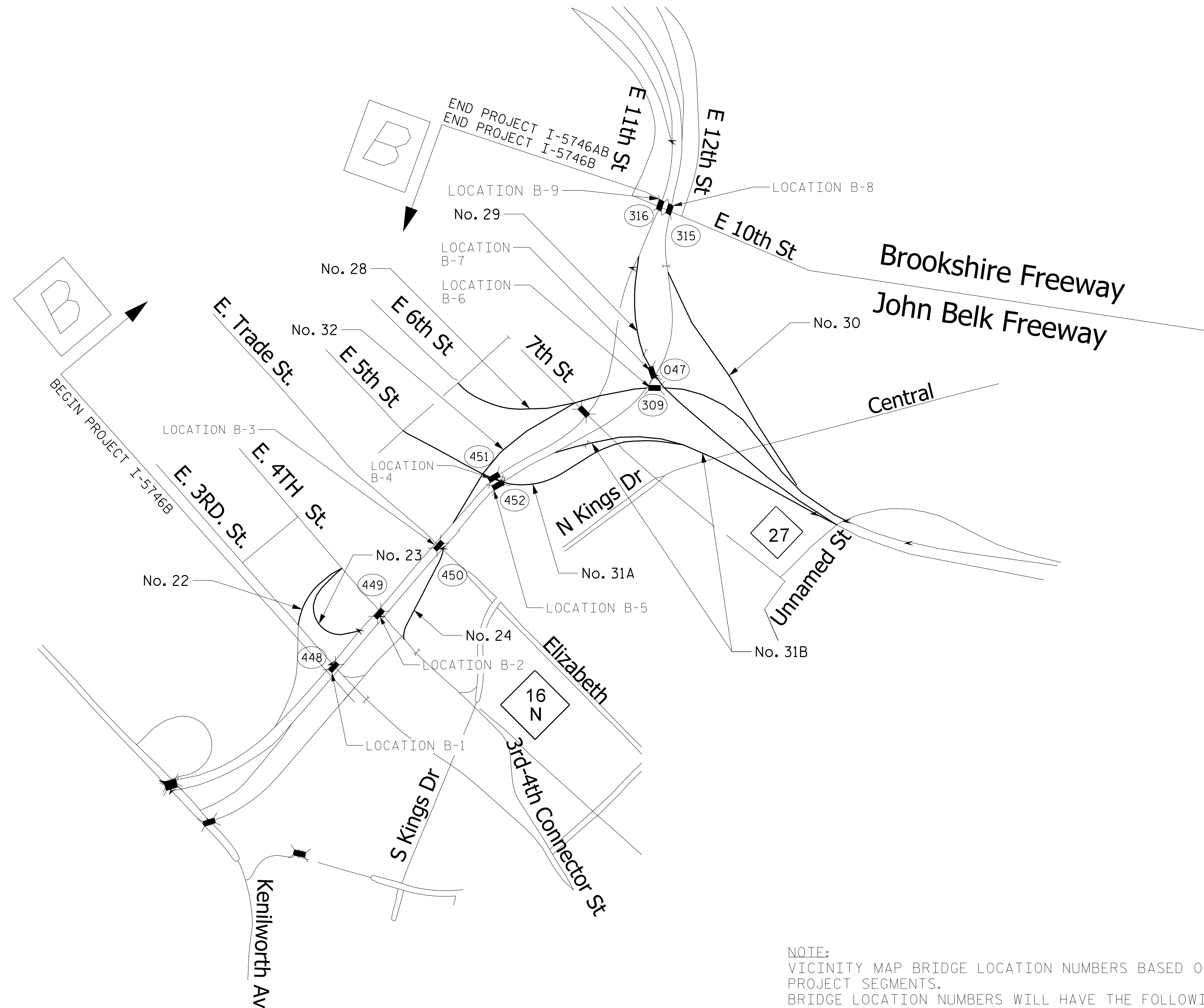
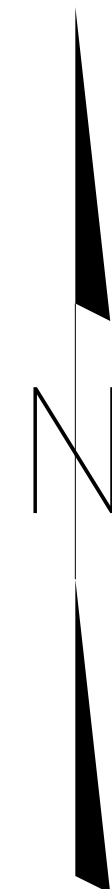
DocuSigned by:

 JOHN P. MAZERES, PE
 04/24/2017 10:08:34 AM



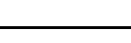
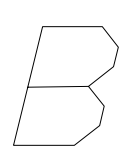
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**ASPHALT MILLING
 AND RESURFACING:
 SEGMENT A**

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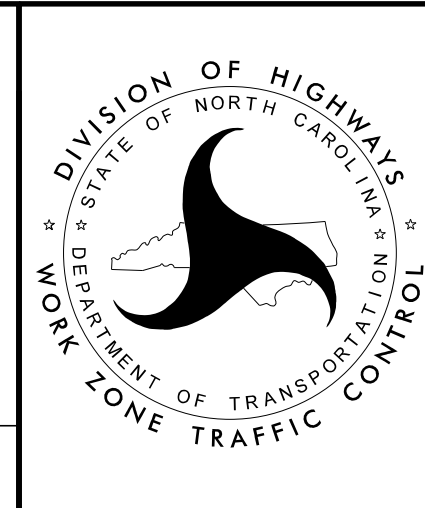
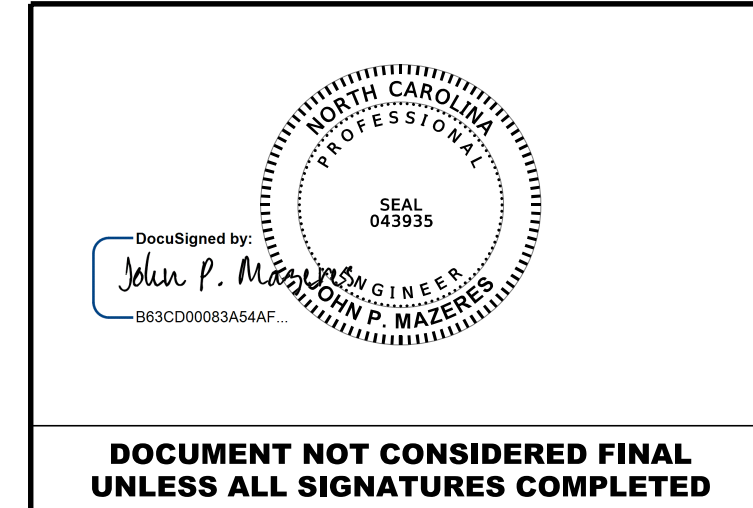


- LEGEND:
-  BRIDGE Nos.
 -  BRIDGE LOCATIONS
 -  RAMPS
 -  PROJECT SEGMENT

NOTE:
 VICINITY MAP BRIDGE LOCATION NUMBERS BASED ON THREE PROJECT SEGMENTS.
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 FOR EXAMPLE BRIDGE 448 WILL BE CALLED OUT AS LOCATION B-1.

MAP
 NB #1 INTERSTATE 277 (OUTER LOOP)
 SB #2 INTERSTATE 277 (INNER LOOP)

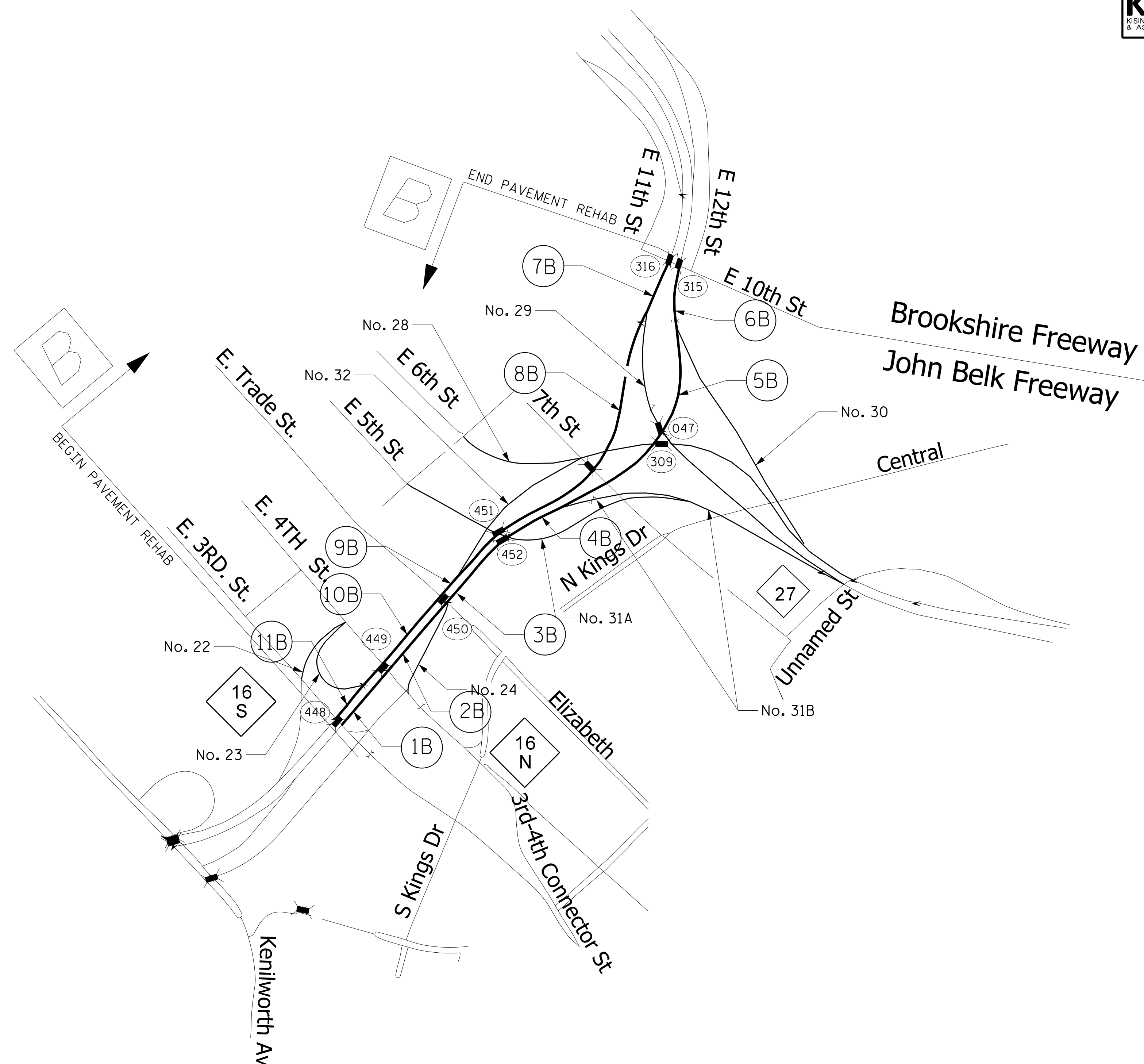
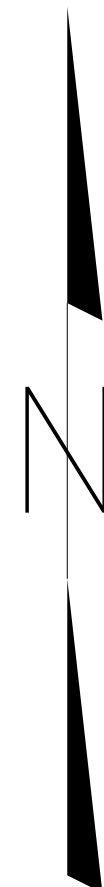
DESCRIPTION
 FROM I-77 AROUND CENTER CITY CHARLOTTE TO BRIDGE OVER JOHNSON ST.
 FROM BRIDGE OVER JOHNSON ST AROUND CENTER CITY CHARLOTTE TO I-77








VICINITY MAP
 SEGMENT B

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 User:jmazeres

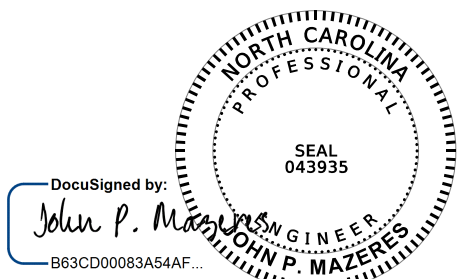


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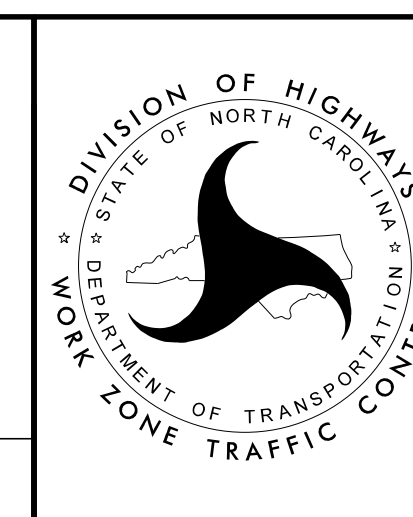
-  PAVEMENT REPAIR SECTIONS
-  BRIDGE Nos.
-  BRIDGE LOCATIONS
-  RAMPS
-  PROJECT SEGMENT

MAP
 NB #1 INTERSTATE 277 (OUTER LOOP)
 SB #2 INTERSTATE 277 (INNER LOOP)

DESCRIPTION
 FROM I-77 AROUND CENTER CITY CHARLOTTE TO BRIDGE OVER JOHNSON ST.
 FROM BRIDGE OVER JOHNSON ST AROUND CENTER CITY CHARLOTTE TO I-77

DocuSigned by:

 JOHN P. MAZERES
 PE No. 043635

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 UNLESS ALL SIGNATURES COMPLETED**



**CONCRETE PAVEMENT
 PRESERVATION:
 SEGMENT B**

4/24/2017
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 User: jmazeres

INDEX OF SHEETS

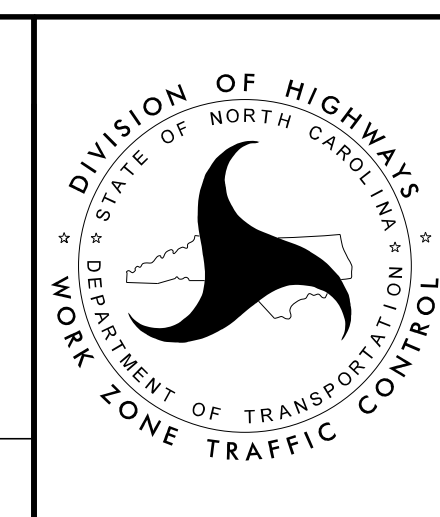
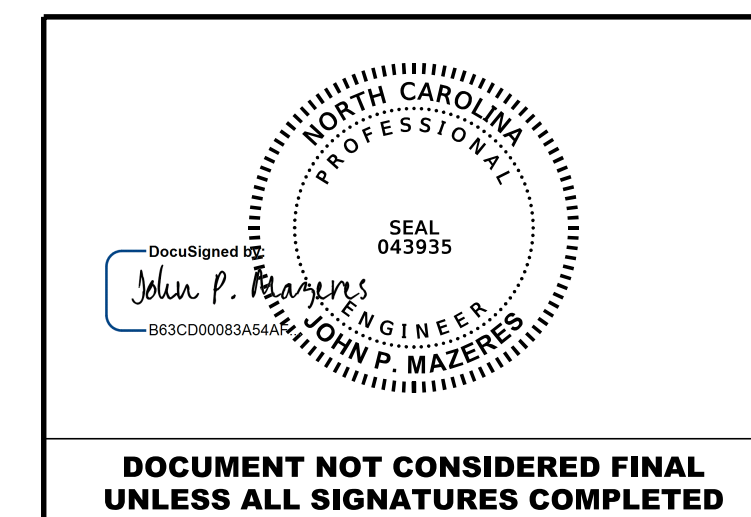
PROJ. REFERENCE NO.	SHEET NO.
I-5746A/I-5746B	TMP-8

KCA
KISINGER CAMPO & ASSOCIATES
Kisinger Campo & Associates Corp.
4800 Six Forks Rd.,
Suite 120
Raleigh, NC 27609
John P. Mazerres, PE No. 043935

SHEETS NO.	TITLE
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TMP-2	ROADWAY STANDARD DRAWINGS AND LEGEND
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TMP-4	VICINITY MAP - CONCRETE REHAB - SEGMENT A
TMP-5	VICINITY MAP - ASPHALT - SEGMENT A
TMP-6	VICINITY MAP (OVERALL) - SEGMENT B
TMP-7	VICINITY MAP - CONCRETE REHAB - SEGMENT B
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TMP-9A	GENERAL NOTES (2 OF 2)
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TMP-10A	PHASING NOTES (2 OF 6)
TMP-10B	PHASING NOTES (3 OF 6)
TMP-10C	PHASING NOTES (4 OF 6)
TMP-10D	PHASING NOTES (5 OF 6)
TMP-10E	PHASING NOTES (6 OF 6)
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TMP-12	OFFSITE DETOUR 5
TMP-13	OFFSITE DETOUR 6
TMP-14	OFFSITE DETOUR 7A
TMP-15	OFFSITE DETOUR 7B
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TMP-17	OFFSITE DETOUR 10
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TMP-32	OFFSITE DETOUR 25 RTE-1
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TMP-42	OFFSITE DETOUR US 74 EB WEST OF BRIDGE #44
TMP-43	OFFSITE DETOUR US 74 WB WEST OF BRIDGE #48
TMP-44	OFFSITE DETOUR US 74 WB AT BRIDGE #78
TMP-45	OFFSITE DETOUR 10TH AND 11TH STREETS
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TMP-48	LANE CLOSURE DETAIL W. MOREHEAD ST. WB OUTSIDE LANE
TMP-49	LANE CLOSURE DETAIL W. MOREHEAD ST. WB INSIDE LANE
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TMP-51	LANE CLOSURE DETAIL S. MINT ST. NB OUTSIDE LANE
TMP-52	LANE CLOSURE DETAIL S. MINT ST. SB INSIDE LANE
TMP-53	LANE CLOSURE DETAIL STONEWALL KENILWORTH NB OUTSIDE LANE
TMP-54	LANE CLOSURE DETAIL STONEWALL KENILWORTH NB INSIDE LANE
TMP-55	LANE CLOSURE DETAIL STONEWALL KENILWORTH SB OUTSIDE LANE
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TMP-58	LANE CLOSURE DETAIL E. THIRD ST. OUTSIDE LANE
TMP-59	LANE CLOSURE DETAIL E. FOURTH ST. INSIDE LANE
TMP-60	LANE CLOSURE DETAIL E. FOURTH ST. OUTSIDE LANE
TMP-61	LANE CLOSURE DETAIL E. SEVENTH ST. CENTER LANE
TMP-62	LANE CLOSURE DETAIL E. TENTH ST. WB OUTSIDE LANE
TMP-63	LANE CLOSURE DETAIL E. TENTH ST. EB OUTSIDE LANE
TMP-64	LANE CLOSURE DETAIL E. TENTH ST. CENTER LANES
TMP-65	LANE CLOSURE DETAIL 3 LANE C&G SECTION 3A: NORTHBOUND (STEP 1 OF 2)
TMP-66	LANE CLOSURE DETAIL 3 LANE C&G SECTION 3A: NORTHBOUND (STEP 2 OF 2)
TMP-67	LANE CLOSURE DETAIL 4 LANE SECTIONS 4A & 5A: NORTHBOUND (STEP 1 OF 4)
TMP-68	LANE CLOSURE DETAIL 4 LANE SECTIONS 4A & 5A: NORTHBOUND (STEP 2 OF 4)

SHEETS NO.	TITLE
TMP-69	LANE CLOSURE DETAIL 4 LANE SECTIONS 4A & 5A: NORTHBOUND (STEP 3 OF 4)
TMP-70	LANE CLOSURE DETAIL 4 LANE SECTIONS 4A & 5A: NORTHBOUND (STEP 4 OF 4)
TMP-71	LANE CLOSURE DETAIL 4 LANE SECTION 6A: NORTHBOUND (STEP 1 OF 3)
TMP-72	LANE CLOSURE DETAIL 4 LANE SECTION 6A: NORTHBOUND (STEP 2 OF 3)
TMP-73	LANE CLOSURE DETAIL 4 LANE SECTION 6A: NORTHBOUND (STEP 3 OF 3)
TMP-74	LANE CLOSURE DETAIL 3 LANE SECTIONS 7A: NORTHBOUND AND 15A: SOUTHBOUND (STEP 1 OF 3)
TMP-75	LANE CLOSURE DETAIL 3 LANE SECTIONS 7A: NORTHBOUND AND 15A: SOUTHBOUND (STEP 2 OF 3)
TMP-76	LANE CLOSURE DETAIL 3 LANE SECTIONS 7A: NORTHBOUND AND 15A: SOUTHBOUND (STEP 3 OF 3)
TMP-77	LANE CLOSURE DETAIL 4 AND 5 LANE SECTIONS 8A AND 9A: NORTHBOUND (STEP 1 OF 4)
TMP-78	LANE CLOSURE DETAIL 4 AND 5 LANE SECTIONS 8A AND 9A: NORTHBOUND (STEP 2 OF 4)
TMP-79	LANE CLOSURE DETAIL 4 AND 5 LANE SECTIONS 8A AND 9A: NORTHBOUND (STEP 3 OF 4)
TMP-80	LANE CLOSURE DETAIL 4 AND 5 LANE SECTIONS 8A AND 9A: NORTHBOUND (STEP 4 OF 4)
TMP-81	LANE CLOSURE DETAIL 3 & 4 LANE SECTIONS 10A AND 11A: NORTHBOUND (STEP 1 OF 2)
TMP-82	LANE CLOSURE DETAIL 3 & 4 LANE SECTIONS 10A AND 11A: NORTHBOUND (STEP 2 OF 2)
TMP-83	LANE CLOSURE DETAIL 3 LANE SECTIONS 12A AND 13A: SOUTHBOUND (STEP 1 OF 2)
TMP-84	LANE CLOSURE DETAIL 3 LANE SECTIONS 12A AND 13A: SOUTHBOUND (STEP 2 OF 2)
TMP-85	LANE CLOSURE DETAIL 4 LANE SECTION 14A: SOUTHBOUND (STEP 1 OF 2)
TMP-86	LANE CLOSURE DETAIL 4 LANE SECTION 14A: SOUTHBOUND (STEP 2 OF 2)
TMP-87	LANE CLOSURE DETAIL 3 AND 4 LANE SECTIONS 16A AND 17A: SOUTHBOUND (STEP 1 OF 2)
TMP-88	LANE CLOSURE DETAIL 3 AND 4 LANE SECTIONS 16A AND 17A: SOUTHBOUND (STEP 2 OF 2)
TMP-89	LANE CLOSURE DETAIL 3 LANE SECTION 18A: SOUTHBOUND (STEP 1 OF 3) (1 OF 2)
TMP-90	LANE CLOSURE DETAIL 3 LANE SECTION 18A: SOUTHBOUND (STEP 1 OF 3) (2 OF 2)
TMP-91	LANE CLOSURE DETAIL 3 LANE SECTION 18A: SOUTHBOUND (STEP 2 OF 3) (1 OF 2)
TMP-92	LANE CLOSURE DETAIL 3 LANE SECTION 18A: SOUTHBOUND (STEP 2 OF 3) (2 OF 2)
TMP-93	LANE CLOSURE DETAIL 3 LANE SECTION 18A: SOUTHBOUND (STEP 3 OF 3) (1 OF 2)
TMP-94	LANE CLOSURE DETAIL 3 LANE SECTION 18A: SOUTHBOUND (STEP 3 OF 3) (2 OF 2)
TMP-95	LANE CLOSURE DETAIL 3 LANE C&G SECTION 19A: SOUTHBOUND (STEP 1 OF 2)
TMP-96	LANE CLOSURE DETAIL 3 LANE C&G SECTION 19A: SOUTHBOUND (STEP 2 OF 2)
TMP-97	LANE CLOSURE DETAIL BRIDGE #78: SOUTHBOUND (STEP 1 OF 2)
TMP-98	LANE CLOSURE DETAIL BRIDGE #78: SOUTHBOUND (STEP 2 OF 2)
TMP-99	LANE CLOSURE DETAIL 3 LANE SECTIONS 1B & 2B: SOUTHBOUND (STEP 1 OF 2)
TMP-100	LANE CLOSURE DETAIL 3 LANE SECTIONS 1B & 2B: SOUTHBOUND (STEP 2 OF 2)
TMP-101	LANE CLOSURE DETAIL 2 AND 4 LANE SECTIONS 3B, 4B & 5B: NORTHBOUND (STEP 1 OF 2) (1 OF 2)
TMP-102	LANE CLOSURE DETAIL 2 AND 4 LANE SECTIONS 3B, 4B & 5B: NORTHBOUND (STEP 1 OF 2) (2 OF 2)
TMP-103	LANE CLOSURE DETAIL 2 AND 4 LANE SECTIONS 3B, 4B & 5B: NORTHBOUND (STEP 2 OF 2) (1 OF 2)
TMP-104	LANE CLOSURE DETAIL 2 AND 4 LANE SECTIONS 3B, 4B & 5B: NORTHBOUND (STEP 2 OF 2) (2 OF 2)
TMP-105	LANE CLOSURE DETAIL 4 LANE SECTION 6B: NORTHBOUND (STEP 1 OF 2)
TMP-106	LANE CLOSURE DETAIL 4 LANE SECTION 6B: NORTHBOUND (STEP 2 OF 2)
TMP-107	LANE CLOSURE DETAIL 2 AND 4 LANE SECTIONS 7B AND 8B: SOUTHBOUND (STEP 1 OF 2)
TMP-108	LANE CLOSURE DETAIL 2 AND 4 LANE SECTIONS 7B AND 8B: SOUTHBOUND (STEP 2 OF 2)
TMP-109	LANE CLOSURE DETAIL 2 LANE SECTION 9B: SOUTHBOUND (STEP 1 OF 2)
TMP-110	LANE CLOSURE DETAIL 2 LANE SECTION 9B: SOUTHBOUND (STEP 2 OF 2)
TMP-111	LANE CLOSURE DETAIL 2 AND 4 LANE SECTIONS 10B AND 11B: SOUTHBOUND (STEP 1 OF 2)
TMP-112	LANE CLOSURE DETAIL 2 AND 4 LANE SECTIONS 10B AND 11B: SOUTHBOUND (STEP 2 OF 2)
TMP-113	SIGN DETAILS: CARSON BLVD
TMP-114	SIGN DETAILS: COLLEGE ST/ SOUTH BLVD
TMP-115	SIGN DETAILS: COLLEGE STREET
TMP-116	SIGN DETAILS: SOUTH BLVD
TMP-117	SIGN DETAILS: CALDWELL STREET
TMP-118	SIGN DETAILS: KENILWORTH AVENUE
TMP-119	SIGN DETAILS: STONEWALL STREET
TMP-120	SIGN DETAILS: 3RD STREET
TMP-121	SIGN DETAILS: 6TH STREET
TMP-122	SIGN DETAILS: 4TH STREET
TMP-123	SIGN DETAILS: 10TH STREET
TMP-124	SIGN DETAILS: 12TH STREET

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INDEX OF SHEETS

**DOCUMENT NOT CONSIDERED FINAL
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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.

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
I-277, US 29, NC 27, NC 16	6:00 A.M. TO 9:00 P.M. (SINGLE LANE), MONDAY TO FRIDAY
I-277, US 29, NC 27, NC 16	9:00 A.M. TO 6:00 P.M. (SINGLE LANE), SATURDAY AND SUNDAY
I-277, US 29, NC 27, NC 16	6:00 A.M. TO 11:00 P.M. (DOUBLE LANE), MONDAY TO FRIDAY
I-277, US 29, NC 27, NC 16	9:00 A.M. TO 9:00 P.M. (DOUBLE LANE), SATURDAY AND SUNDAY
LOCAL / CITY STREETS	7:00 A.M. TO 9:00 A.M. AND 4:00 P.M. TO 6:00 PM

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME: I-277
HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 9:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 9:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- FOR ANY GAMES OCCURRING IN CHARLOTTE AND GAMES AT BOBCAT ARENA BETWEEN THREE HOURS BEFORE THE START AND THREE HOURS AFTER THE END OF THE ANY PANTHERS/BOBCATS GAMES.
- FOR ANY NASCAR EVENT AT THE LOWES MOTOR SPEEDWAY, BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY THE WEEK OF THE EVENT UNTIL 8:00 P.M. THE FOLLOWING MONDAY.

LOCAL / CITY STREETS

- CITY OF CHARLOTTE SPECIAL EVENTS: THE EVENTS INCLUDED HEREIN ARE ONLY THOSE WHICH WERE AVAILABLE AT TIME OF PLANS DEVELOPMENT THAT WERE ANTICIPATED TO CONFLICT WITH PROPOSED CLOSURES AND DETOURS. COORDINATE WITH CURRENT CITY OF CHARLOTTE EVENTS CALENDAR VIA THE ENGINEER AND JIMMY RHYNE, PE, CHARLOTTE DOT, 704-336-3905, JRHYNE@CHARLOTTENC.GOV. NOTIFY AND UPDATE CITY ON A WEEKLY BASIS AND A MINIMUM OF TWO WEEKS IN ADVANCE OF PROPOSED SIDEWALK/ ROAD CLOSURES AND DETOURS TO ENSURE THERE ARE NO CONFLICTS WITH CITY EVENTS.

GENERAL NOTES /LOCAL NOTES

- EVENT**
 CORPORATE CUP 5K & HALF MARATHON
 CHARLOTTE GOES GREEN FESTIVAL
 CHARLOTTE ST. PATRICK'S DAY PARADE
 CHARLOTTE RACEFEST
 CHARLOTTE JAZZ FESTIVAL
 RODNEY GREAT KIDS TRIATHLON
 OPEN STREETS 704
 TWILIGHT 5K
 SPEED STREET
 TASTE OF CHARLOTTE
 CHARLOTTE KIDNEY WALK
 FAMOUS TOASTERY AMERICAN 4-MILER
 QUEEN CITY FIREFIGHTER FEST
 BTEP 3-ON-3 TOURNAMENT
 CHARLOTTE PRIDE FESTIVAL & PARADE
 EUCHARISTIC CONGRESS PROCESSION
 BREAKIN' CONVENTION
 ROCKTOBERFEST HALF MARATHON AND 5K
 NOVANT CHARLOTTE MARATHON

C) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

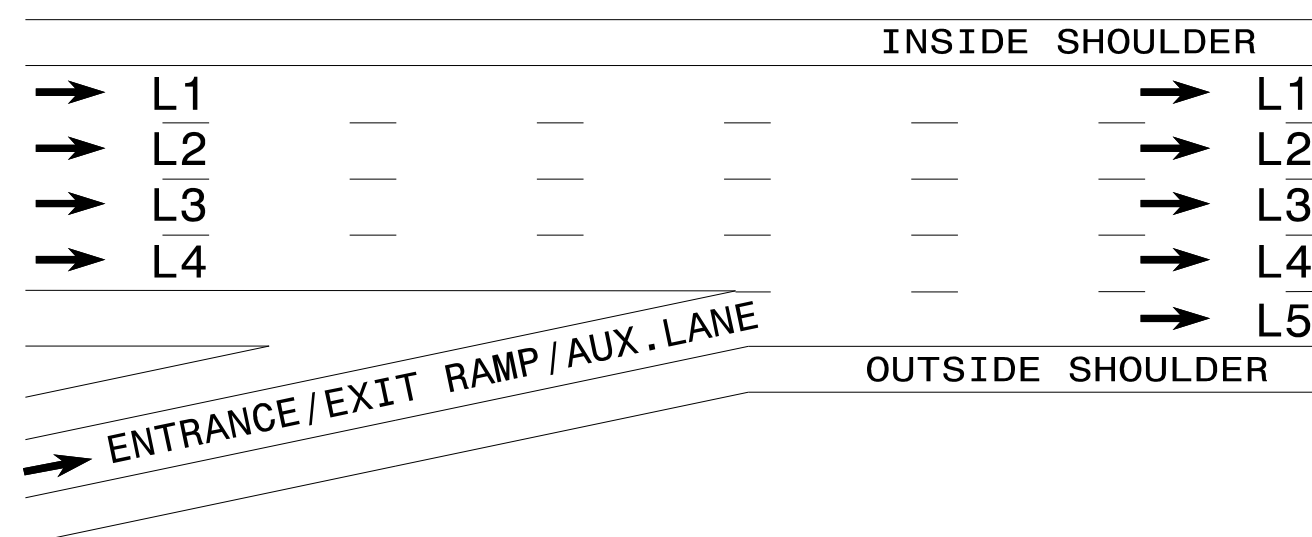
LANE AND SHOULDER CLOSURE REQUIREMENTS

- 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.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- 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.
- 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.
- DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- DO NOT INSTALL MORE THAN 2400 FT OF LANE CLOSURE ON I-277 MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE IN A SINGLE OPERATION.
- DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON I-277.

PAVEMENT EDGE DROP OFF REQUIREMENTS

K) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 500 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TYPICAL NB/SB LANE CONFIGURATION



TRAFFIC PATTERN ALTERATIONS

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

SIGNING

M) 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.

N) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRANSPORTATION MANAGEMENT PLANS.

PROVIDE SIGNING REQUIRED FOR THE OFF- SITE DETOUR ROUTE AS SHOWN IN THE TRANSPORTATION MANAGEMENT PLANS.

O) 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.

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

TRAFFIC BARRIER

Q) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT 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 TRANSPORTATION MANAGEMENT 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 TRANSPORTATION MANAGEMENT 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 DOWNSTREAM SIDE OF TRAFFIC.

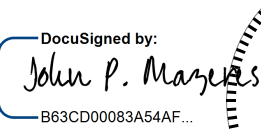
INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

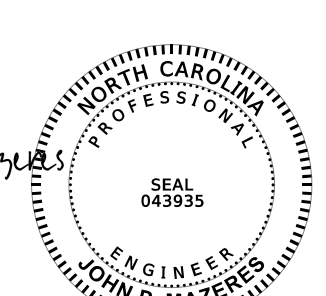
R) PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

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: (SEE ALSO 1101.05)


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

PROJ. REFERENCE NO.	SHEET NO.
I-5746A/I-5746B	TMP-9
 Kisinger Campo & Associates Corp. 4800 Six Forks Rd., Suite 120 Raleigh, NC 27609 John P. Mazeres, PE No. 043935	

DocuSigned by:

 5/4/2017



 ENGINEER
 JOHN P. MAZERES

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

GENERAL NOTES (1 OF 2)

GENERAL NOTES /LOCAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
I-5746A/I-5746B	TMP-9A
 KCA KISINGER CAMPO & ASSOCIATES <small>Kisinger Campo & Associates Corp. 4800 Six Forks Rd., Suite 120 Raleigh, NC 27609 John P. Mazeres, PE No. 043935</small>	

TRAFFIC CONTROL DEVICES

- S) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- T) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- U) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.


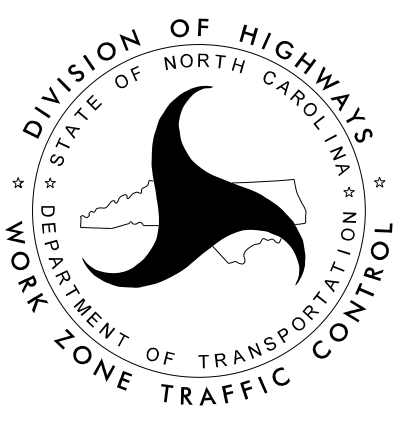
PAVEMENT MARKINGS AND MARKERS

- V) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- W) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

MISCELLANEOUS

- X) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- Y) 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.).
- Z) IF PEDESTRIAN FACILITIES ARE PRESENT ON A STREET WITH PROPOSED SIDEWALK CLOSURE(S), A MINIMUM OF ONE TEMPORARY PEDESTRIAN FACILITY MUST BE MAINTAINED DURING THE CLOSURE(S).

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User:jmazeres

 <p>DocuSigned By: John P. Mazeres SEAL 043935 ENGINEER JOHN P. MAZERES</p>	 <p>DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL</p>	<p>GENERAL NOTES (2 of 2)</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		

PHASING NOTES

PROJ. REFERENCE NO. I-5746A/I-5746B	SHEET NO. TMP-10
KCA <small>KISINGER CAMPO & ASSOCIATES</small>	
<small>Kisinger Campo & Associates Corp. 4800 Six Forks Rd., Suite 120 Raleigh, NC 27609 John P. Mazeres, PE No. 043935</small>	

PHASING

USE NCDOT RSD 1101.01 SHEETS 1 THRU 3 OF 3 TO INSTALL WORK ZONE ADVANCE WARNING SIGNS. CONTRACTOR MAY WORK ON MULTIPLE LOCATIONS, SEGMENTS, SECTIONS AND TYPES OF WORK OPERATIONS SIMULTANEOUSLY IF APPROVED BY THE ENGINEER.

SEGMENT A NORTHBOUND

LOCATION : SECTIONS 1A AND 2A

STEP 1: USE TMP-42 FOR OFFSITE DETOUR OF US 74 EB WEST OF BRIDGE #44, TMP-14 FOR RAMP #7A AND TMP-16 FOR RAMP #8 TO CLOSE THE EASTBOUND LANES OF US 74. PLACE DETOUR SIGNING FOR CLOSURES ALONG I-77, US 74, US 29, FREEDOM DR. AND CLARKSON ST. THIS OPERATION WILL CLOSE RAMPS #7A AND #8. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG SEAL ON SHOULDERS AND CONCRETE PAVEMENT PRESERVATION AS REQUIRED IN ROADWAY PLANS ON US 74 EB AND RAMPS #7A AND #8. ROADWAY CONCRETE PRESERVATION OPERATIONS ON RAMP #7A AND #8 MAY BE DONE SEPARATELY UNDER THEIR RESPECTIVE DETOURS AS LONG AS IT DOES OCCUR AT THE SAME TIME AS THE US 74 EB DETOUR. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: REPEAT STEP 1 UNTIL ALL WORK IS COMPLETE.

LOCATION : SECTION 3A AND BRIDGE LOCATION A-1 (BRIDGE # 78)

STEP 1: USE TMP-13 FOR OFFSITE DETOUR RAMP #6, TMP-65 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE LANE L3 OF US 74 EB AND RAMP #6 TO PERFORM WORK ON RAMP #6, LANES L3 AND L4 AND BRIDGE LOCATION A-1 (BRIDGE #78) DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING FOR CLOSURES ALONG FREEDOM DR, CLARKSON ST, SUMMIT AV, MINT. ST AND US 29 (MOREHEAD ST). THIS OPERATION WILL CLOSE RAMP #6. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION AND BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY AND BRIDGE PLANS ON US 74 EB AND RAMP #6 AND BRIDGE LOCATION A-1 (BRIDGE #78). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-15 FOR OFFSITE DETOUR RAMP #7B, TMP-42 FOR OFFSITE DETOUR OF US 74 EB WEST OF BRIDGE #44 AND TMP-66 TO CLOSE LANES L1, L2, L3 OF US 74 EB AND RAMP #7B TO PERFORM WORK ON RAMP #7B AND LANES L1, L2, L3 AND BRIDGE LOCATION A-1 (BRIDGE #78). PLACE DETOUR SIGNING FOR CLOSURES ALONG I-77, US 74, US 29, FREEDOM DR., CLARKSON ST AND REMOUNT RD. THESE OPERATIONS WILL CLOSE RAMPS #7A, #7B AND #8. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION AND BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY AND BRIDGE PLANS ON US 74 EB, RAMP #7B AND BRIDGE LOCATION A-1 (BRIDGE #78). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

STEP 4: USE NCDOT RSD 1101.02 SHEET 1 OF 15 TO INSTALL LANE CLOSURE SIGNS, DEVICES AND A FLAGGING OPERATION TO CLOSE THE NORTHBOUND LANE AND SIDEWALK OF CLARKSON ST DURING ALLOWABLE LANE CLOSURE TIMES. USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE NORTHBOUND SIDEWALK WITHIN THE BRIDGE WORK AREA UNDER LOCATION A-1. CROSS PEDESTRIANS AT SUMMIT AV FROM EAST TO WEST, CROSS PEDESTRIANS BACK AT PALMER ST FROM WEST TO EAST. PERFORM UNDER DECK BRIDGE OPERATIONS AS REQUIRED PER BRIDGE PLANS AT LOCATION A-1 (BRIDGE #78). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 5: REPEAT STEP 4 UNTIL ALL WORK IS COMPLETE.

STEP 6: USE NCDOT RSD 1101.02 SHEET 1 OF 15 TO INSTALL LANE CLOSURE SIGNS, DEVICES AND A FLAGGING OPERATION TO CLOSE THE SOUTHBOUND LANE AND SIDEWALK OF CLARKSON ST DURING ALLOWABLE LANE CLOSURE TIMES. USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE SOUTHBOUND SIDEWALK WITHIN THE BRIDGE WORK AREA UNDER LOCATION A-1. CROSS PEDESTRIANS AT PALMER ST FROM WEST TO EAST, CROSS PEDESTRIANS BACK AT W. SUMMIT AVENUE FROM EAST TO WEST. PERFORM UNDER DECK BRIDGE OPERATIONS AS REQUIRED PER BRIDGE PLANS AT LOCATION A-1 (BRIDGE #78). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 7: REPEAT STEP 6 UNTIL ALL WORK IS COMPLETE.

LOCATION : SECTIONS 4A AND 5A, BRIDGE LOCATIONS A-2 (BRIDGE #505), A-3 (BRIDGE #506) AND A-4 (BRIDGE #118)

STEP 1: USE TMP-13 FOR OFFSITE DETOUR RAMP #6, TMP-18 FOR OFFSITE DETOUR RAMP #11 AND TMP-67 TO CLOSE LANE L4 OF I-277 NB, RAMP 6 AND RAMP #11 TO PERFORM WORK ON LANE L4, RAMP #11, BRIDGE LOCATION A-2 (BRIDGE #505), AND BRIDGE LOCATION A-4 (BRIDGE #118) DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING FOR CLOSURES ALONG US 74, I-277, CLARKSON ST, FREEDOM DR, SUMMIT AV, MINT ST, US 29 (MOREHEAD ST), CARSON BV, RAMP #20 AND SOUTH BLVD. THIS OPERATION WILL CLOSE RAMP #6 AND RAMP #11. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION AND BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY AND BRIDGE PLANS ON I-277 NB, RAMP #11, BRIDGE LOCATION A-2 (BRIDGE #505) AND BRIDGE LOCATION A-4 (BRIDGE #118). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-13 FOR OFFSITE DETOUR RAMP #6, TMP-18 FOR OFFSITE DETOUR RAMP #11, TMP-68 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE LANES L3 AND L4 OF I-277 NB, RAMP #6 AND RAMP #11 TO PERFORM WORK ON LANES L3, L4 AND BRIDGE LOCATION A-2 (BRIDGE #505) DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING FOR CLOSURES ALONG US 74, I-277, CLARKSON ST, FREEDOM DR, SUMMIT AV, MINT ST, US 29 (MOREHEAD ST), CARSON BV, RAMP #20 AND SOUTH BLVD. THIS OPERATION WILL CLOSE RAMP #6 AND RAMP #11. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION AND BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY AND BRIDGE PLANS ON I-277 NB AND BRIDGE LOCATION A-2 (BRIDGE #505). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: USE TMP-15 FOR OFFSITE DETOUR RAMP #7B, TMP-69 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE LANES L1 AND L2 OF I-277 NB AND RAMP #7B TO PERFORM WORK ON LANES L1, L2 AND BRIDGE LOCATION A-2 (BRIDGE #505) DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING FOR CLOSURES ALONG US 74, I-77 AND REMOUNT RD. THIS OPERATION WILL CLOSE RAMP #7B. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION AND BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY AND BRIDGE PLANS ON I-277 NB AND BRIDGE LOCATION A-2 (BRIDGE #505). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 4: USE TMP-70 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L2 AND L3 OF I-277 NB TO PERFORM WORK ON LANES L2, L3 AND BRIDGE LOCATION A-2 (BRIDGE #505) DURING ALLOWABLE LANE CLOSURE TIMES. PERFORM CONCRETE PAVEMENT PRESERVATION AND BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY AND BRIDGE PLANS ON I-277 NB AND BRIDGE LOCATION A-2 (BRIDGE #505). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 5: PERFORM BRIDGE UNDER DECK PRESERVATION OPERATIONS AS REQUIRED BRIDGE PLANS ON BRIDGE LOCATIONS A-2(BRIDGE #505), A-3 (BRIDGE #506) AND A-4(BRIDGE #118) DURING ALLOWABLE LANE CLOSURE TIMES. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 6: REPEAT STEP 1 THRU 5 UNTIL ALL WORK IS COMPLETE.

LOCATION: SECTION 6A, BRIDGE LOCATIONS A-5 (BRIDGE #507), A-6 (BRIDGE #508), A-7 (BRIDGE #509) AND A-8 (BRIDGE #510)

STEP 1: USE TMP-27 FOR OFFSITE DETOUR RAMP #20, TMP-71 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANE L3 AND L4 OF I-277 NB AND RAMP #20 TO PERFORM WORK ON LANES L3 AND L4, RAMPS #13, #15, #17 AND #20, BRIDGE LOCATION A-5 (BRIDGE #507) AND BRIDGE LOCATION A-7 (BRIDGE #509) DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING FOR CLOSURES ALONG I-277, RAMP #11, CARSON BV, CHURCH ST, LEXINGTON AV, CALDWELL ST, US 29 (MOREHEAD ST), COLLEGE ST, TYRON ST, SOUTH BLVD, KENILWORTH AND RAMP 26. THIS OPERATION WILL CLOSE RAMPS #13, #15, #17 AND #20. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM FOG SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION AND BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY AND BRIDGE PLANS ON I-277 NB, RAMPS #13, #15, #17 AND #20, BRIDGE LOCATION A-5 (BRIDGE #507) AND BRIDGE LOCATION A-7 (BRIDGE #509). ROADWAY CONCRETE PRESERVATION OPERATIONS ON RAMPS #13, #15 AND #17 MAY BE DONE SEPARATELY UNDER THEIR RESPECTIVE DETOURS AS LONG AS IT DOES OCCUR AT THE SAME TIME AS THE RAMP #20 DETOUR. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

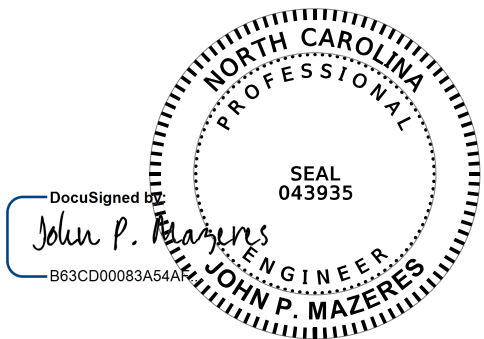
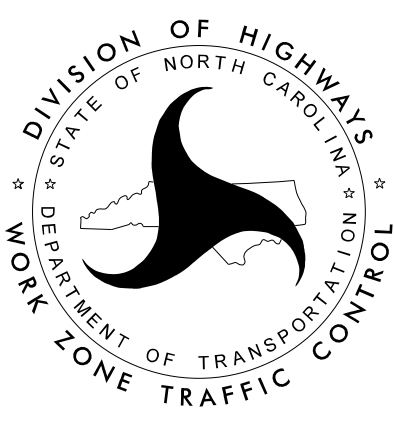
STEP 2: USE TMP-72 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANE L1 AND L2 OF I-277 NB TO PERFORM WORK ON LANES L1 AND L2, BRIDGE LOCATION A-5 (BRIDGE #507) AND BRIDGE LOCATION A-7 (BRIDGE #509) DURING ALLOWABLE LANE CLOSURE TIMES. PERFORM FOG SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION AND BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY AND BRIDGE PLANS ON I-277 NB AND BRIDGE LOCATION A-5 (BRIDGE #507) AND BRIDGE LOCATION A-7 (BRIDGE #509). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: USE TMP-27 FOR OFFSITE DETOUR RAMP #20, TMP-73 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANE L3 AND L4 OF I-277 NB AND RAMP #20 TO PERFORM WORK ON LANES L3 AND L4, BRIDGE LOCATION A-5 (BRIDGE #507) AND BRIDGE LOCATION A-7 (BRIDGE #509) DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING FOR CLOSURES ALONG I-277, RAMP #11, CARSON BV, CHURCH ST, LEXINGTON AV, CALDWELL ST, US 29 (MOREHEAD ST), COLLEGE ST, TYRON ST, SOUTH BLVD, KENILWORTH AND RAMP #26. THIS OPERATION WILL CLOSE RAMPS #13, #15, #17 AND #20. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM CONCRETE PAVEMENT PRESERVATION AND BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY AND BRIDGE PLANS ON I-277 NB, AND BRIDGE LOCATION A-5 (BRIDGE #507) AND BRIDGE LOCATION A-7 (BRIDGE #509). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 4: REPEAT STEP 1 THRU 3 UNTIL ALL WORK IS COMPLETE.

STEP 5: USE NCDOT RSD 1101.02 SHEET 3 OF 15 TO INSTALL LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE OUTSIDE LANE AND SIDEWALK OF EASTBOUND US 29 (MOREHEAD ST) DURING ALLOWABLE LANE CLOSURE TIMES. USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE SOUTHBOUND SIDEWALK WITHIN THE BRIDGE WORK AREA AT BRIDGE LOCATION A-5 (BRIDGE #507) AND BRIDGE LOCATION A-6 (BRIDGE #508). CROSS PEDESTRIANS AT ELDRIDGE ST FROM WEST TO EAST, CROSS PEDESTRIANS BACK AT MINT ST FROM EAST TO WEST. PERFORM UNDER DECK PRESERVATION OPERATIONS AS REQUIRED PER BRIDGE PLANS AT BRIDGE LOCATION A-5 (BRIDGE #507) AND BRIDGE LOCATION A-6 (BRIDGE #508). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

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		<p>PHASING NOTES 1 OF 6</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		

PHASING NOTES

PROJ. REFERENCE NO.	SHEET NO.
I-5746A/I-5746B	TMP-10A
Kisinger Campo & Associates Corp. 4800 Six Forks Rd., Suite 120 Raleigh, NC 27609 John P. Mazer, PE No. 043935	

LOCATION: SECTION 6A, BRIDGE LOCATIONS A-5 (BRIDGE #507), A-6 (BRIDGE #508), A-7 (BRIDGE #509) AND A-8 (BRIDGE #510)-CONTINUED FROM PAGE 1 OF 6

STEP 6: USE TMP-47 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO INSTALL LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE INSIDE AND ASSOCIATED TURN LANES OF EASTBOUND US 29 (MOREHEAD ST) DURING ALLOWABLE LANE CLOSURE TIMES. PERFORM UNDER DECK PRESERVATION OPERATIONS AS REQUIRED PER BRIDGE PLANS AT BRIDGE LOCATION A-5 (BRIDGE #507) AND BRIDGE LOCATION A-6 (BRIDGE #508). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 7: USE TMP-48 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO INSTALL LANE CLOSURE SIGNS, AND DEVICES TO CLOSE THE WESTBOUND OUTSIDE LANE AND SIDEWALK OF US 29 (MOREHEAD ST) DURING ALLOWABLE LANE CLOSURE TIMES. USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE NORTHBOUND SIDEWALK WITHIN THE BRIDGE WORK AREA AT BRIDGE LOCATION A-5 (BRIDGE #507) AND BRIDGE LOCATION A-6 (BRIDGE #508). CROSS PEDESTRIANS AT CHURCH ST FROM EAST TO WEST, CROSS PEDESTRIANS BACK AT ELDRIDGE ST FROM WEST TO EAST. PERFORM UNDER DECK PRESERVATION OPERATIONS AS REQUIRED PER BRIDGE PLANS AT BRIDGE LOCATION A-5 (BRIDGE #507) AND BRIDGE LOCATION A-6 (BRIDGE #508). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 8: USE TMP-49 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO INSTALL LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE WESTBOUND INSIDE LANE OF US 29 (MOREHEAD ST) DURING ALLOWABLE LANE CLOSURE TIMES. PERFORM UNDER DECK PRESERVATION OPERATIONS AS REQUIRED PER BRIDGE PLANS AT BRIDGE LOCATION A-5 (BRIDGE #507) AND BRIDGE LOCATION A-6 (BRIDGE #508). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 9: REPEAT STEP 5 THRU 8 UNTIL ALL WORK IS COMPLETE.

STEP 10: USE TMP-51 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO INSTALL LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE NORTHBOUND OUTSIDE LANE AND SIDEWALK OF MINT ST AND THE ASSOCIATED BICYCLE LANE AT CARSON BV DURING ALLOWABLE LANE CLOSURE TIMES. USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE NORTHBOUND SIDEWALK AT THE BRIDGE WORK AREA AT BRIDGE LOCATION A-7 (BRIDGE #509) AND BRIDGE LOCATION A-8 (BRIDGE #510). CROSS PEDESTRIANS AT CARSON BV FROM EAST TO WEST, CROSS PEDESTRIANS BACK AT GRAHAM ST FROM WEST TO EAST. PERFORM UNDER DECK BRIDGE WORK AS REQUIRED PER BRIDGE PLANS AT BRIDGE LOCATION A-7 (BRIDGE #509) AND BRIDGE LOCATION A-8 (BRIDGE #510). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 11: USE TMP-50 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO INSTALL LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE NORTHBOUND INSIDE LANE AND ASSOCIATED TURN LANES OF MINT ST DURING ALLOWABLE LANE CLOSURE TIMES. PERFORM UNDER DECK BRIDGE WORK AS REQUIRED PER BRIDGE PLANS AT BRIDGE LOCATION A-7 (BRIDGE #509) AND BRIDGE LOCATION A-8 (BRIDGE #510). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 12: USE NCDOT RSD 1101.02 SHEET 3 OF 15 TO INSTALL LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE SOUTHBOUND OUTSIDE LANE AND SIDEWALK OF MINT ST DURING ALLOWABLE LANE CLOSURE TIMES. USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE SOUTHBOUND SIDEWALK AT THE BRIDGE WORK AREA AT BRIDGE LOCATION A-7 (BRIDGE #509) AND BRIDGE LOCATION A-8 (BRIDGE #510). CROSS PEDESTRIANS AT GRAHAM ST FROM WEST TO EAST, CROSS PEDESTRIANS BACK AT MINT ST FROM EAST TO WEST. PERFORM UNDER DECK BRIDGE WORK AS REQUIRED PER BRIDGE PLANS AT BRIDGE LOCATION A-7 (BRIDGE #509) AND BRIDGE LOCATION A-8 (BRIDGE #510). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 13: USE TMP-52 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO INSTALL LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE SOUTHBOUND INSIDE AND ASSOCIATED TURN LANES OF MINT ST DURING ALLOWABLE LANE CLOSURE TIMES. PERFORM UNDER DECK BRIDGE WORK AS REQUIRED PER BRIDGE PLANS AT BRIDGE LOCATION A-7 (BRIDGE #509) AND BRIDGE LOCATION A-8 (BRIDGE #510). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 14: REPEAT STEP 10 THRU 13 UNTIL ALL WORK IS COMPLETE.

LOCATION : SECTION 7A

STEP 1: USE TMP-74 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE LANE L1 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L1 AND L2. PERFORM FOG SEAL ON SHOULDERS AND CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 NB. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-75 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE LANE L3 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L3. PERFORM FOG SEAL ON SHOULDERS AND CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 NB. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: USE TMP-76 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L2 AND L3 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANE L2. PERFORM CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 NB. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 4: REPEAT STEPS 1 THRU 3 UNTIL ALL WORK IS COMPLETE.

LOCATION : SECTIONS 8A, 9A, BRIDGE LOCATIONS A-9 (BRIDGE #487), A-10 (BRIDGE #488), A-11 (BRIDGE #478), A-12 (BRIDGE #479) AND A-13 (BRIDGE #522)

STEP 1: USE TMP-77 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L1 AND L2 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L1 AND L2, BRIDGE LOCATION A-9 (BRIDGE #487) AND BRIDGE LOCATION A-11 (BRIDGE #478). PERFORM FOG SEAL ON SHOULDERS, CONCRETE PAVEMENT AND BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY AND BRIDGE PLANS ON I-277 NB AND AT BRIDGE LOCATION A-9 (BRIDGE #487) AND BRIDGE LOCATION A-11 (BRIDGE #478). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-26 AND TMP-27 FOR OFFSITE DETOURS RAMP #19 AND #20, TMP-78 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L2,L3, L4 AND L5 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L2 AND L3, RAMP #19 AND RAMP #20. PLACE DETOUR SIGNING FOR CLOSURES ALONG I-277, RAMP #11, CARSON BV, CHURCH ST, TRYON ST, CALDWELL ST, US 29 (MOREHEAD ST), COLLEGE ST, SOUTH BLVD, KENILWORTH AND RAMP #26. THIS OPERATION WILL CLOSE RAMPS #13, #15, #17, #19 AND #20. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 NB. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: USE TMP-26 AND TMP-27 FOR OFFSITE DETOURS RAMP #19 AND #20, AND TMP-79 TO CLOSE LANES L2, L3 AND L4 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L2, L3, L4 AND L5. PLACE DETOUR SIGNING FOR CLOSURES ALONG I-277, RAMP #11, CARSON BV, CHURCH ST, TRYON ST, CALDWELL ST, US 29 (MOREHEAD ST), COLLEGE ST, SOUTH BV, KENILWORTH AND RAMP #26. THIS OPERATION WILL CLOSE RAMPS #13, #15, #17, #19 AND #20. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM CONCRETE PAVEMENT AND BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN AND BRIDGE PLANS ON I-277 NB AND AT BRIDGE LOCATION A-9 (BRIDGE #487) AND BRIDGE LOCATION A-11 (BRIDGE #478). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 4: USE TMP-33 AND TMP-35 FOR OFFSITE DETOUR RAMP #25 RTE. 2 AND #27, TMP-80 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L3, L4 AND L5 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L4 AND L5. PLACE DETOUR SIGNING FOR CLOSURES ALONG I-277, RAMPS #20,#25, #27, SOUTH BV, CARSON BV, CALDWELL ST, US 29 (MOREHEAD ST), NC 27 (MCDOWELL ST), STONEWALL ST AND KENILWORTH AV. THIS OPERATION WILL CLOSE RAMPS #25 AND #27. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG SEAL ON SHOULDERS, CONCRETE PAVEMENT AND BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY AND BRIDGE PLANS ON I-277 NB, RAMPS #25, #27 AND AT BRIDGE LOCATION A-9 (BRIDGE #487), BRIDGE LOCATION A-11 (BRIDGE #478) AND BRIDGE LOCATION A-13 (BRIDGE #522). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 5: REPEAT STEPS 1 THRU 4 UNTIL ALL WORK IS COMPLETE.

STEP 6: USE NCDOT RSD 1101.02 SHEET 3 OF 15 TO INSTALL LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE OUTSIDE NORTHBOUND LANE AND SIDEWALK OF NC 27 (MCDOWELL ST) DURING ALLOWABLE LANE CLOSURE TIMES. USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE NORTHBOUND SIDEWALK AT THE BRIDGEWORK AREA AT BRIDGE LOCATION A-9 (BRIDGE #487) AND LOCATION A-10 (BRIDGE #488). CROSS PEDESTRIANS AT BAXTER ST FROM EAST TO WEST, CROSS PEDESTRIANS BACK AT STONEWALL ST FROM WEST TO EAST. PERFORM UNDER DECK BRIDGE WORK AS REQUIRED PER BRIDGE PLANS AT BRIDGE LOCATION A-9 (BRIDGE #487) AND LOCATION A-10 (BRIDGE #488). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 7: USE NCDOT RSD 1101.02 SHEET 3 OF 15 TO INSTALL LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE NORTHBOUND INSIDE LANE OF NC 27 (MCDOWELL ST) DURING ALLOWABLE LANE CLOSURE TIMES. PERFORM UNDER DECK BRIDGE WORK AS REQUIRED PER BRIDGE PLANS AT BRIDGE LOCATION A-9 (BRIDGE #487) AND LOCATION A-10 (BRIDGE #488). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 8: USE NCDOT RSD 1101.02 SHEET 3 OF 15 TO INSTALL LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE SOUTHBOUND OUTSIDE LANE AND SIDEWALK OF NC 27 (MCDOWELL ST) DURING ALLOWABLE LANE CLOSURE TIMES. USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE SOUTHBOUND SIDEWALK AT THE BRIDGE WORK AREA AT BRIDGE LOCATION A-9 (BRIDGE #487) AND LOCATION A-10 (BRIDGE #488). CROSS PEDESTRIANS AT STONEWALL ST FROM WEST TO EAST, CROSS PEDESTRIANS BACK AT BAXTER ST FROM EAST TO WEST. PERFORM UNDER DECK BRIDGE WORK AS REQUIRED PER BRIDGE PLANS AT BRIDGE LOCATION A-9 (BRIDGE #487) AND LOCATION A-10 (BRIDGE #488). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 9: USE NCDOT RSD 1101.02 SHEET 3 OF 15 TO INSTALL LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE SOUTHBOUND INSIDE LANE OF NC 27 (MCDOWELL ST) DURING ALLOWABLE LANE CLOSURE TIMES. PERFORM UNDER DECK BRIDGE WORK AS REQUIRED PER BRIDGE PLANS AT BRIDGE LOCATION A-9 (BRIDGE #487) AND LOCATION A-10 (BRIDGE #488). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 10: REPEAT STEPS 6 THRU 9 UNTIL ALL WORK IS COMPLETE.

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PROJ. REFERENCE NO.	SHEET NO.
I-5746A/I-5746B	TMP-10B
Kisinger Campo & Associates Corp. 4800 Six Forks Rd. Suite 120 Raleigh, NC 27609 John P. Mazeres, PE No. 043935	

LOCATION : SECTIONS 8A, 9A, BRIDGE LOCATIONS A-9 (BRIDGE #487) , A-10 (BRIDGE #488), A-11 (BRIDGE #478), A-12 (BRIDGE #479) AND A-13 (BRIDGE #522)-CONTINUED FROM PAGE 2 OF 6

STEP 11: USE TMP-28 AND TMP-34 FOR OFFSITE DETOURS RAMP #21 AND #26, TMP-53 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE NORTHBOUND OUTSIDE LANE AND SIDEWALK, ASSOCIATED BIKE LANE ON KENILWORTH AV AND STONEWALL ST TO PERFORM UNDER DECK BRIDGE WORK AT BRIDGE LOCATION A-11 (BRIDGE #478), BRIDGE LOCATION A-12 (BRIDGE #479) AND BRIDGE LOCATION A-13(BRIDGE #522) DURING ALLOWABLE LANE CLOSURE TIMES. USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE NORTHBOUND SIDEWALK AT THE BRIDGE WORK AREA AT BRIDGE LOCATION A-11 (BRIDGE #478), BRIDGE LOCATION A-12(BRIDGE #479) AND BRIDGE LOCATION A-13(BRIDGE#522). CROSS PEDESTRIANS AT CHARLOTTETOWNE AV FROM EAST TO WEST, CROSS PEDESTRIANS BACK AT STONEWALL ST FROM WEST TO EAST. PLACE DETOUR SIGNING FOR CLOSURES ALONG RAMP #21, RAMP #26, SCOTT AV, KENILWORTH AV, STONEWALL ST, CALDWELL ST, RAMP #14, NC 27 (MCDOWELL ST), E. 3rd ST. (NC 16), AND RAMP #24. THIS OPERATION WILL CLOSE RAMPS #21 AND #26. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION A-11 (BRIDGE #478), BRIDGE LOCATION A-12 (BRIDGE #479) AND BRIDGE LOCATION A-13 (BRIDGE #522). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 12: USE TMP-54 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO INSTALL LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE NORTHBOUND INSIDE LANE OF STONEWALL ST / KENILWORTH AV TO PERFORM UNDER DECK BRIDGE WORK AT BRIDGE LOCATION A-11 (BRIDGE #478), BRIDGE LOCATION A-12 (BRIDGE #479) AND BRIDGE LOCATION A-13 (BRIDGE #522) DURING ALLOWABLE LANE CLOSURE TIMES. PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION A-11 (BRIDGE #478), BRIDGE LOCATION A-12 (BRIDGE #479) AND BRIDGE LOCATION A-13 (BRIDGE #522). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 13: USE TMP-55 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO INSTALL LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE SOUTHBOUND OUTSIDE LANE AND ASSOCIATED BIKE LANE OF STONEWALL ST / KENILWORTH AV TO PERFORM UNDER DECK BRIDGE WORK AT BRIDGE LOCATION A-11 (BRIDGE #478), BRIDGE LOCATION A-12 (BRIDGE #479) AND BRIDGE LOCATION A-13 (BRIDGE #522) DURING ALLOWABLE LANE CLOSURE TIMES. USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE SOUTHBOUND SIDEWALK AT THE BRIDGE WORK AREA AT BRIDGE LOCATION A-11 (BRIDGE #478), BRIDGE LOCATION A-12 (BRIDGE #479) AND BRIDGE LOCATION A-13 (BRIDGE #522). CROSS PEDESTRIANS AT NC 27 (MCDOWELL ST) FROM WEST TO EAST, CROSS PEDESTRIANS BACK AT CHARLOTTETOWNE AV FROM EAST TO WEST. PERFORM BRIDGE DECK UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION A-11 (BRIDGE #478), BRIDGE LOCATION A-12 (BRIDGE #479) AND BRIDGE LOCATION A-13 (BRIDGE #522). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 14: USE TMP-56 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO INSTALL LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE SOUTHBOUND INSIDE LANE AND ASSOCIATED TURN LANE OF STONEWALL ST / KENILWORTH AVE TO PERFORM UNDER DECK BRIDGE WORK AT BRIDGE LOCATION A-11 (BRIDGE #478), BRIDGE LOCATION A-12 (BRIDGE #479) AND BRIDGE LOCATION A-13 (BRIDGE #522) DURING ALLOWABLE LANE CLOSURE TIMES. PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION A-11 (BRIDGE #478), BRIDGE LOCATION A-12 (BRIDGE #479) AND BRIDGE LOCATION A-13 (BRIDGE #522). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 15: REPEAT STEPS 11 THRU 14 UNTIL ALL WORK IS COMPLETE.

LOCATION : SECTIONS 10A AND 11A

STEP 1: USE TMP-81 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L1 AND L2 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L1 AND L2. PERFORM FOG SEAL ON SHOULDERS AND CONCRETE PAVEMENT RESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 NB. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-33, TMP-34 AND TMP-35 FOR OFFSITE DETOURS RAMP #25 RTE. 2, #26 , #27 TMP-82 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L2 AND L3 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L2, L3 AND RAMP #26. PLACE DETOUR SIGNING FOR CLOSURES ON I-277, RAMP #20, SOUTH BV, CARSON BV, CALDWELL ST, LEXINGTON AV, US 29 (MOREHEAD ST), STONEWALL ST, NC 27 (MCDOWELL ST), E 3rd ST (NC 16) , KENILWORTH AV, SCOTTS AV, RAMPS #17, #20, #25, #26 AND RAMP #27. THIS OPERATION WILL CLOSE RAMPS #25, #26 AND #27. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY ON I-277 NB AND RAMP #26. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

SEGMENT A SOUTHBOUND

LOCATION : SECTIONS 12A AND 13A, BRIDGE LOCATION A-12 (BRIDGE #479)

STEP 1: USE TMP-28 AND TMP-35 FOR OFFSITE DETOURS RAMPS #21 AND #22 AND TMP-83 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L2 AND L3 OF I-277 SB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L2, L3, RAMPS #21, #22 AND BRIDGE LOCATION A-12 (BRIDGE #479). PLACE DETOUR SIGNING FOR CLOSURES ON RAMP #14, RAMP #20, #21,#22, CALDWELL ST, STONEWALL ST, E 3rd ST (NC 16) , E 4th ST (NC 16), KENILWORTH AV, COLVILLE RD, KINGS DR, CHARLOTTETOWNE AV AND NC 27 (MCDOWELL ST). THIS OPERATION WILL CLOSE RAMPS #21, AND #22. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB, RAMPS #21, #22 AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION A-12 (BRIDGE #479). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-84 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L1 AND L2 OF I-277 SB TO PERFORM WORK ON LANES L1, L2 AND BRIDGE LOCATION A-12 (BRIDGE #479). PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION A-12 (BRIDGE #479). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

LOCATION : SECTION 14A AND BRIDGE LOCATION A-10 (BRIDGE #488)

STEP 1: USE TMP-85 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L1 AND L2 OF I-277 SB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L1, L2 AND BRIDGE LOCATION A-10 (BRIDGE #488). PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION A-12 (BRIDGE #479). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-23, TMP-25 AND TMP-28 FOR OFFSITE DETOURS RAMPS #16, #18, #21 AND TMP-86 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L2 AND L3 OF I-277 SB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L2, L3, RAMPS #16, #18 AND BRIDGE LOCATION A-10 (BRIDGE #488). PLACE DETOUR SIGNING FOR CLOSURES ON I-277, RAMPS #14, #16, #18 , #21, CALDWELL ST, STONEWALL ST, E 4THST (NC 16), KENILWORTH AV AND NC 27 (MCDOWELL ST). THIS OPERATION WILL CLOSE RAMPS #16, #18 AND #21. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB, RAMPS #16, #18 AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION A-10 (BRIDGE #488). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

LOCATION : SECTION 15A

STEP 1: USE TMP-74 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE LANE L1 OF I-277 SB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L1 AND L2. PERFORM FOG SEAL ON SHOULDERS AND CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-75 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE LANE L3 OF I-277 SB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L3. PERFORM FOG SEAL ON SHOULDERS AND CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: USE TMP-76 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L2 AND L3 OF I-277 SB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANE L2. PERFORM CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

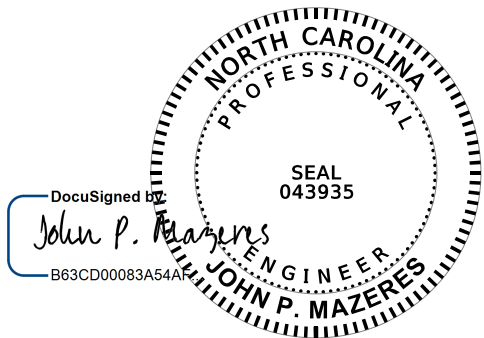
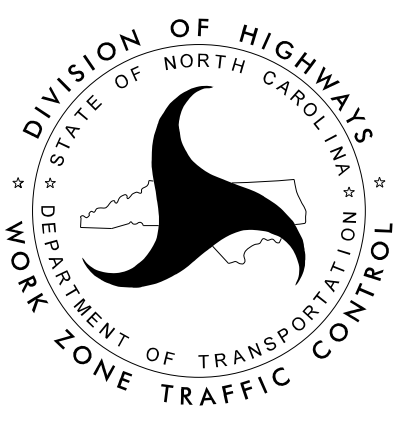
STEP 4: REPEAT STEPS 1 THRU 3 UNTIL ALL WORK IS COMPLETE.

LOCATION : SECTIONS 16A AND 17A, BRIDGE LOCATIONS A-8 (BRIDGE #510), A-6 (BRIDGE #508), A-2 (BRIDGE #506)


STEP 1: USE TMP-87 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L1 AND L2 OF I-277 SB TO PERFORM WORK ON LANES L3, L4 AND BRIDGE LOCATIONS A-8 (BRIDGE #510), BRIDGE LOCATION A-6 (BRIDGE #508) AND BRIDGE LOCATION A-2 (BRIDGE #506) DURING ALLOWABLE LANE CLOSURE TIMES. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATIONS A-8 (BRIDGE #510), BRIDGE LOCATION A-6 (BRIDGE #508) AND BRIDGE LOCATION A-2 (BRIDGE #506). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-19 AND TMP-21 FOR OFFSITE DETOURS RAMPS #12 AND #14, TMP-88 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L2, AND L3 OF I-277 SB TO PERFORM WORK ON LANES L2, L3, L4, RAMPS #12, #14 AND BRIDGE LOCATIONS A-8 (BRIDGE #510), BRIDGE LOCATION A-6 (BRIDGE #508) DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING FOR CLOSURES ON RAMPS #12, #14, #22 , CALDWELL ST, SOUTH BV, STONEWALL ST, E 3rd ST (NC 16) , TRYON ST, CHURCH ST, E 4th ST (NC 16), AND NC 27 (MCDOWELL ST). THIS OPERATION WILL CLOSE RAMPS #12 AND #14. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB, RAMPS #12, #14 AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATIONS A-8 (BRIDGE #510), BRIDGE LOCATION A-6 (BRIDGE #508). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

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		<p>PHASING NOTES 3 OF 6</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		

PHASING NOTES

PROJ. REFERENCE NO.	SHEET NO.
I-5746A/I-5746B	TMP-10C
 KCA KISINGER CAMPO & ASSOCIATES Kisinger Campo & Associates Corp. 4800 Six Forks Rd., Suite 120 Raleigh, NC 27609 John P. Mazeres, PE No. 043935	

CONTINUE FROM PHASING NOTES 3 OF 6

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

LOCATION : SECTION 18A

STEP 1: USE TMP-89, TMP-90, NCDOT RSD 1101.02 SHEET 8 OF 15 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE LANES L1 AND L2 OF I-277 SB AND ONE LANE ON RAMP #14 DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L1 AND L2. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: REPEAT STEP 1 UNTIL ALL WORK IS COMPLETE.

STEP 3: USE TMP-91, TMP-92, NCDOT RSD 1101.02 SHEET 8 OF 15, NCDOT RSD 1101.02 SHEET 3 OF 15 AND TMP-19 FOR OFFSITE DETOUR RAMP #12 TO CLOSE LANES L2 AND L3 OF I-277 SB AND ONE LANE ON RAMP #14 DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L2 AND L3. PLACE DETOUR SIGNING FOR CLOSURES ON RAMPS #12, #14, #22, NC 27 (MCDOWELL ST), CALDWELL ST, STONEWALL ST, TYRON ST, E 3RD ST (NC 16) AND CHURCH ST. THIS OPERATION WILL CLOSE RAMP #12. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 4: REPEAT STEP 3 UNTIL ALL WORK IS COMPLETE.

STEP 5: USE TMP-93, TMP-94, NCDOT RSD 1101.02 SHEET 8 OF 15, NCDOT RSD 1101.02 SHEET 3 OF 15 AND TMP-12 FOR OFFSITE DETOUR RAMP #5 TO CLOSE LANES L1 AND L2 OF I-277 SB, ONE LANE ON RAMP #14 AND RAMP #5 DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L1 AND L2. PLACE DETOUR SIGNING FOR CLOSURES ON I-277, US 74 AND US 29 (MOREHEAD ST). THIS OPERATION WILL CLOSE RAMP #5. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 6: REPEAT STEP 5 UNTIL ALL WORK IS COMPLETE.

LOCATION : BRIDGE LOCATION A-1 (BRIDGE # 78)

STEP 1: USE TMP-97, NCDOT RSD 1101.02 SHEET 8 OF 15 AND TMP-12 FOR OFFSITE DETOUR RAMP #5 TO CLOSE LANES L1 AND L2 OF I-277 SB AND RAMP #5 DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L2 AND L3 ON BRIDGE LOCATION A-1 (BRIDGE #78). PLACE DETOUR SIGNING FOR CLOSURES ON I-277, US 74 AND US 29 (MOREHEAD ST). THIS OPERATION WILL CLOSE RAMP #5. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION A-1 (BRIDGE #78). PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON RAMP #5. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-98 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L2 AND L3 OF I-277 SB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L2 AND L3 ON BRIDGE LOCATION A-1 (BRIDGE #78). PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATIONS A-1 (BRIDGE #78). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

LOCATION : SECTION 19A

STEP 1: USE TMP-95, NCDOT RSD 1101.02 SHEET 3 OF 15, TMP-11, TMP-17 FOR OFFSITE DETOURS RAMP #3, #4 AND #10 TO CLOSE LANES L2 AND L3 OF I-277 SB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L2, L3, RAMPS 4 AND 10. PLACE DETOUR SIGNING FOR CLOSURES ON RAMPS #3, #4, #10, I-277, US 74, US 29, FREEDOM DR AND REMOUNT RD. THIS OPERATION WILL CLOSE RAMPS #3, #4 AND #10. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON US 74 WB. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: REPEAT STEP 1 UNTIL ALL WORK IS COMPLETE.

STEP 3: USE TMP-96, NCDOT RSD 1101.02 SHEET 3 OF 15, TMP-43 FOR OFFSITE DETOUR OF US 74 WB TO CLOSE LANES L1 AND L2 OF US 74 WB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L1 AND L2. PLACE DETOUR SIGNING FOR CLOSURES ON RAMP #4 AND US 74. THIS OPERATION WILL CLOSE US 74 WB. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON US 74 WB. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 4: REPEAT STEP 2 UNTIL ALL WORK IS COMPLETE.

LOCATION : SECTION 1A

STEP 1: USE NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE LANES L1 ON US 74 WB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANE L1. PERFORM ASPHALT MILLING AND RESURFACING OPERATIONS AS REQUIRED IN ROADWAY PLANS ON US 74 WB. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE LANES L2 ON US 74 WB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANE L2. PERFORM ASPHALT MILLING AND RESURFACING OPERATIONS AS REQUIRED IN ROADWAY PLANS ON US 74 WB. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

SEGMENT B NORTHBOUND

LOCATION : SECTIONS 1B, 2B, BRIDGE LOCATIONS B-1 (BRIDGE #448), B-2 (BRIDGE #449) AND B-3 (BRIDGE #450)

STEP 1: USE TMP-31 FOR OFFSITE DETOUR RAMP #24 AND TMP-99 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L2 AND L3 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L2, L3, RAMP 24 AND BRIDGE LOCATION B-1 (BRIDGE #448), BRIDGE LOCATION B-2 (BRIDGE #449) AND BRIDGE LOCATION B-3 (BRIDGE #450). PLACE DETOUR SIGNING FOR CLOSURES ON RAMPS #24, #26, E 3rd ST (NC 16), E 4th ST (NC 16), KENILWORTH AV, PROVIDENCE RD, CHARLOTTETOWNE AV, AND KINGS DR. THIS OPERATION WILL CLOSE RAMP #24. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 NB, RAMP #24 AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-1 (BRIDGE #448), BRIDGE LOCATION B-2 (BRIDGE #449) AND BRIDGE LOCATION B-3 (BRIDGE #450). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: REPEAT STEP 1 UNTIL ALL WORK IS COMPLETE.

STEP 3: USE TMP-100 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L1 AND L2 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L1, L2 AND BRIDGE LOCATION B-1 (BRIDGE #448), BRIDGE LOCATION B-2 (BRIDGE #449) AND BRIDGE LOCATION B-3 (BRIDGE #450). PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 NB AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-1 (BRIDGE #448), BRIDGE LOCATION B-2 (BRIDGE #449) AND BRIDGE LOCATION B-3 (BRIDGE #450). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 4: REPEAT STEP 3 UNTIL ALL WORK IS COMPLETE.

STEP 5: USE TMP-29 FOR OFFSITE DETOUR RAMP #22, TMP-57 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE THE EASTBOUND INSIDE LANES AND SIDEWALK ON E 3RD ST (NC 16) TO PERFORM BRIDGE UNDER DECK OPERATIONS AT BRIDGE LOCATION B-1 (BRIDGE #448) DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING FOR CLOSURES ON RAMP #22, PROVIDENCE RD, E 3RD ST (NC 16), E 4TH ST (NC 16), CHARLOTTETOWN AV, KINGS DR, STONEWALL ST, CALDWELL ST, AND KENILWORTH DR. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE NORTH SIDEWALK AT THE BRIDGE WORK AREA FOR BRIDGE LOCATION B-1 (BRIDGE #448). CROSS PEDESTRIANS AT MCDOWELL ST (NC 27) FROM NORTH TO SOUTH, CROSS PEDESTRIANS BACK AT RAMP #25 FROM SOUTH TO NORTH. PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-1 (BRIDGE #448). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 6: REPEAT STEP 5 UNTIL ALL WORK IS COMPLETE.

STEP 7: USE TMP-29 FOR OFFSITE DETOUR RAMP #22, TMP-58 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE THE EASTBOUND OUTSIDE LANES AND SIDEWALK ON E 3RD ST (NC 16) DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM BRIDGE UNDER DECK OPERATIONS AT BRIDGE LOCATION B-1 (BRIDGE #448). PLACE DETOUR SIGNING FOR CLOSURES ON RAMP #22, PROVIDENCE RD, E 3 ST (NC 16), E 4TH ST (NC 16), CHARLOTTETOWN AV, KINGS DR, STONEWALL ST, CALDWELL ST, AND KENILWORTH DR. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE SOUTH SIDEWALK AT THE BRIDGE WORK AREA AT BRIDGE LOCATION B-1 (BRIDGE #448). CROSS PEDESTRIANS AT RAMP #25 FROM SOUTH TO NORTH, CROSS PEDESTRIANS BACK AT MCDOWELL ST (NC 27) FROM NORTH TO SOUTH. PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-1 (BRIDGE #448). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 8: REPEAT STEP 7 UNTIL ALL WORK IS COMPLETE.

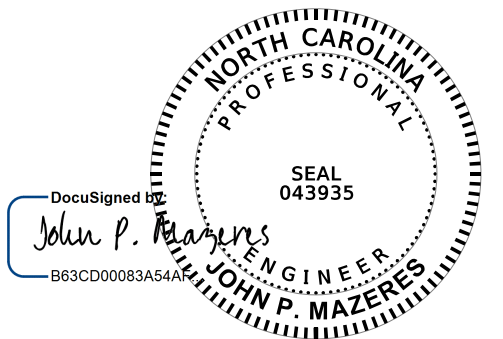
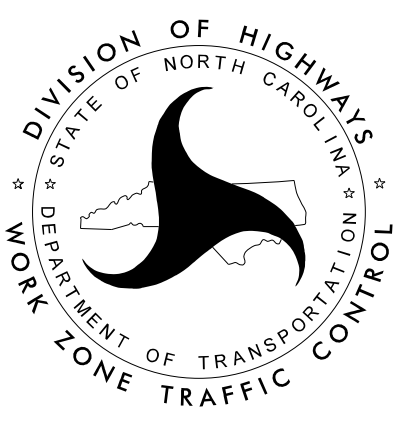
STEP 9: USE TMP-29 FOR OFFSITE DETOUR RAMP #22, TMP-59, NCDOT RSD 1101.02 SHEET 3 OF 15 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE THE WESTBOUND INSIDE LANES AND SIDEWALK ON E 4th ST (NC 16) DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM BRIDGE UNDER DECK OPERATIONS AT BRIDGE LOCATION B-2 (BRIDGE #449). PLACE DETOUR SIGNING FOR CLOSURES ON RAMP #22, PROVIDENCE RD, E 3rd ST (NC 16), E 4th ST (NC 16), CHARLOTTETOWN AV, KINGS DR, STONEWALL ST, CALDWELL ST, AND KENILWORTH DR. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. DURING ALLOWABLE LANE CLOSURE TIMES. USR CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2, TO CLOSE THE SOUTH SIDEWALK AT THE BRIDGE WORK AREA AT BRIDGE LOCATION B-2 (BRIDGE #449). CROSS PEDESTRIANS AT RAMP #24 FROM SOUTH TO NORTH, CROSS PEDESTRIANS BACK AT RAMP #23 FROM NORTH TO SOUTH. PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-2 (BRIDGE #449). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 10: REPEAT STEP 9 UNTIL ALL WORK IS COMPLETE.

STEP 11: USE TMP-60 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE THE WESTBOUND OUTSIDE LANES AND SIDEWALK ON E 4th ST (NC 16) DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM BRIDGE UNDER DECK OPERATIONS AT BRIDGE LOCATION B-2 (BRIDGE #449). USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2, CLOSE THE NORTH SIDEWALK AT THE BRIDGE WORK AREA AT BRIDGE LOCATION B-2 (BRIDGE #449). CROSS PEDESTRIANS AT RAMP #24 FROM NORTH TO SOUTH, CROSS PEDESTRIANS BACK AT RAMP #23 FROM SOUTH TO NORTH. PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-2 (BRIDGE #449). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 12: REPEAT STEP 11 UNTIL ALL WORK IS COMPLETE.

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 <p>DocuSigned by: John P. Mazeres 863C000834544</p>		<p>PHASING NOTES 4 OF 6</p>
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Kisinger Campo & Associates Corp. 4800 Six Forks Rd., Suite 120 Raleigh, NC 27609 John P. Mazeres, PE No. 043935	

CONTINUED FROM PHASING NOTES 4 OF 6.

STEP 13: USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE NORTH SIDEWALK AT THE BRIDGE WORK AREA BRIDGE LOCATION B-3 (BRIDGE #450) DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM BRIDGE UNDER DECK OPERATIONS AT BRIDGE LOCATION B-3 (BRIDGE #450). CROSS PEDESTRIANS AT KINGS DR FROM NORTH TO SOUTH, CROSS PEDESTRIANS BACK AT MCDOWELL ST (NC 27) FROM SOUTH TO NORTH. PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-3 (BRIDGE #450). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 14: REPEAT STEP 13 UNTIL ALL WORK IS COMPLETE.

STEP 15: USING CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM TO CLOSE THE SOUTH SIDEWALK AT THE BRIDGE WORK AREA BRIDGE LOCATION B-3 (BRIDGE #450) DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM UNDER DECK BRIDGE OPERATIONS AT BRIDGE LOCATION B-3 (BRIDGE #450). CROSS PEDESTRIANS AT MCDOWELL ST (NC 27) FROM SOUTH TO NORTH, CROSS PEDESTRIANS BACK KINGS DR AT FROM NORTH TO SOUTH. PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-3 (BRIDGE #450). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 16: REPEAT STEP 15 UNTIL ALL WORK IS COMPLETE.

LOCATION : SECTIONS 3B, 4B, 5B, BRIDGE LOCATION B-4 (BRIDGE #451)(UNDER DECK), BRIDGE LOCATION B-5 (BRIDGE #452), BRIDGE LOCATION B-6 (BRIDGE #309) AND BRIDGE LOCATION B-7 (BRIDGE #47)

STEP 1: USE TMP-31 FOR OFFSITE DETOUR RAMP #24, TMP-40 FOR OFFSITE DETOUR RAMP #31B, TMP-101, TMP-102 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L2 AND L3 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L2, L3, RAMP #31B, AND BRIDGE LOCATION B-5 (BRIDGE #452). PLACE DETOUR SIGNING FOR CLOSURES ON I-277, US 74, RAMPS #24, #31B, E 3rd ST (NC 16), E 4th ST (NC 16), KENILWORTH AV, PROVIDENCE RD, CHARLOTTETOWNE AV, AND KINGS DR. THIS OPERATION WILL CLOSE RAMPS #24 AND #31B. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 NB, RAMP #31B AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-5 (BRIDGE #452). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: REPEAT STEP 1 UNTIL ALL WORK IS COMPLETE.

STEP 3: USE TMP-103, TMP-104 AND NCDOT RSD 1101.02 SHEET 8 OF 15 TO CLOSE LANES L1 AND L2 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L1 AND L2, AND BRIDGE LOCATION B-5 (BRIDGE #452). PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 NB AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-5 (BRIDGE #452). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 4: REPEAT STEP 3 UNTIL ALL WORK IS COMPLETE.

STEP 5: USE TMP-39 FOR OFFSITE DETOUR RAMP #31A TO CLOSE RAMP #31A DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON RAMP #31A. PLACE DETOUR SIGNING FOR CLOSURES ON I-277, RAMP 24, RAMP #31A, E 3rd ST (NC 16), E 5th ST, E 11th ST, AND MCDOWELL ST (NC 27). THIS OPERATION WILL CLOSE RAMP #31A. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON RAMP #31A.

STEP 6: REPEAT STEP 5 UNTIL ALL WORK IS COMPLETE.

STEP 7: USE TMP-39 FOR OFFSITE DETOUR RAMP #31A TO CLOSE RAMP 31A DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM UNDER DECK OPERATIONS ON BRIDGE LOCATION B-4 (BRIDGE #451) AND BRIDGE LOCATION B-5 (BRIDGE #452). PLACE DETOUR SIGNING FOR CLOSURES ON I-277, RAMPS #24, #31A, E 3rd ST (NC 16), E 5th ST, E 11th ST, AND MCDOWELL ST (NC 27). THIS OPERATION WILL CLOSE RAMP #31A. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-4 AND BRIDGE LOCATION B-5 (BRIDGE #452). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 8: REPEAT STEP 7 UNTIL ALL WORK IS COMPLETE.

STEP 9: USE TMP-41 FOR OFFSITE DETOUR FOR RAMP #32 AND TMP-36 FOR OFFSITE DETOUR FOR RAMP #28 DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON RAMP #28 AND RAMP #32 AND BRIDGE LOCATION B-6 (BRIDGE #309). PLACE DETOUR SIGNING FOR CLOSURES ON RAMPS #22, #23, #28, #32, US 74 WB, E 4th ST (NC 16), NC 27(MCDOWELL ST) AND CHARLOTTETOWNE AV. THIS OPERATION WILL CLOSE RAMPS #28 AND #32. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON RAMP #28, #32 AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-6 (BRIDGE #309). RAMPS #28 AND #32 ROADWAY OPERATIONS MAY BE DONE SEPERATELY UNDER THEIR RESPECTIVE DETOURS HOWEVER BRIDGE PRESERVATION OPERATIONS AT BRIDGE LOCATION B-6 (BRIDGE #309) SHALL BE DONE WHEN BOTH RAMP #28 AND #32 ARE CLOSED. AT THE END OF EACH WORK PERIOD REOPEN THE RAMPS TO TRAFFIC.

STEP 10: REPEAT STEP 9 UNTIL ALL WORK IS COMPLETE.

STEP 11: USE NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE THE EASTBOUND OUTSIDE LANE AND SIDEWALK ON E 7th ST DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM BRIDGE UNDER DECK OPERATIONS AT BRIDGE LOCATION B-6 (BRIDGE #309). USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE SOUTH SIDEWALK AT THE BRIDGE WORK AREA FOR BRIDGE LOCATION B-6 (BRIDGE #309). CROSS PEDESTRIANS AT MC DOWELL ST FROM SOUTH TO NORTH, CROSS PEDESTRIANS BACK AT KINGS DR FROM NORTH TO SOUTH. PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-6 (BRIDGE #309). CROSS PEDESTRIANS AT MCDOWELL ST FROM SOUTH TO NORTH, CROSS PEDESTRIANS BACK AT KINDS DR FROM NORTH TO SOUTH. PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-6 (BRIDGE #309). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 12: REPEAT STEP 11 UNTIL ALL WORK IS COMPLETE.

STEP 13: USE TMP-61 AND NCDOT RSD 1101.02 SHEET 7 OF 15 TO CLOSE THE CENTER LANE ON E 7th ST DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM BRIDGE UNDER DECK OPERATIONS AT BRIDGE LOCATION B-6 (BRIDGE #309). PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-6 (BRIDGE #309). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 14: REPEAT STEP 13 UNTIL ALL WORK IS COMPLETE.

STEP 15: USE NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE THE WESTBOUND OUTSIDE LANE AND SIDEWALK ON E 7th ST DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM BRIDGE UNDER DECK OPERATIONS AT BRIDGE LOCATION B-6 (BRIDGE #309). USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2, CLOSE THE NORTH SIDEWALK AT THE BRIDGE WORK AREA FOR BRIDGE LOCATION B-6 (BRIDGE #309). CROSS PEDESTRIANS AT KINGS DR FROM NORTH TO SOUTH, CROSS PEDESTRIANS BACK AT MC DOWELL ST FROM SOUTH TO NORTH. PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-6 (BRIDGE #309). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 16: REPEAT STEP 15 UNTIL ALL WORK IS COMPLETE.

STEP 17: USE NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE LANE L1 ON I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM BRIDGE UNDER DECK OPERATIONS AT BRIDGE LOCATION B-6 (BRIDGE #309) AND BRIDGE LOCATION B-7 (BRIDGE #47). PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-6 (BRIDGE #309) AND BRIDGE LOCATION B-7 (BRIDGE #47). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 18: USE NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE LANE L2 ON I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES PERFORM BRIDGE UNDER DECK OPERATIONS AT BRIDGE LOCATION B-6 (BRIDGE #309) AND BRIDGE LOCATION B-7 (BRIDGE #47). PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-6 (BRIDGE #309). AND BRIDGE LOCATION B-7 (BRIDGE #47) AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 19: REPEAT STEPS 17 AND 18 UNTIL ALL WORK IS COMPLETE.

STEP 20: USE TMP-37 FOR OFFSITE DETOUR FOR RAMP #29 DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON RAMP #29 AND BRIDGE LOCATION B-7 (BRIDGE #47). PLACE DETOUR SIGNING FOR CLOSURES ON I-277, US 74 WB, RAMPS #23, #29, E 4th ST (NC 16), E 5th ST AND NC 27(MCDOWELL ST). THIS OPERATION WILL CLOSE RAMP #29. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON RAMP #29 AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-7 (BRIDGE #47). AT THE END OF EACH WORK PERIOD REOPEN THE RAMP TO TRAFFIC.

STEP 20: REPEAT STEP 20 UNTIL ALL WORK IS COMPLETE.

LOCATION : SEGMENT 6B AND BRIDGE LOCATION B-8 (BRIDGE #315)

STEP 1: USE TMP-37 FOR OFFSITE DETOUR FOR RAMP #30, TMP-105 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE LANES L2 AND L3 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L2, L3 AND RAMP 30 AND BRIDGE LOCATION B-8 (BRIDGE #315). PLACE DETOUR SIGNING FOR CLOSURES ON US 74 WB, RAMP 30, RAMP 35, E 6th ST AND CALDWELL ST. THIS OPERATION WILL CLOSE RAMP 30. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 NB, RAMP 29 AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-8 (BRIDGE #315). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: REPEAT STEP 2 UNTIL ALL WORK IS COMPLETE.

STEP 3: USE TMP-106 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE LANES L1 AND L2 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON LANES L1 AND L2 AND BRIDGE LOCATION B-8 (BRIDGE #315). PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 NB, AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-8 (BRIDGE #315). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 4: REPEAT STEP 3 UNTIL ALL WORK IS COMPLETE.

STEP 5: USE TMP-45 FOR OFFSITE DETOUR FOR E 10th ST AT E 11th ST, TMP-46 FOR OFFSITE DETOUR FOR E 12th ST AT E 10th ST, TMP-62 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE WESTBOUND OUTSIDE LANE AND SIDEWALK ON E 10th ST DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM BRIDGE UNDER DECK OPERATIONS AT LOCATIONS B-8 (BRIDGE #315) AND BRIDGE B-7 (BRIDGE #316). PLACE DETOUR SIGNING FOR CLOSURES E 7th ST, E 11th ST, NC 27 (MCDOWELL ST), OTTS ST, SEIGLE AV, LOUISE AV AND HAWTHORNE LN. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2, CLOSE THE NORTH SIDEWALK AT THE BRIDGE WORK AREA FOR BRIDGE LOCATION B-8 (BRIDGE #315) AND BRIDGE LOCATION B-9 (BRIDGE #316). CROSS PEDESTRIANS AT E 10th ST AND NC 27 (MCDOWELL ST) FROM WEST TO EAST, CROSS PEDESTRIANS BACK AT SEIGLE AV FROM SOUTH TO NORTH. PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-8 (BRIDGE #315) AND BRIDGE B-9 (BRIDGE #316). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

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CONTINUED FROM PHASING NOTES 5 OF 6

STEP 6: USE TMP-63 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE EASTBOUND OUTSIDE LANE AND SIDEWALK ON E 10TH ST DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM BRIDGE UNDER DECK OPERATIONS AT LOCATIONS B-8 (BRIDGE #315) AND BRIDGE B-7 (BRIDGE #316). USE CHARLOTTE WORK ZONE TRAFFIC CONTROL HANDBOOK DIAGRAM 2, CLOSE THE SOUTH SIDEWALK AT THE BRIDGE WORK AREA FOR BRIDGE LOCATION B-8 (BRIDGE #315) AND BRIDGE LOCATION B-9 (BRIDGE #316). CROSS PEDESTRIANS AT E 10TH ST AND NC 27 (MCDOWELL ST) FROM EAST TO WEST, CROSS PEDESTRIANS BACK AT SEIGLE AV FROM NORTH TO SOUTH. PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-8 (BRIDGE #315) AND BRIDGE B-9 (BRIDGE #316). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

LOCATION : SEGMENT 6B AND BRIDGE LOCATION B-8 (BRIDGE #315)-CONTINUED FROM PAGE 5 OF 6

STEP 7: USE TMP-45 FOR OFFSITE DETOUR FOR E 10th ST AT E 11th ST, TMP-46 FOR OFFSITE DETOUR FOR E 12th ST AT E 10th ST, TMP-64 AND NCDOT RSD 1101.02 SHEET 3 OF 15 TO CLOSE CENTER AND TURN LANE ON E 10 ST DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM BRIDGE UNDER DECK OPERATIONS AT LOCATIONS B-8 (BRIDGE #315) AND BRIDGE B-7 (BRIDGE #316). PLACE DETOUR SIGNING FOR CLOSURES E 7th ST, E 11th ST, NC 27 (MCDOWELL ST), OTTS ST, SEIGLE AV, LOUISE AV AND HAWTHORNE LN. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM BRIDGE UNDER DECK OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-8 (BRIDGE #315) AND BRIDGE B-9 (BRIDGE #316). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 8: REPEAT STEPS 5 THRU STEP 7 UNTIL ALL WORK IS COMPLETE.

SEGMENT B SOUTHBOUND

LOCATION : SEGMENT 7B, 8B AND BRIDGE LOCATION B-9 (BRIDGE #316)

STEP 1: USE TMP-37 FOR OFFSITE DETOUR FOR RAMP #29, TMP-107, NCDOT RSD 1101.02 SHEET 8 OF 15 DURING ALLOWABLE LANE CLOSURE TIMES TO CLOSE LANES L1 AND L2 ON I-277 SB TO PERFORM WORK ON LANES L1 AND L2 AND BRIDGE LOCATION B-9 (BRIDGE #316). PLACE DETOUR SIGNING FOR CLOSURES ON I-277, US 74 WB, RAMPS #23, #29, E 4th ST (NC 16), E 5th ST AND NC 27(MCDOWELL ST). THIS OPERATION WILL CLOSE RAMP #29. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-9 (BRIDGE #316). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-108 AND NCDOT RSD 1101.02 SHEET 8 OF 15 DURING ALLOWABLE LANE CLOSURE TIMES TO CLOSE LANES L3 AND L2 ON I-277 SB TO PERFORM WORK ON LANES L3 AND L2 AND BRIDGE LOCATION B-9 (BRIDGE #316). PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-9 (BRIDGE #316). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND STEP 2 UNTIL ALL WORK IS COMPLETE.

LOCATION : SEGMENT 9B, BRIDGE LOCATION B-4 (BRIDGE #451) AND BRIDGE LOCATION B-5 (BRIDGE #452), AND BRIDGE LOCATION B-3 (BRIDGE #450)

STEP 1: USE TMP-109 AND NCDOT RSD 1101.02 SHEET 3 OF 15 DURING ALLOWABLE LANE CLOSURE TIMES TO CLOSE LANES L1 AND L2 ON I-277 SB TO PERFORM WORK ON LANES L1 AND L2 AND BRIDGE LOCATION B-4 (BRIDGE #451) AND BRIDGE LOCATION B-3 (BRIDGE #450). PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-4 (BRIDGE #451) AND BRIDGE LOCATION B-3 (BRIDGE #450). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: REPEAT STEP 1 UNTIL ALL WORK IS COMPLETE.

STEP 3: USE TMP-41 FOR OFFSITE DETOUR FOR RAMP #32, TMP-110 AND NCDOT RSD 1101.02 SHEET 3 OF 15 DURING ALLOWABLE LANE CLOSURE TIMES TO CLOSE LANES L1 AND L2 ON I-277 SB TO PERFORM WORK ON LANES L1 AND L2 AND BRIDGE LOCATION B-4 (BRIDGE #451), BRIDGE LOCATION B-5 (BRIDGE #452) AND BRIDGE LOCATION B-3 (BRIDGE #450). PLACE DETOUR SIGNING FOR CLOSURES ON RAMPS #22, #32, US 74 WB, E 4THST (NC 16), NC 27(MCDOWELL ST) AND CHARLOTTETOWNE AV. THIS OPERATION WILL CLOSE RAMPS #28 AND #32. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-4 (BRIDGE #451), BRIDGE LOCATION B-5 (BRIDGE #452) AND BRIDGE LOCATION B-3 (BRIDGE #450). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 4: REPEAT STEP 3 UNTIL ALL WORK IS COMPLETE.

LOCATION : SEGMENT 10B, 11B BRIDGE LOCATION B-2 (BRIDGE #449) AND BRIDGE LOCATION B-1 (BRIDGE #448)

STEP 1: USE TMP-111 AND NCDOT RSD 1101.02 SHEET 3 OF 15 DURING ALLOWABLE LANE CLOSURE TIMES TO CLOSE LANE L1 ON I-277 SB AND ONE LANE ON RAMP #32 TO PERFORM WORK ON LANE L1 AND BRIDGE LOCATION B-2 (BRIDGE #449) AND BRIDGE LOCATION B-1 (BRIDGE #448). PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-2 (BRIDGE #449) AND BRIDGE LOCATION B-1 (BRIDGE #448). PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-2 (BRIDGE #449) AND BRIDGE LOCATION B-1 (BRIDGE #448). AT THE END OF EACH WORK PERIOD REOPEN THE RAMP TO TRAFFIC.

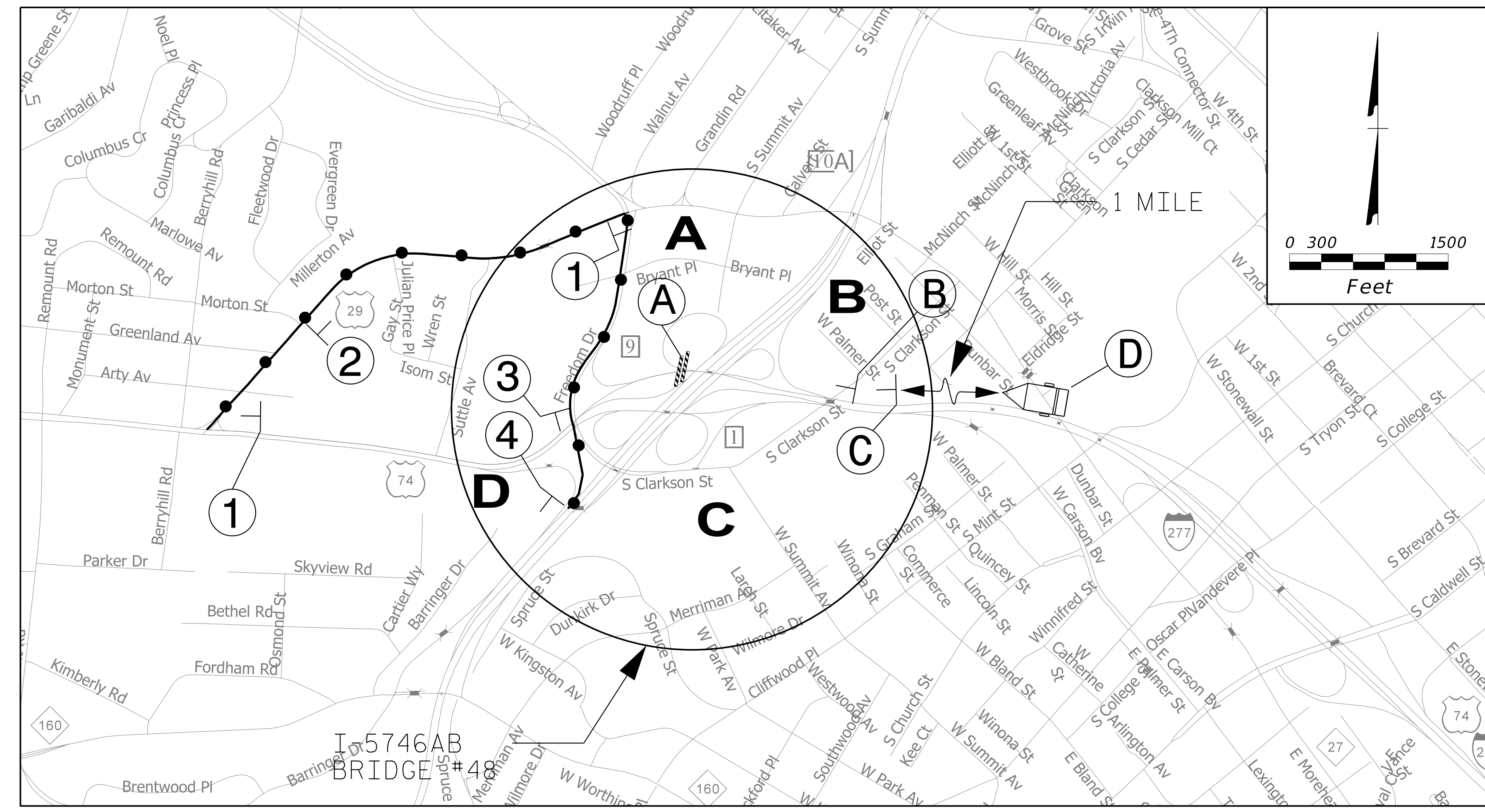
STEP 2: REPEAT STEP 1 UNTIL ALL WORK IS COMPLETE.

STEP 3: USE TMP-41 FOR OFFSITE DETOUR FOR RAMP #32, TMP-30 FOR OFFSITE DETOUR #23, TMP-112 AND NCDOT RSD 1101.02 SHEET 3 OF 15 DURING ALLOWABLE LANE CLOSURE TIMES TO CLOSE LANE L2 ON I-277 SB TO PERFORM WORK ON LANE L2, RAMP #23 AND BRIDGE LOCATION B-2 (BRIDGE #449) AND BRIDGE LOCATION B-1 (BRIDGE #448). PLACE DETOUR SIGNING FOR CLOSURES ON I-277, RAMPS #18, #22, #23, #32, US 74 WB, E 3rd ST (NC 16), DAVIDSON ST, E 4th ST (NC 16), NC 27(MCDOWELL ST) AND CHARLOTTETOWNE AV. THIS OPERATION WILL CLOSE RAMPS #23 AND #32. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM FOG AND SEAL ON SHOULDERS, CONCRETE PAVEMENT PRESERVATION OPERATIONS AS REQUIRED IN ROADWAY PLANS ON I-277 SB AND PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT BRIDGE LOCATION B-2 (BRIDGE #449) AND BRIDGE LOCATION B-1 (BRIDGE #448). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 4: REPEAT STEP 3 UNTIL ALL WORK IS COMPLETE.

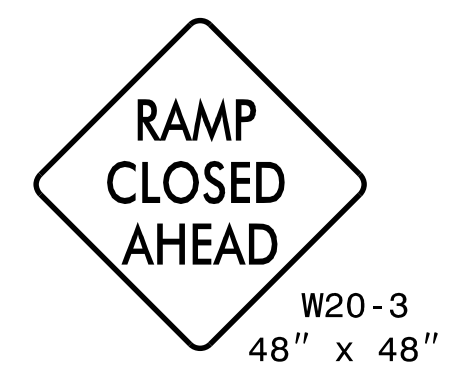
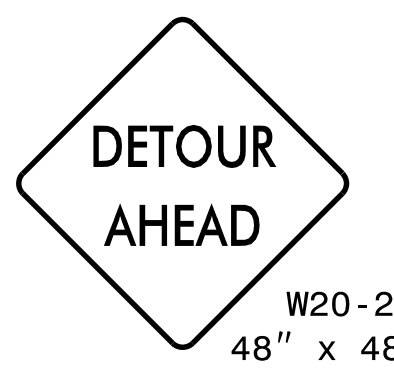
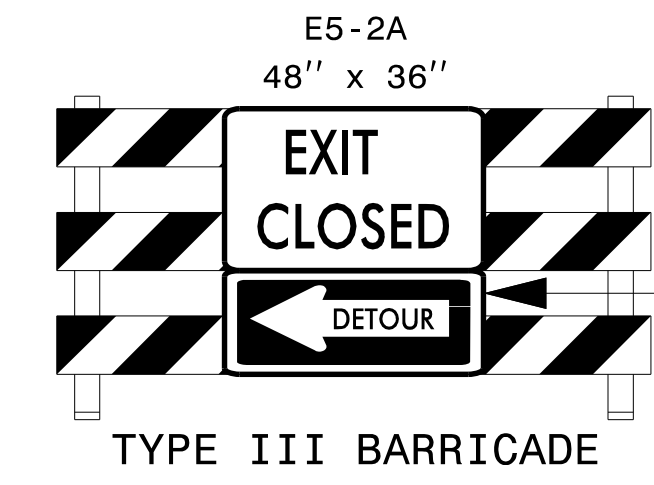
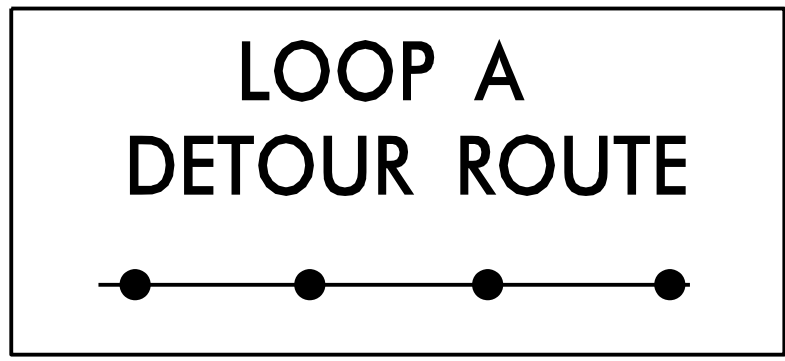
4/24/2017
Z:\Raleigh\Production\TIP I-5746AB\TrafficControl\TIP\06_15746AB_TMP10E_PHASING NOTES (6 OF 6).dgn
User:jmazer

		<p style="font-weight: bold; font-size: 12px;">PHASING NOTES</p> <p style="font-size: 14px; font-weight: bold;">6 OF 6</p>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		



INTERCHANGE QUADRANT DESIGNATIONS:

- A** - NORTH-WEST QUADRANT
- B** - NORTH-EAST QUADRANT
- C** - SOUTH-EAST QUADRANT
- D** - SOUTH-WEST QUADRANT



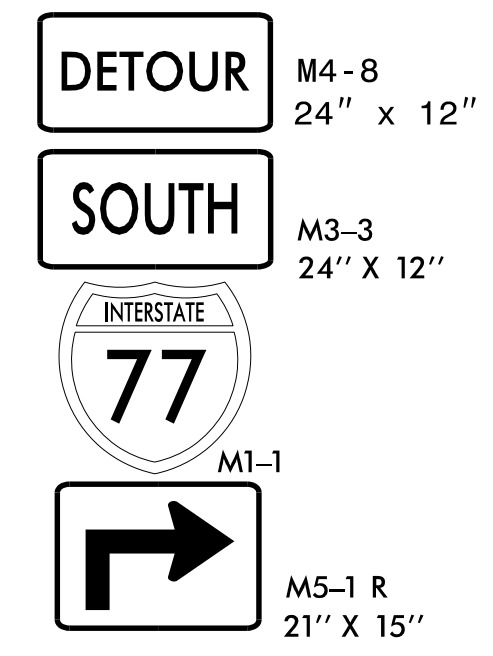
MESSAGE NO. 1	MESSAGE NO. 2
I-77 SB ON RAMP CLOSED	FOLLOW I-77 SB DETOUR
CHANGEABLE MESSAGE SIGN	

A

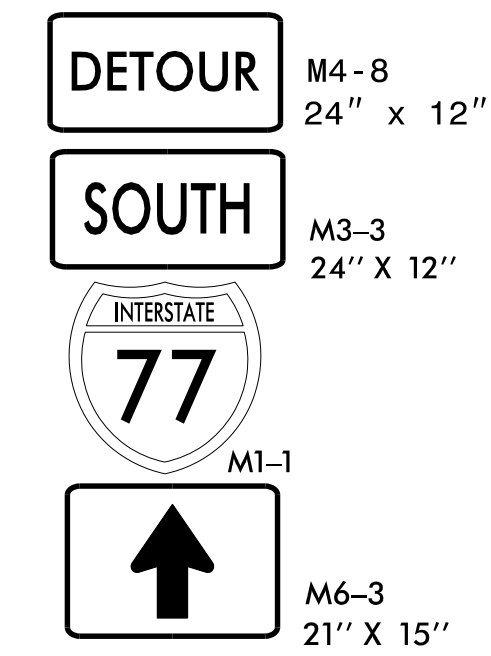
B

C

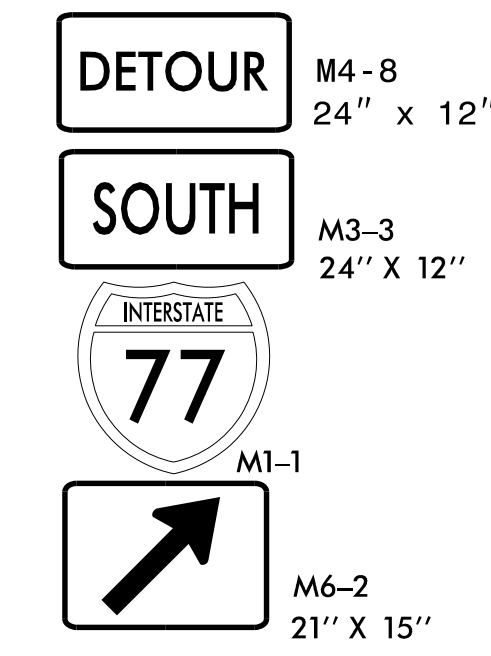
D



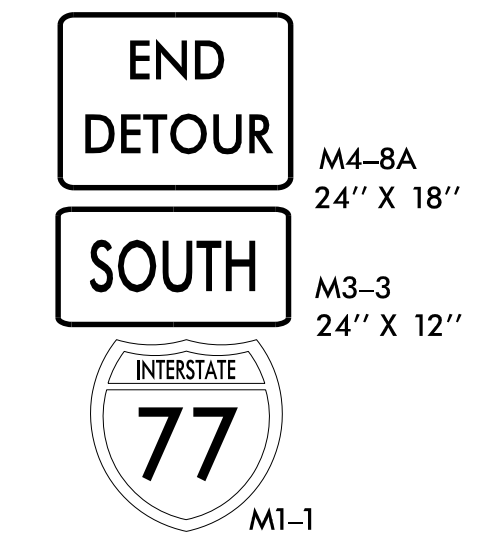
1



2



3



4

DETOUR DESCRIPTION:

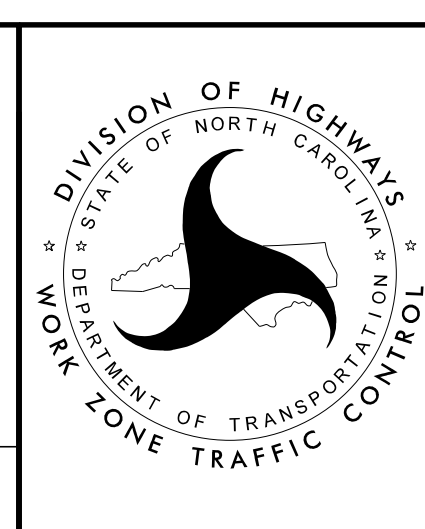
US 74 WB TO US 29 TO FREEDOM DRIVE TO I-77 SB ENTRANCE RAMP

NOTES:

TRAFFIC CONTROL DEVICES ① THRU ④ AND ① THRU ④ SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.

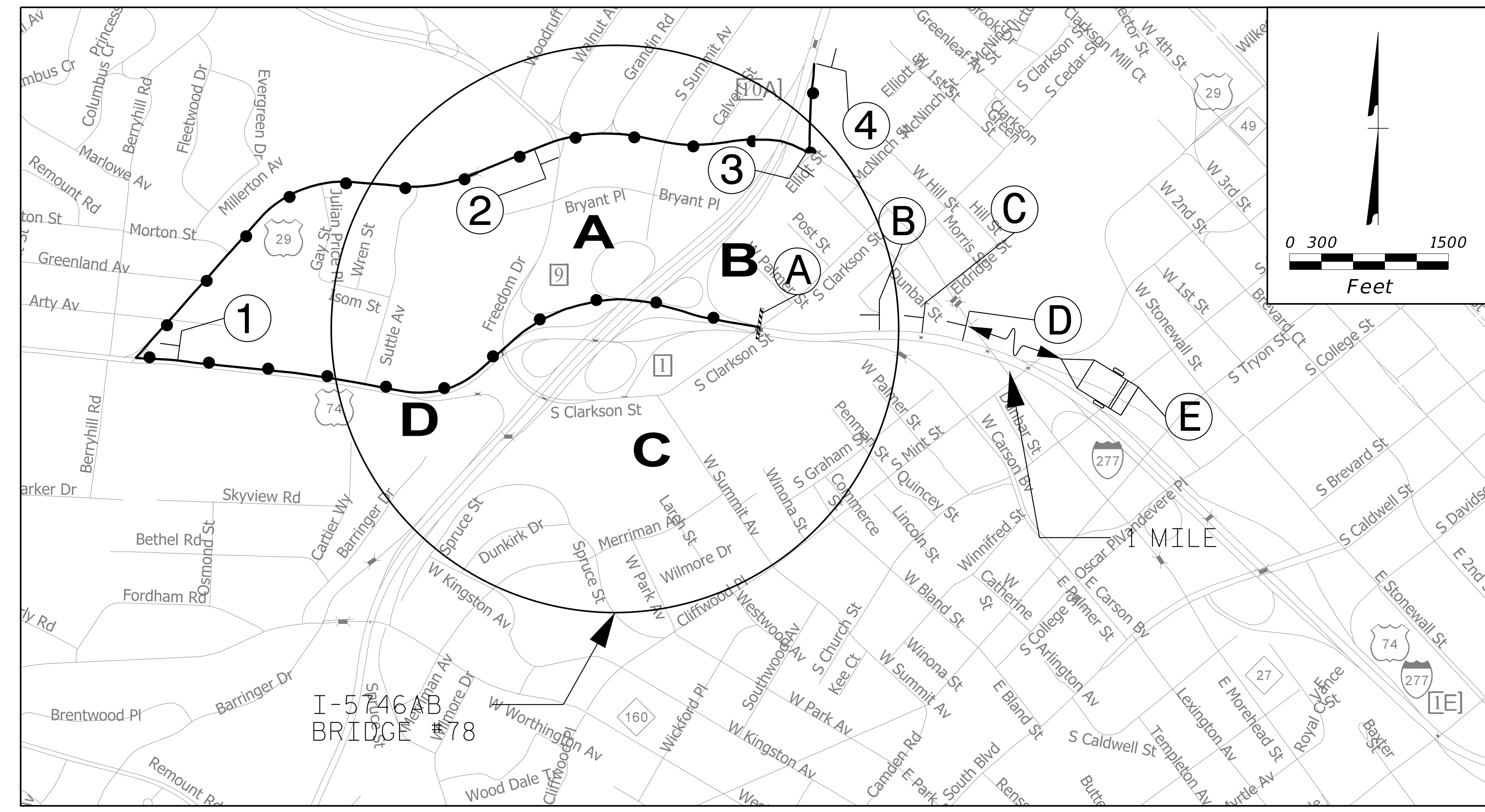
DocuSigned by:
John P. Mazeres
5/4/2017

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



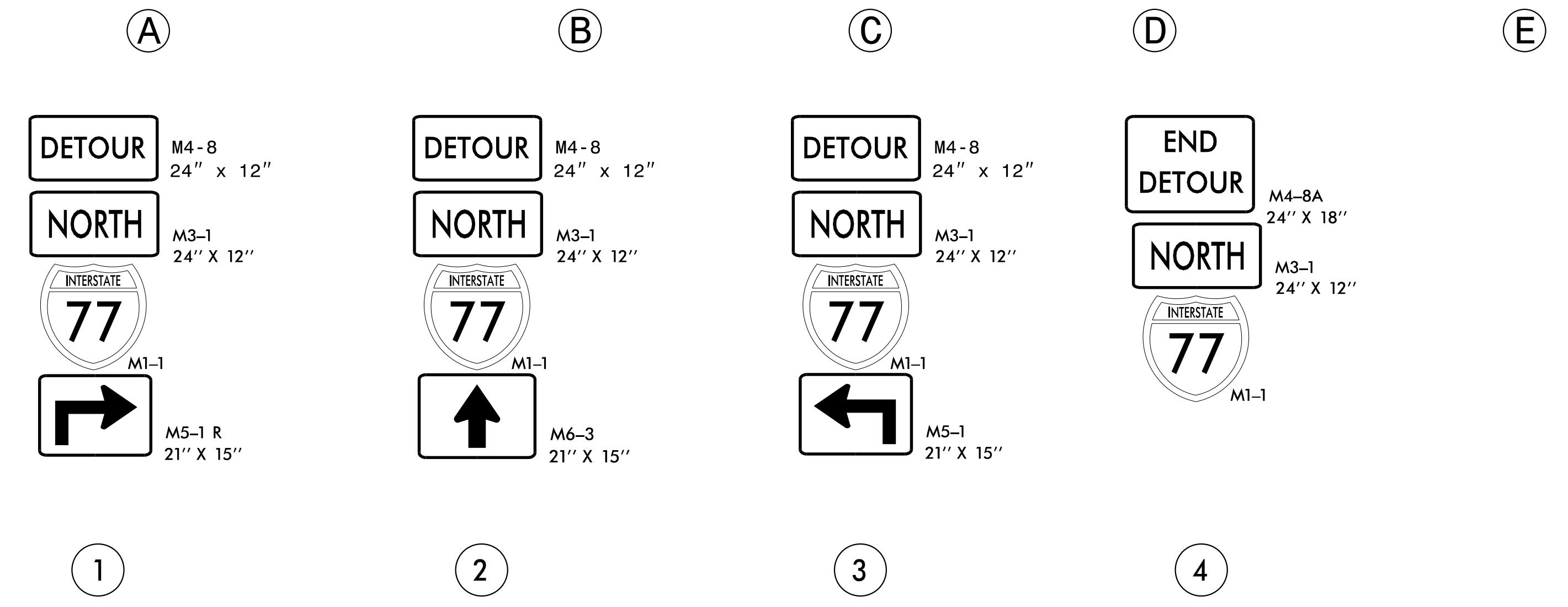
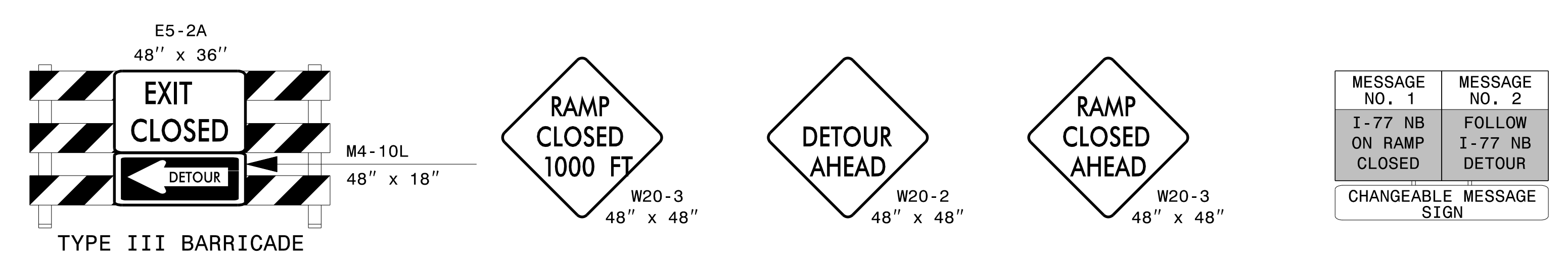
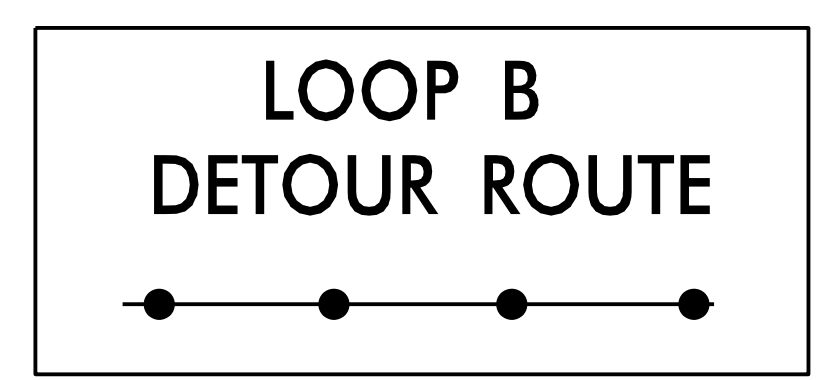
**OFFSITE DETOUR 4
SIGNING AND ROAD
CLOSURE SIGNING**

5/3/2017 Z:\Raleigh\Production\TIP I-5746AB\TrafficControl\TIP\OFFSITE DETOUR 4.dgn User:TKU



INTERCHANGE QUADRANT DESIGNATIONS:

- A** - NORTH-WEST QUADRANT
- B** - NORTH-EAST QUADRANT
- C** - SOUTH-EAST QUADRANT
- D** - SOUTH-WEST QUADRANT



DETOUR DESCRIPTION:

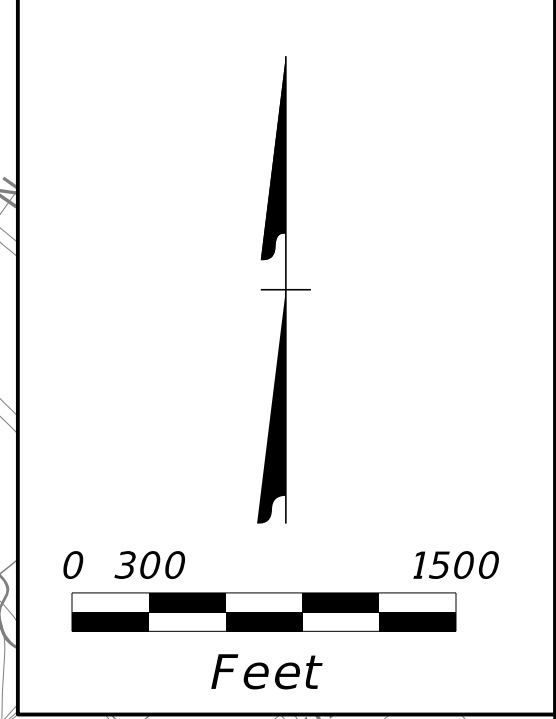
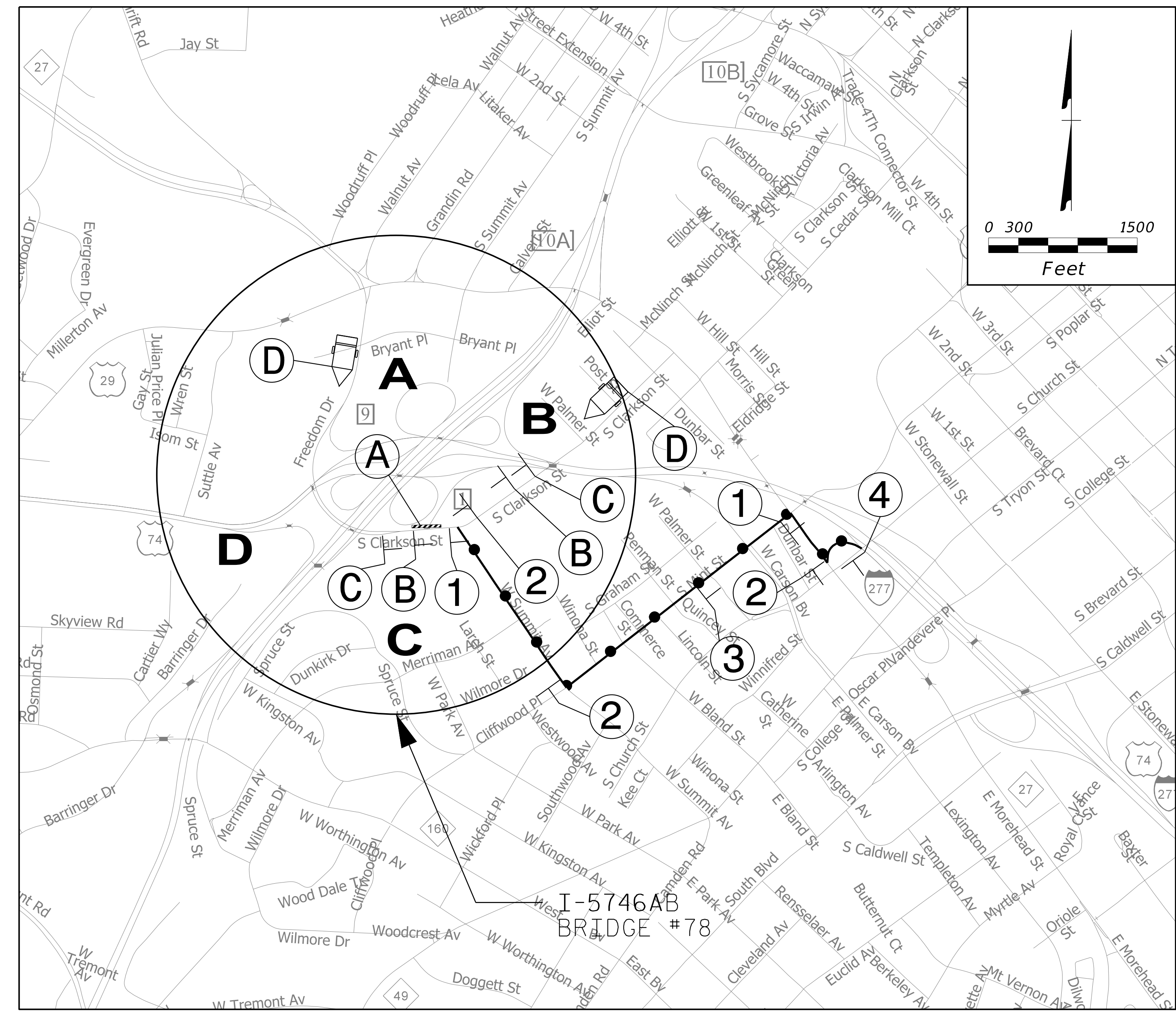
US 74 WB TO US 29 TO I-77 NB ENTRANCE RAMP

NOTES:

TRAFFIC CONTROL DEVICES ① THRU ④ AND ① THRU ⑤ SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.

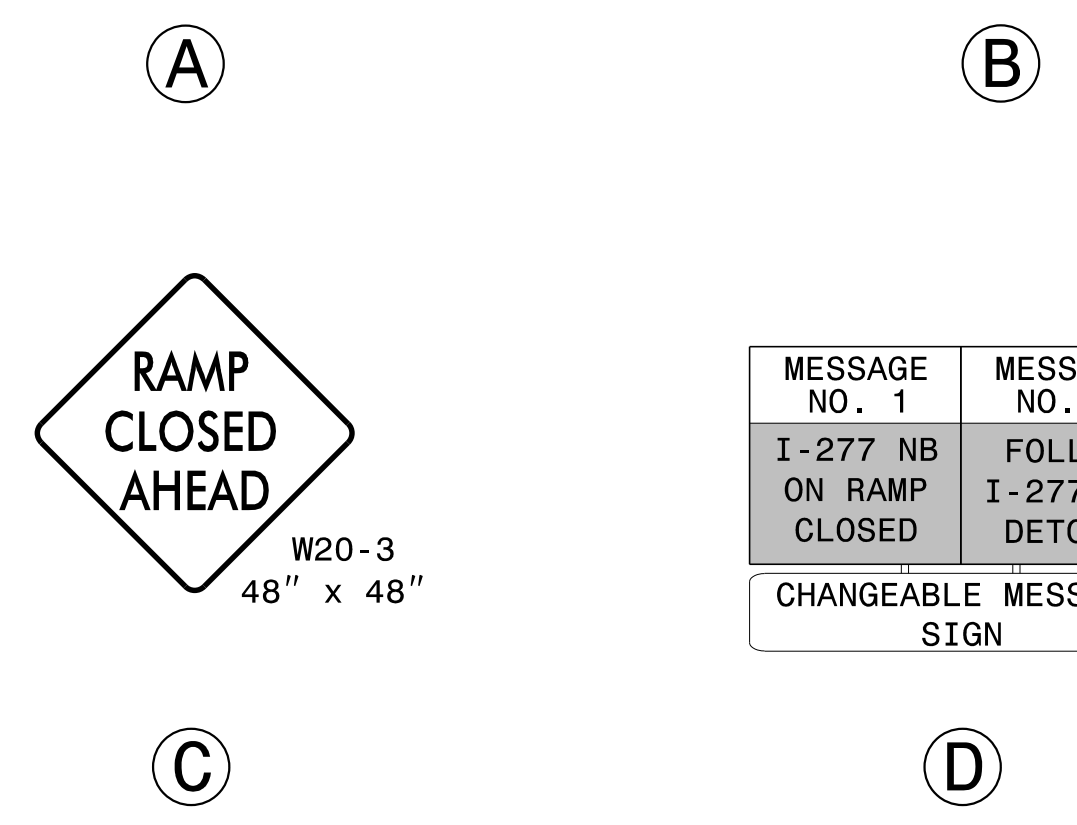
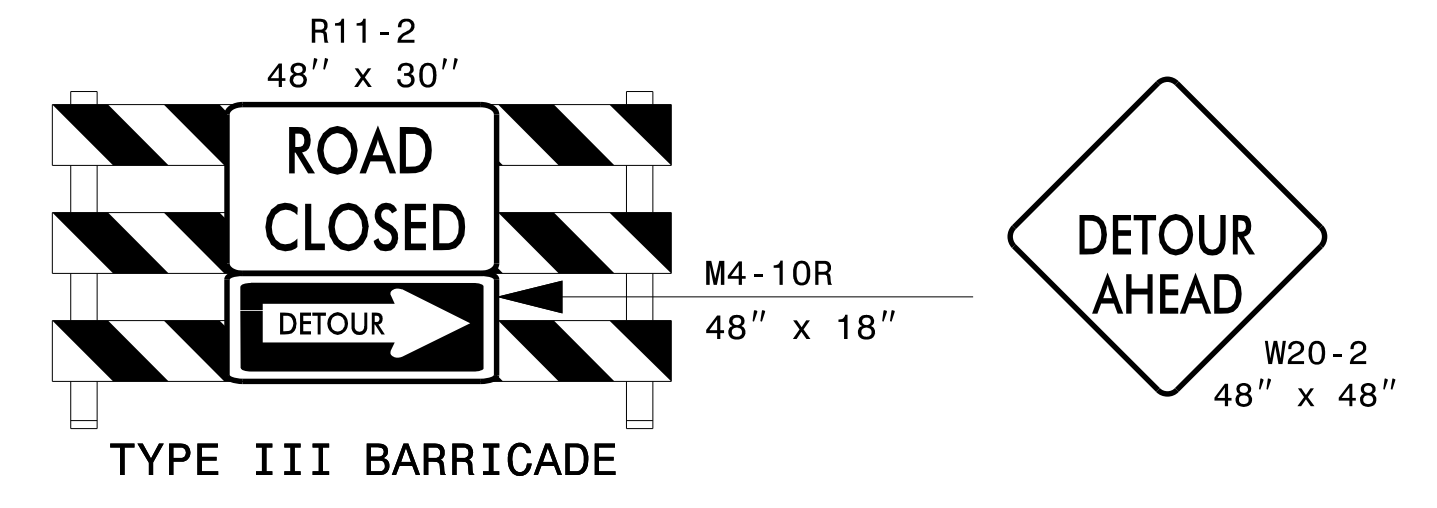
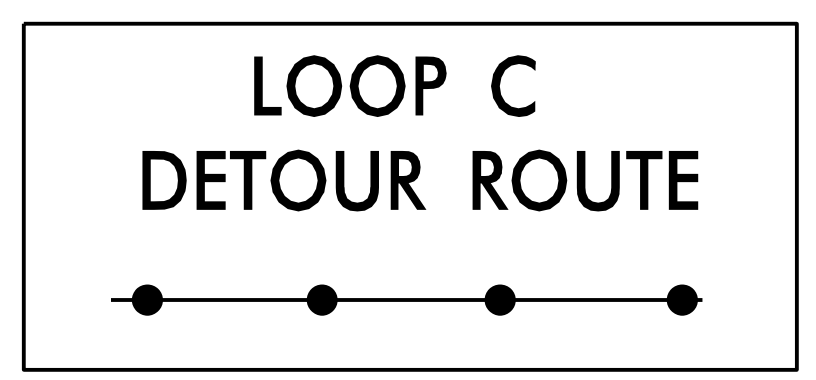
5/3/2017 Z:\Raleigh\Production\TIP I-5746AB\TrafficControl\TIP22-OFFSITE DETOUR 5.dgn User:TKU

<p>DocuSigned by: <i>John P. Mazer</i> 693C00083A84AF... 5/4/2017</p>		<p>OFFSITE DETOUR 5 SIGNING AND ROAD CLOSURE SIGNING</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		



INTERCHANGE QUADRANT DESIGNATIONS:

- A** - NORTH-WEST QUADRANT
- B** - NORTH-EAST QUADRANT
- C** - SOUTH-EAST QUADRANT
- D** - SOUTH-WEST QUADRANT

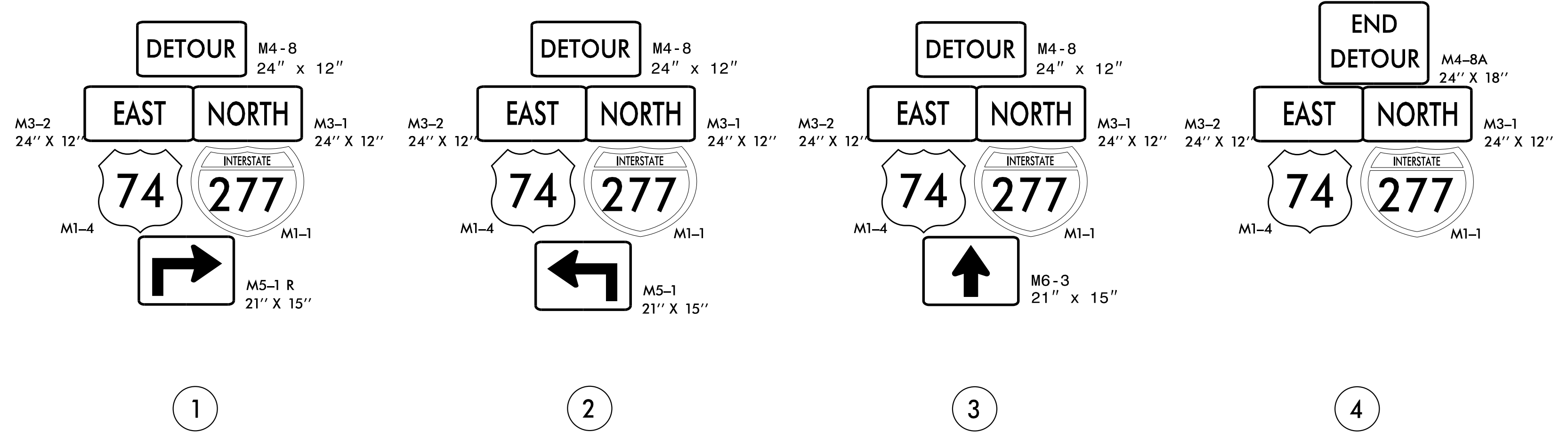


DETOUR DESCRIPTION:

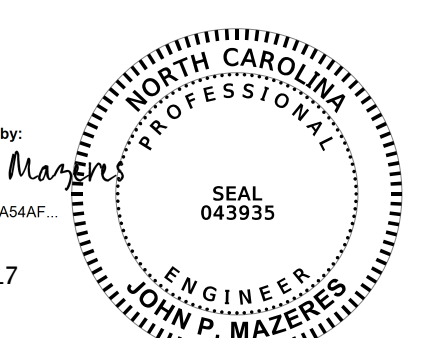
W. SUMMIT AVE. TO S. MINT ST. TO E. MOREHEAD ST./US29 TO I-277 NB, FRONTAGE ROAD ENTRANCE RAMP

NOTES:

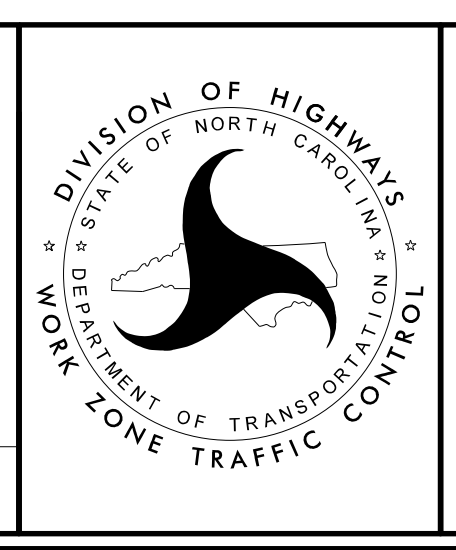
TRAFFIC CONTROL DEVICES ① THRU ④ AND ①A THRU ①D SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.



DocuSigned by:
John P. Mazeres
5/4/2017

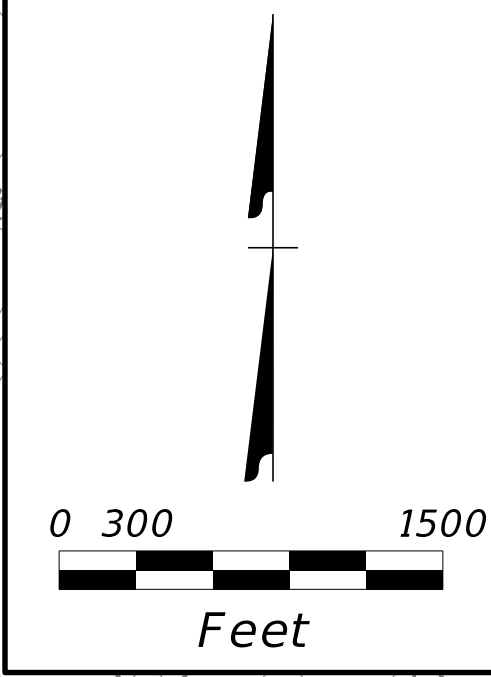
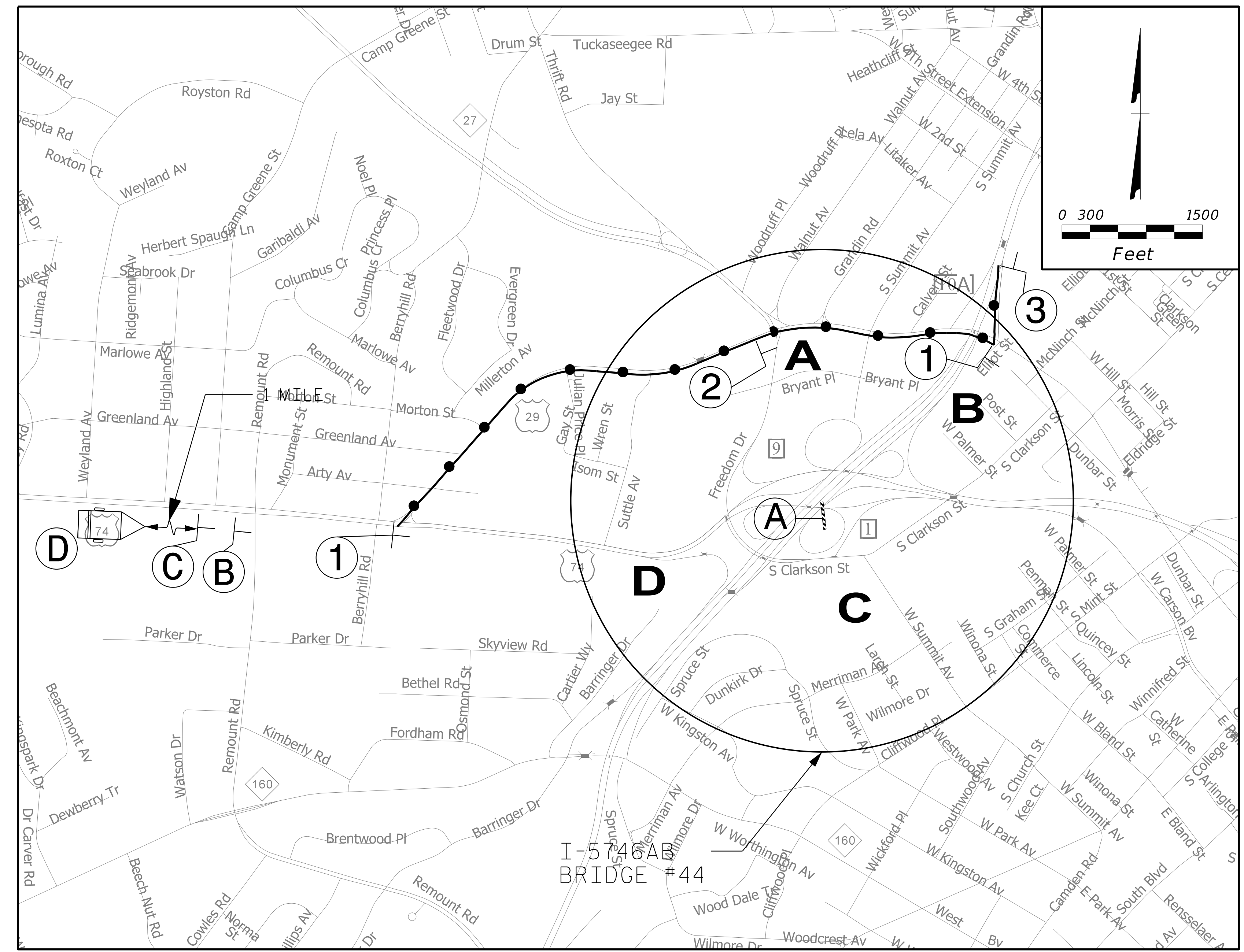


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



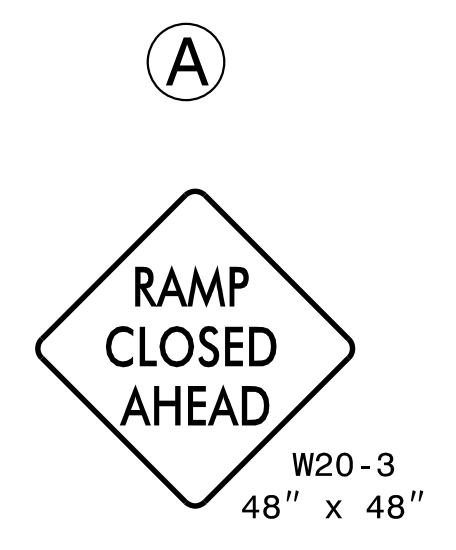
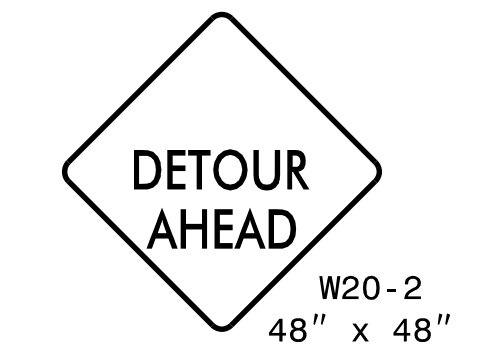
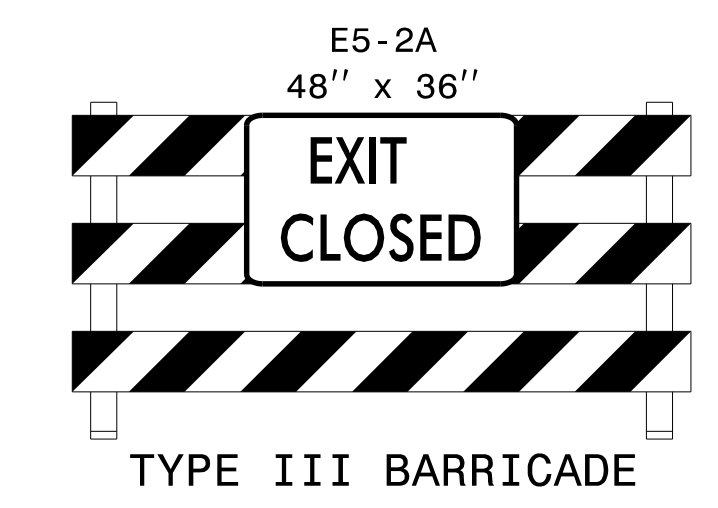
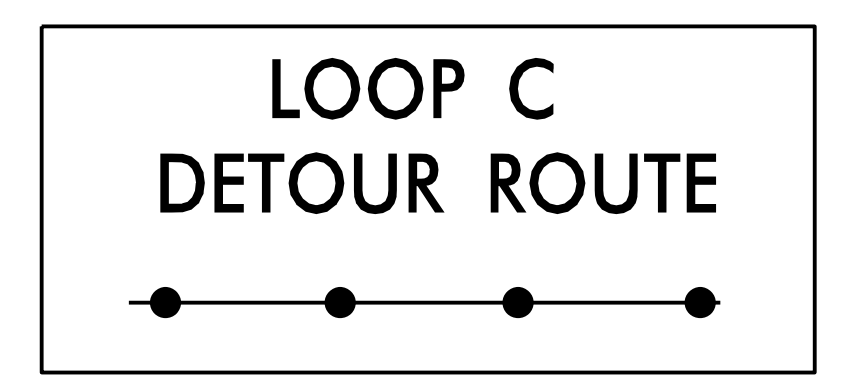
OFFSITE DETOUR 6
SIGNING AND ROAD
CLOSURE SIGNING

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INTERCHANGE QUADRANT DESIGNATIONS:

- A** - NORTH-WEST QUADRANT
- B** - NORTH-EAST QUADRANT
- C** - SOUTH-EAST QUADRANT
- D** - SOUTH-WEST QUADRANT



MESSAGE NO. 1	MESSAGE NO. 2
I-77 NB ON RAMP CLOSED	FOLLOW I-77 NB DETOUR

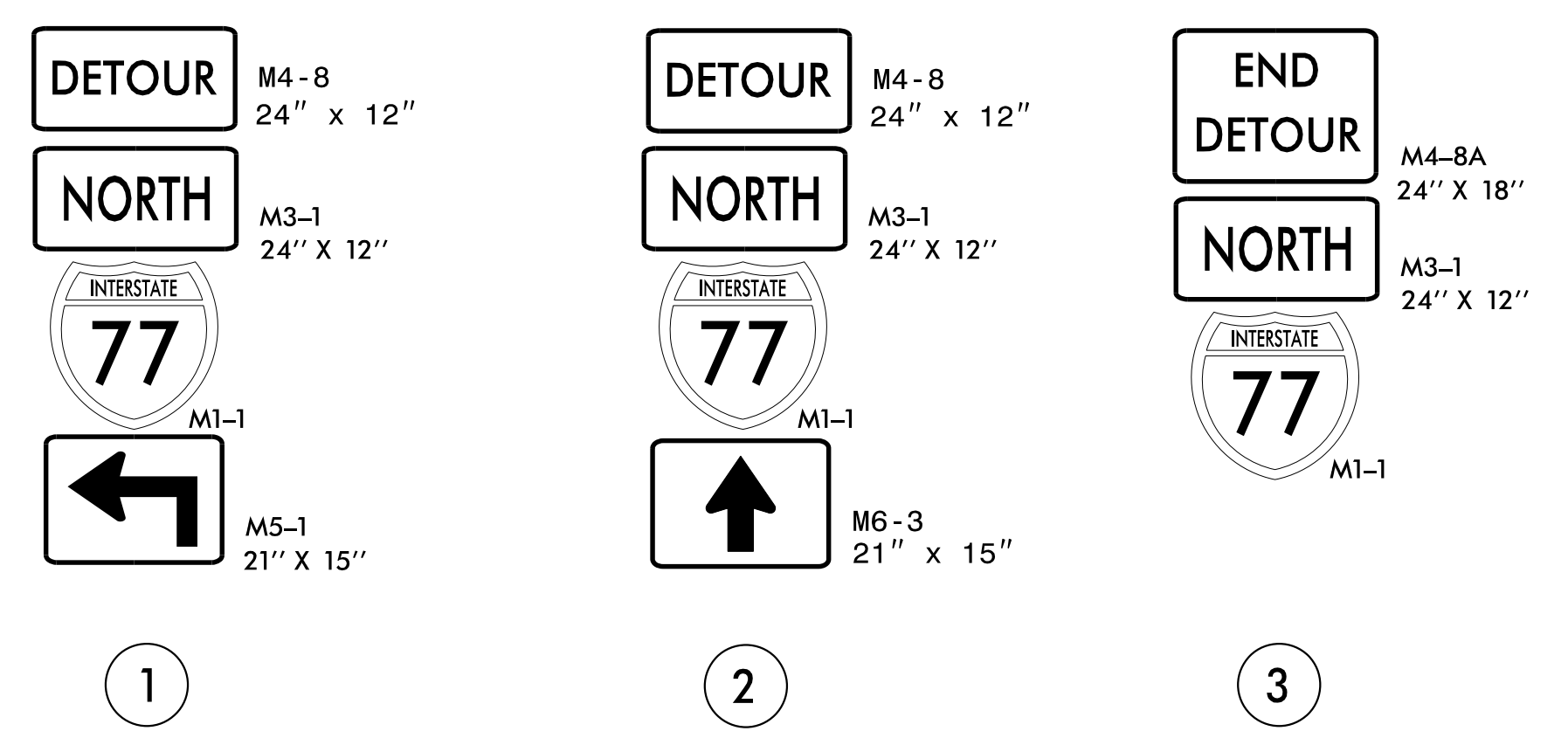
CHANGEABLE MESSAGE SIGN

DETOUR DESCRIPTION:

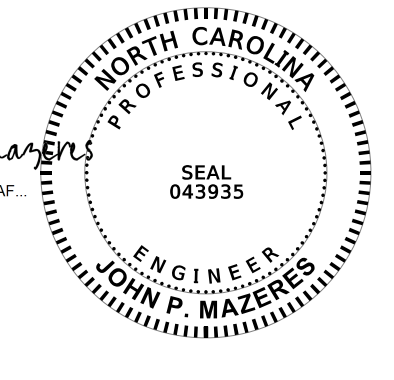
US 29 TO I-77 NB ENTRANCE RAMP

NOTES:

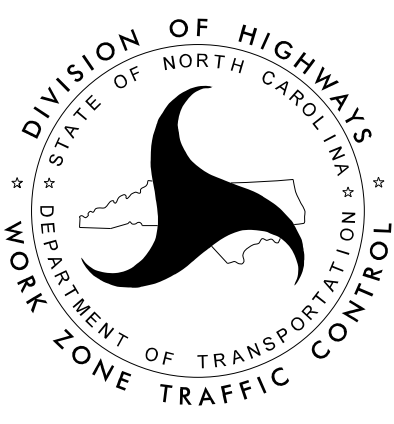
TRAFFIC CONTROL DEVICES ① THRU ③ AND ④ THRU ⑥ SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.



DocuSigned by:
John P. Mazeres
5/4/2017

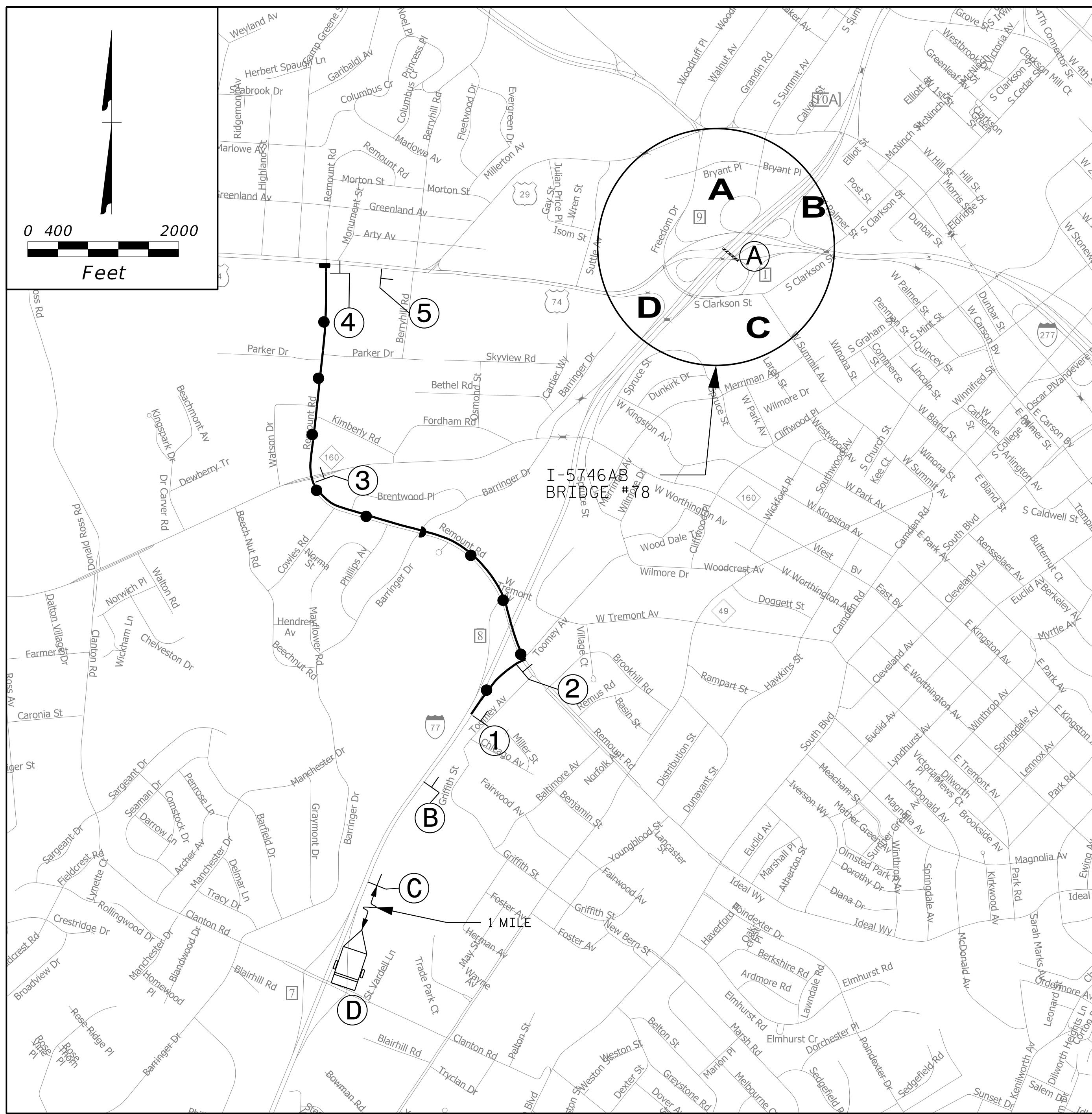


**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



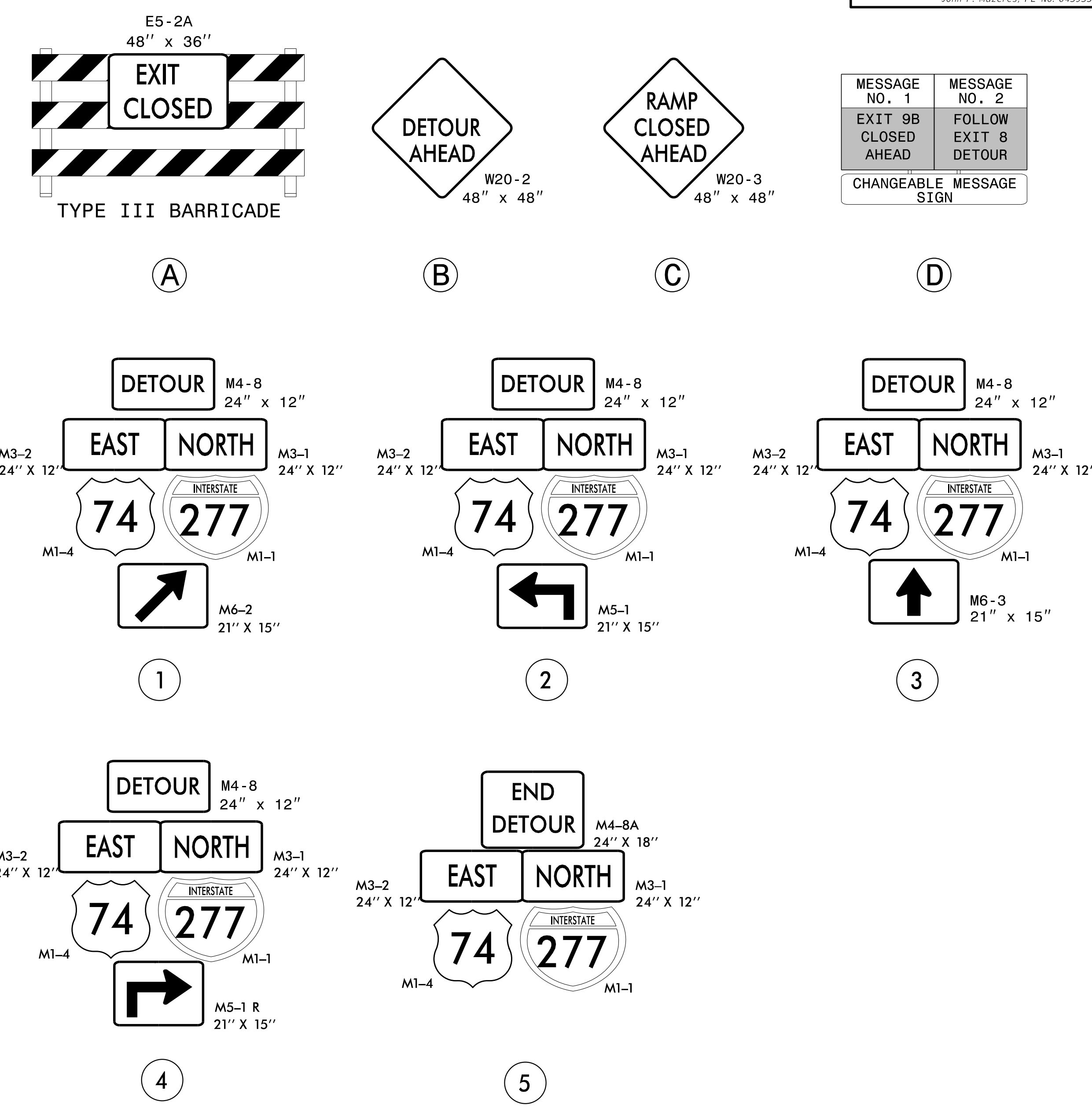
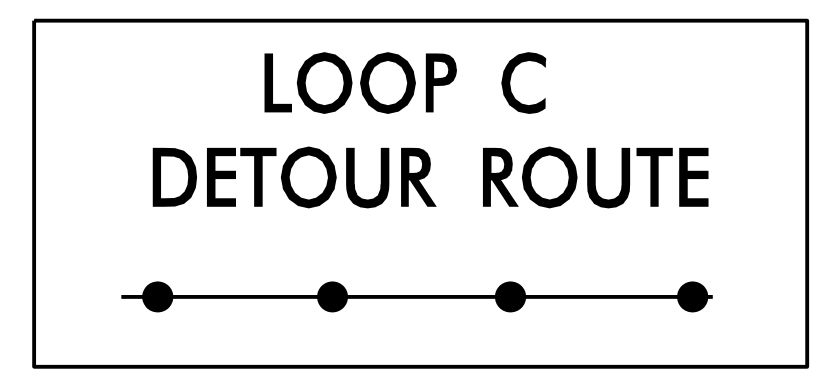
**OFFSITE DETOUR 7A
SIGNING AND ROAD
CLOSURE SIGNING**

5/3/2017 Z:\Raleigh\Production\TIP I-5746A\TrafficControl\TIP4-OFFSITE DETOUR 7A.dgn User:TKU



INTERCHANGE QUADRANT DESIGNATIONS:

- A** - NORTH-WEST QUADRANT
- B** - NORTH-EAST QUADRANT
- C** - SOUTH-EAST QUADRANT
- D** - SOUTH-WEST QUADRANT

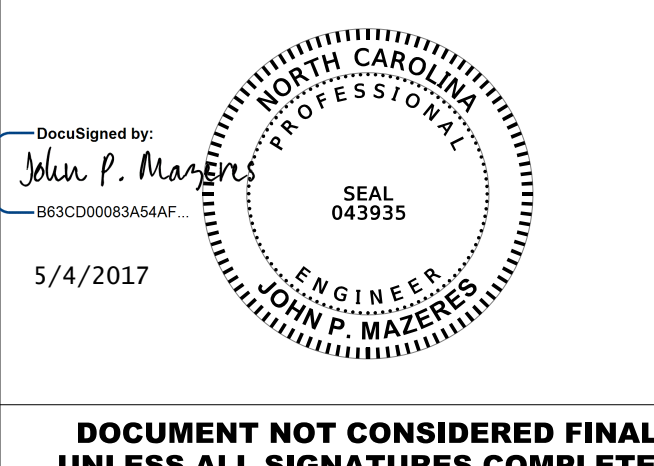
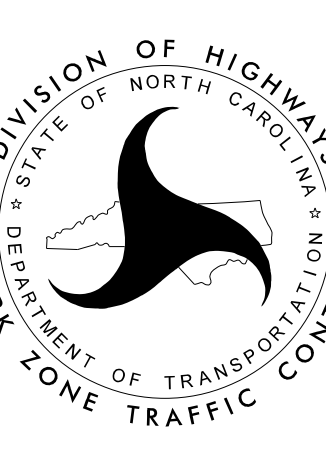


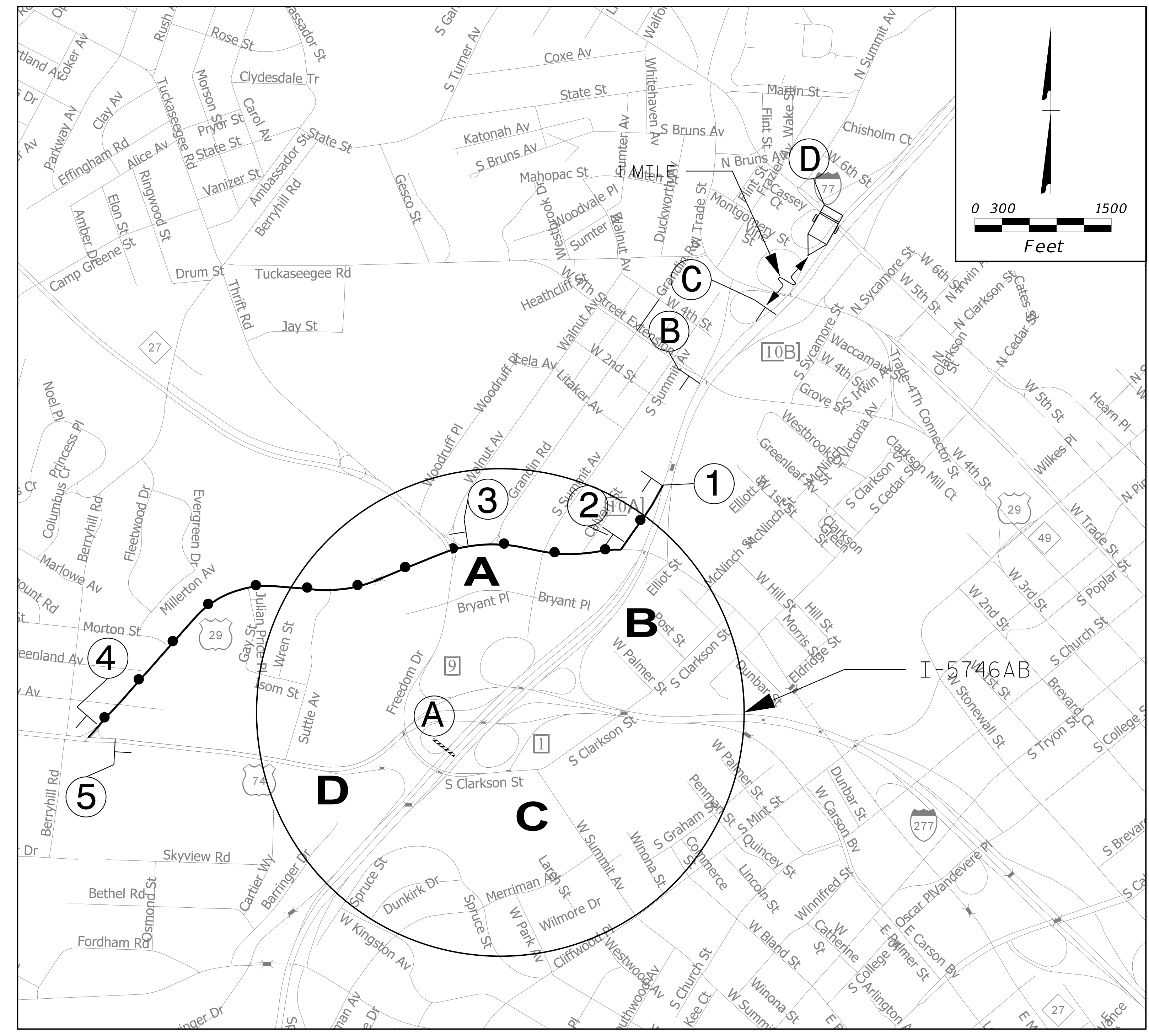
MESSAGE NO. 1	MESSAGE NO. 2
EXIT 9B CLOSED AHEAD	FOLLOW EXIT 8 DETOUR
CHANGEABLE MESSAGE SIGN	

DETOUR DESCRIPTION:
 I-77 NB EXIT 8 TO REMOUNT RD. TO US 74 EB

NOTES:
 TRAFFIC CONTROL DEVICES ① THRU ⑤ AND ④ THRU ⑩ SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.

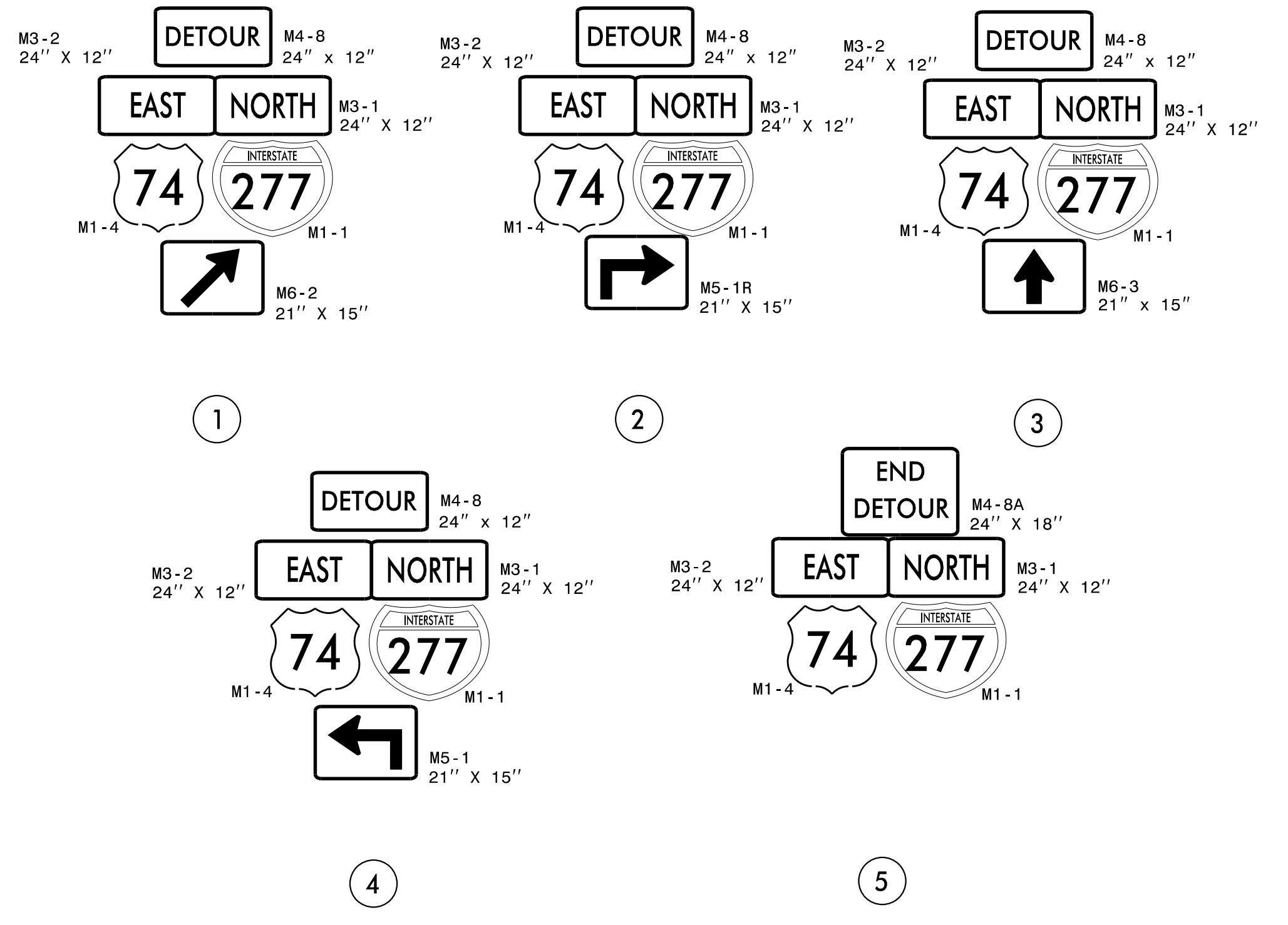
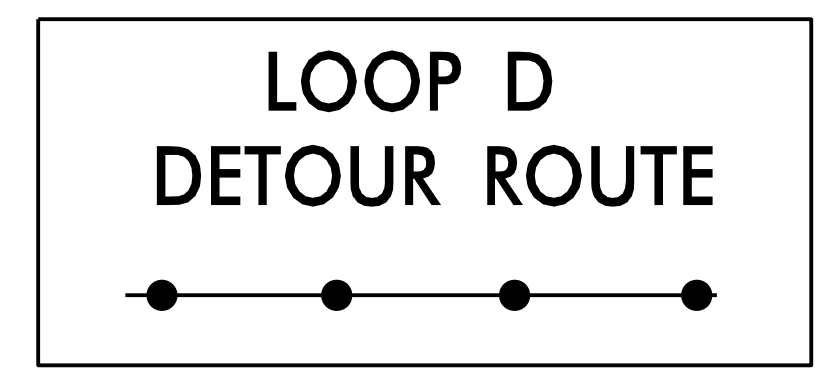
5/3/2017
 Z:\Raleigh\Production\TIP I-5746AB\TrafficControl\TrafficControl\TIP I-5746AB_TMP15_OFFSITE DETOUR 7B.dgn
 User:TKU

 <p>DocuSigned by: John P. Mazeres 5/4/2017</p>		<p>OFFSITE DETOUR 7B SIGNING AND ROAD CLOSURE SIGNING</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		



INTERCHANGE QUADRANT DESIGNATIONS:

- A** - NORTH-WEST QUADRANT
- B** - NORTH-EAST QUADRANT
- C** - SOUTH-EAST QUADRANT
- D** - SOUTH-WEST QUADRANT

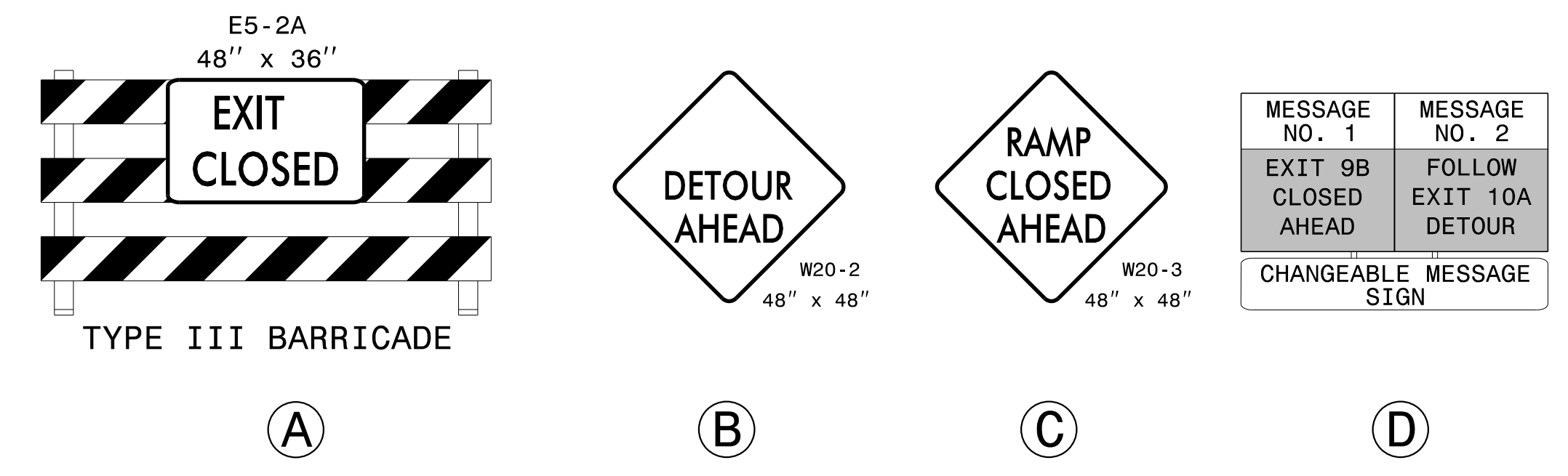


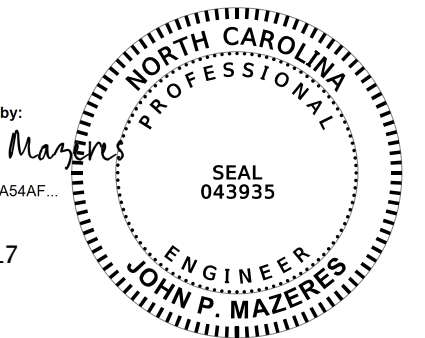

DETOUR DESCRIPTION:

I-77 SB EXIT 10A TO US 29 TO US 74 EB

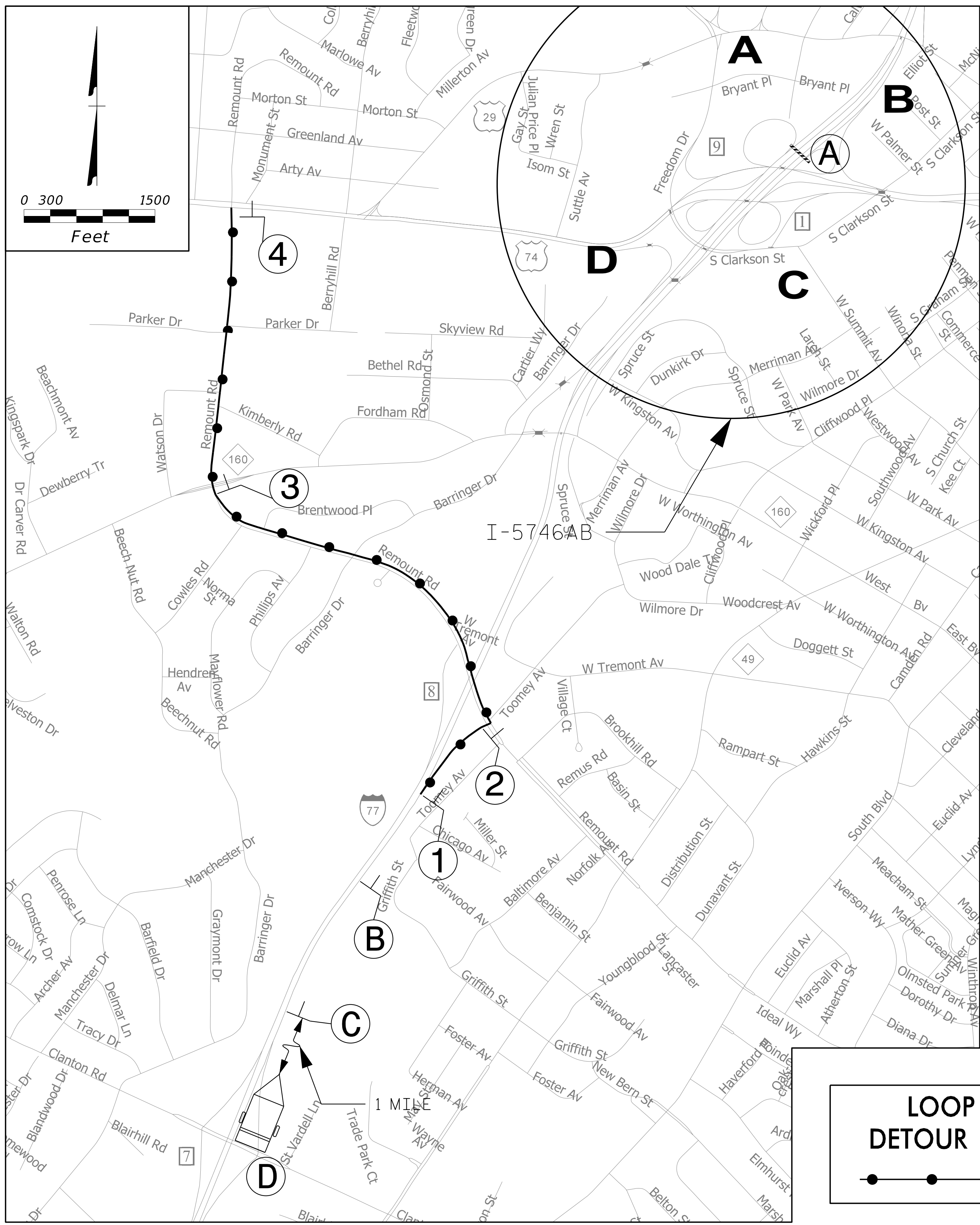
NOTES:

TRAFFIC CONTROL DEVICES ① THRU ⑤ AND ①A THRU ①D SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.



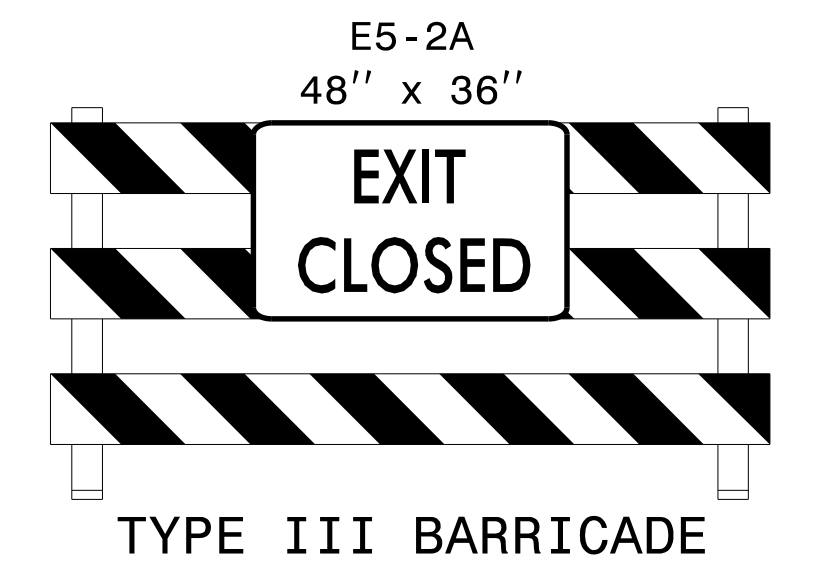
DocuSigned by: John P. Mazer 5/4/2017 		<p>OFFSITE DETOUR 8 SIGNING AND ROAD CLOSURE SIGNING</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		

5/3/2017
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 User:TKU

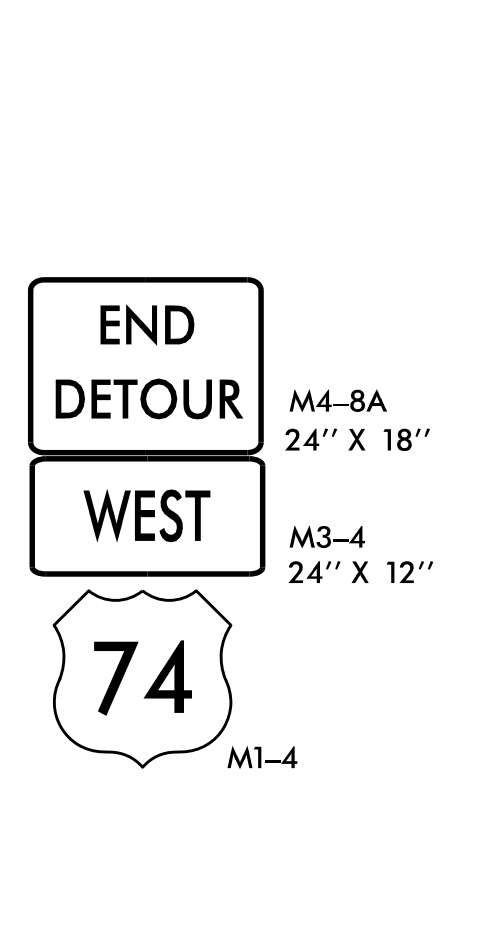
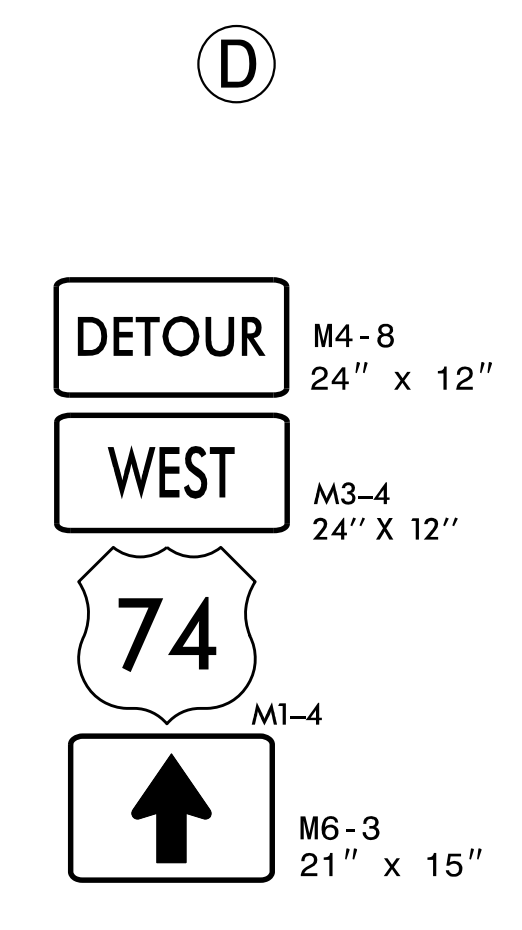
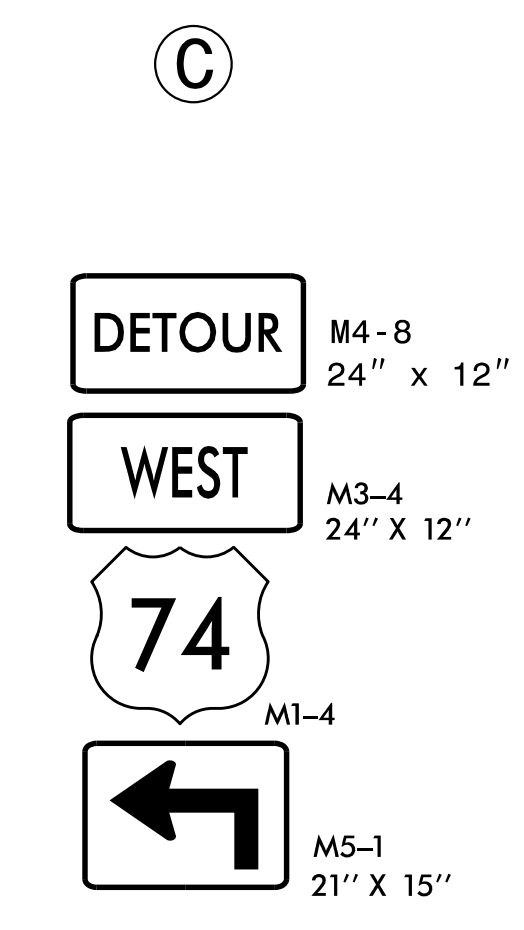
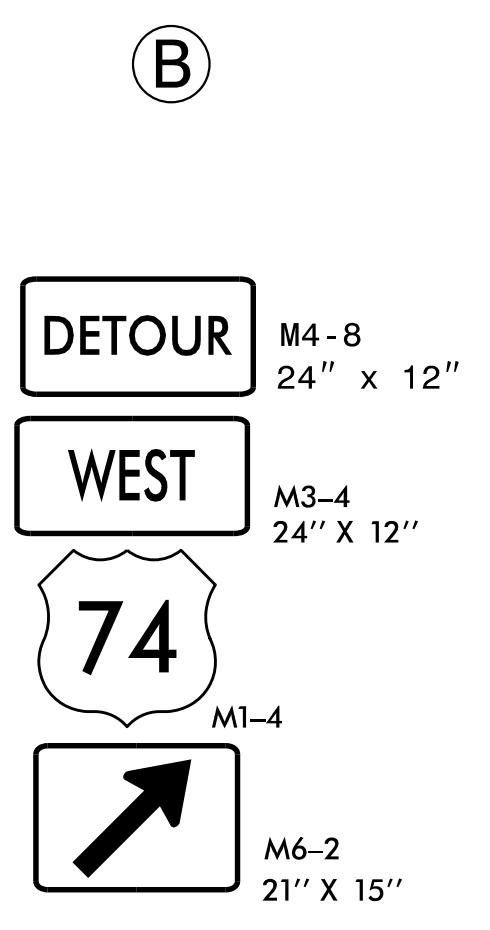
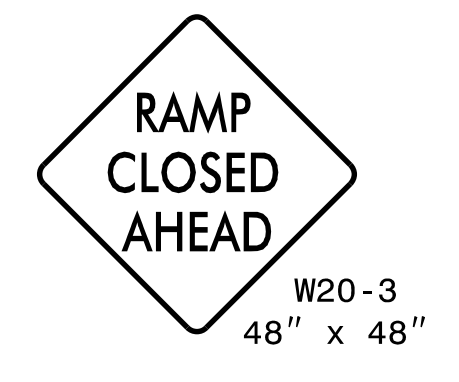
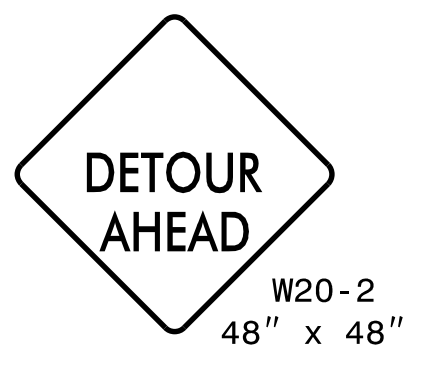


INTERCHANGE QUADRANT DESIGNATIONS:

- A** - NORTH-WEST QUADRANT
- B** - NORTH-EAST QUADRANT
- C** - SOUTH-EAST QUADRANT
- D** - SOUTH-WEST QUADRANT



MESSAGE NO. 1	MESSAGE NO. 2
EXIT 9C CLOSED AHEAD	FOLLOW EXIT 8 DETOUR
CHANGEABLE MESSAGE SIGN	

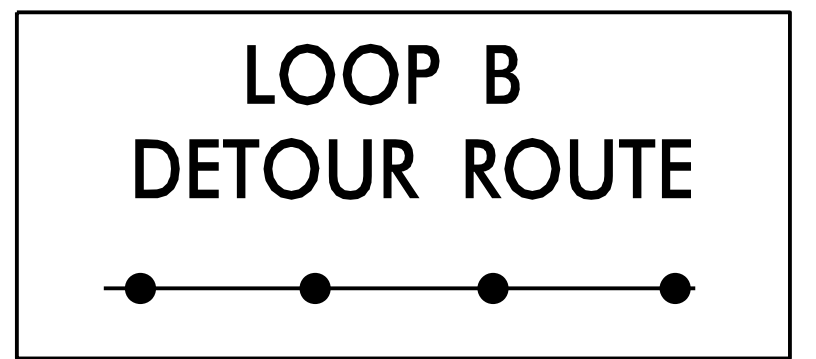


DETOUR DESCRIPTION:

I-77 NB EXIT 8 TO REMOUNT RD. TO US 74 WB

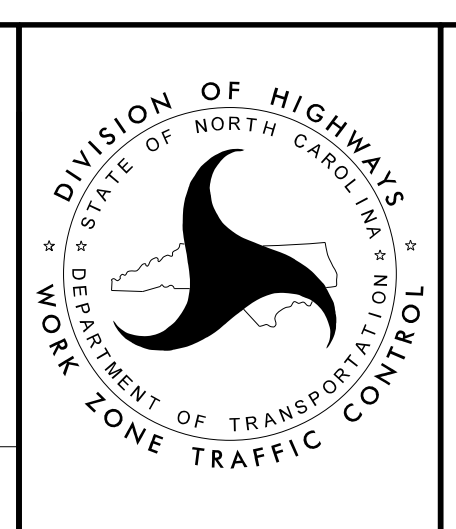
NOTES:

TRAFFIC CONTROL DEVICES ① THRU ④ AND ① THRU ④ SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.



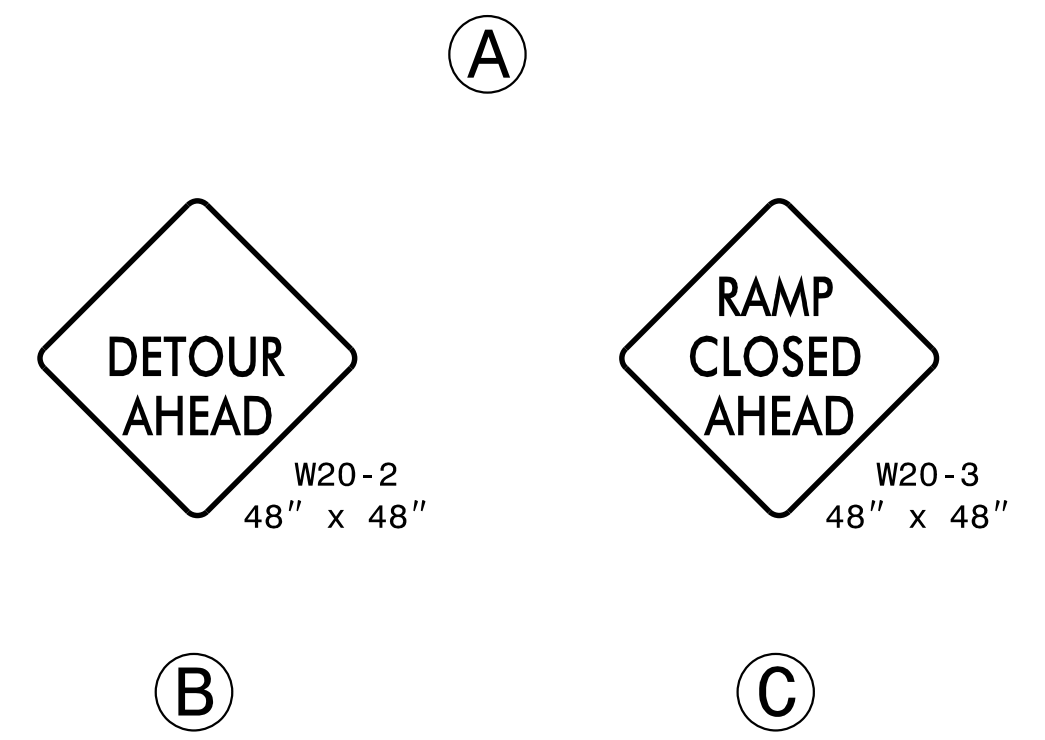
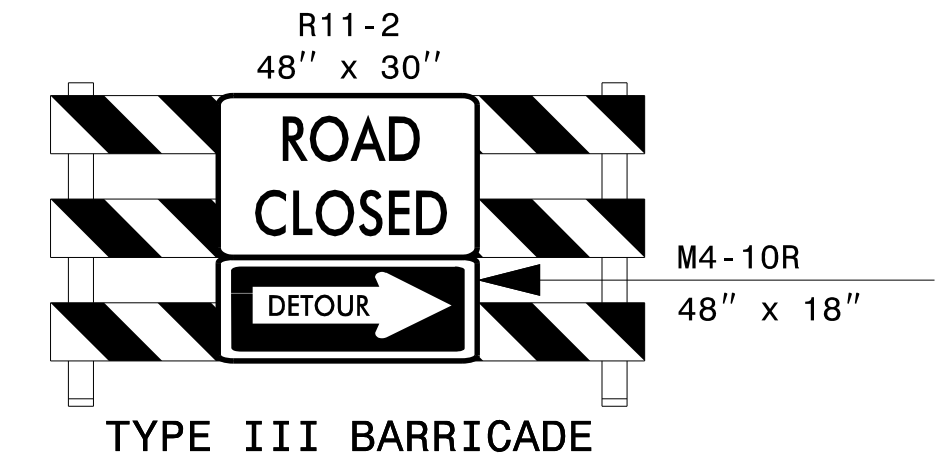
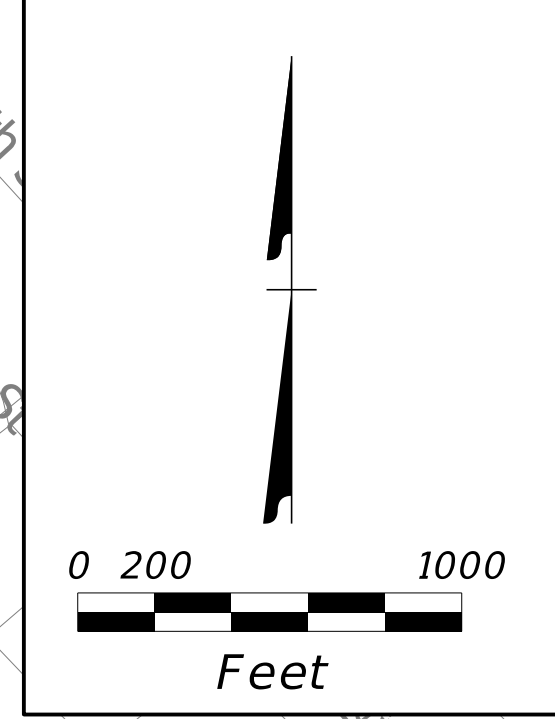
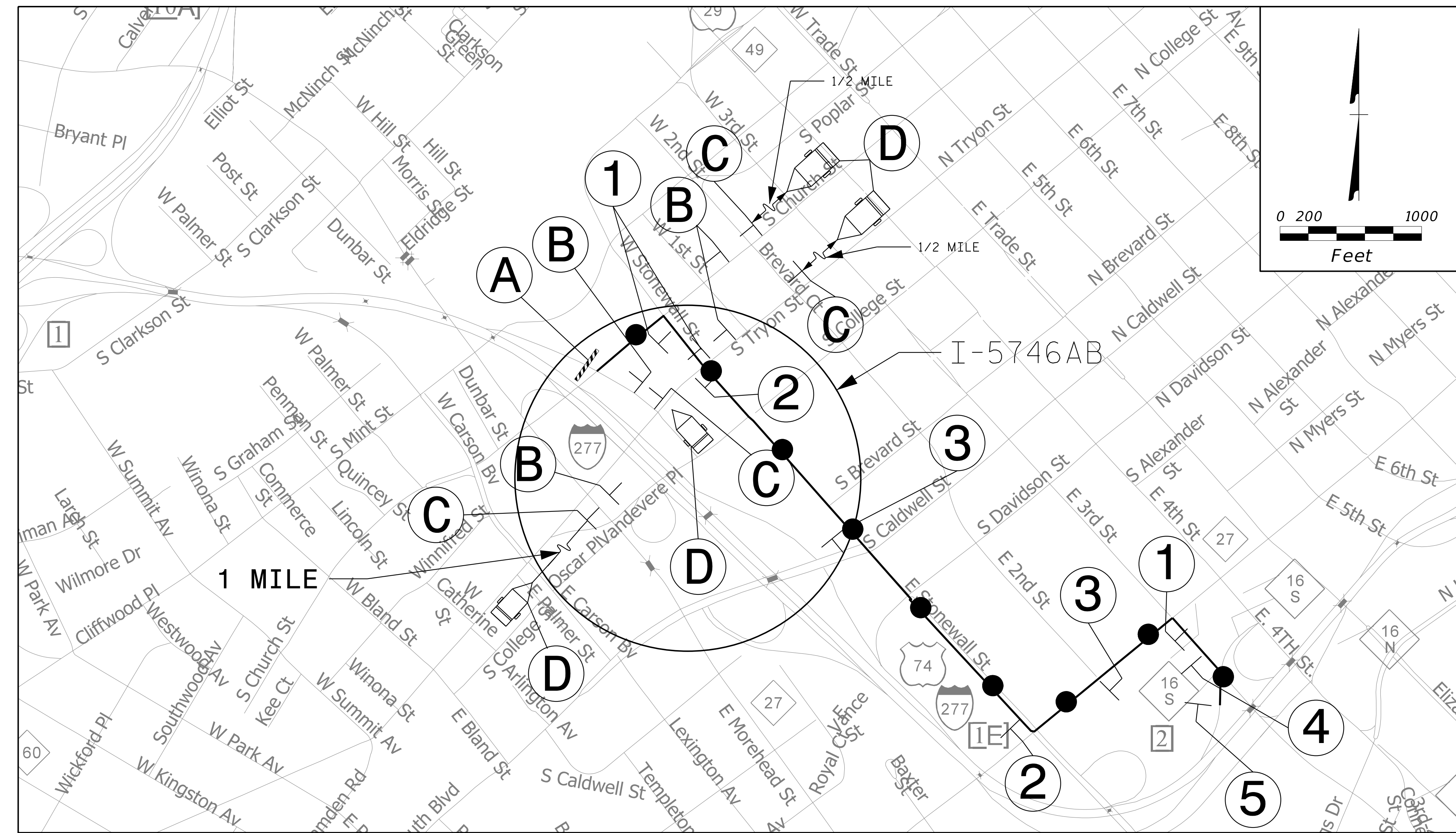
DocuSigned by:
 John P. Mazeres
 5/4/2017

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



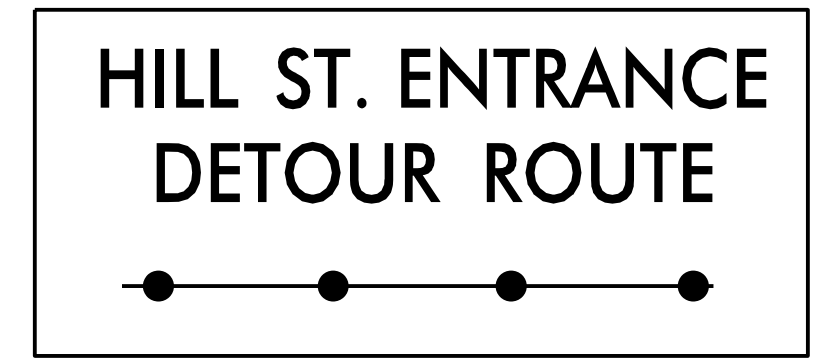
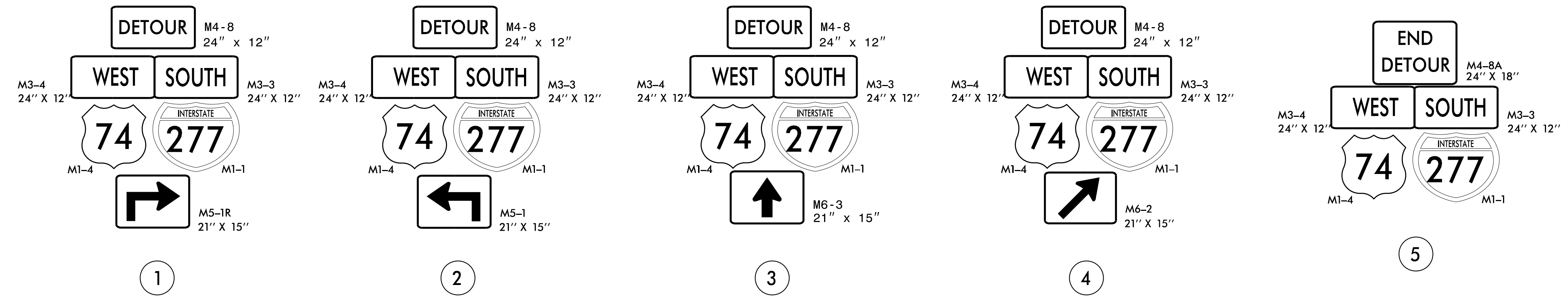
**OFFSITE DETOUR 10
SIGNING AND ROAD
CLOSURE SIGNING**

5/31/2017
 Z:\Raleigh\Production\TIP I-5746AB\TrafficControl\I-5746AB_TMP17_OFFSITE DETOUR 10.dgn
 User:TKU



MESSAGE NO. 1	MESSAGE NO. 2
I-277 SB ON RAMP CLOSED	FOLLOW I-277 SB DETOUR

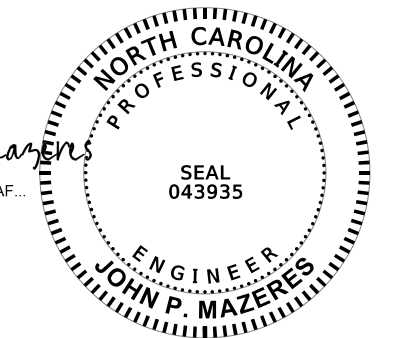
CHANGEABLE MESSAGE SIGN



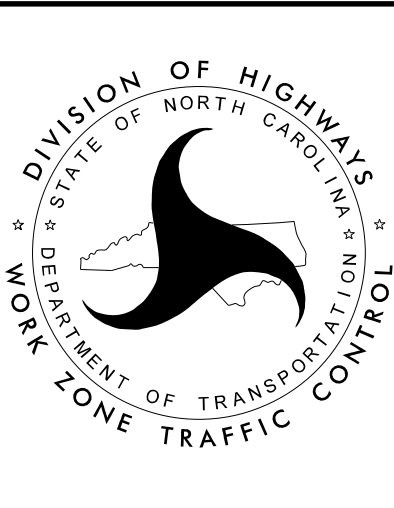
DETOUR DESCRIPTION:
 S. CHURCH ST. TO W. STONEWALL ST. TO S. MCDOWELL ST./NC27 TO E. THIRD ST./NC16 TO I-277 SB ENTRANCE RAMP

NOTES:
 TRAFFIC CONTROL DEVICES ① THRU ⑤ AND ①A THRU ①D SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.

DocuSigned by:
 John P. Mazeres
 5/4/2017

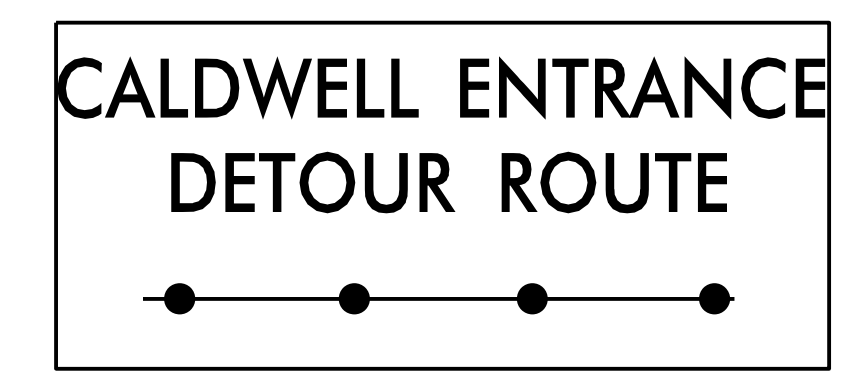
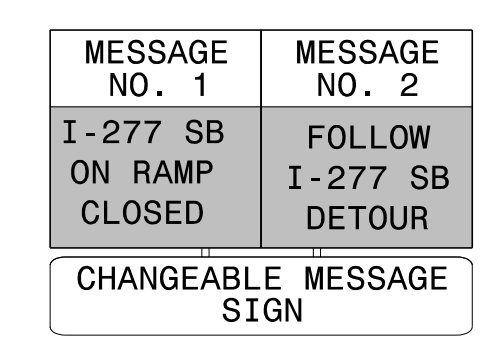
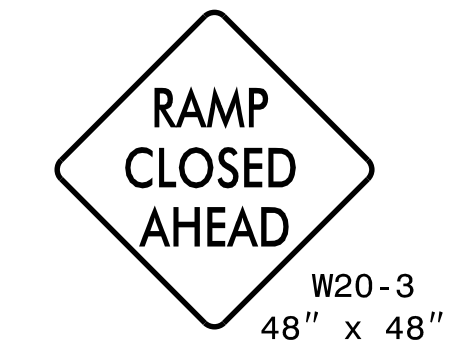
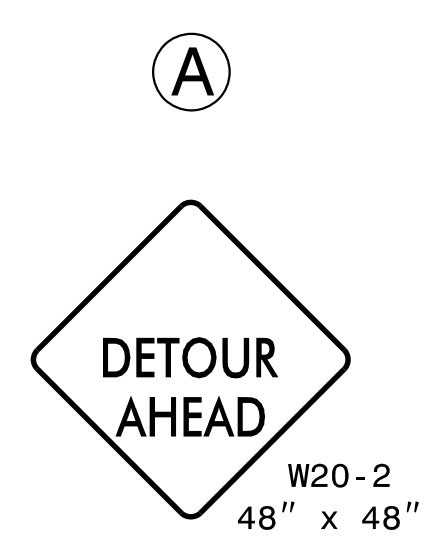
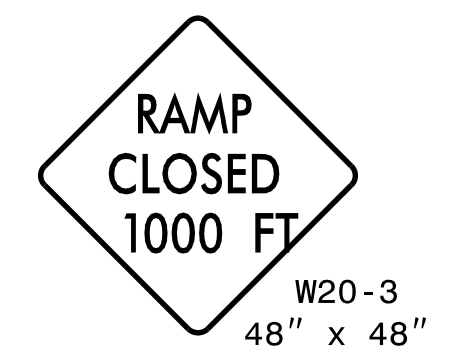
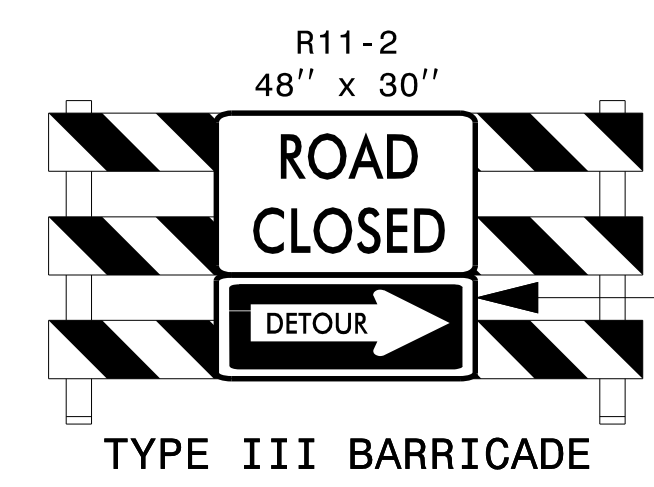
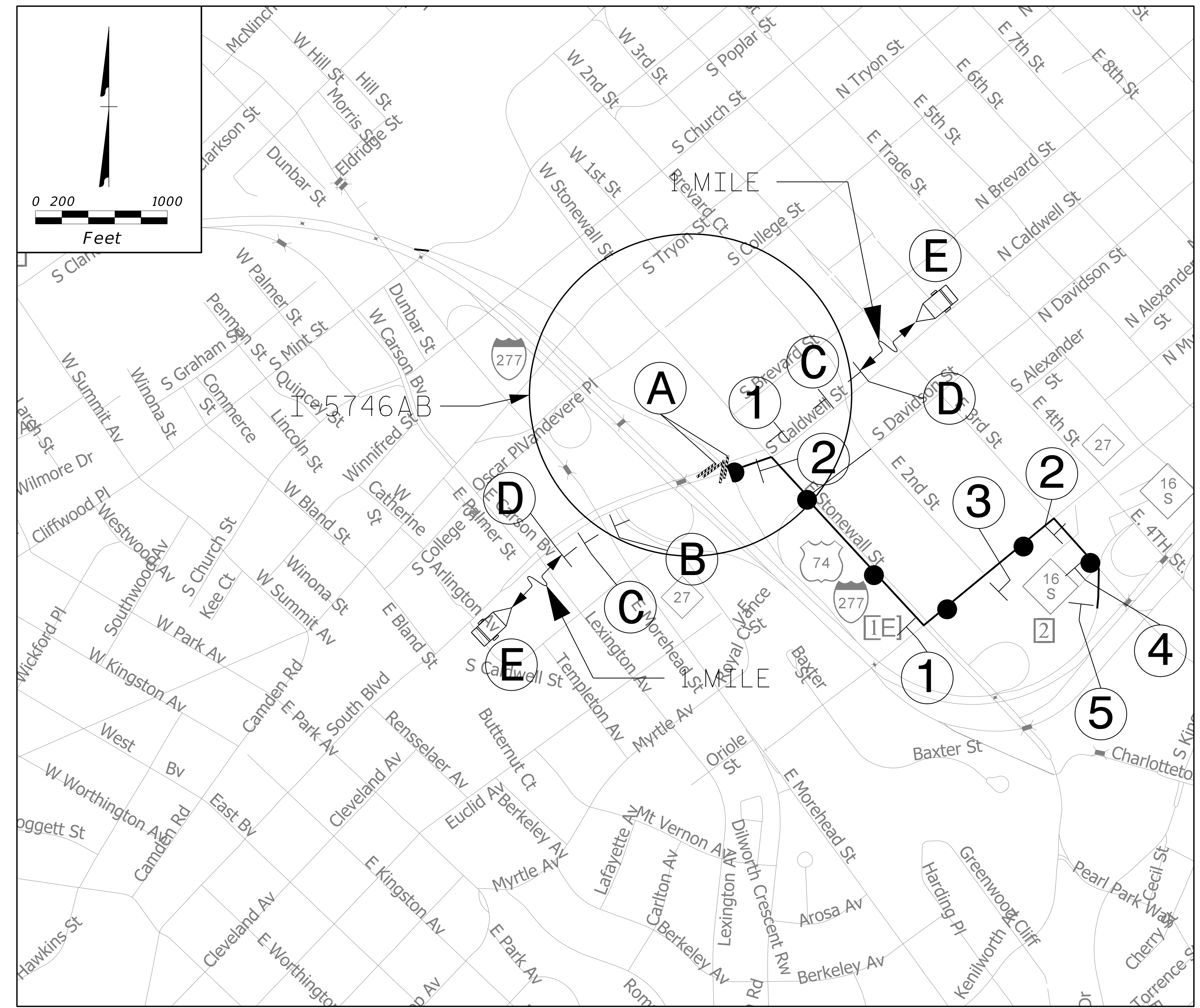
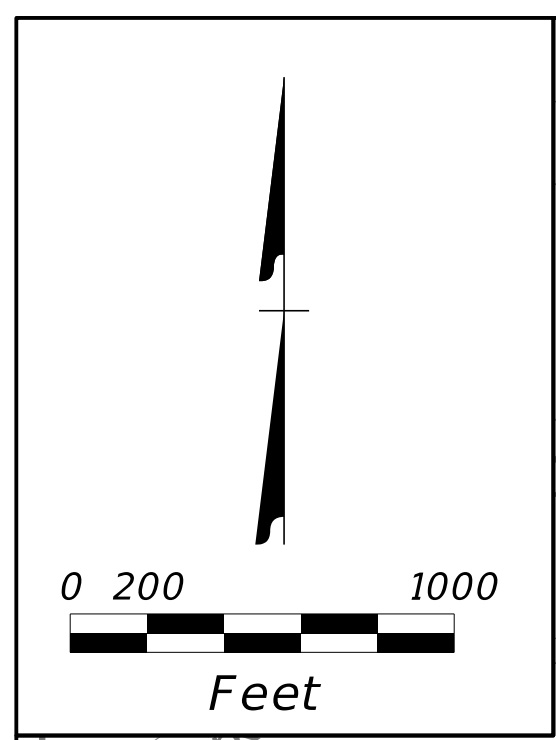


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



OFFSITE DETOUR 12 SIGNING AND ROAD CLOSURE SIGNING

5/3/2017
 Z:\Raleigh\Production\TIP I-5746AB\TrafficControl\TIP\I-5746AB_TMP19_OFFSITE DETOUR 12.dgn
 User:TKU

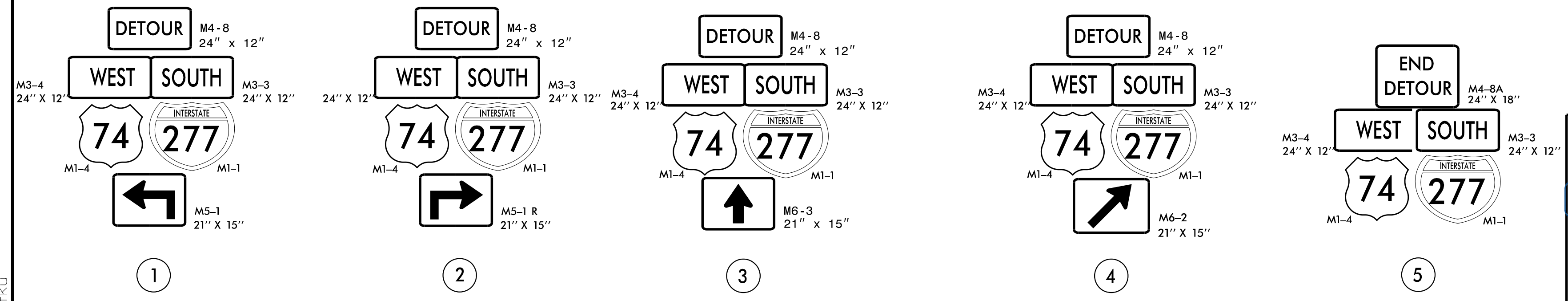


DETOUR DESCRIPTION:

S. CALDWELL ST. TO E. STONEWALL ST. TO S. MCDOWELL ST./NC27 TO E. THIRD ST./NC16 TO I-277 SB ENTRANCE RAMP

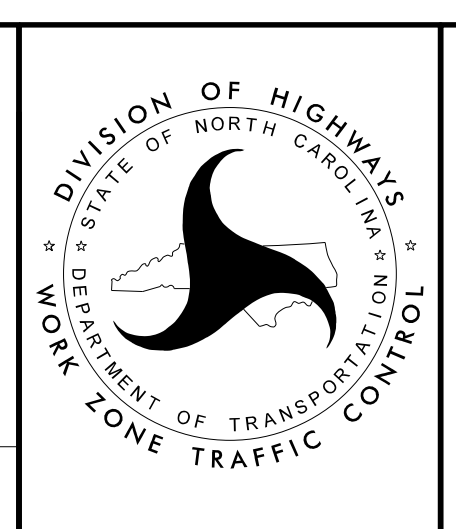
NOTES:

TRAFFIC CONTROL DEVICES ① THRU ⑤ AND ①A THRU ①E SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.



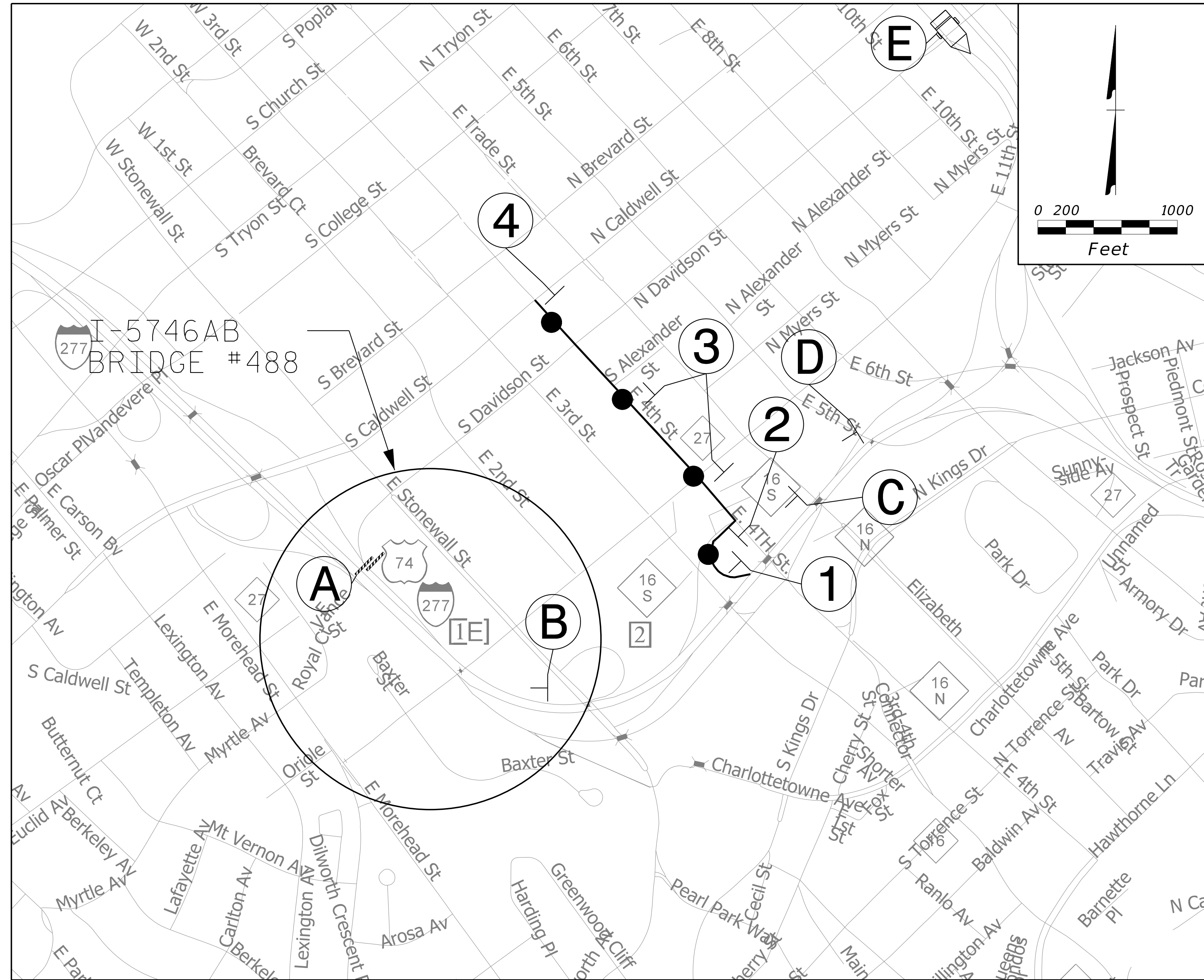
DocuSigned by:
 John P. Mazeres
 5/4/2017

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

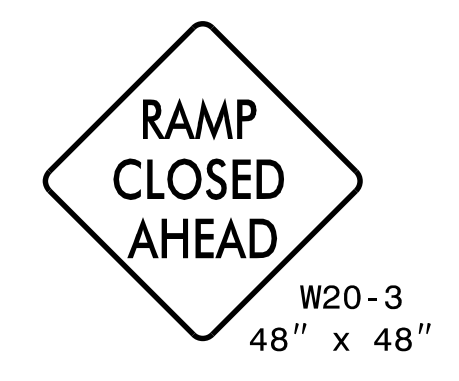
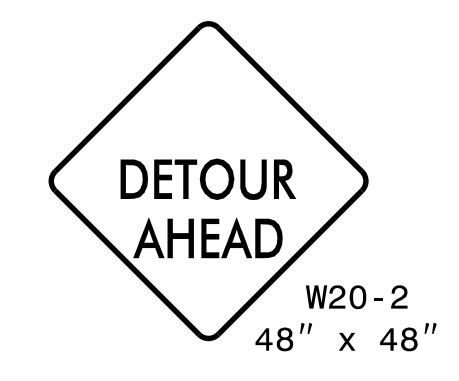
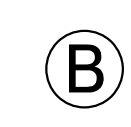
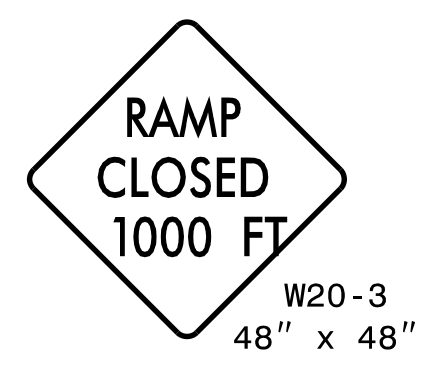
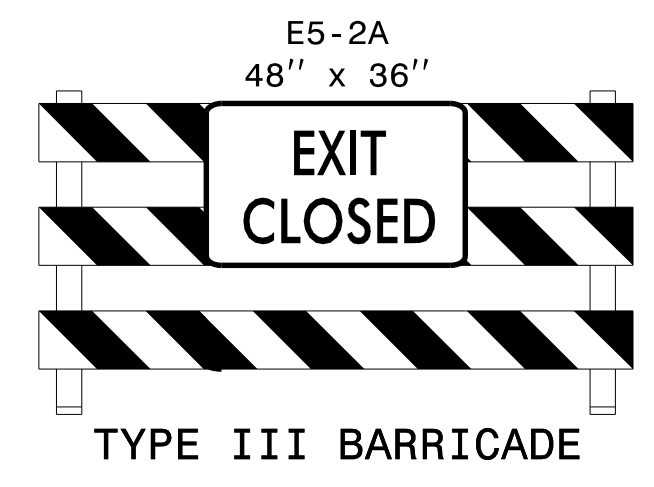


**OFFSITE DETOUR 14
SIGNING AND ROAD
CLOSURE SIGNING**

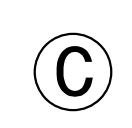
5/3/2017
 Z:\Raleigh\Production\TIP I-5746AB\TrafficControl\I-5746AB_TMP21.OFFSITE DETOUR 14.dgn
 User:TKU



CALDWELL ST. DETOUR ROUTE



MESSAGE NO. 1	MESSAGE NO. 2
EXIT 1E CLOSED AHEAD	FOLLOW EXIT 2A DETOUR
CHANGEABLE MESSAGE SIGN	

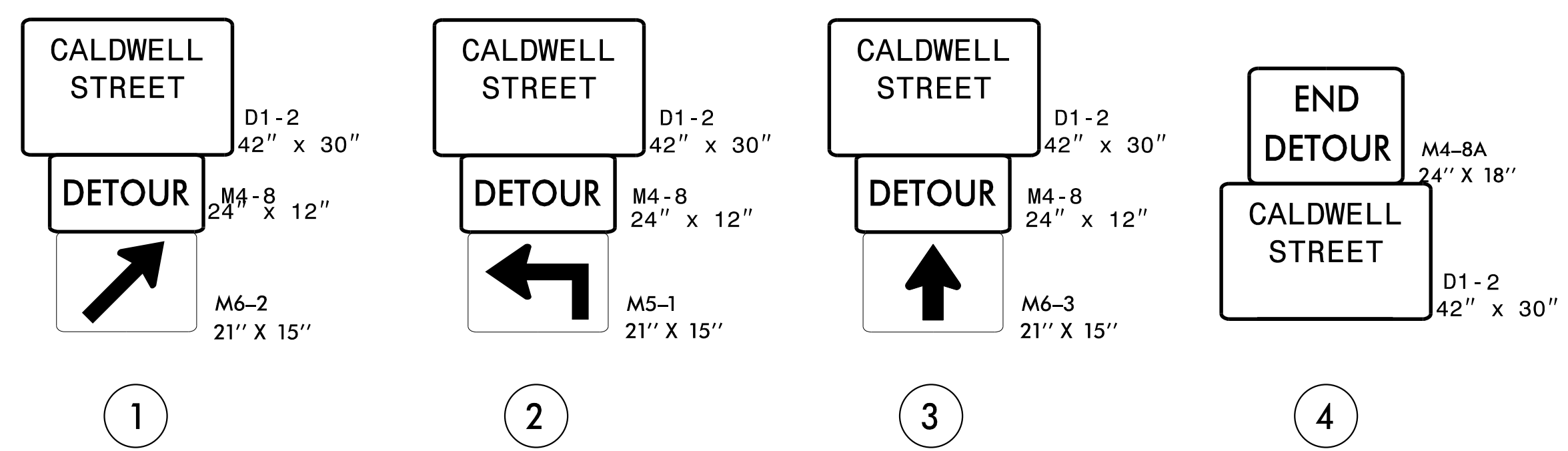


DETOUR DESCRIPTION:

I-277 SB EXIT 2A TO E. FOURTH ST./NC16 TO ST. TO S. CALDWELL ST.

NOTES:

- TRAFFIC CONTROL DEVICES ① THRU ④ AND ① A THRU ① E SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.
- FOR DETOUR DESTINATION SIGNS, SEE SIGN DETAIL SHEETS.



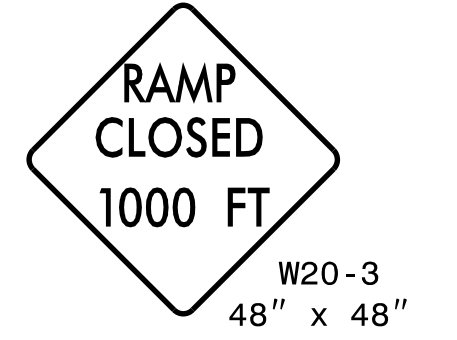
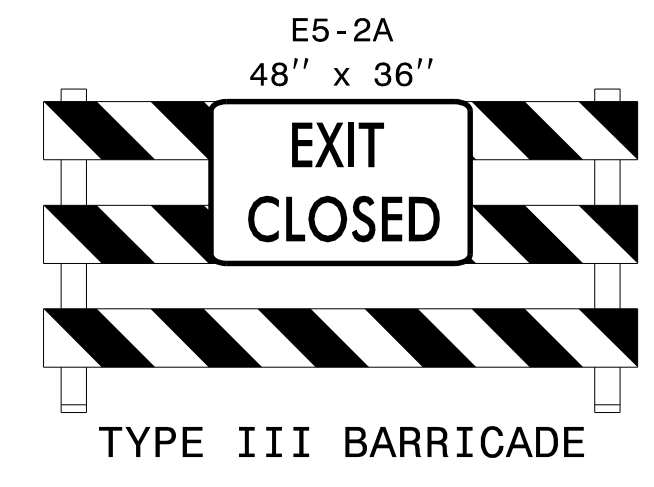
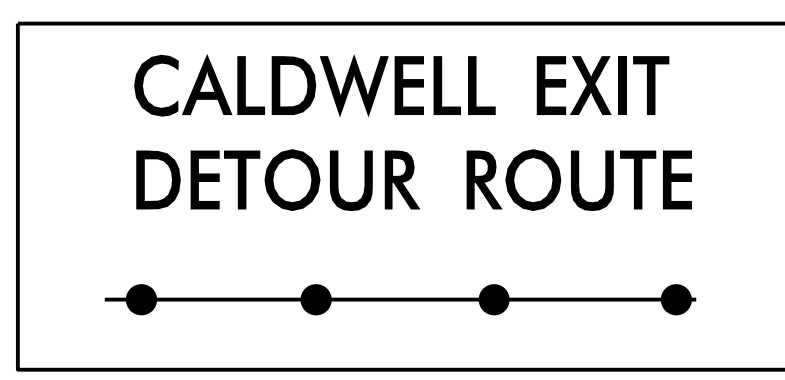
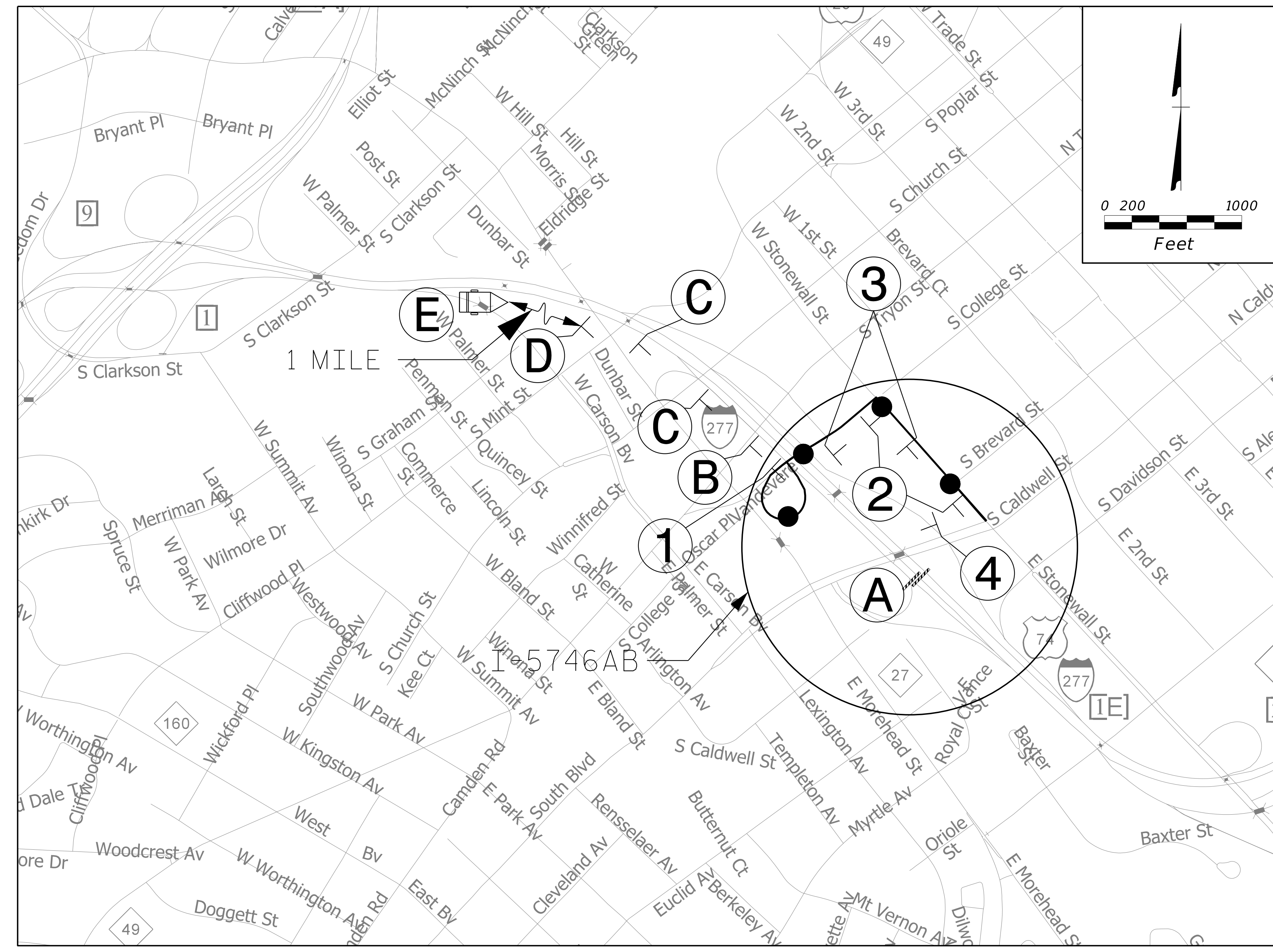
DocuSigned by:
John P. Mazeres
5/4/2017

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

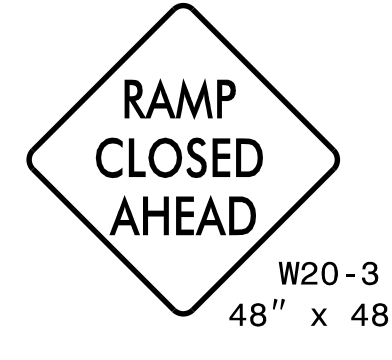
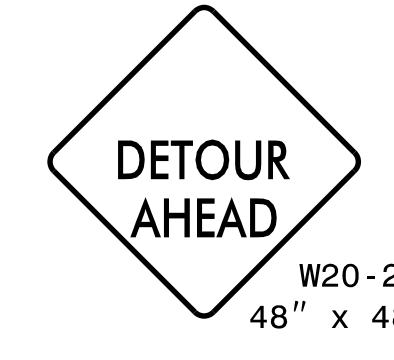
OFFSITE DETOUR 16 SIGNING AND ROAD CLOSURE SIGNING

5/3/2017 Z:\Raleigh\Production\TIP I-5746AB\TrafficControl\TrafficControl\TIP23_OFFSITE_DETOUR_16.dgn User:TKU



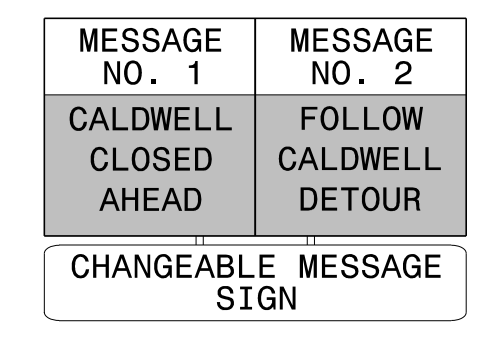
(A)

(B)



(C)

(D)



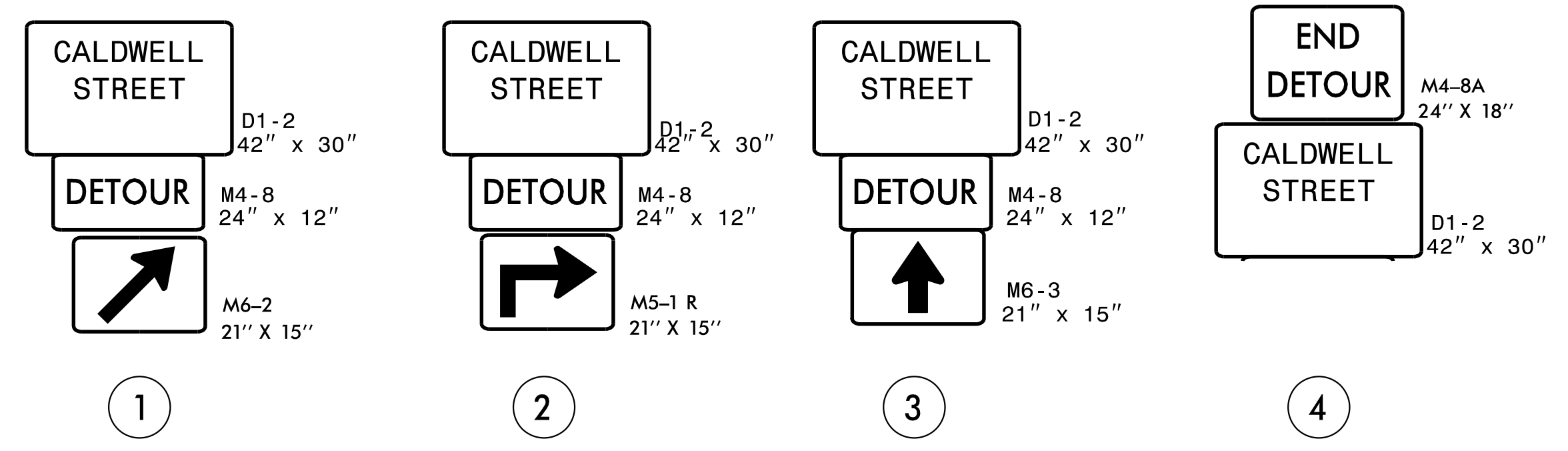
(E)

DETOUR DESCRIPTION:

I-277 NB EXIT 1E, FRONTAGE ROAD TO S. COLLEGE ST.
TO E. STONEWALL ST. TO S. CALDWELL ST.

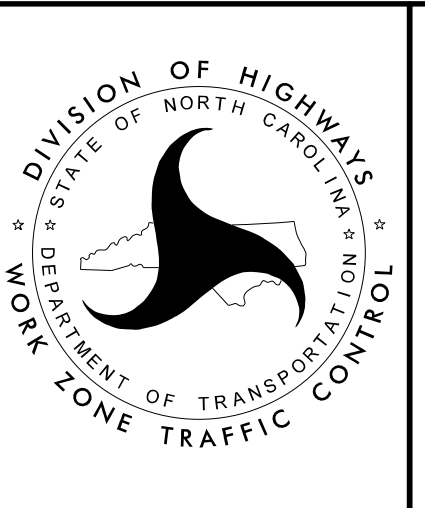
NOTES:

- TRAFFIC CONTROL DEVICES ① THRU ④ AND ①A THRU ①D SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.
- FOR DETOUR DESTINATION SIGNS, SEE SIGN DETAIL SHEETS.



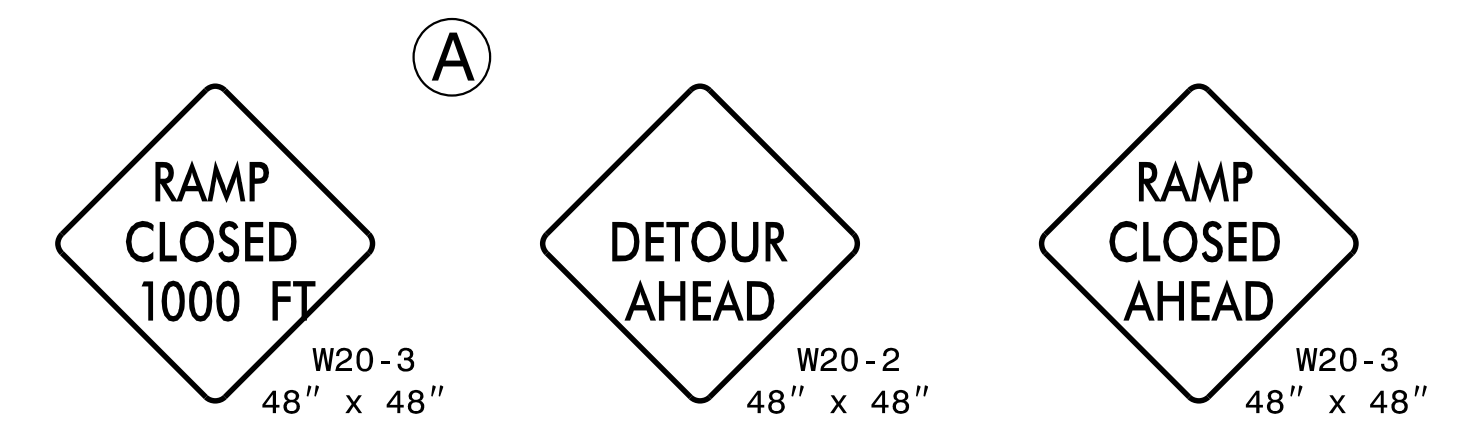
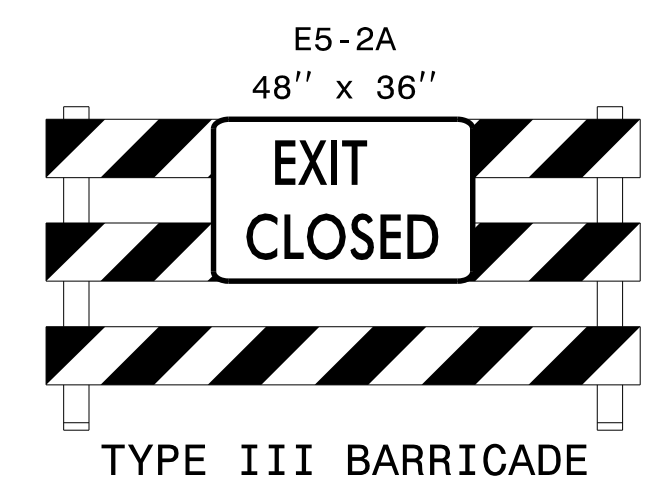
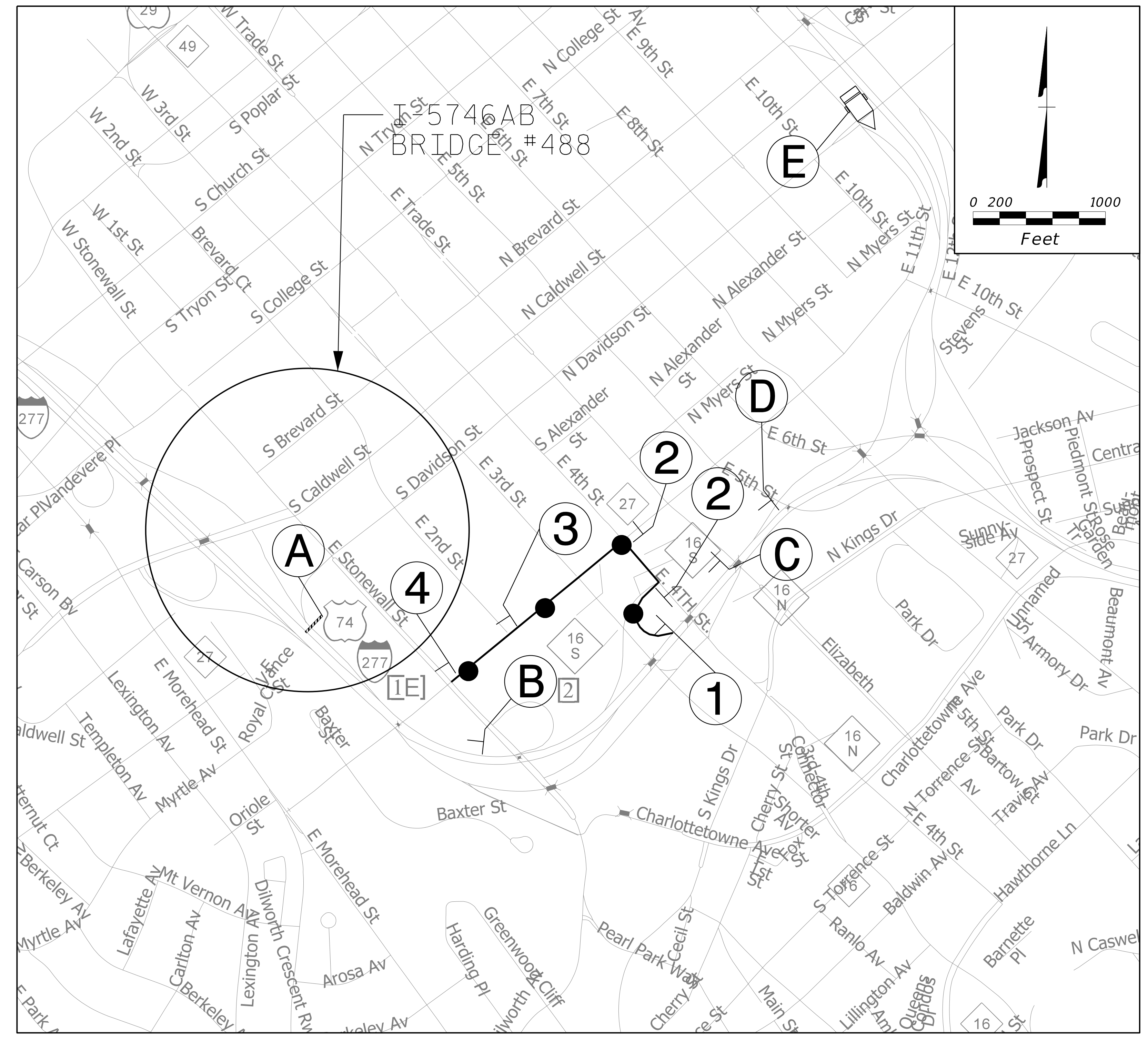
DocuSigned by:
John P. Mazeres
5/4/2017

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

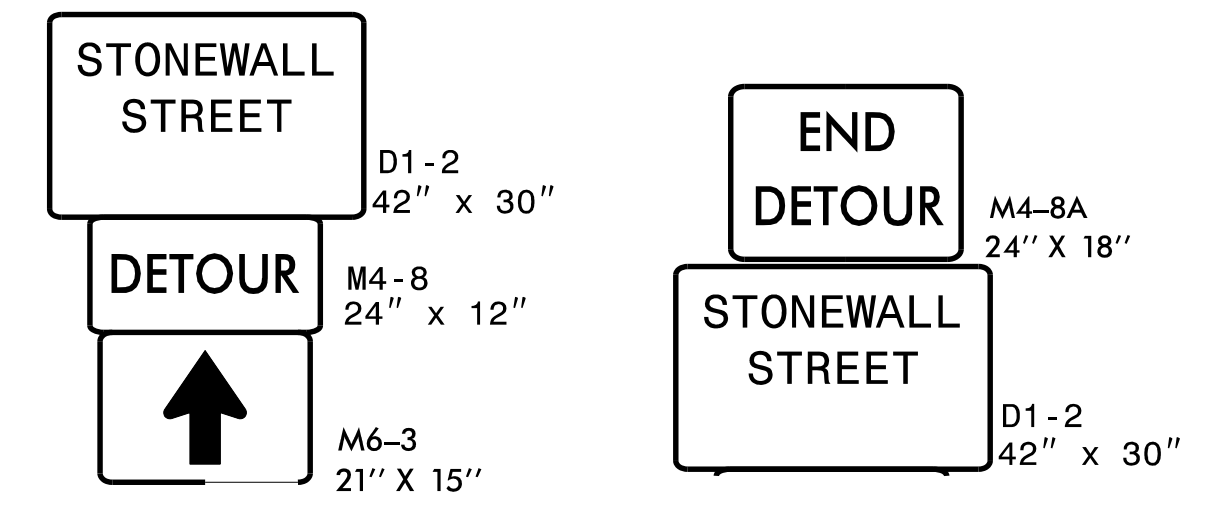
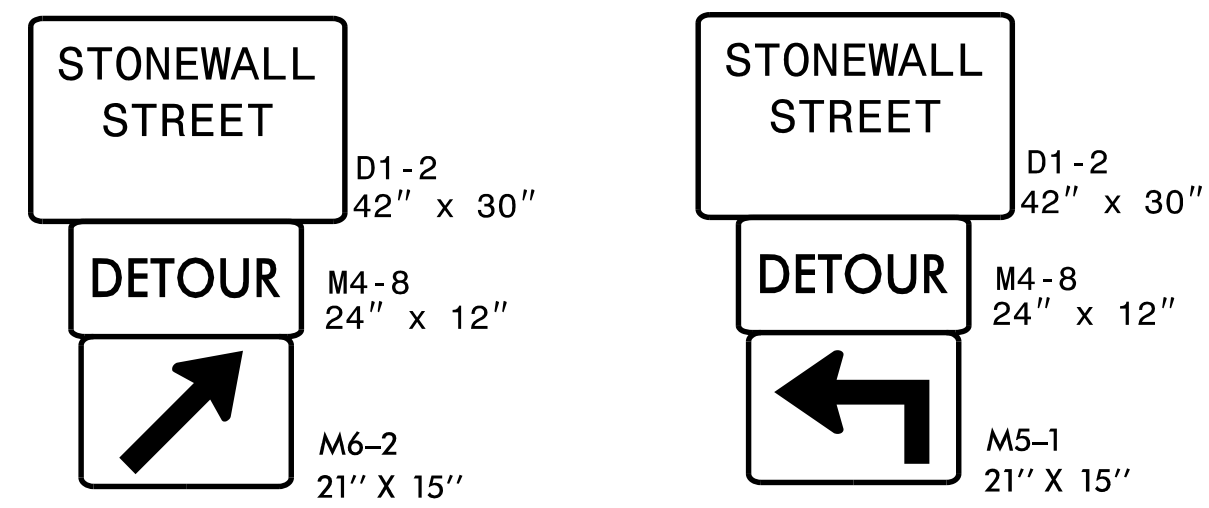


**OFFSITE DETOUR 17
SIGNING AND ROAD
CLOSURE SIGNING**

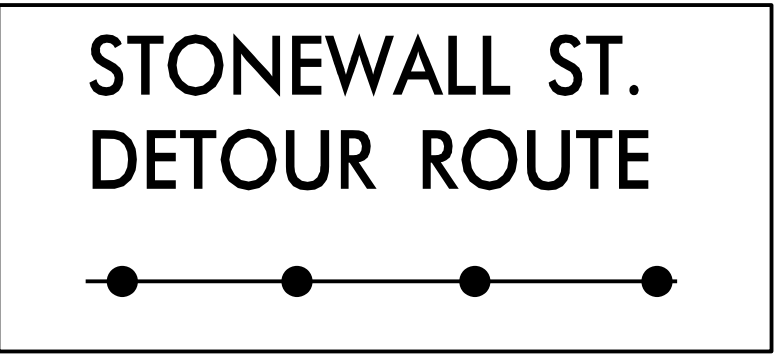
5/3/2017
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 User:TKU



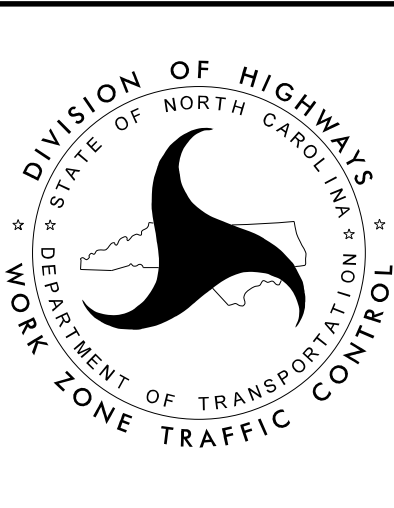
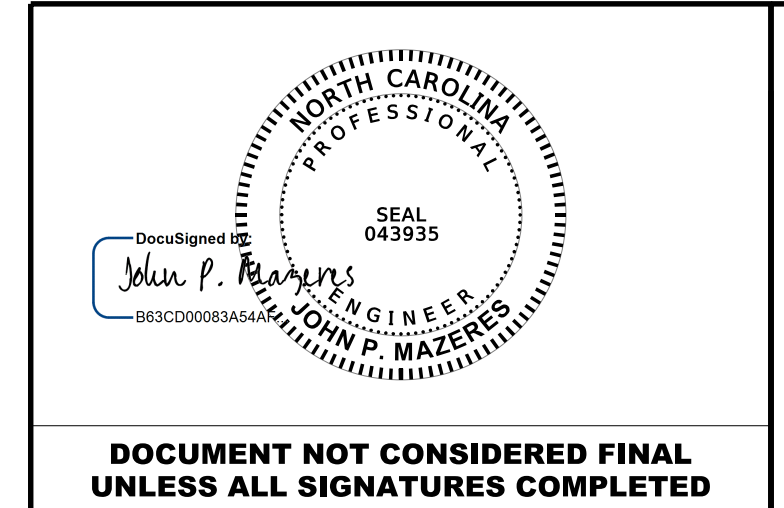
MESSAGE NO. 1	MESSAGE NO. 2
EXIT 1E CLOSED AHEAD	FOLLOW EXIT 2A DETOUR
CHANGEABLE MESSAGE SIGN	



DETOUR DESCRIPTION:
 I-277 SB EXIT 2A TO E. 4TH ST./NC16 TO S. MCDOWELL ST./NC27 TO E. STONEWALL ST.



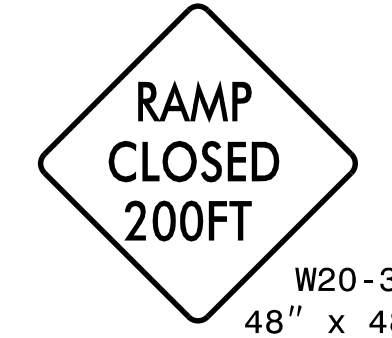
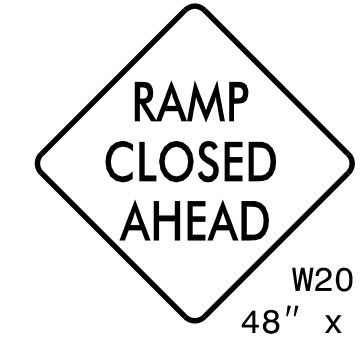
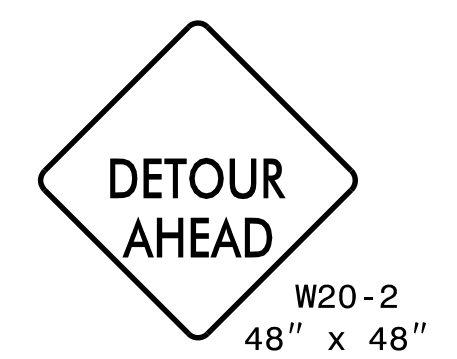
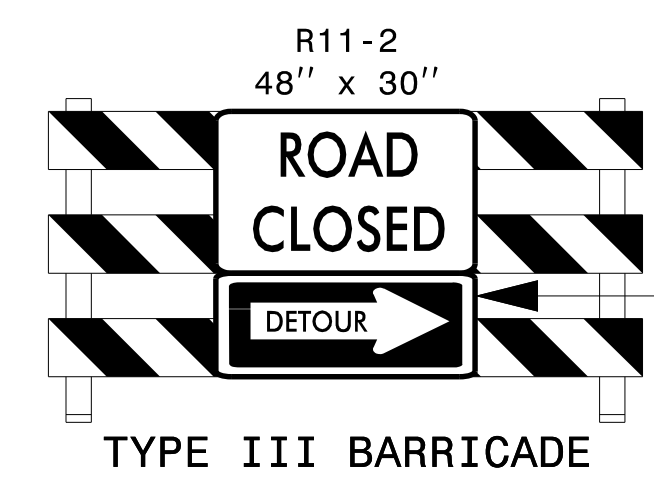
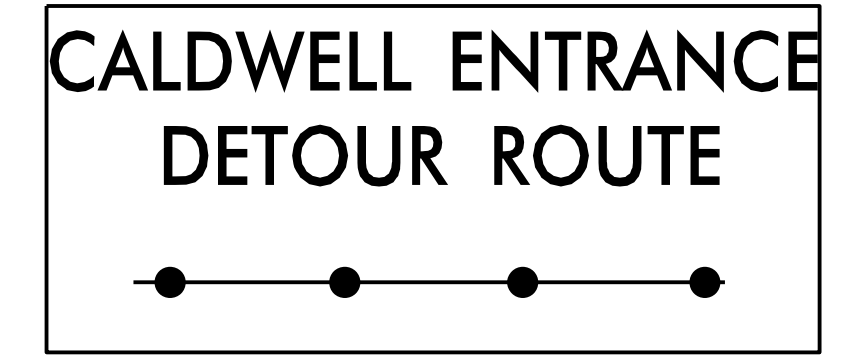
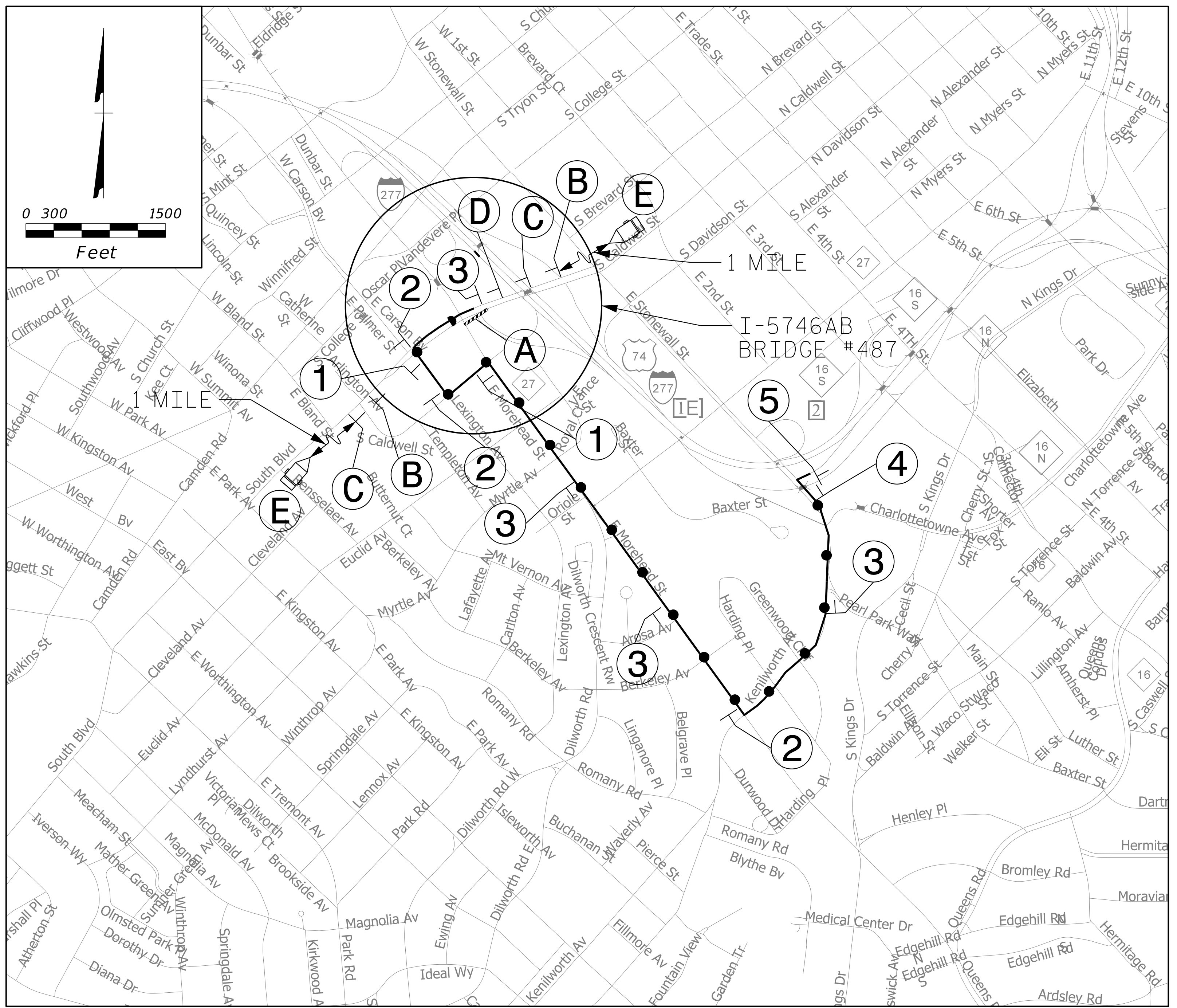
- NOTES:**
- TRAFFIC CONTROL DEVICES ① THRU ④ AND ①A THRU ①E SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.
 - FOR DETOUR DESTINATION SIGNS, SEE SIGN DETAIL SHEETS.



**OFFSITE DETOUR 18
 SIGNING AND ROAD
 CLOSURE SIGNING**

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

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 Z:\Raleigh\Production\TIP I-5746AB\TrafficControl\I-5746AB_TMP25_OFFSITE_DETOUR_18.dgn
 User: jmazeres



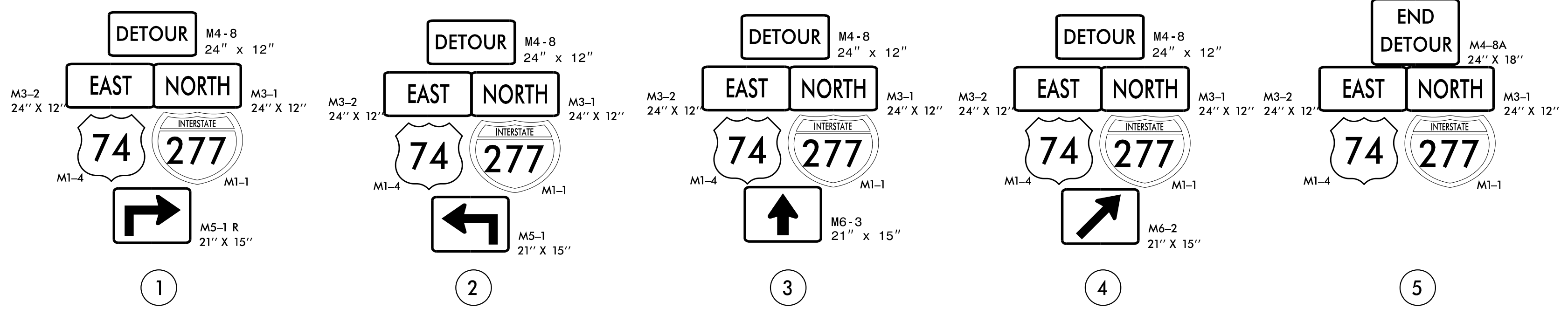
MESSAGE NO. 1	MESSAGE NO. 2
I-277 NB ON RAMP CLOSED	FOLLOW I-277 NB DETOUR
CHANGEABLE MESSAGE SIGN	

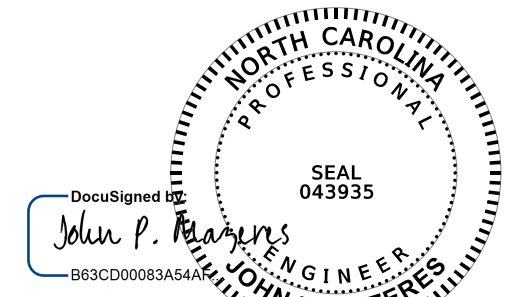
DETOUR DESCRIPTION:

SOUTH BLVD. TO LEXINGTON AVE. TO S. CALDWELL ST TO E. MOREHEAD ST/US29 TO KENILWORTH AVE. TO I-277 NB ENTRANCE RAMP

NOTES:

TRAFFIC CONTROL DEVICES ① THRU ⑤ AND ①A THRU ①E SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.

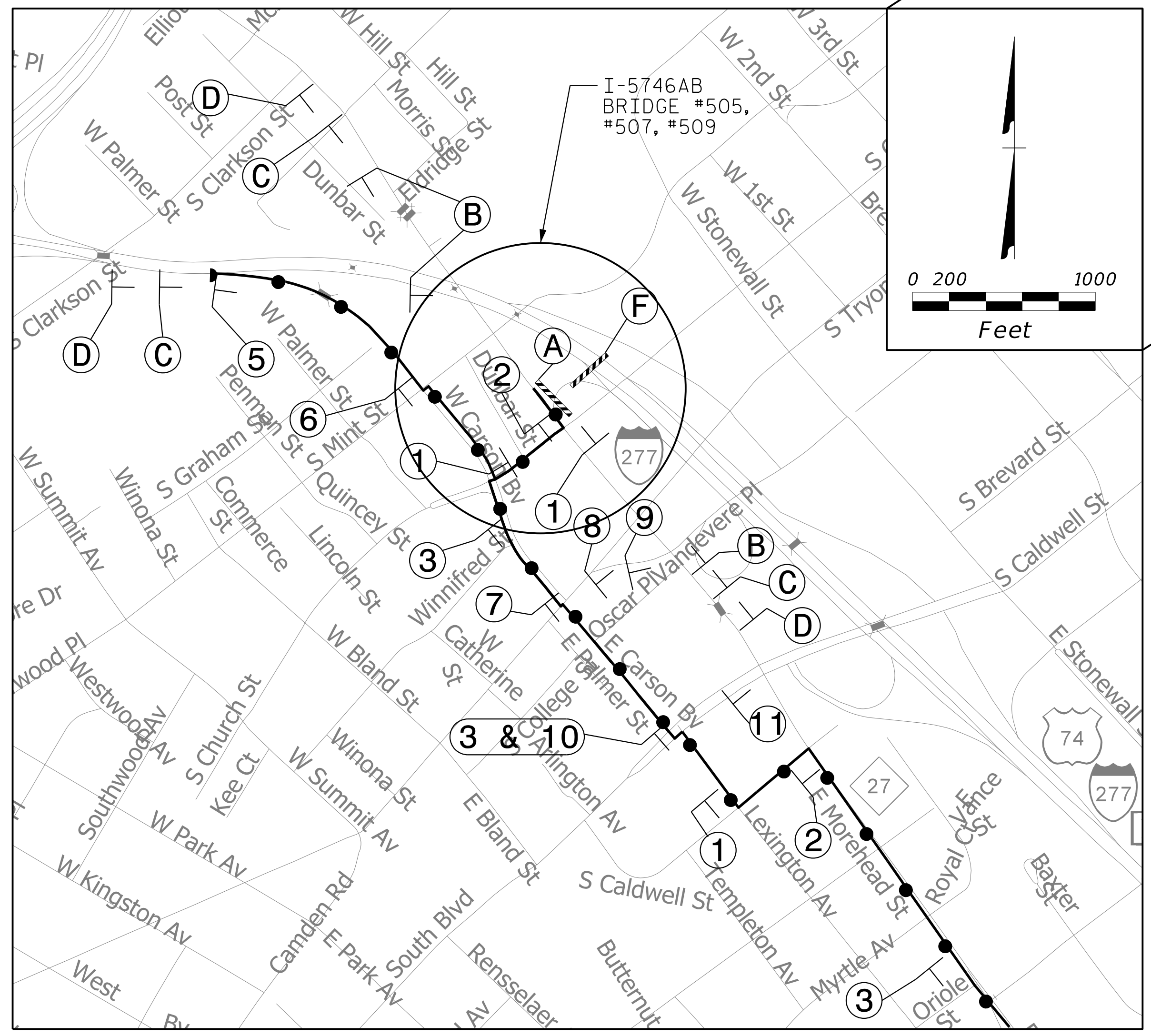
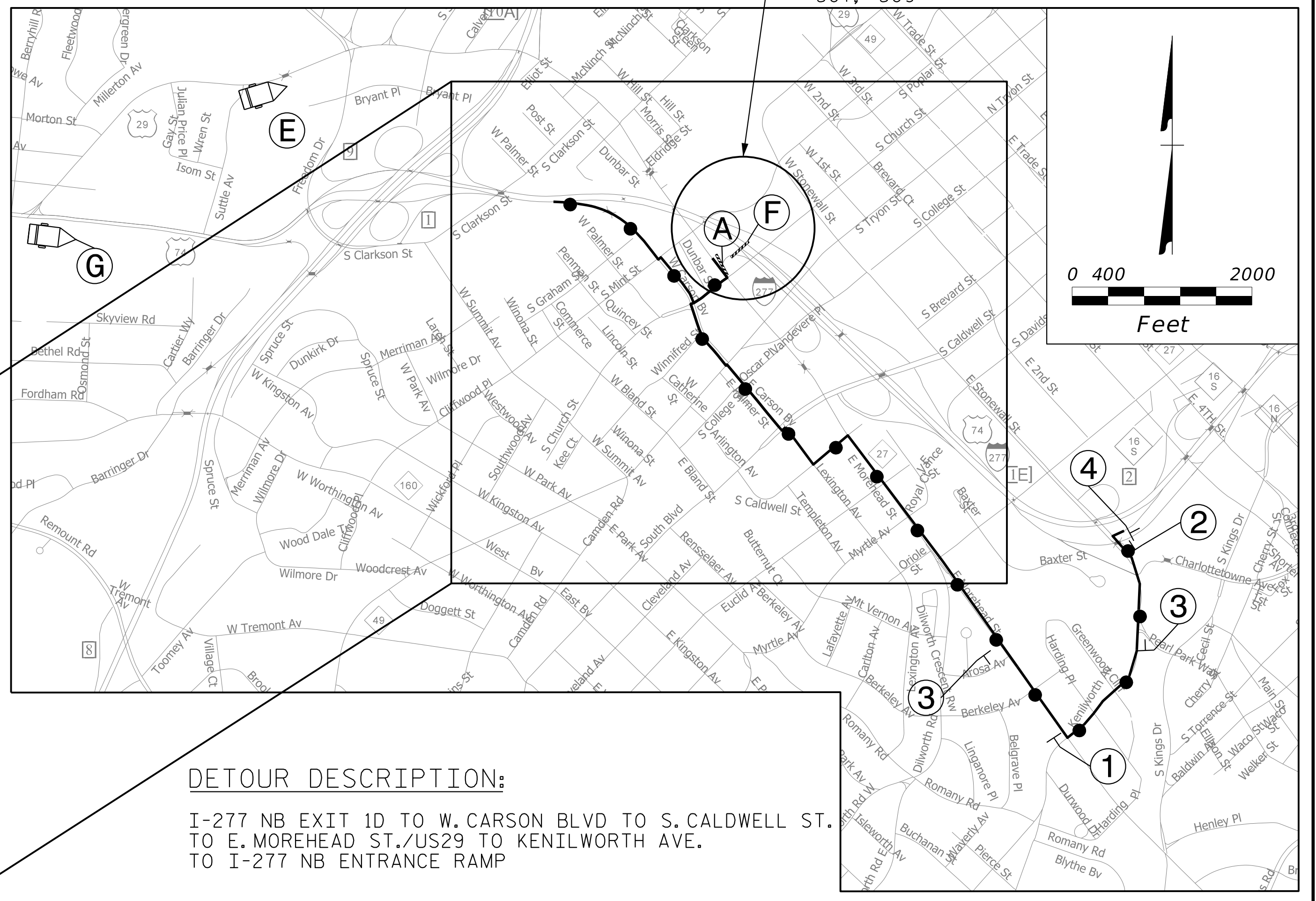
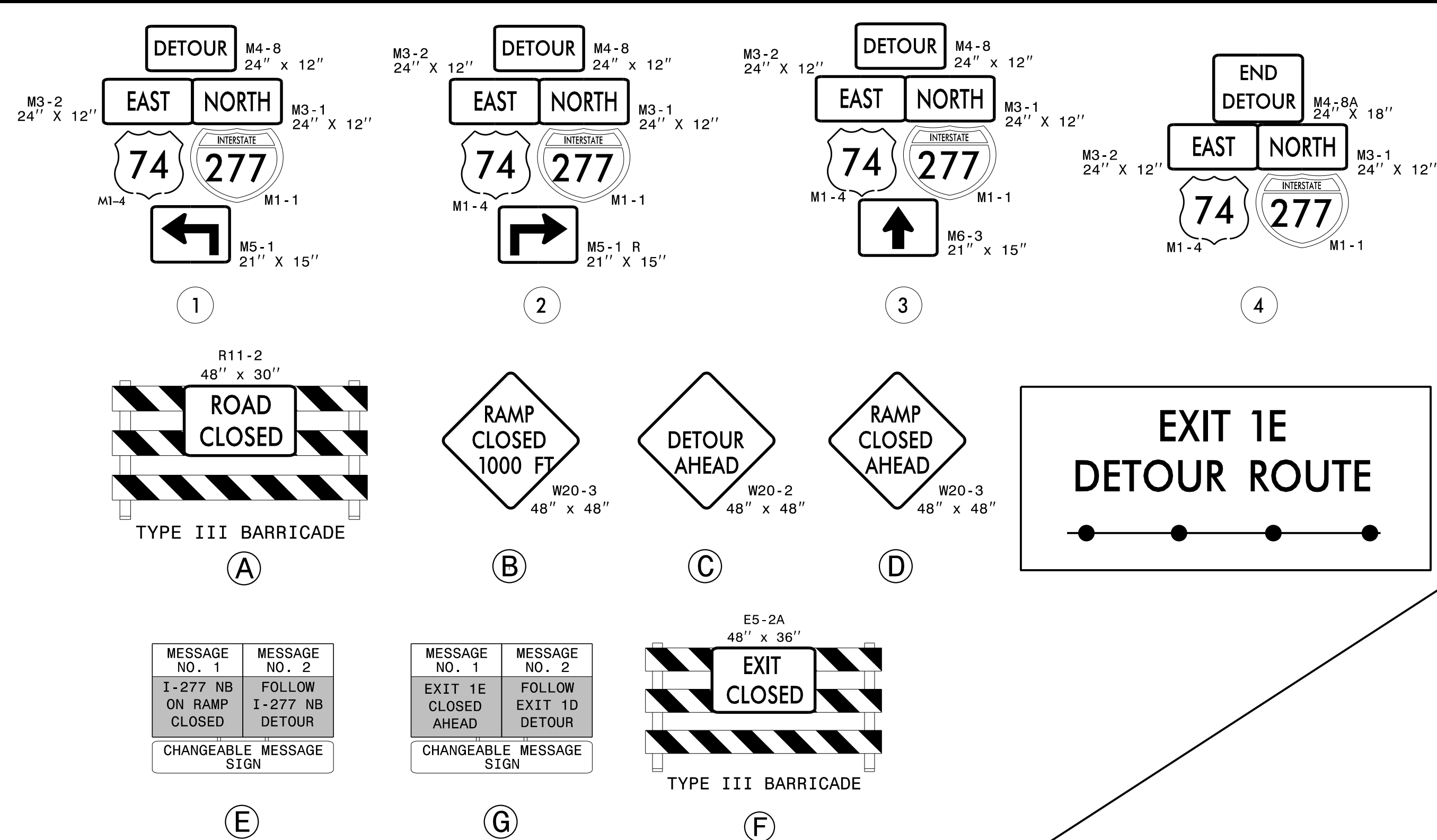


DocuSigned by:

 JOHN P. MAZERES
 ENGINEER
 043935

**OFFSITE DETOUR 19
SIGNING AND ROAD
CLOSURE SIGNING**

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

4/24/2017
 Z:\Raleigh\Production\TIP I-5746AB\TrafficControl\I-5746AB_TMP26_OFFSITE DETOUR 19.dgn
 User: jmazeres

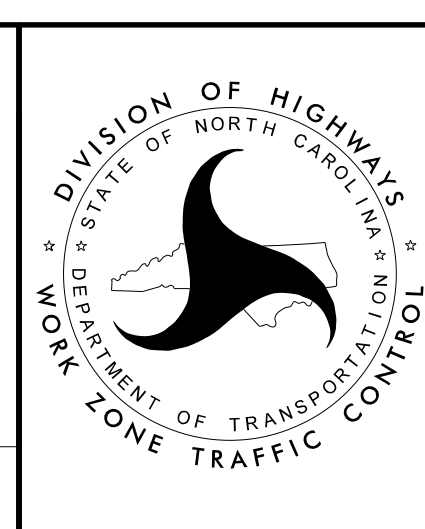
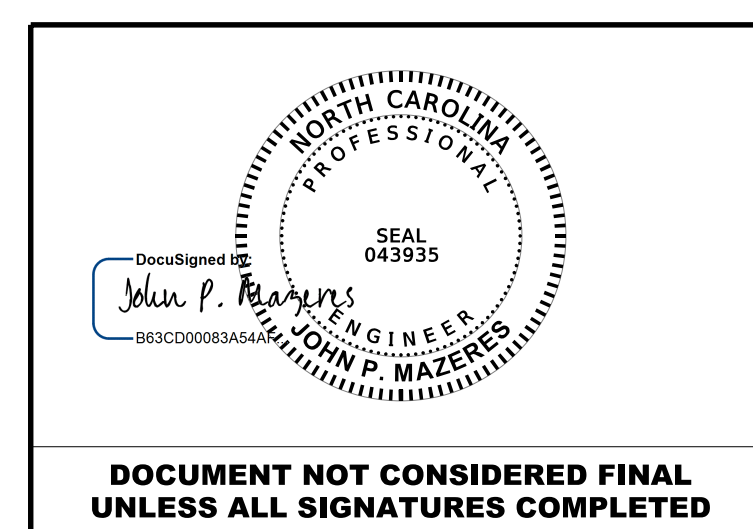
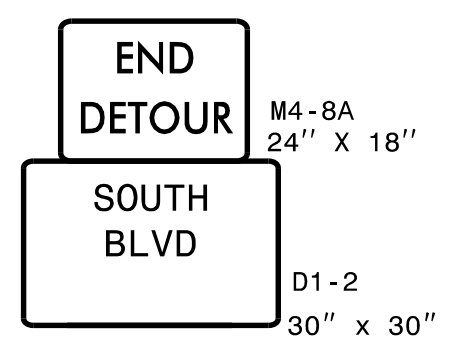
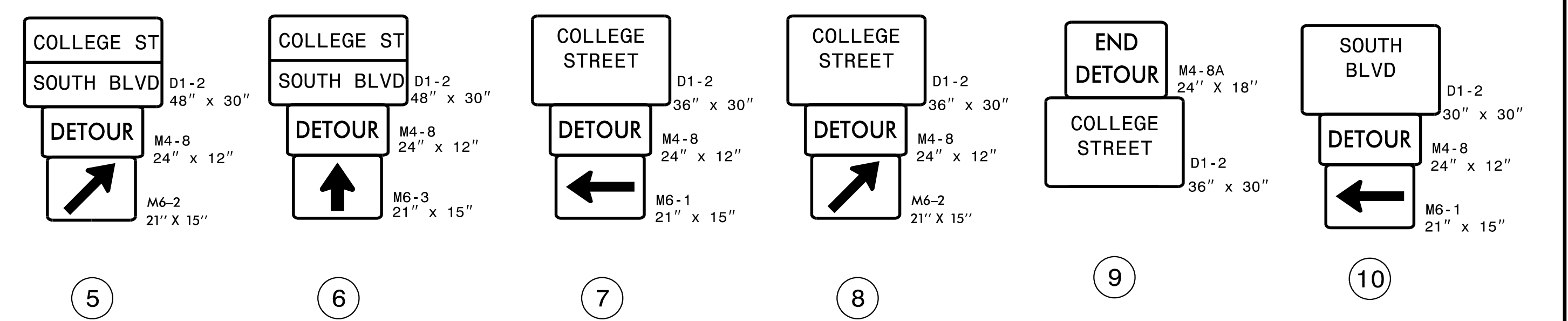


DETOUR DESCRIPTION:

I-277 NB EXIT 1D TO W. CARSON BLVD TO S. CALDWELL ST. TO E. MOREHEAD ST./US29 TO KENILWORTH AVE. TO I-277 NB ENTRANCE RAMP

NOTES:

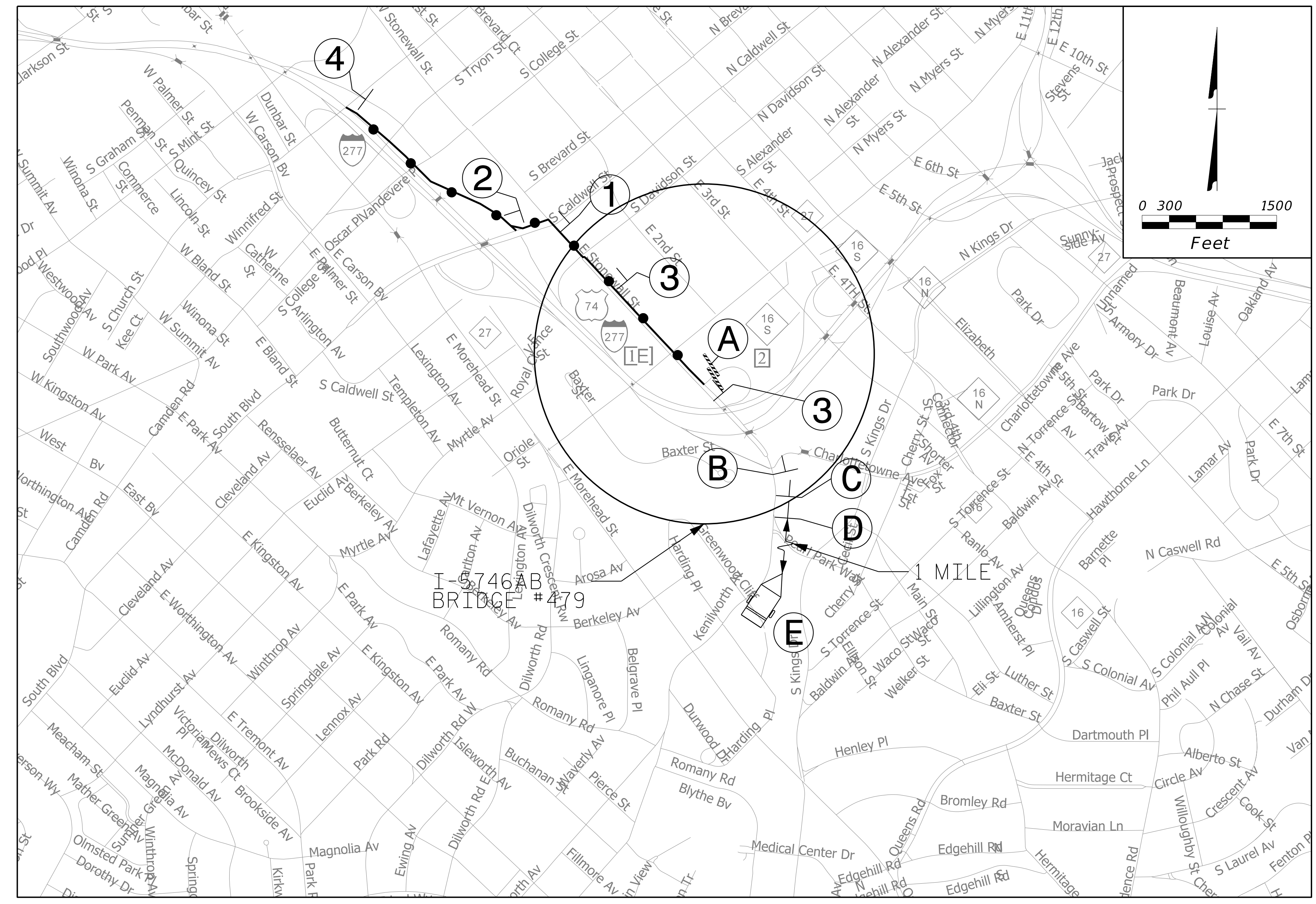
- TRAFFIC CONTROL DEVICES ① THRU ⑪ AND ① A THRU ① C SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.
- FOR DETOUR DESTINATION SIGNS, SEE SIGN DETAIL SHEETS.



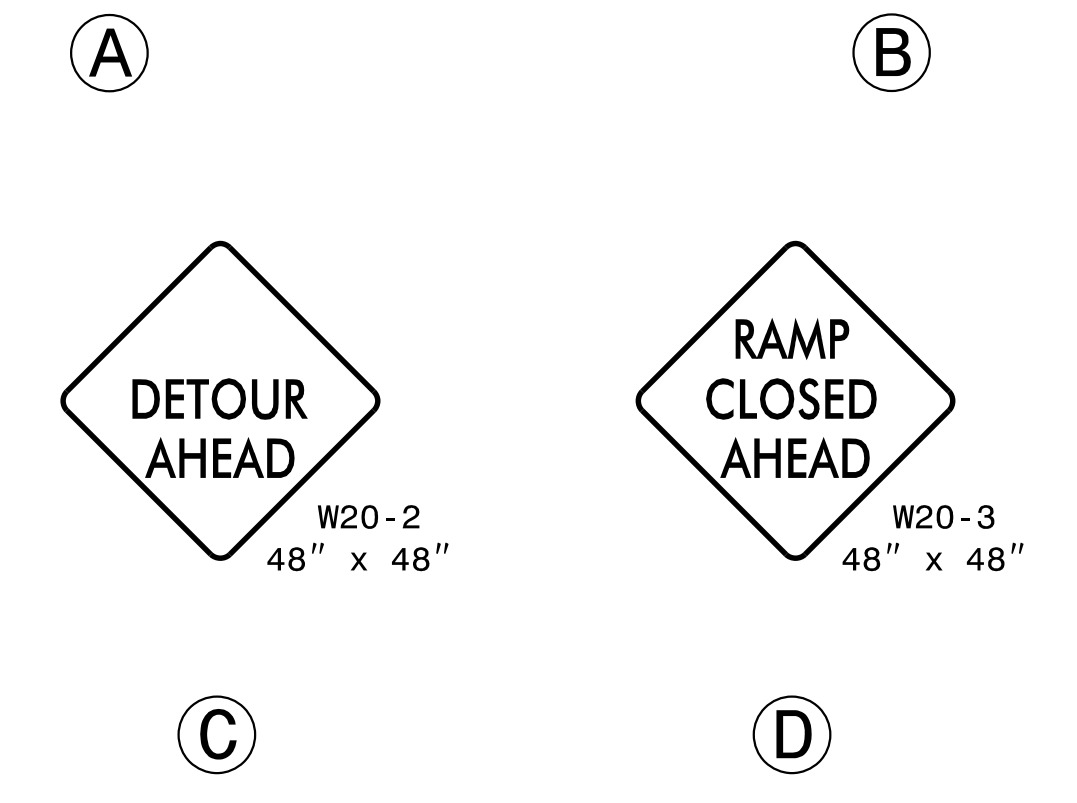
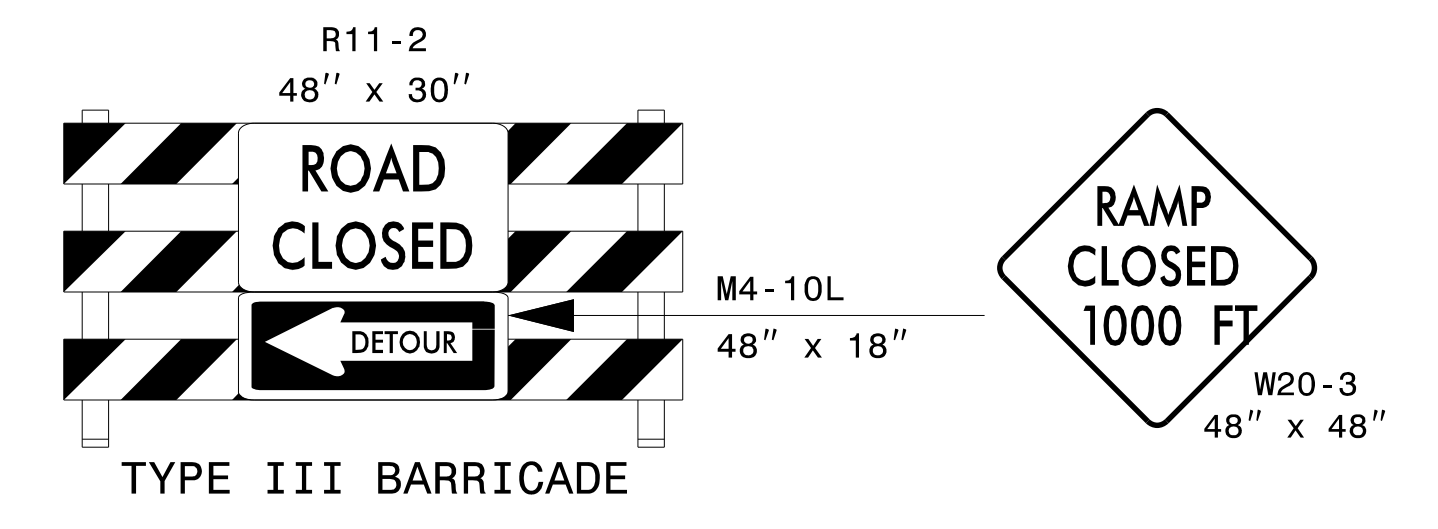
OFFSITE DETOUR 20 SIGNING AND ROAD CLOSURE SIGNING

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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STONEWALL RAMP DETOUR ROUTE

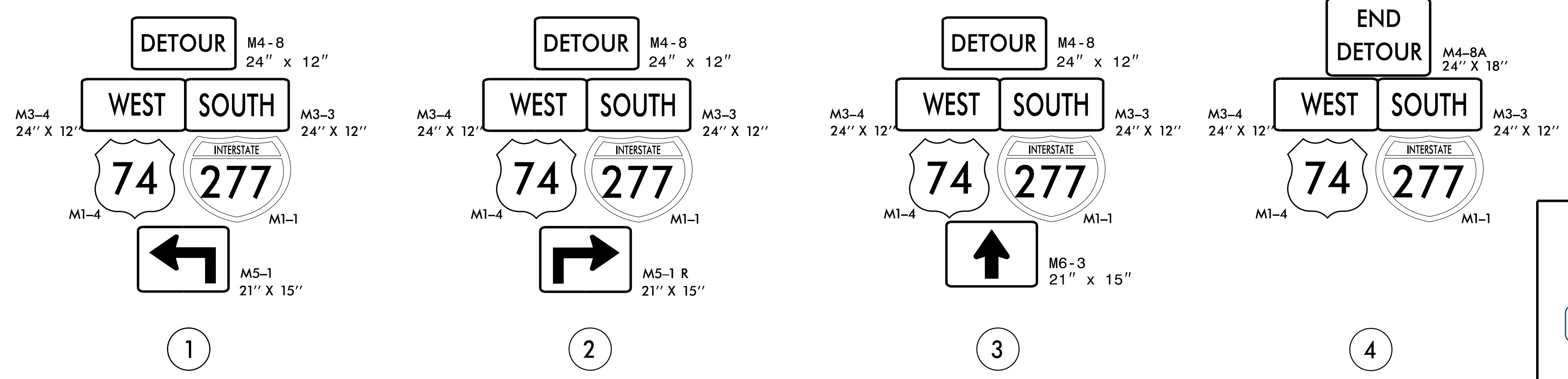


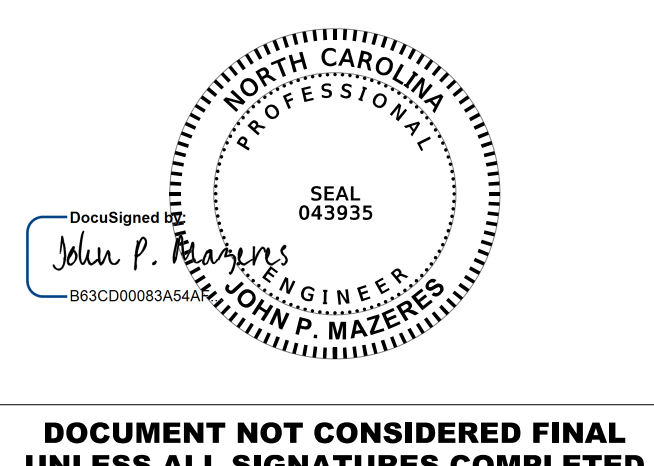
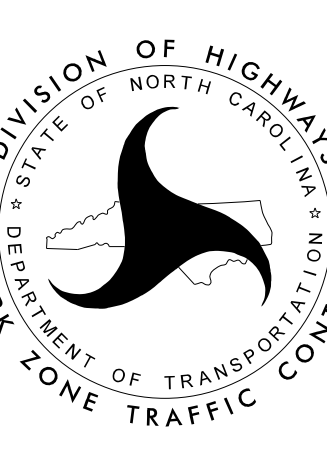
MESSAGE NO. 1	MESSAGE NO. 2
I-277 SB ON RAMP CLOSED	FOLLOW I-277 SB DETOUR
CHANGEABLE MESSAGE SIGN	



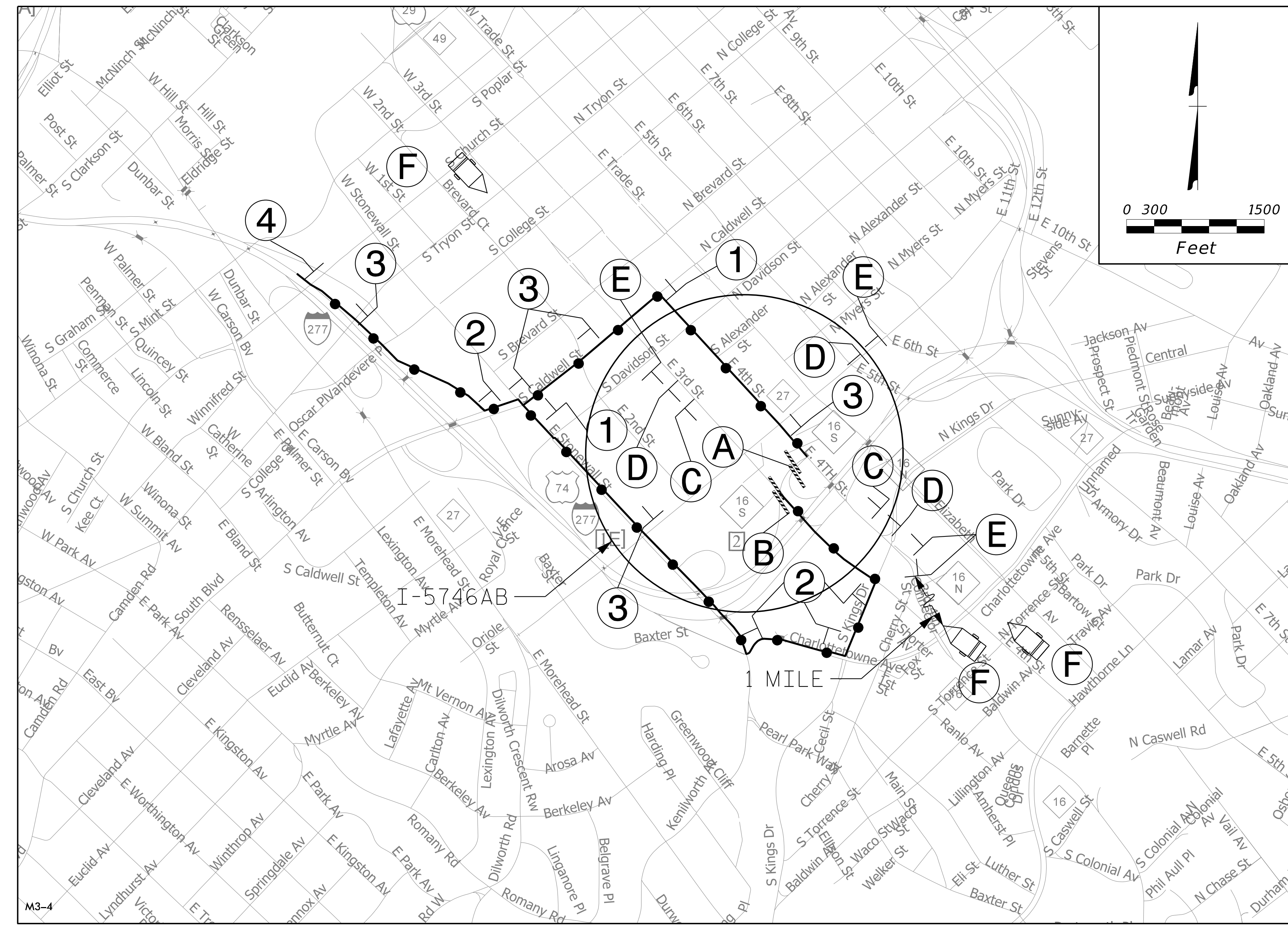
DETOUR DESCRIPTION:
E. STONEWALL ST. TO S. CALDWELL ST. TO I-277 SB ENTRANCE RAMP

NOTES:
TRAFFIC CONTROL DEVICES ① THRU ④ AND ① A THRU ① E SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.

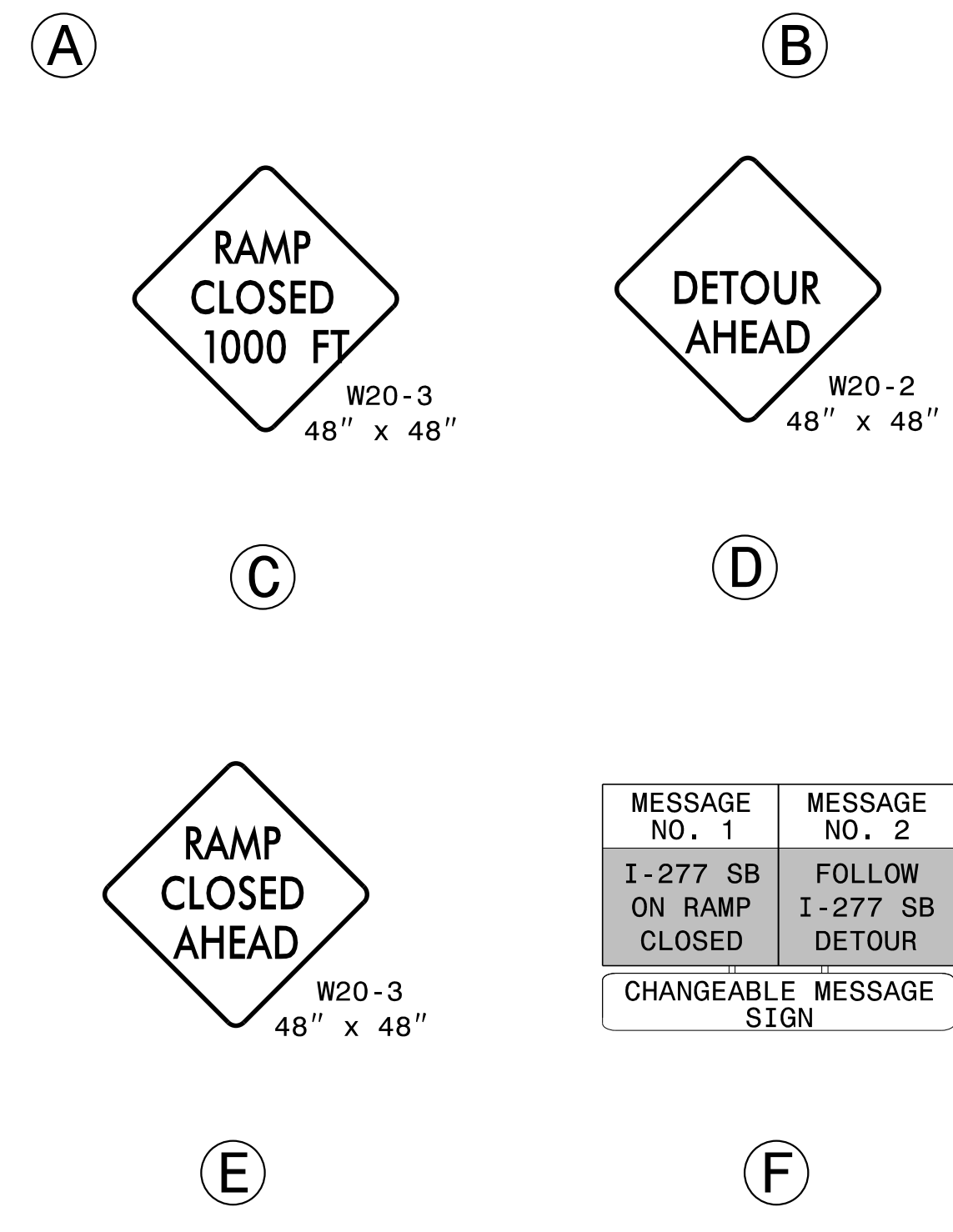
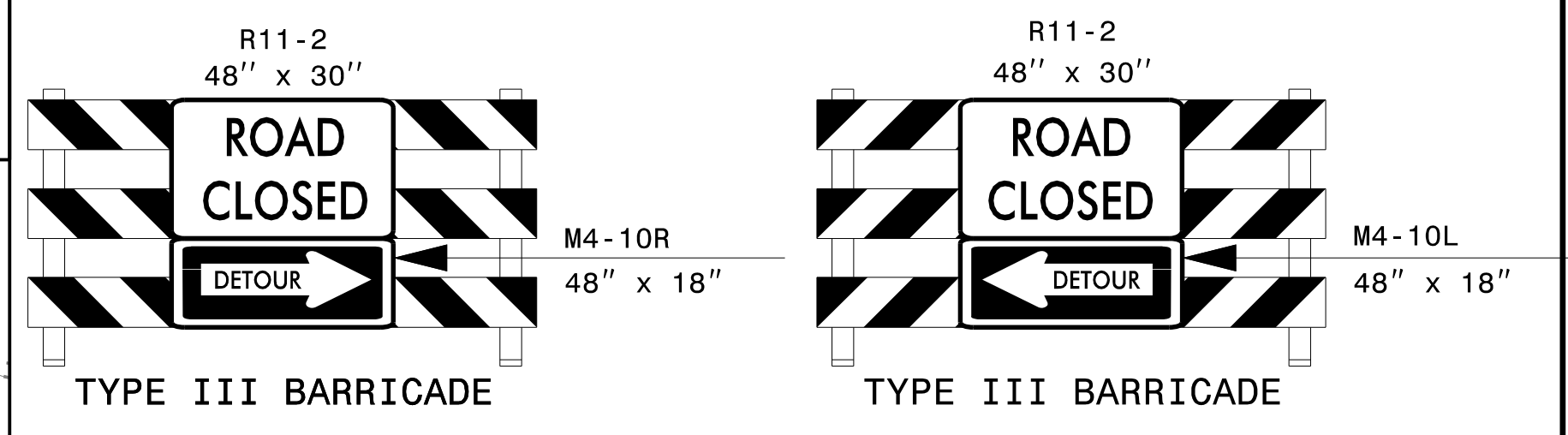


 <p>DocuSigned by: John P. Mazeres 043935</p>		<h3>OFFSITE DETOUR 21 SIGNING AND ROAD CLOSURE SIGNING</h3>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		

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 User: jmazeres



NC16/3RD & 4TH ST RAMP DETOUR ROUTE

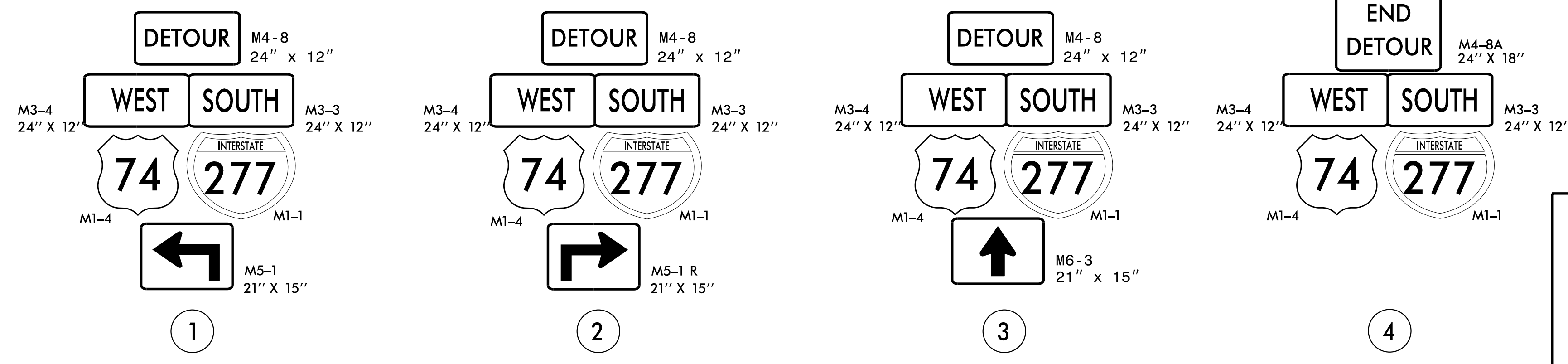


DETOUR DESCRIPTIONS:

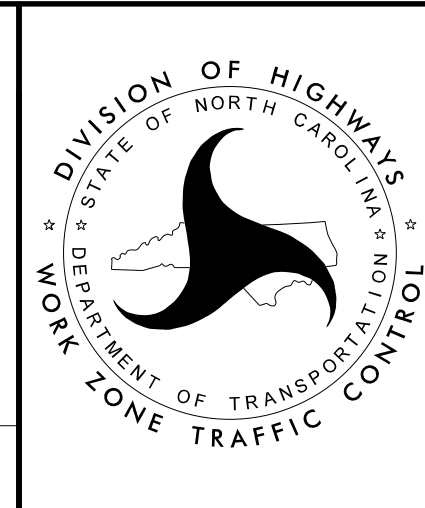
- E 3RD ST/NC16 TO S. KINGS DR. TO CHARLOTTETOWNE AVE. TO E. STONEWALL ST./KENILWORTH AVE. TO S. CALDWELL ST. TO I-277 SB ENTRANCE RAMP
- E 4TH ST/NC16 TO S. CALDWELL ST. TO I-277 SB ENTRANCE RAMP

NOTES:

TRAFFIC CONTROL DEVICES ① THRU ④ AND ①A THRU ①F SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.



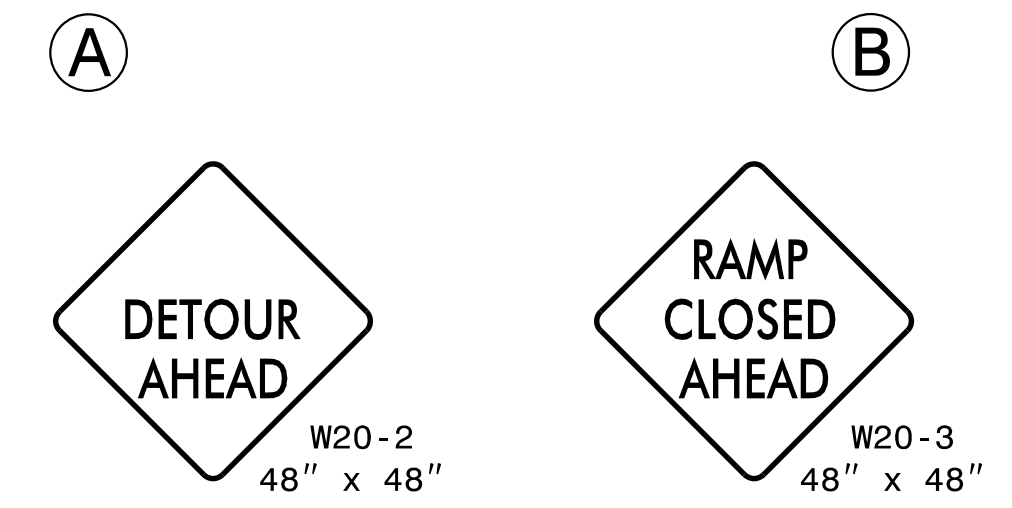
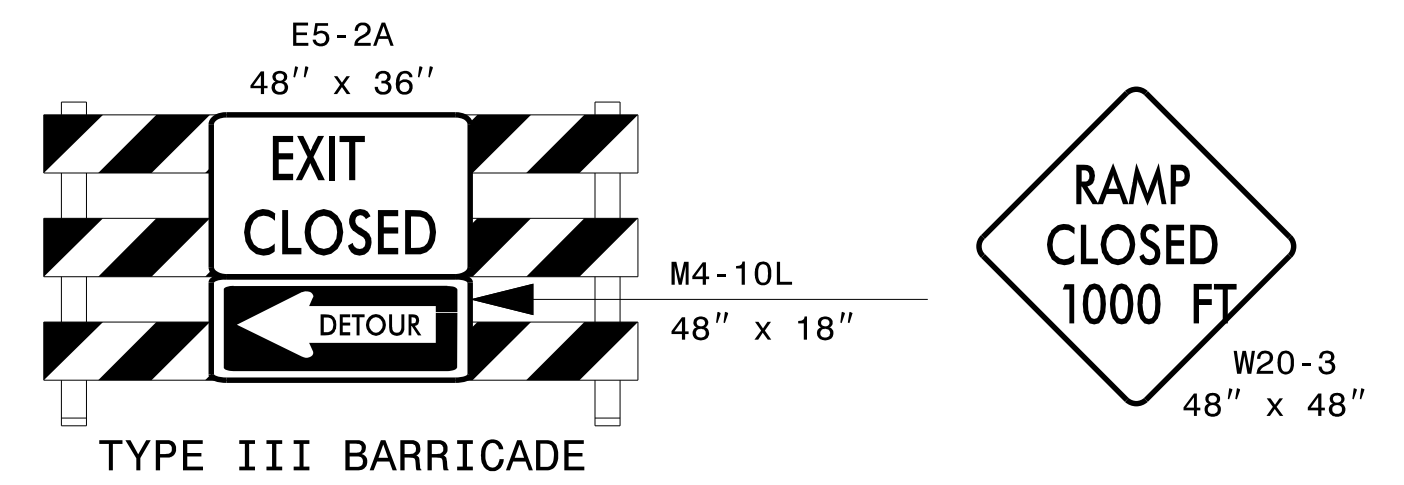
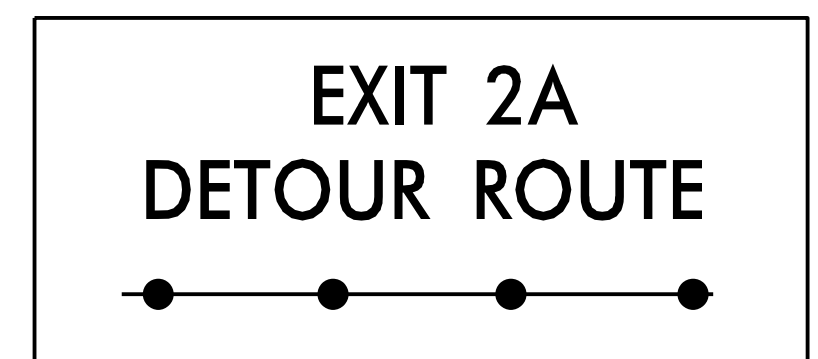
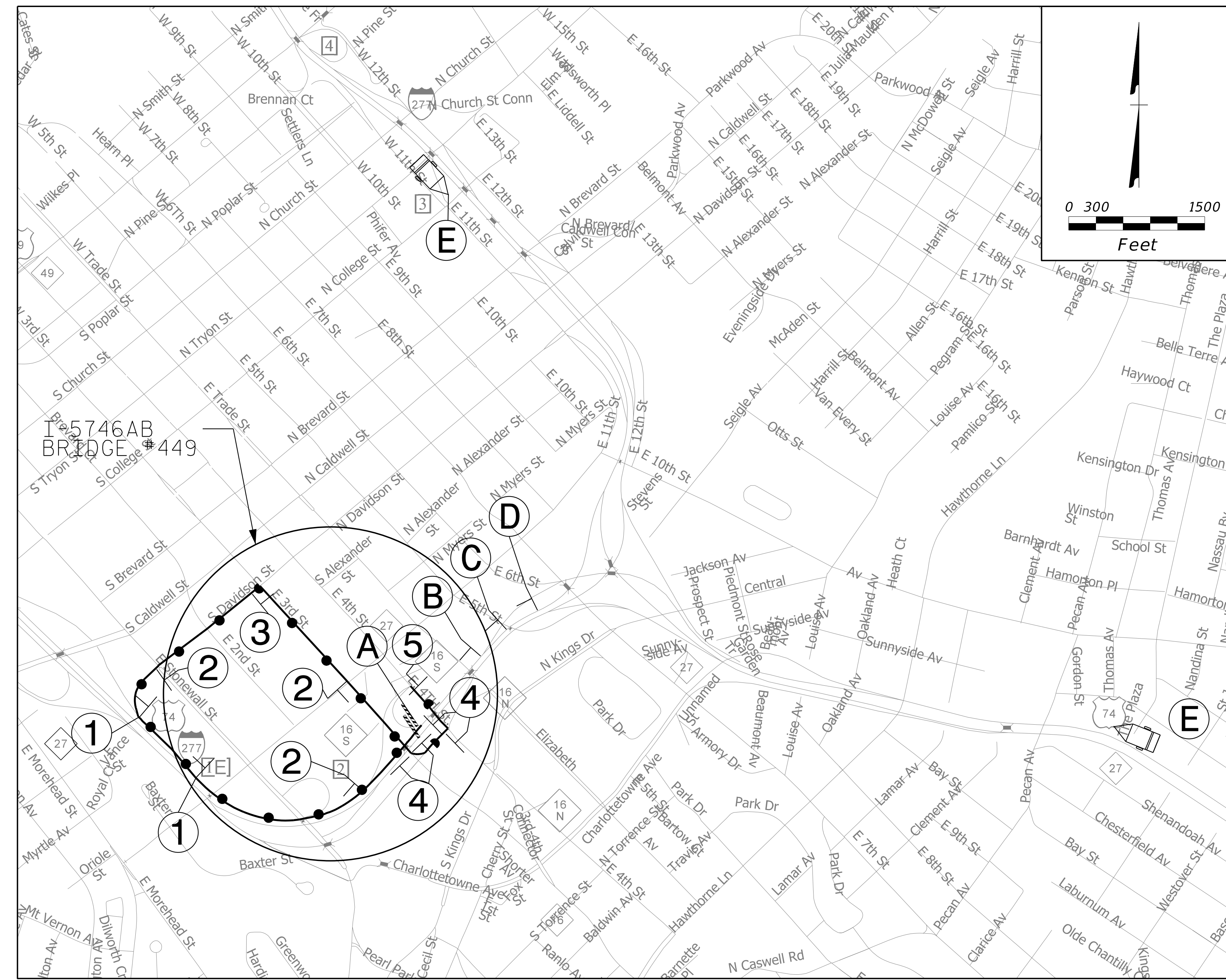
DocuSigned by:
John P. Mazeres
 SEAL 043935
 PROFESSIONAL ENGINEER
 JOHN P. MAZERES



**OFFSITE DETOUR 22
SIGNING AND ROAD
CLOSURE SIGNING**

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

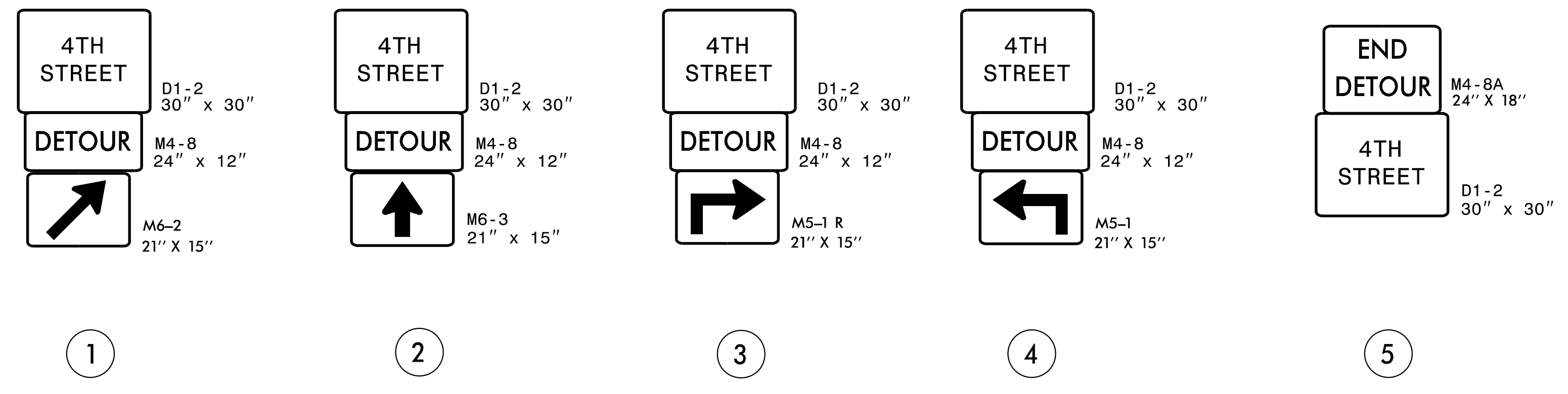
4/24/2017 Z:\Raleigh\Production\TIP I-5746AB\TrafficControl\I-5746AB_TMP29_OFFSITE DETOUR 22.dgn User:jmazeres





MESSAGE NO. 1	MESSAGE NO. 2
EXIT 2A CLOSED AHEAD	FOLLOW 4TH ST. DETOUR
CHANGEABLE MESSAGE SIGN	

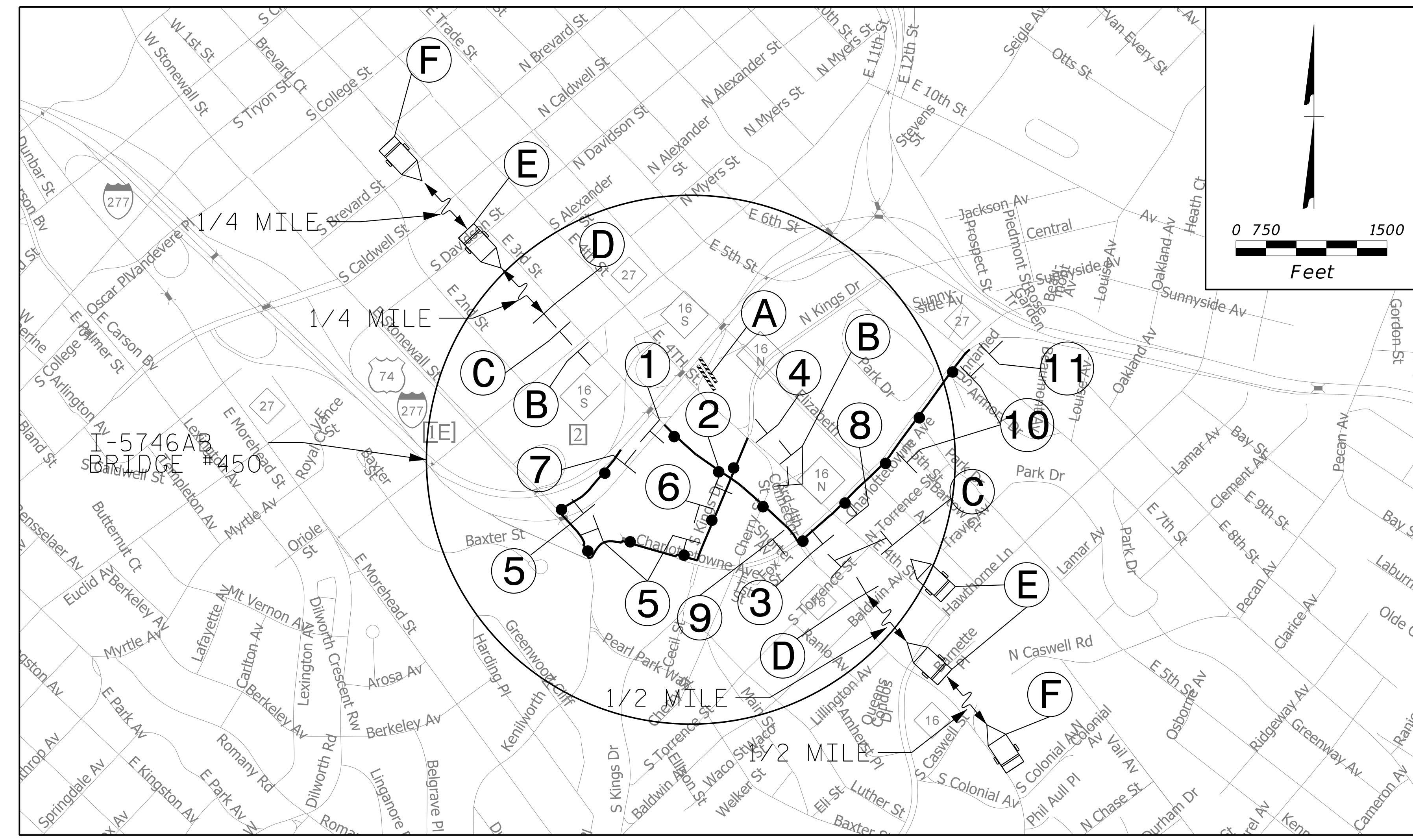
DETOUR DESCRIPTION:
 I-277 SB EXIT 1E TO S. DAVIDSON ST. TO E 3RD ST/NC 16 TO I-277 NB ENTRANCE RAMP TO E 4TH ST/NC16

- NOTES:**
- TRAFFIC CONTROL DEVICES ① THRU ⑤ AND ①A THRU ①E SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.
 - FOR DETOUR DESTINATION SIGNS, SEE SIGN DETAIL SHEETS.

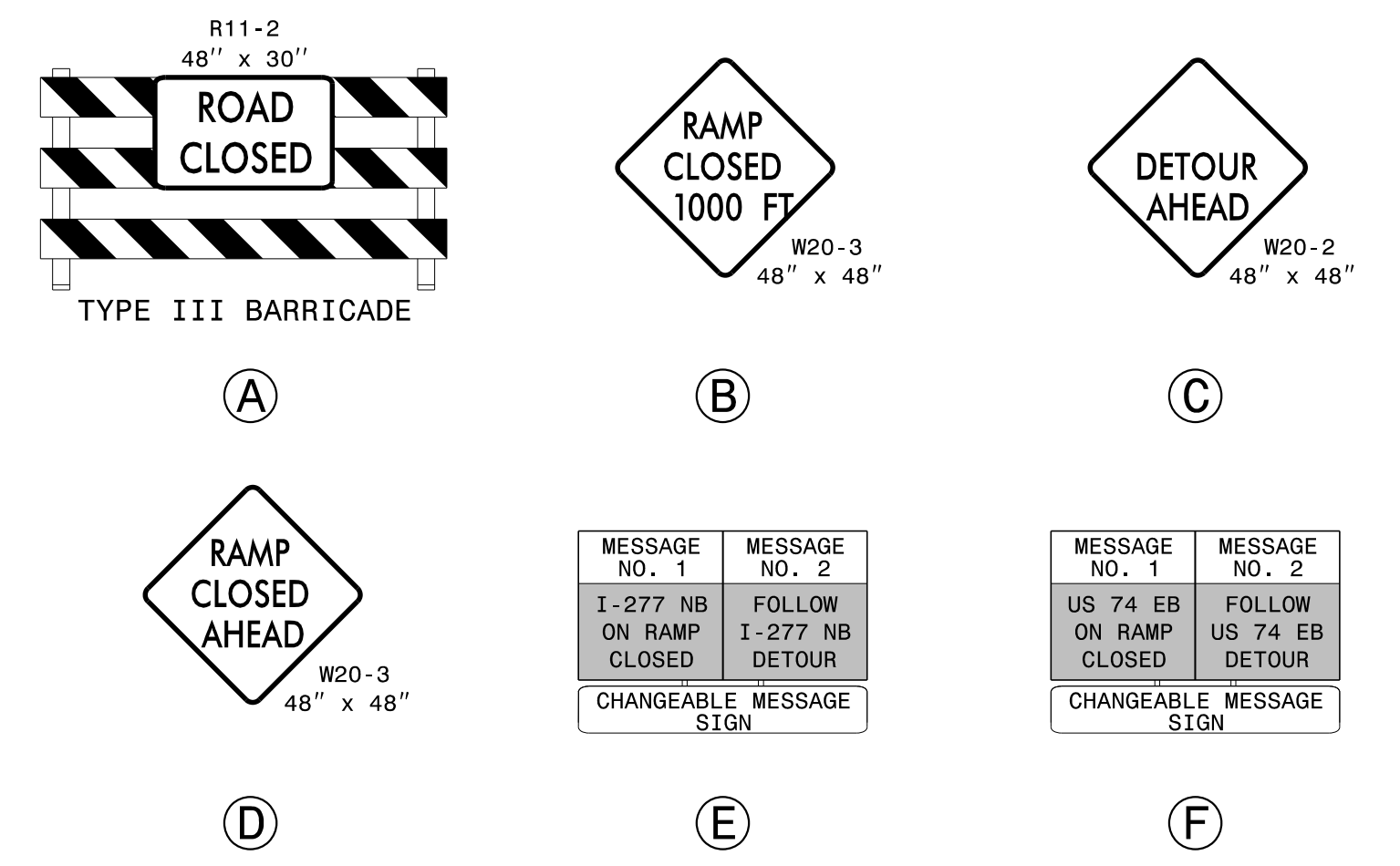


		<p>OFFSITE DETOUR 23 SIGNING AND ROAD CLOSURE SIGNING</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		

4/24/2017
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 User: jmazeres



4TH ST. ENTRANCE DETOUR ROUTE

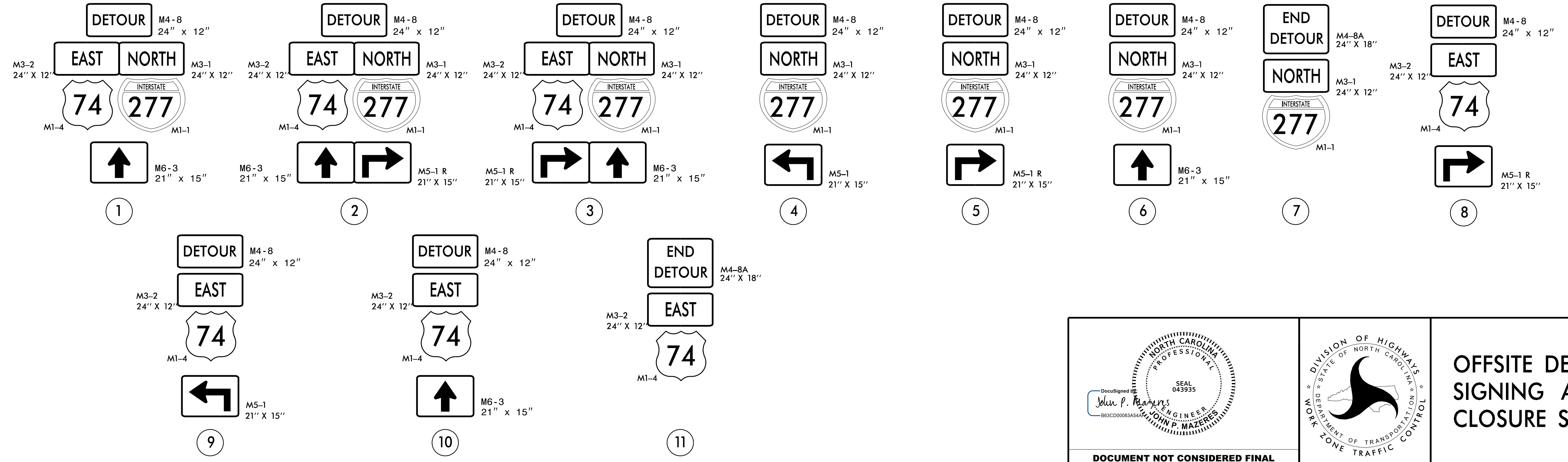


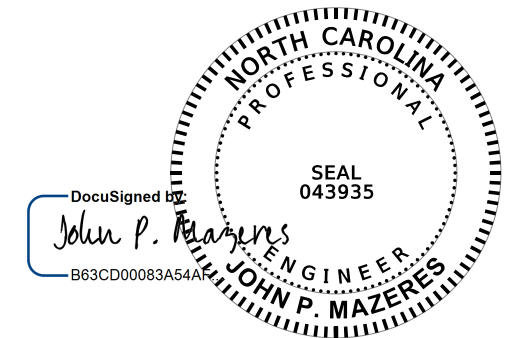
DETOUR DESCRIPTION:

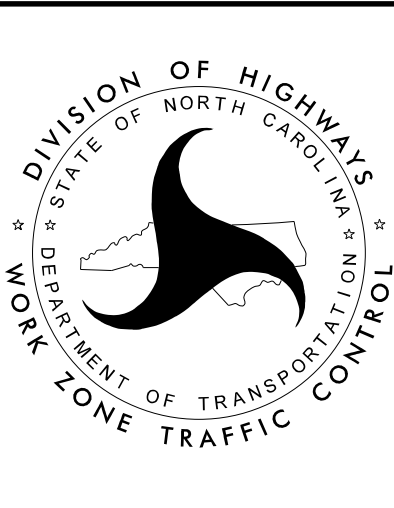
- I-277 NB: S. KINGS ST. TO CHARLOTTETOWNE AVE. TO KENILWORTH AVE. TO I-277 NB ENTRANCE RAMP
- US 74 EB: E. 3RD ST./NC16 TO CHARLOTTETOWNE AVE. TO US 74 EB

NOTES:

TRAFFIC CONTROL DEVICES ① THRU ⑪ AND ① THRU ⑥ SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.



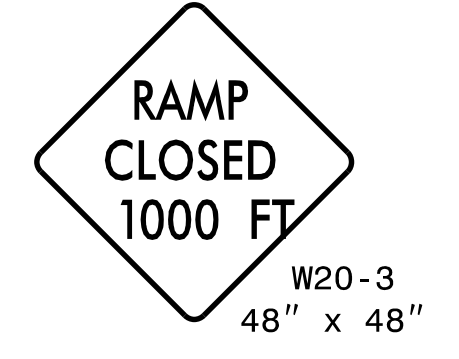
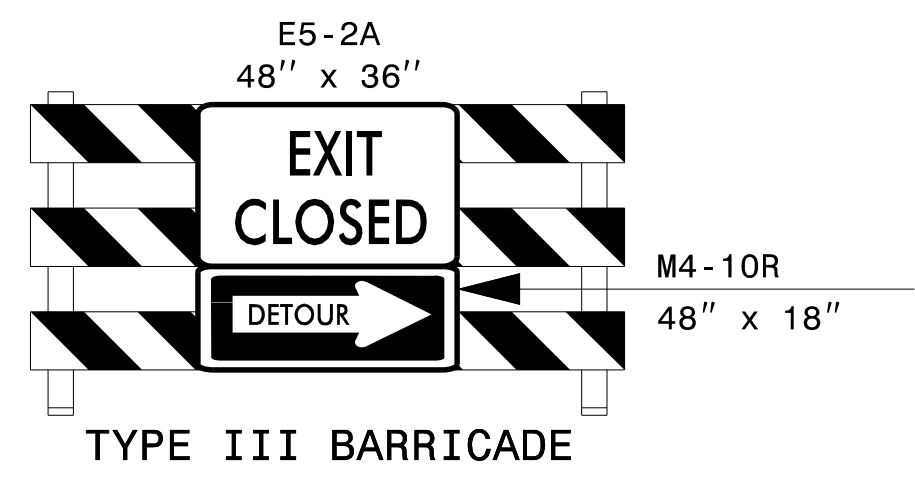
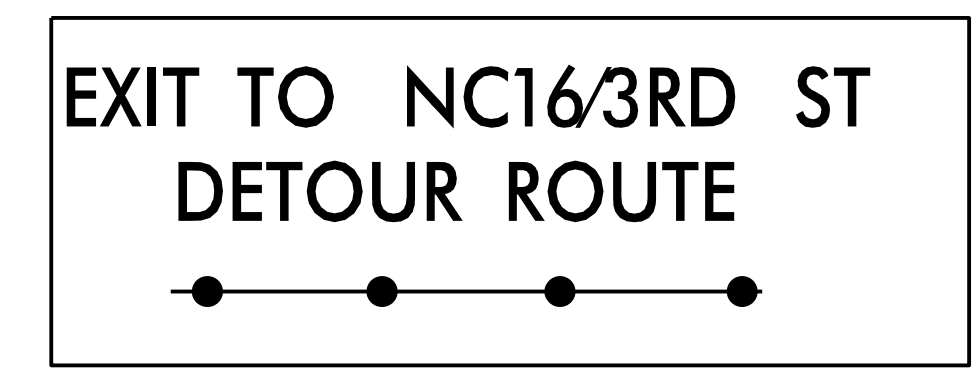
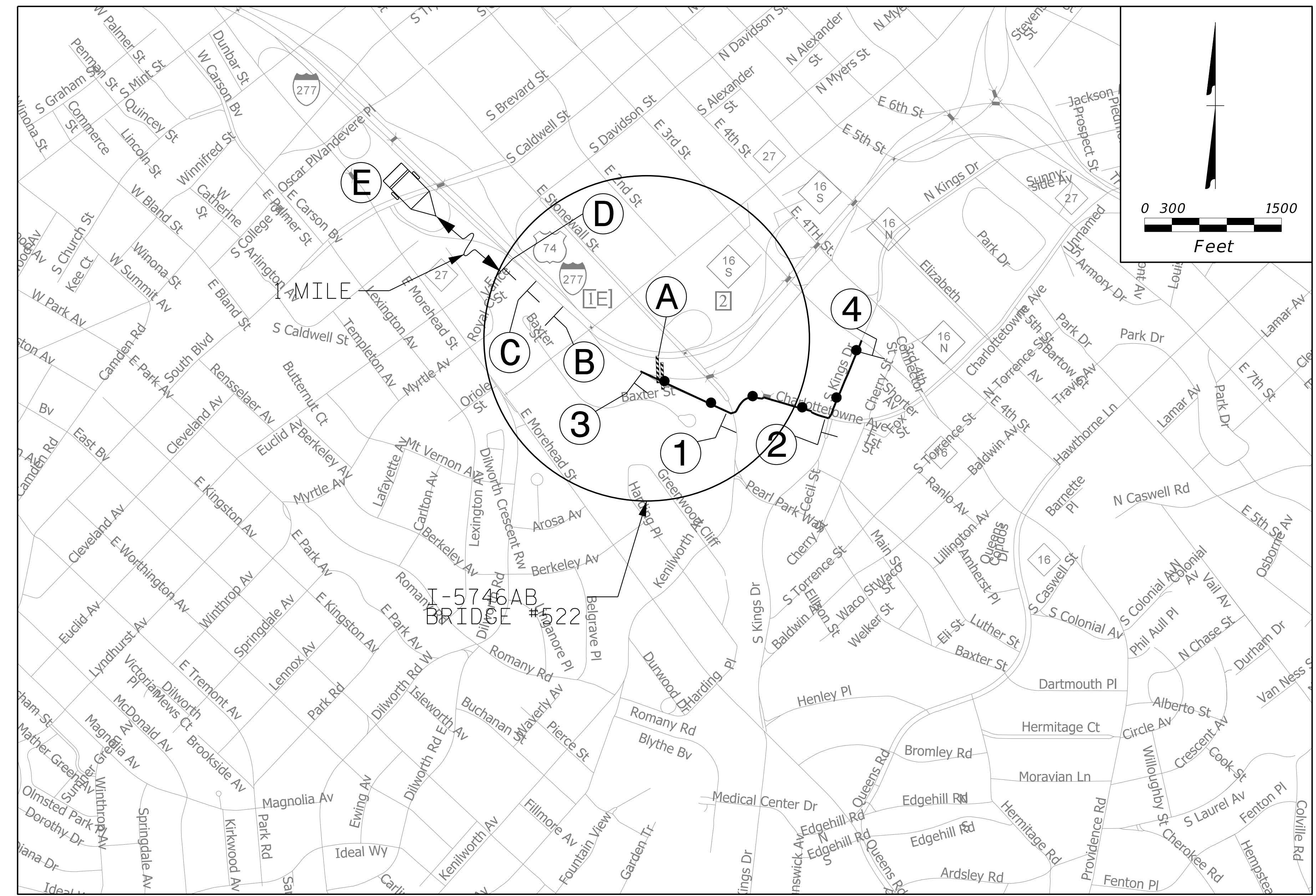
DocuSigned by:

John P. Mazeres
 PROFESSIONAL ENGINEER
 JOHN P. MAZERES
 043935



OFFSITE DETOUR 24 SIGNING AND ROAD CLOSURE SIGNING

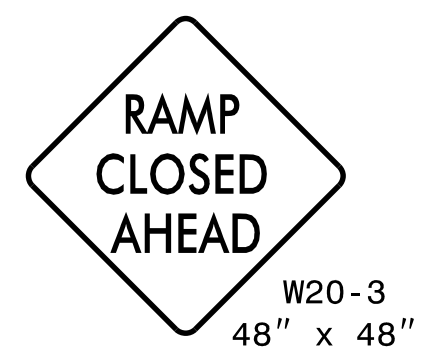
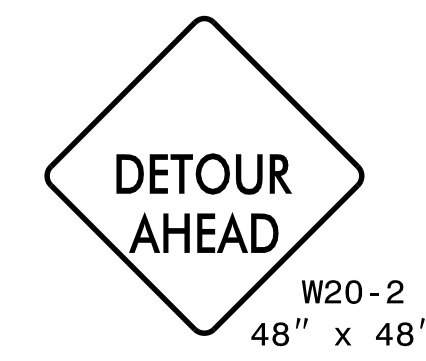
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

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 User:jmazer



(A)

(B)



(C)

(D)

MESSAGE NO. 1	MESSAGE NO. 2
EXIT TO 3RD ST CLOSED	FOLLOW 3RD ST DETOUR
CHANGEABLE MESSAGE SIGN	

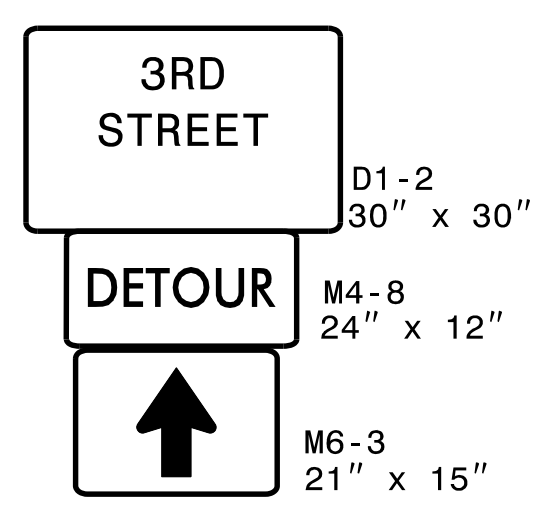
(E)

DETOUR DESCRIPTION:

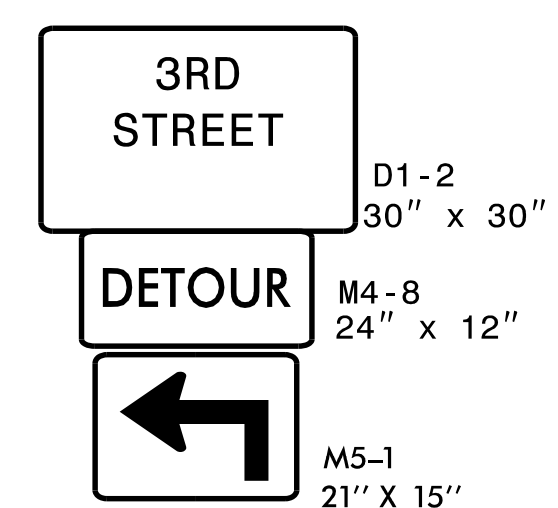
I-277 NB EXIT 2A TO CHARLOTTETOWNE AVE. TO S. KINGS DR. TO E. 3RD ST./NC16

NOTES:

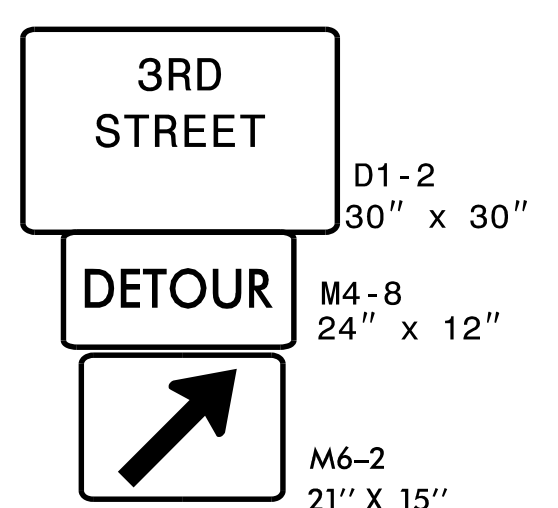
1. TRAFFIC CONTROL DEVICES (1) THRU (4) AND (A) THRU (E) SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.
2. FOR DETOUR DESTINATION SIGNS, SEE SIGN DETAIL SHEETS.



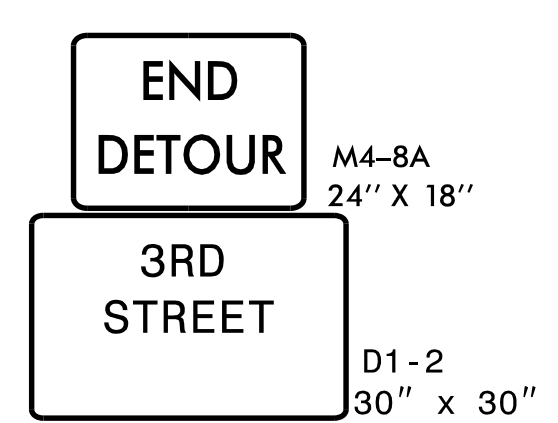
(1)



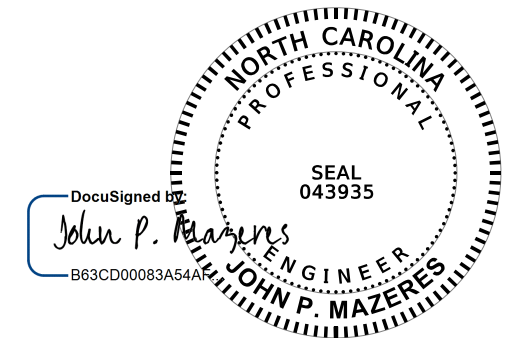
(2)




(3)



(4)

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 JOHN P. MAZERES
 PROFESSIONAL ENGINEER
 NO. 043935

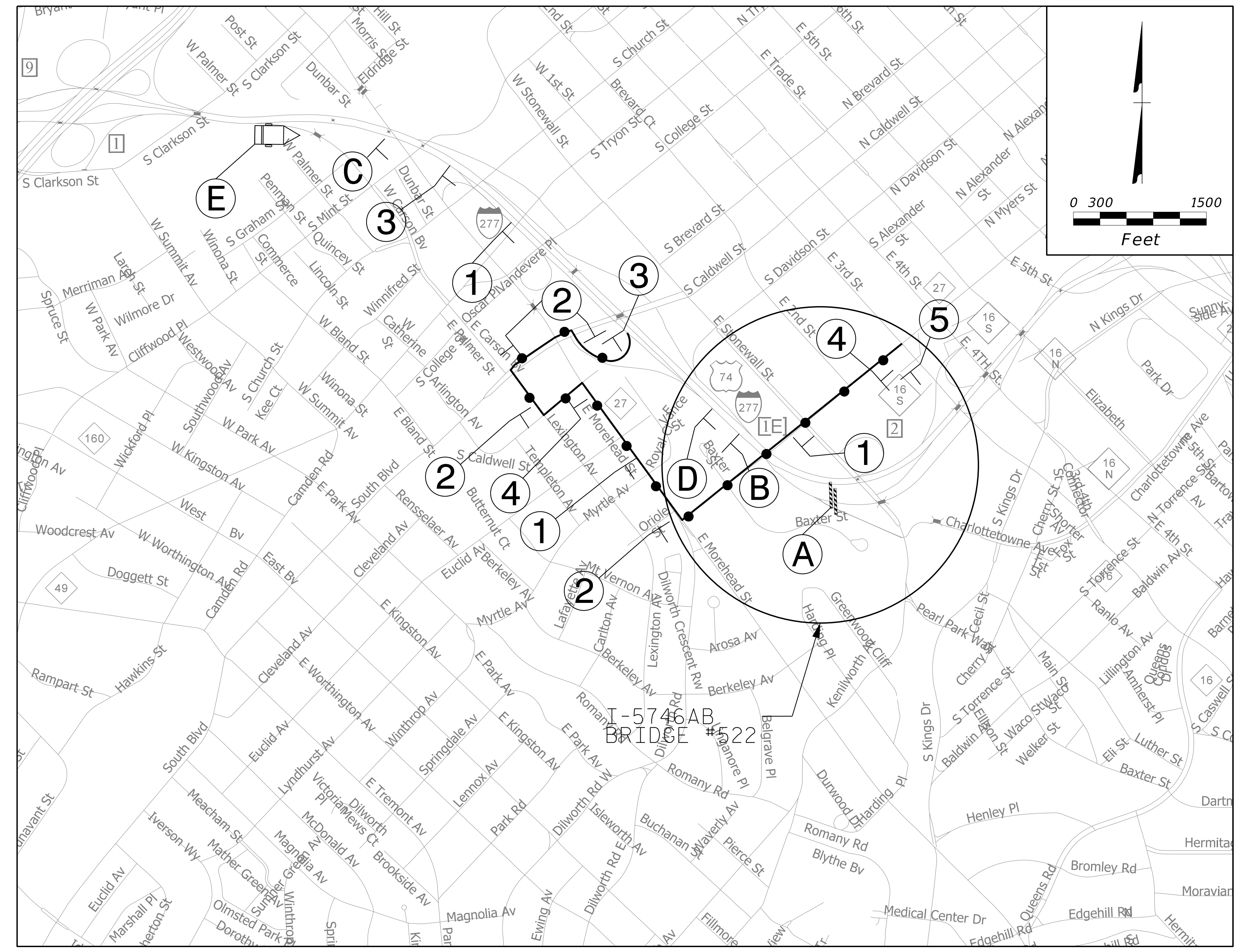
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



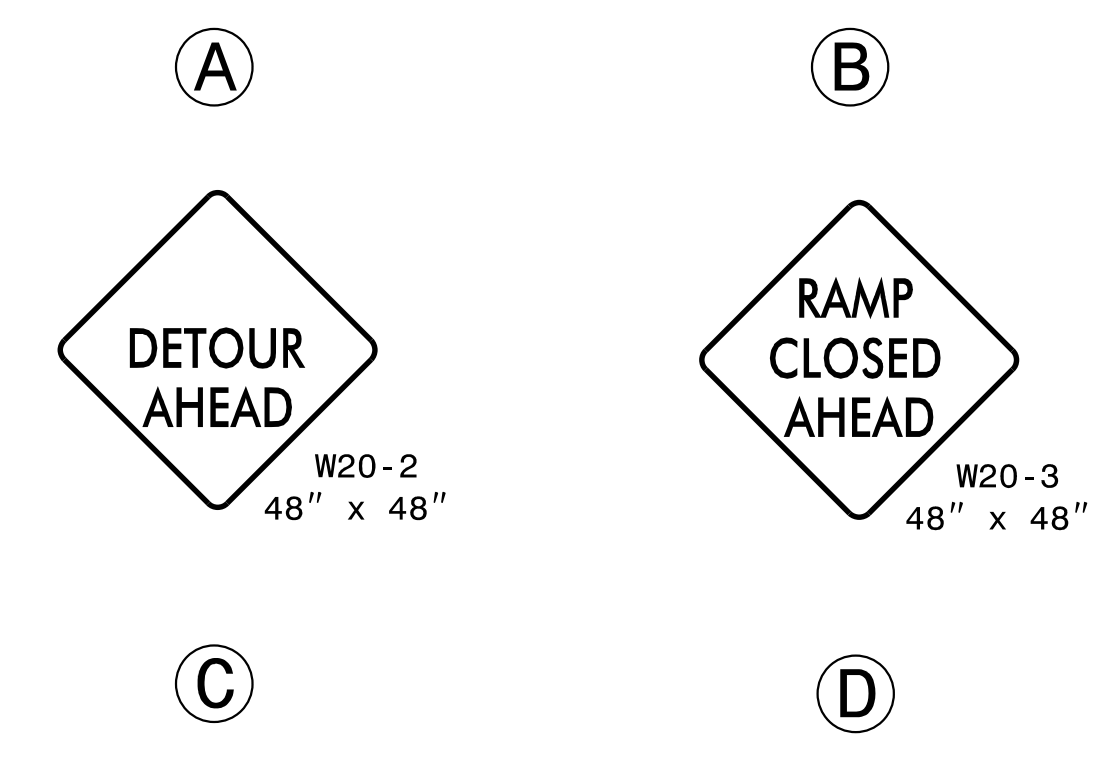
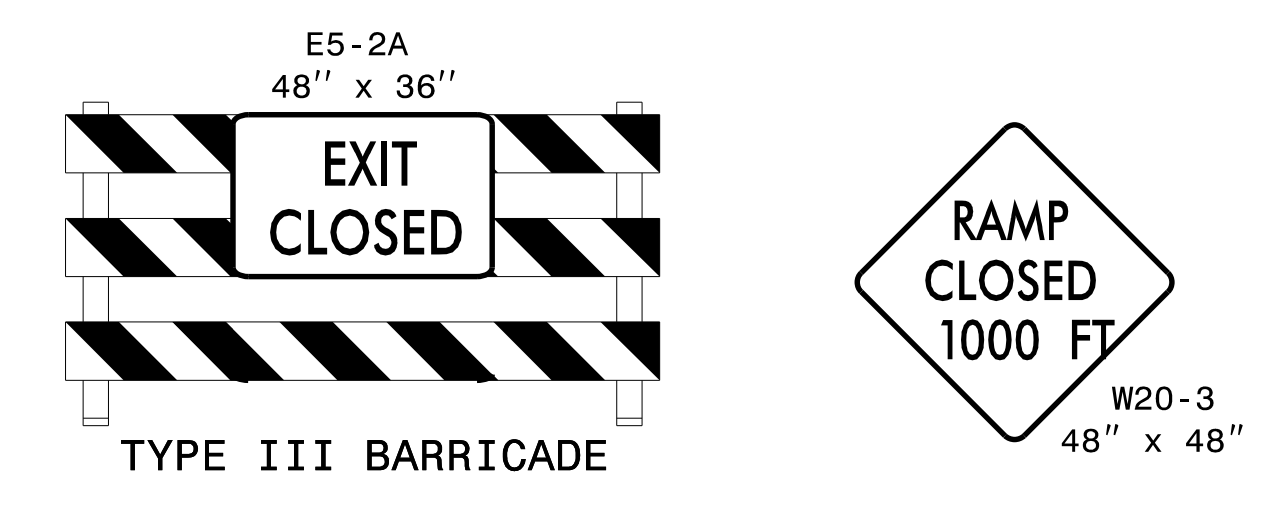
DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WORK ZONE TRAFFIC CONTROL

OFFSITE DETOUR 25 ROUTE 1 SIGNING AND ROAD CLOSURE SIGNING

4/24/2017
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 User:jmazer



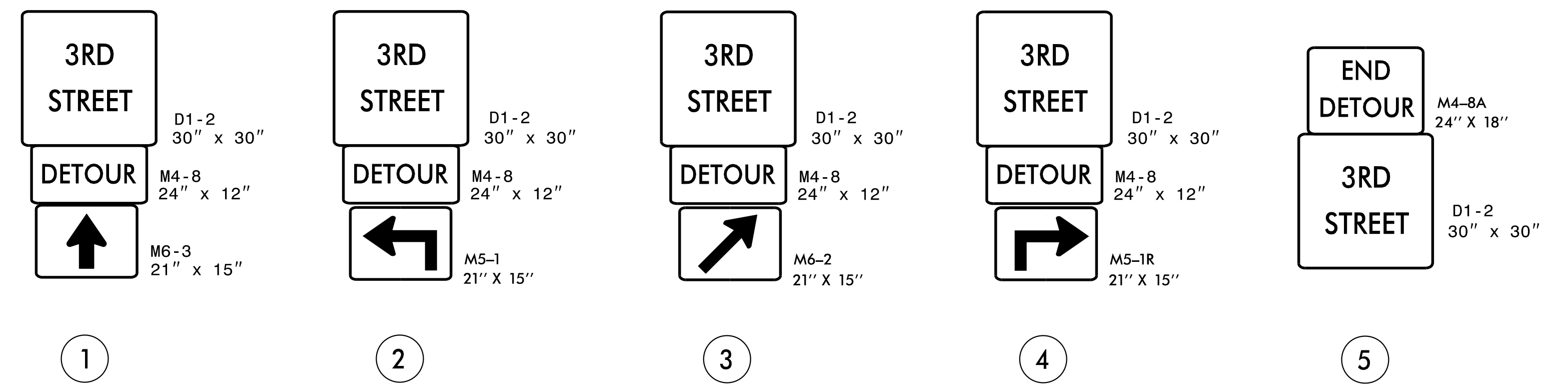
**EXIT TO NC163RD ST
DETOUR ROUTE**


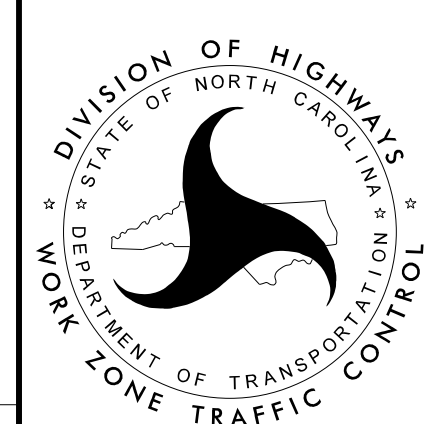


MESSAGE NO. 1	MESSAGE NO. 2
EXIT TO 3RD ST CLOSED	FOLLOW 3RD ST DETOUR
CHANGEABLE MESSAGE SIGN	

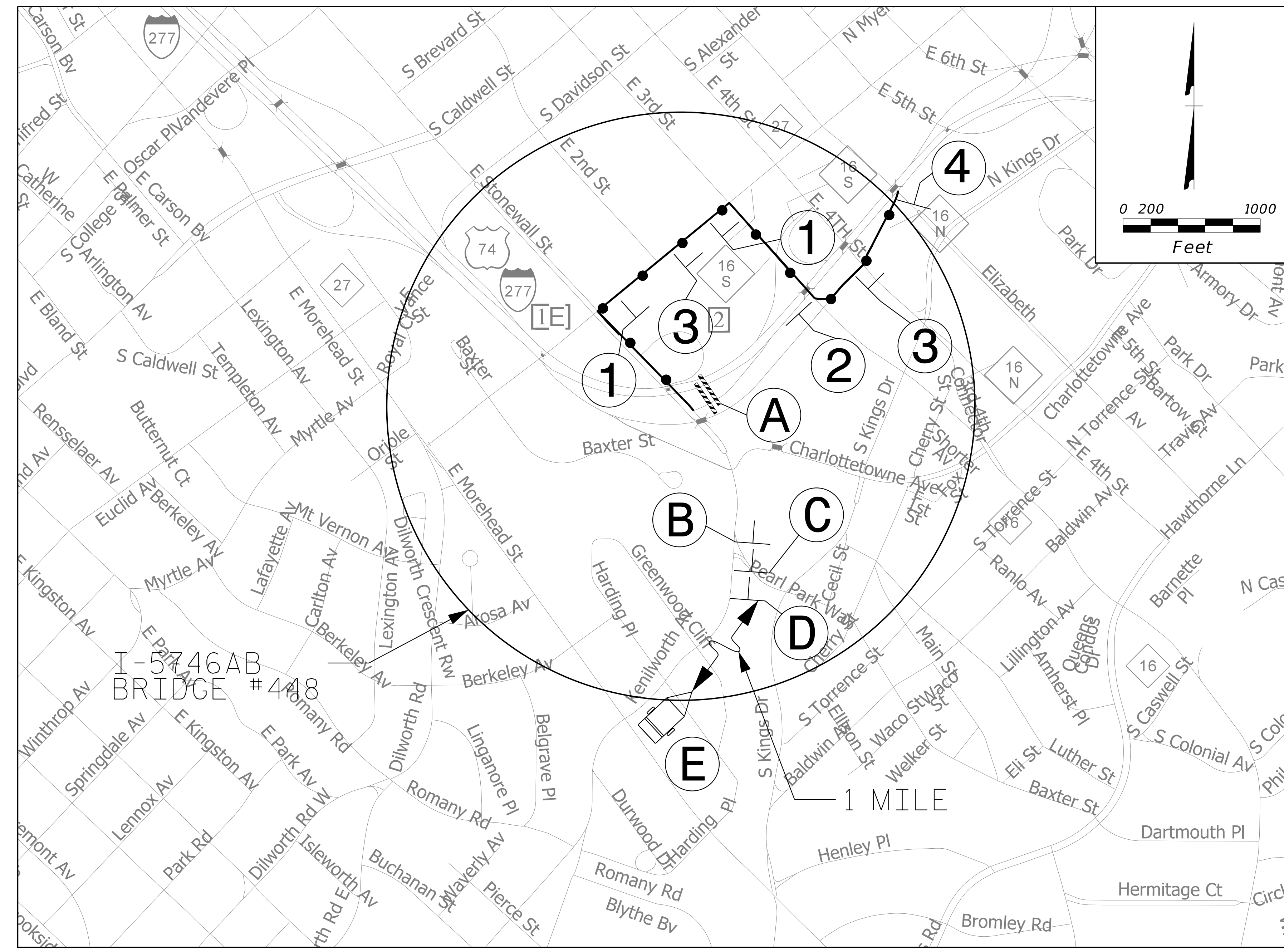
DETOUR DESCRIPTION:
 I-277 NB EXIT 1E, FRONTAGE ROAD TO SOUTH BLVD./S. CALDWELL ST. TO LEXINGTON AVE. TO S. CALDWELL ST. TO E. MOREHEAD ST./US29 TO S. MCDOWELL ST./NC27, TO E. 3RD ST./NC16

- NOTES:**
- TRAFFIC CONTROL DEVICES ① THRU ⑤ AND ①A THRU ①E SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.
 - FOR DETOUR DESTINATION SIGNS, SEE SIGN DETAIL SHEETS.

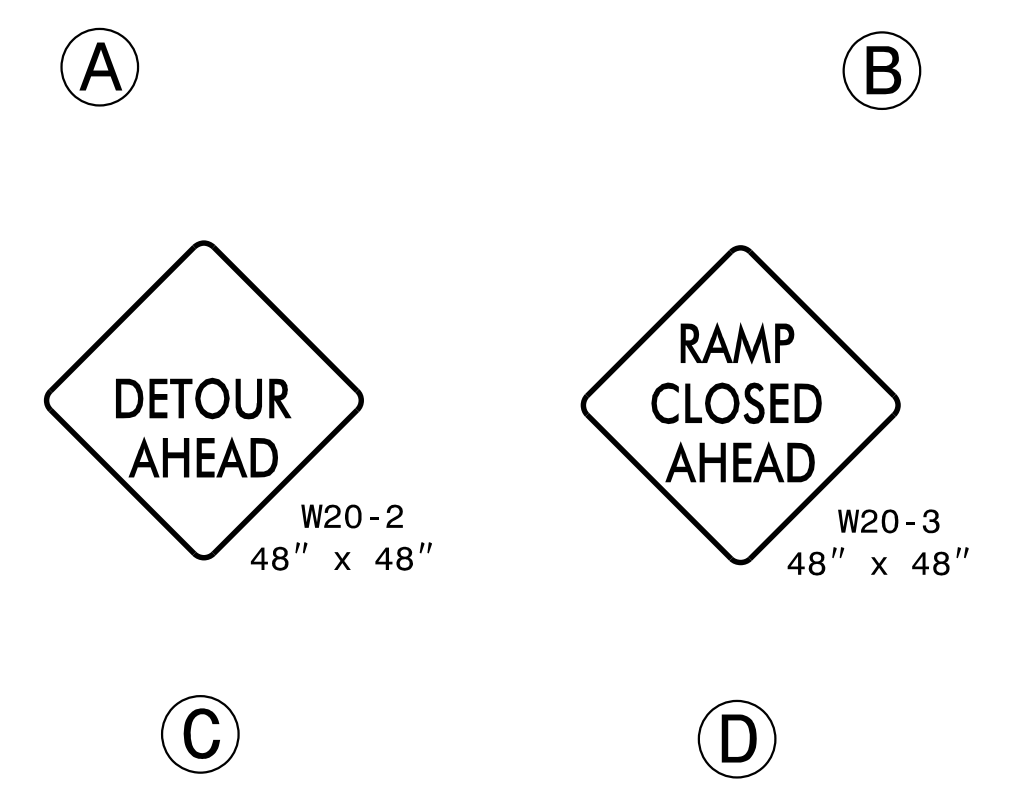
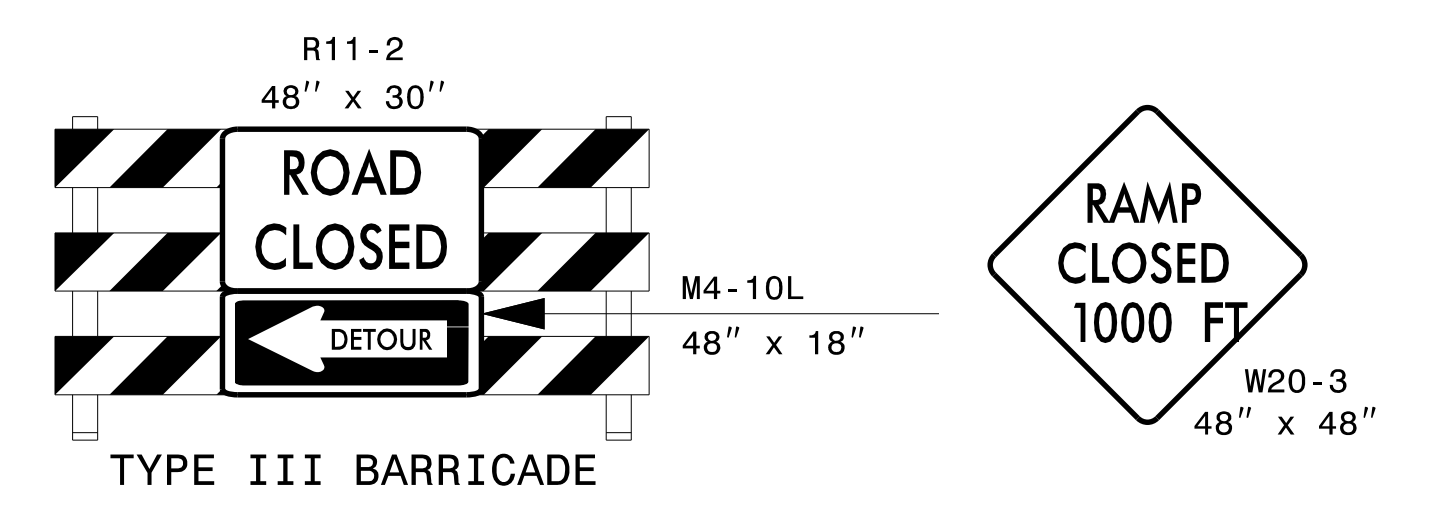


		<p>OFFSITE DETOUR 25 ROUTE 2 SIGNING AND ROAD CLOSURE SIGNING</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		

4/24/2017
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 User: jmazeres



STONEWALL RAMP DETOUR ROUTE



MESSAGE NO. 1	MESSAGE NO. 2
I-277 NB ON RAMP CLOSED	FOLLOW I-277 NB DETOUR

CHANGEABLE MESSAGE SIGN

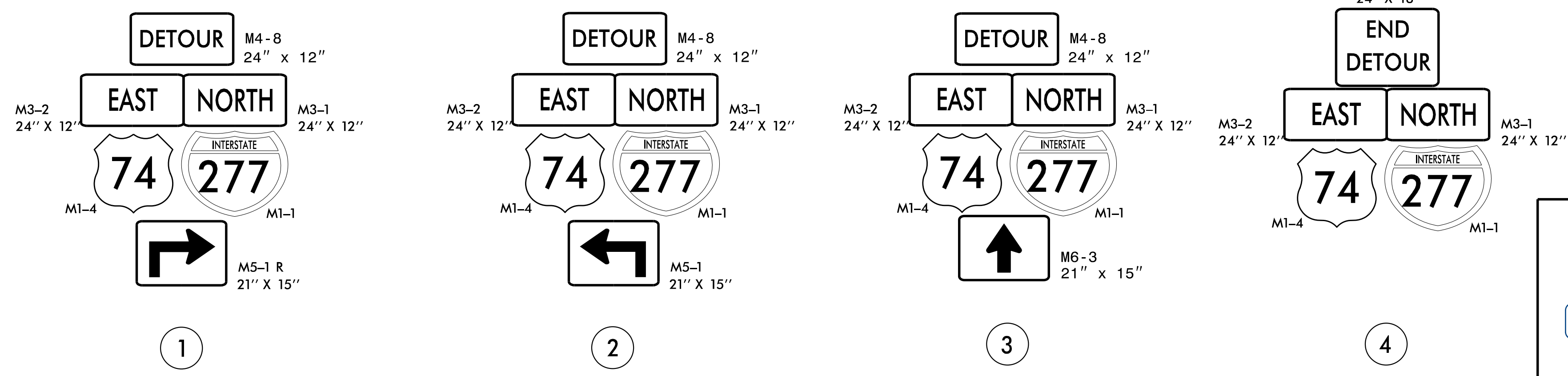


DETOUR DESCRIPTION:

E. STONEWALL ST. TO S. MCDOWELL ST./NC27 TO E. 3RD ST./NC16 TO I-277 NB ENTRANCE RAMP

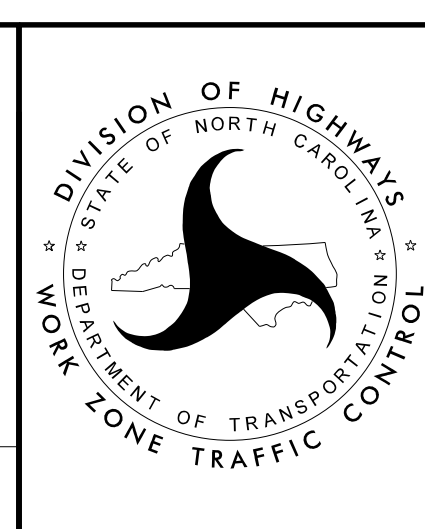
NOTES:

TRAFFIC CONTROL DEVICES ① THRU ④ AND ①A THRU ①E SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.



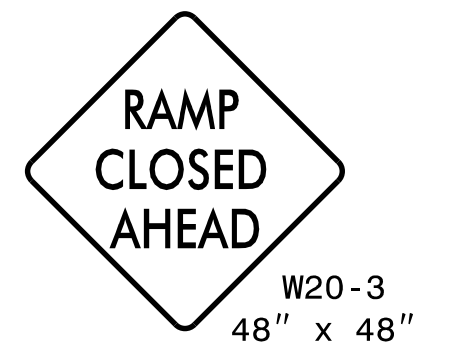
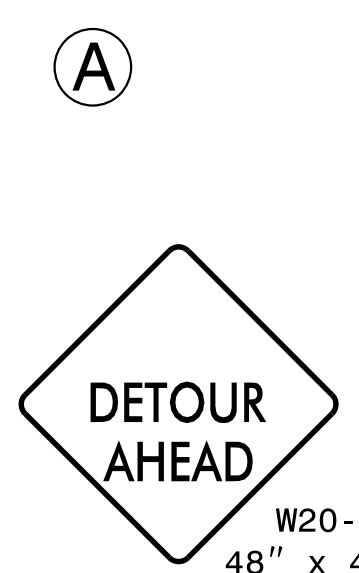
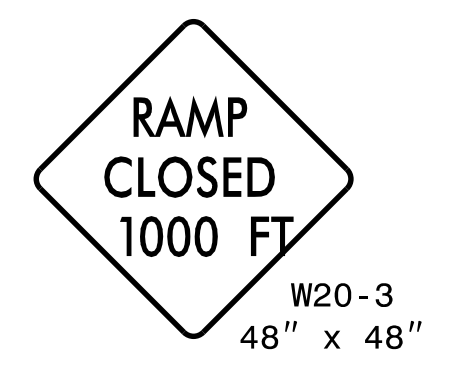
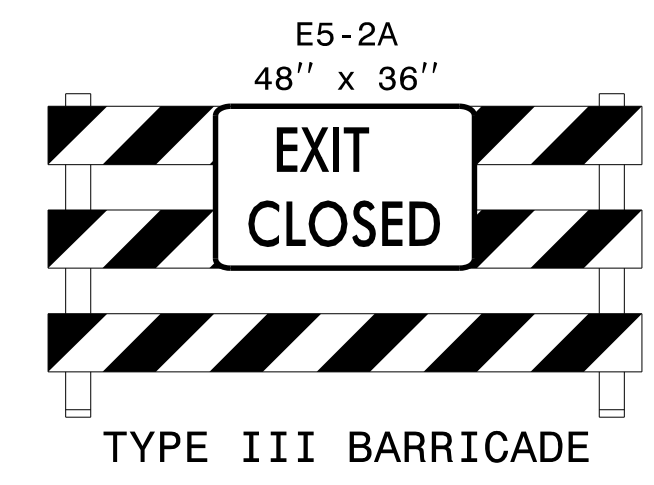
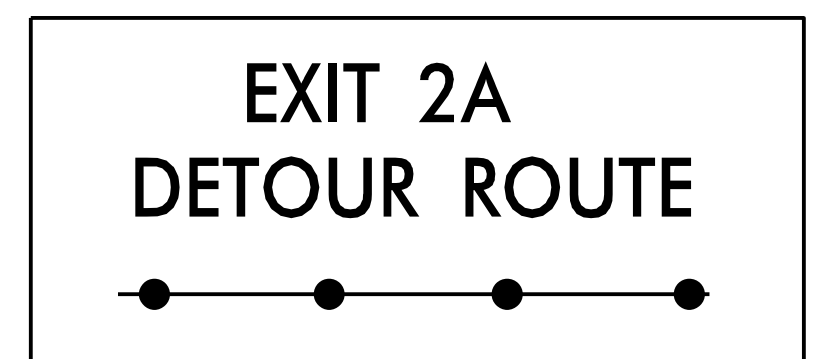
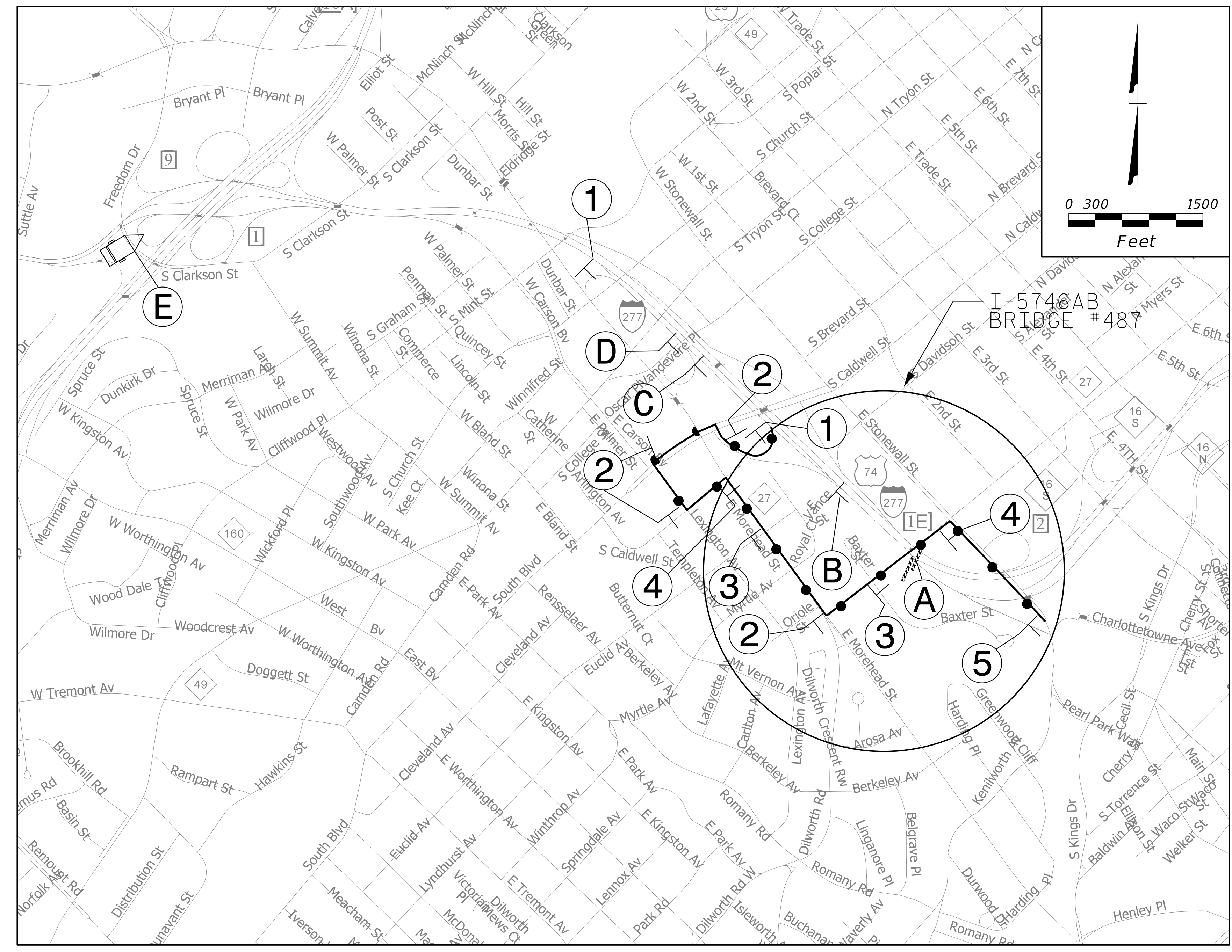
DocuSigned by:
John P. Mazeres
SEAL 043935
ENGINEER
JOHN P. MAZERES

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UNLESS ALL SIGNATURES COMPLETED**



OFFSITE DETOUR 26 SIGNING AND ROAD CLOSURE SIGNING

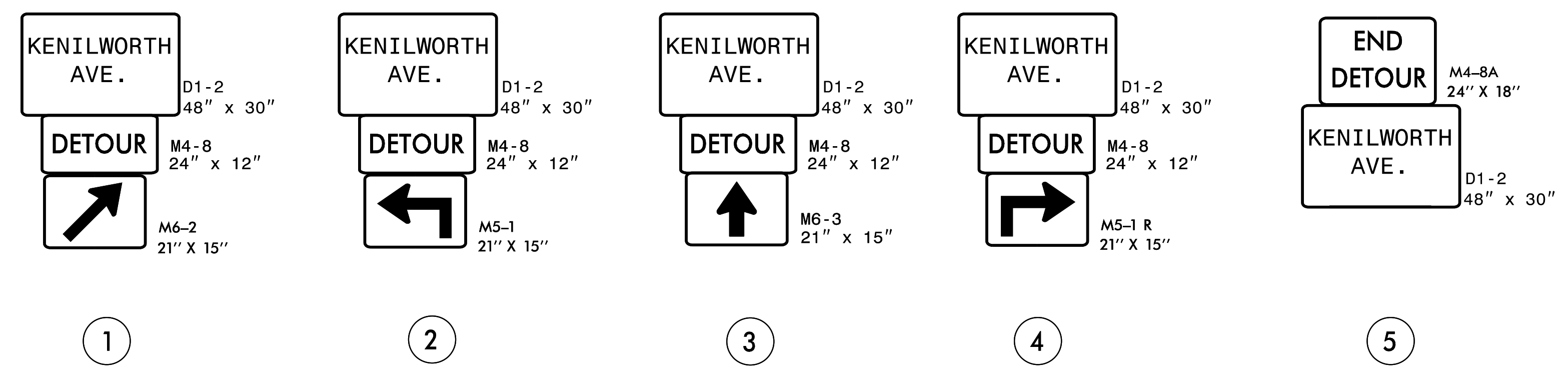
4/24/2017
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User:jmazer



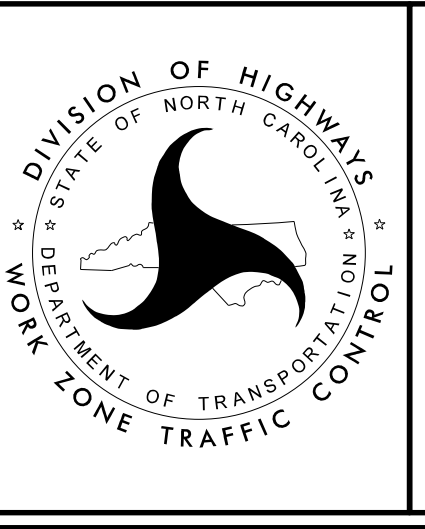
MESSAGE NO. 1	MESSAGE NO. 2
EXIT 2A CLOSED AHEAD	FOLLOW KENILWORTH DETOUR
CHANGEABLE MESSAGE SIGN	

DETOUR DESCRIPTION:
 I-277 NB EXIT 1E, FRONTAGE ROAD TO SOUTH BLVD. TO LEXINGTON AVE. TO S. CALDWELL ST. TO E. MOREHEAD ST./US29 TO S. MCDOWELL ST./NC27 TO E. STONEWALL ST.

- NOTES:**
- TRAFFIC CONTROL DEVICES ① THRU ⑤ AND ①A THRU ①E SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.
 - FOR DETOUR DESTINATION SIGNS, SEE SIGN DETAIL SHEETS.

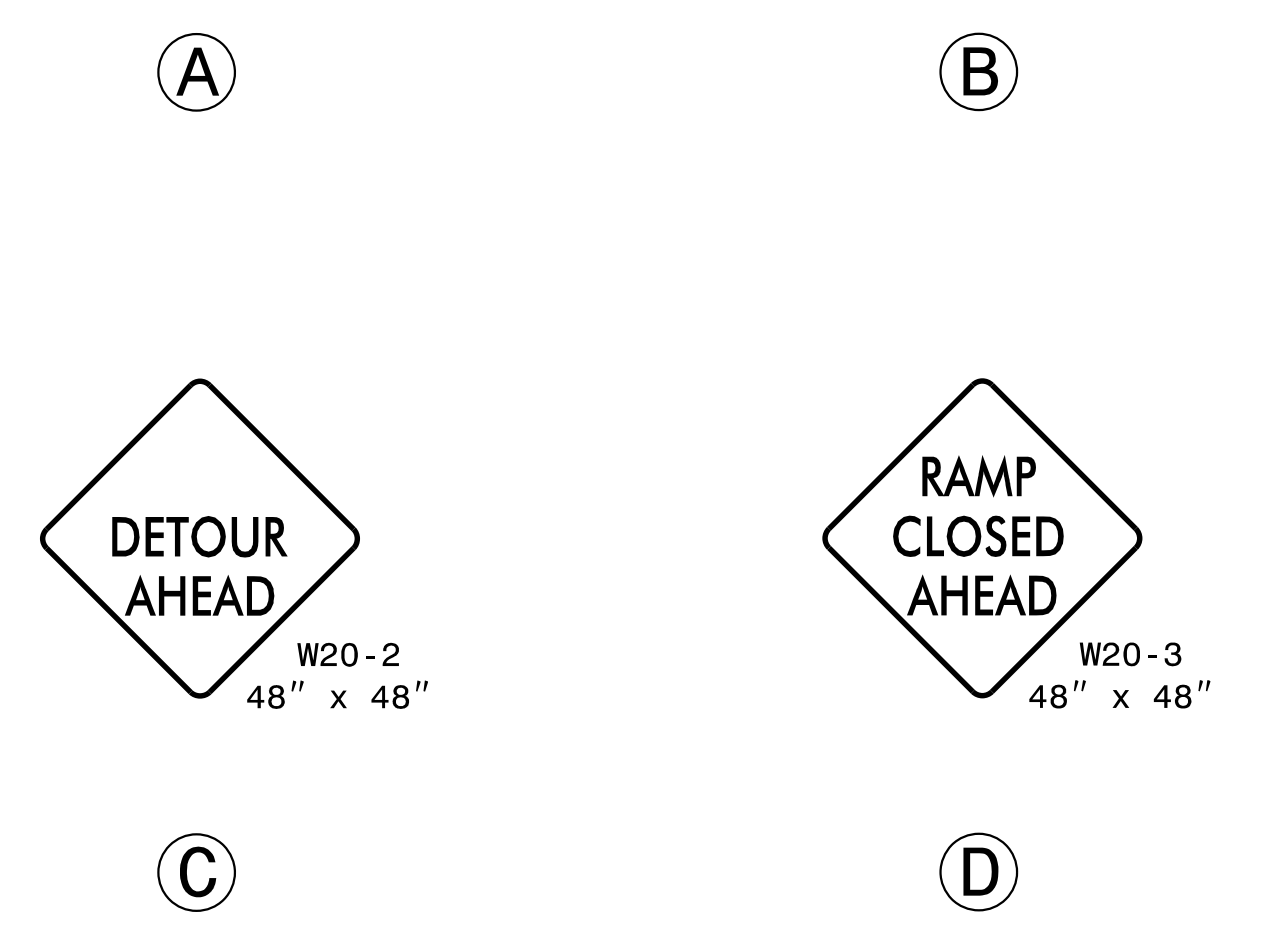
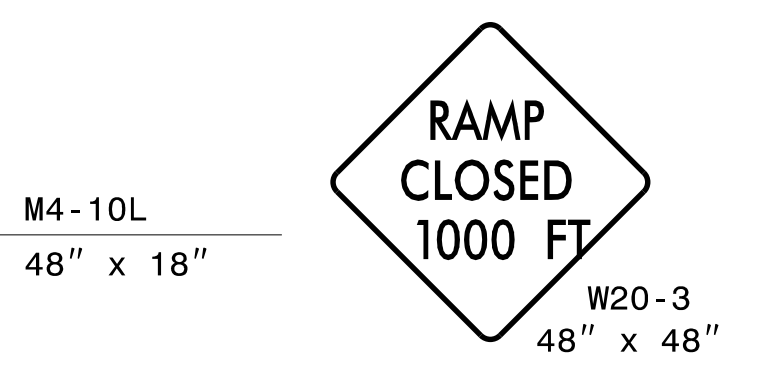
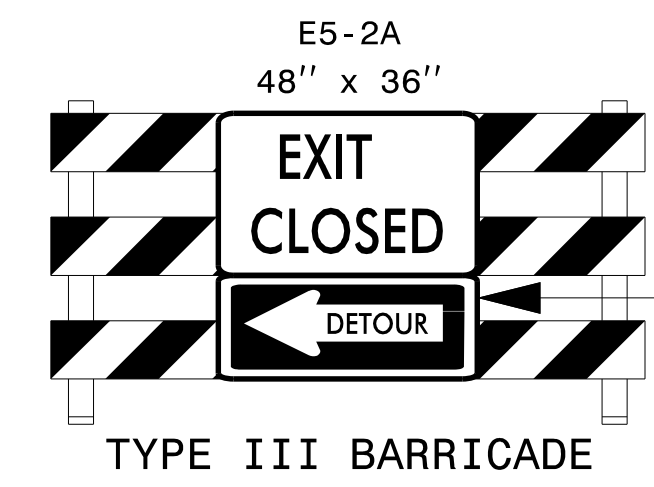
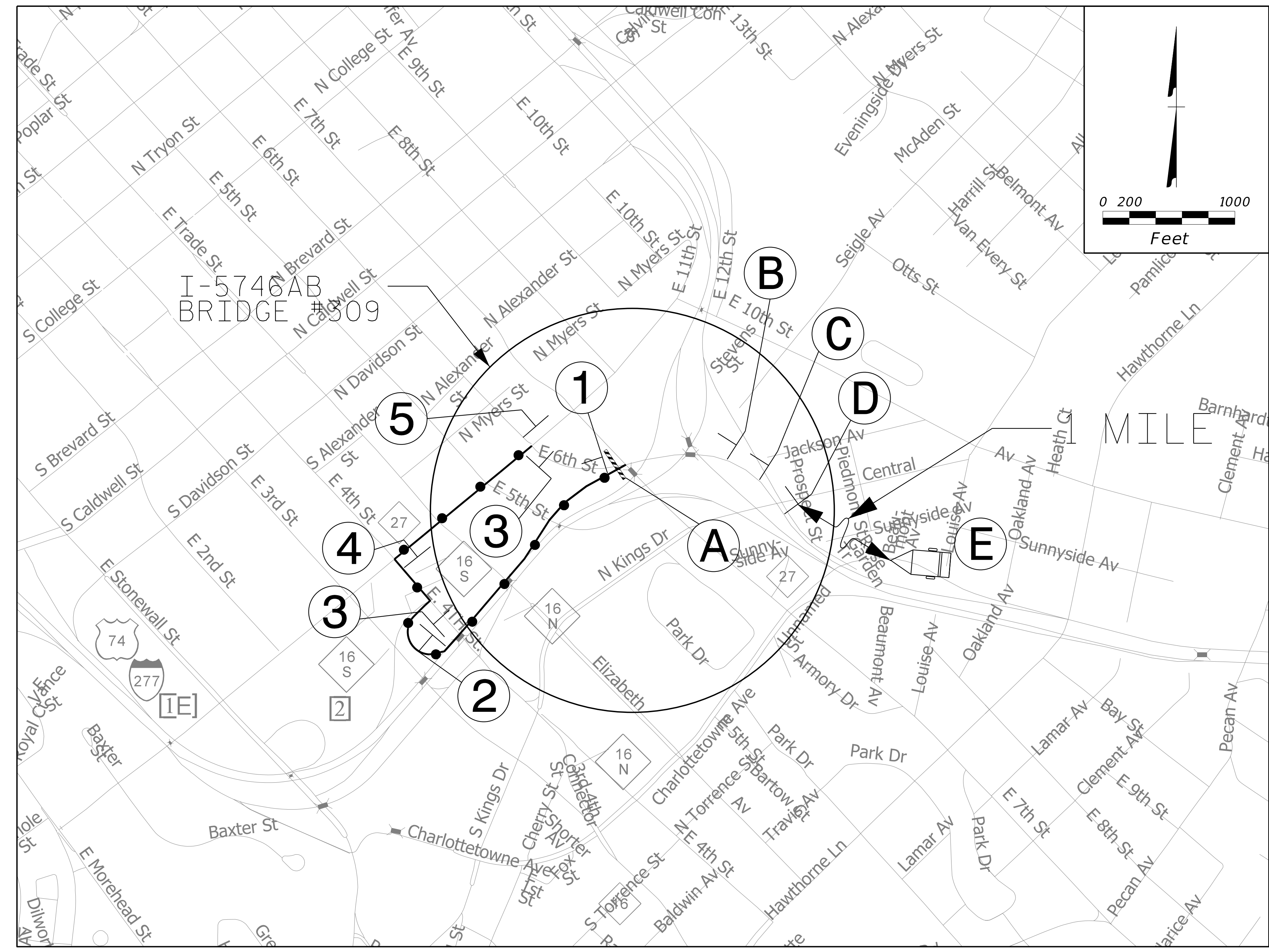


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 John P. Mazeres
 SEAL 043935
 PROFESSIONAL ENGINEER
 JOHN P. MAZERES



OFFSITE DETOUR 27 SIGNING AND ROAD CLOSURE SIGNING

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 User: jmazeres



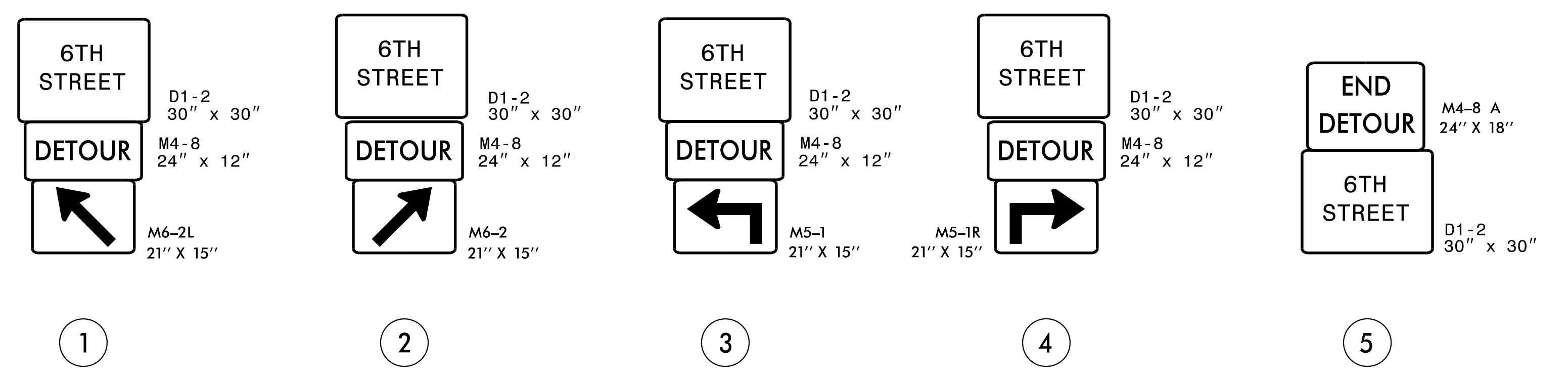
MESSAGE NO. 1	MESSAGE NO. 2
EXIT TO 6TH ST CLOSED	FOLLOW 6TH ST DETOUR
CHANGEABLE MESSAGE SIGN	

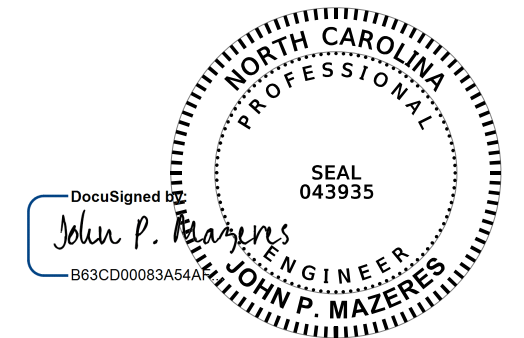
DETOUR DESCRIPTION:

US 74 WB EXIT 2A TO E. 4TH ST./NC16 TO S. MCDOWELL ST./NC27 TO E 6TH ST.

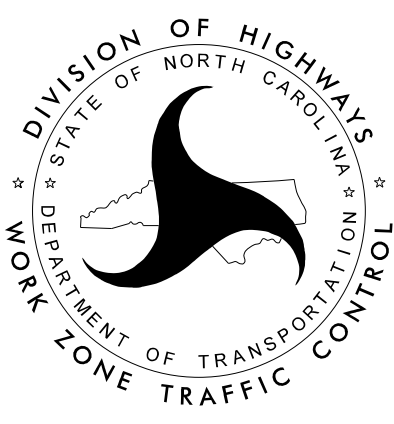
NOTES:

TRAFFIC CONTROL DEVICES ① THRU ⑤ AND ①A THRU ①E SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.



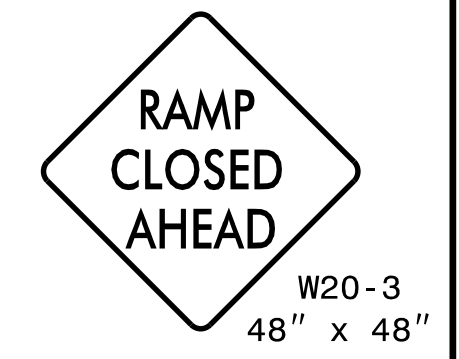
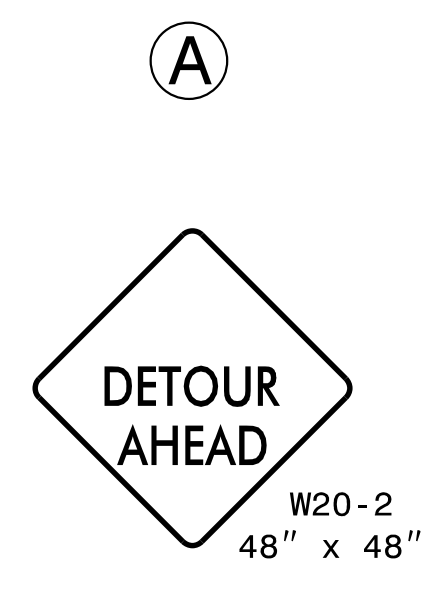
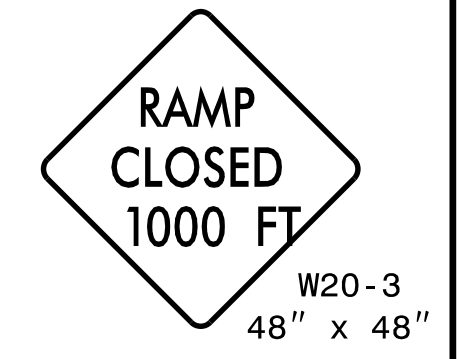
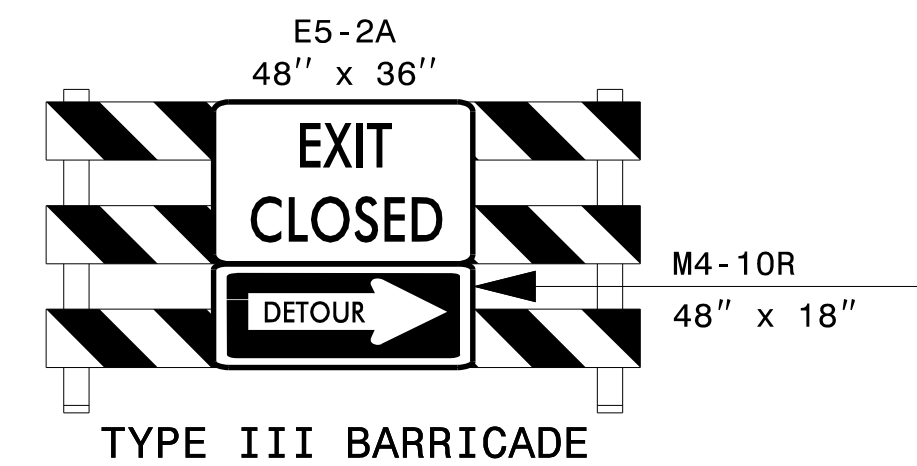
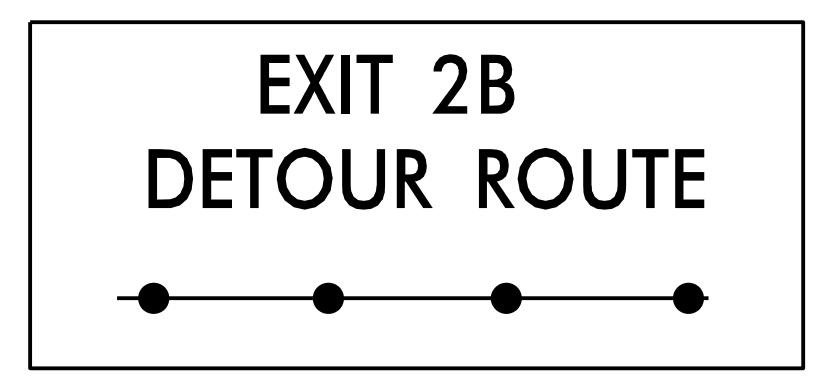
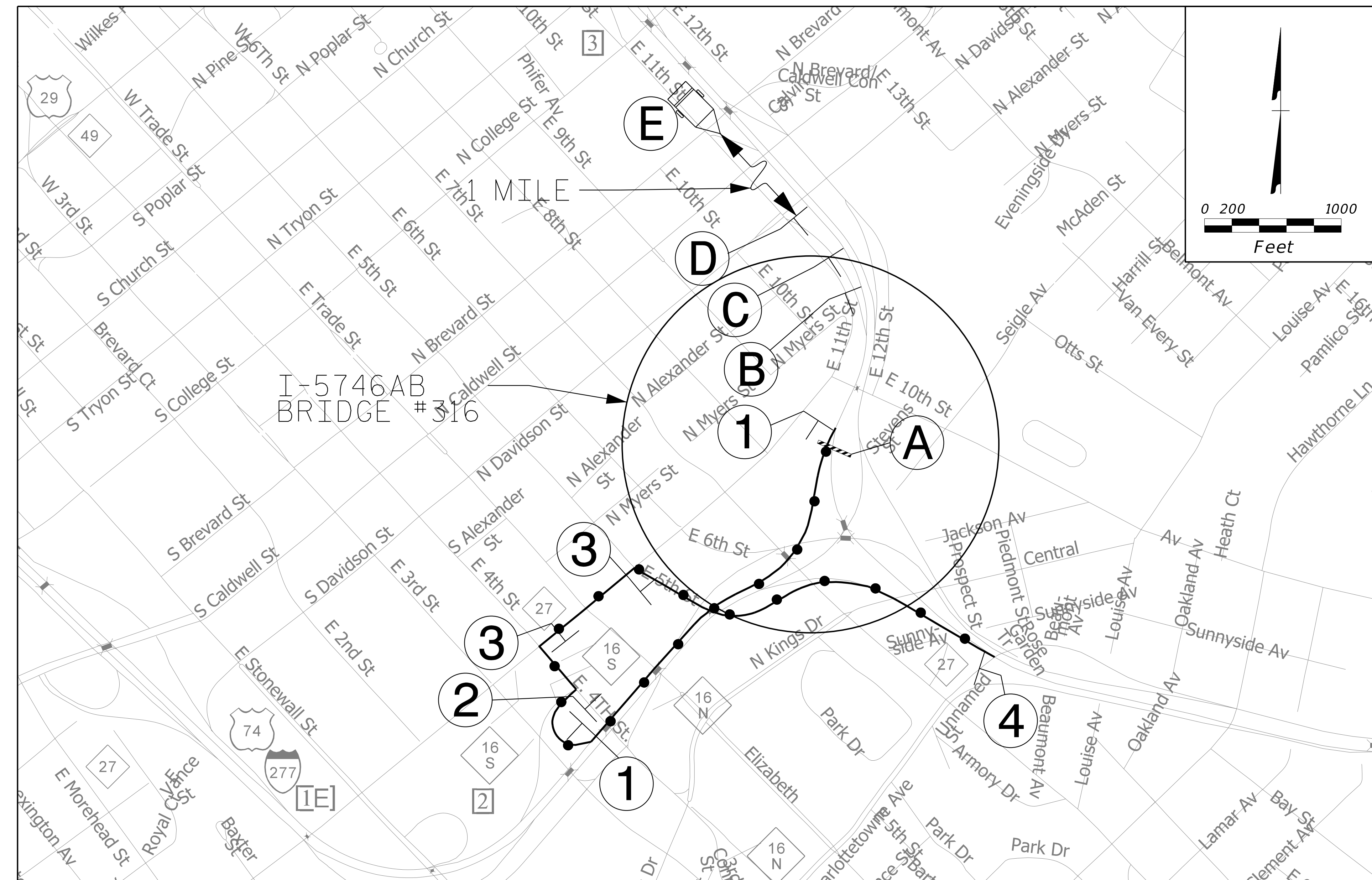
DocuSigned by:

 JOHN P. MAZERES
 PROFESSIONAL ENGINEER
 No. 043935

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**OFFSITE DETOUR 28
 SIGNING AND ROAD
 CLOSURE SIGNING**

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 User: jmazeres



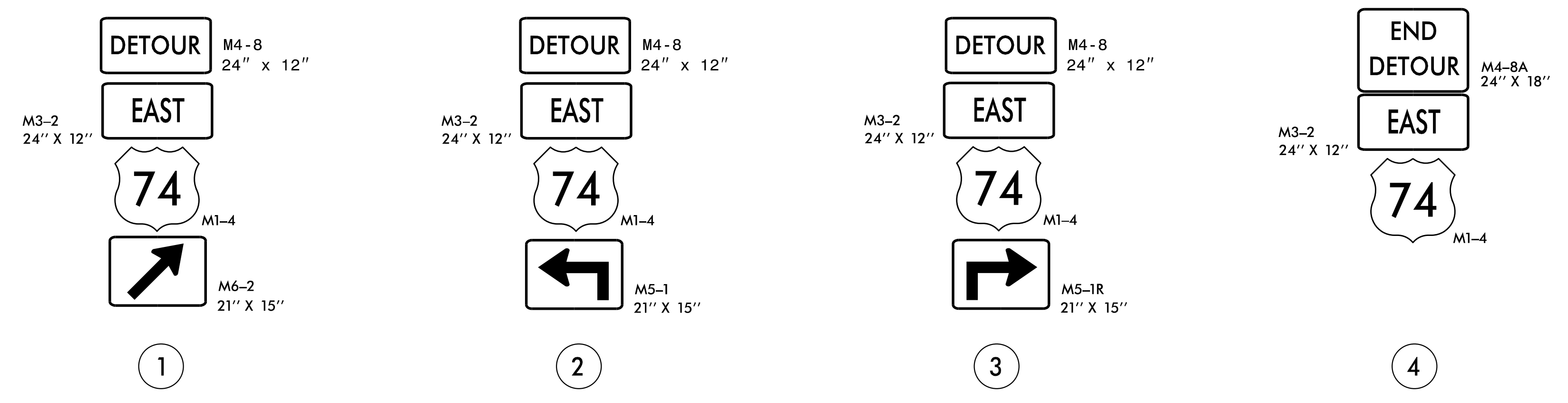
MESSAGE NO. 1	MESSAGE NO. 2
EXIT 2B CLOSED AHEAD	FOLLOW US 74 EB DETOUR
CHANGEABLE MESSAGE SIGN	

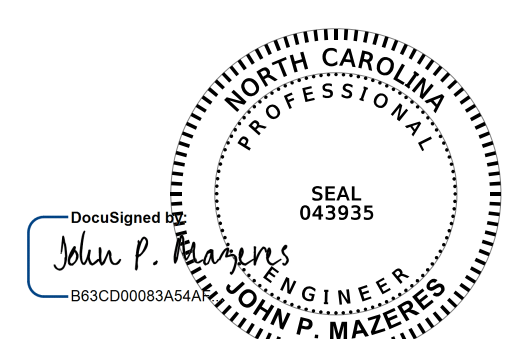
DETOUR DESCRIPTION:

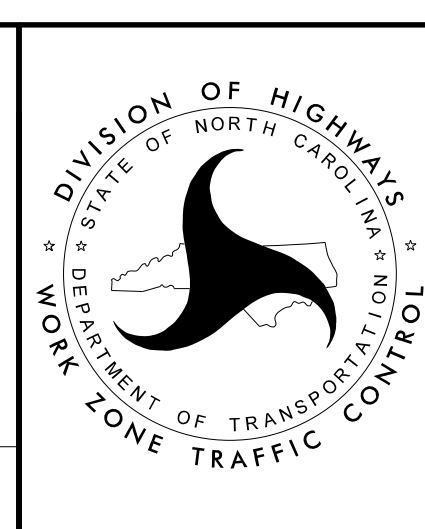
I-277 SB EXIT 2A TO E. 4TH ST./NC16 TO S. MCDOWELL ST./NC27 TO E. 5TH ST. TO US 74 EB ENTRANCE RAMP

NOTES:

TRAFFIC CONTROL DEVICES ① THRU ④ AND ①A THRU ①E SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.



DocuSigned by:

John P. Mazeres
 PROFESSIONAL ENGINEER
 JOHN P. MAZERES



OFFSITE DETOUR 29 SIGNING AND ROAD CLOSURE SIGNING

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 User:jmazeres