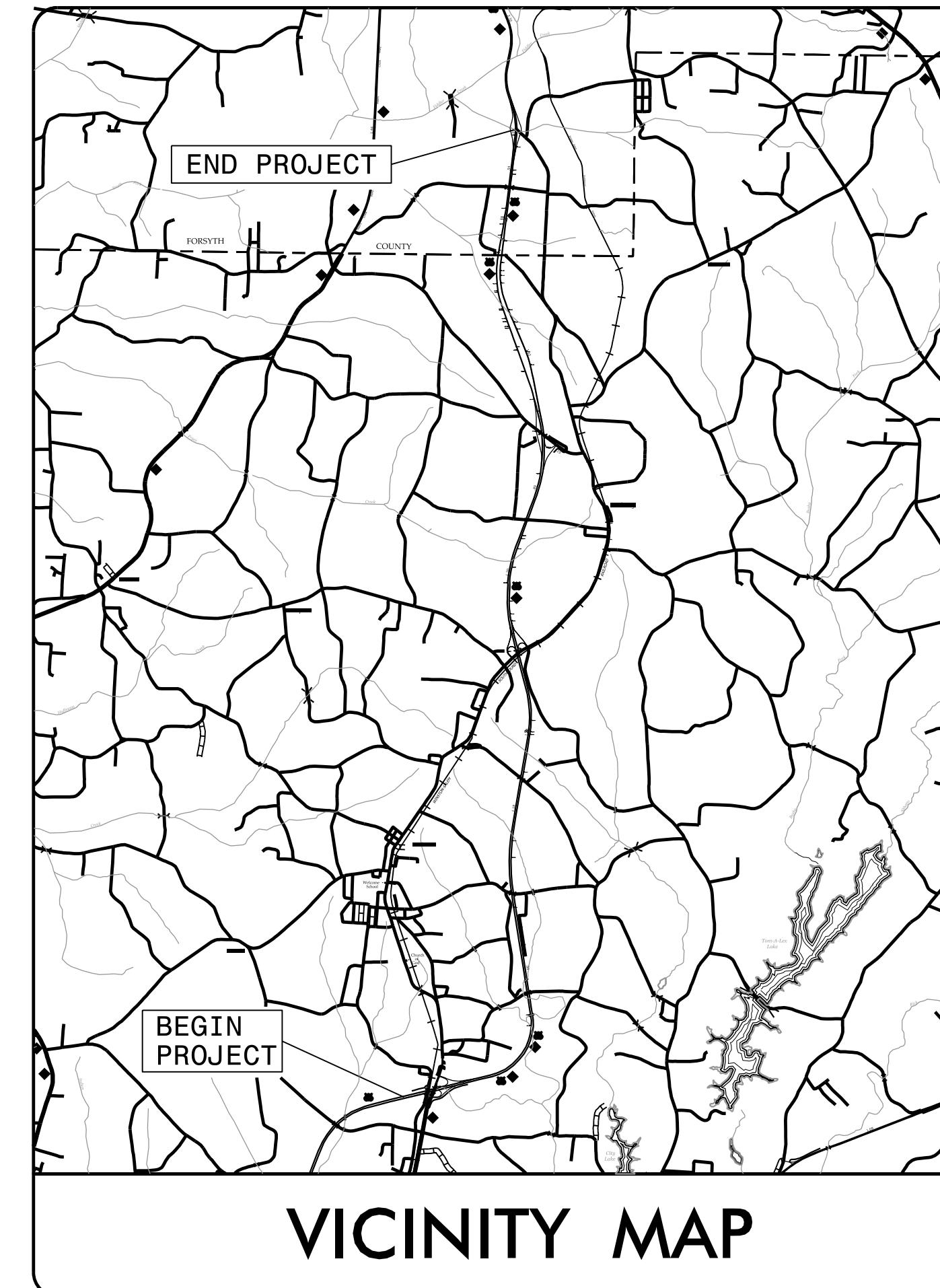
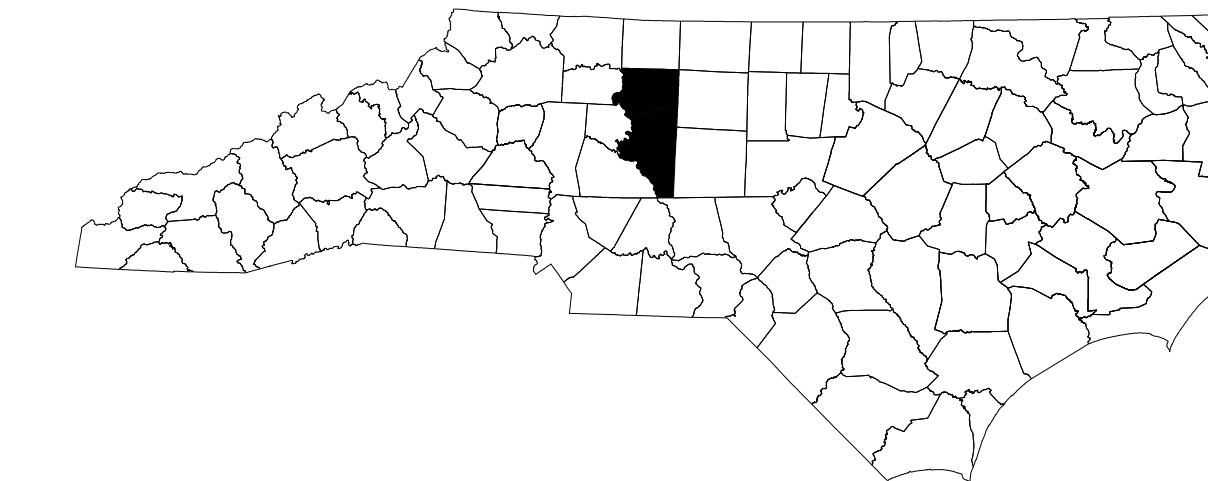


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**  
**DAVIDSON & FORSYTH COUNTIES**



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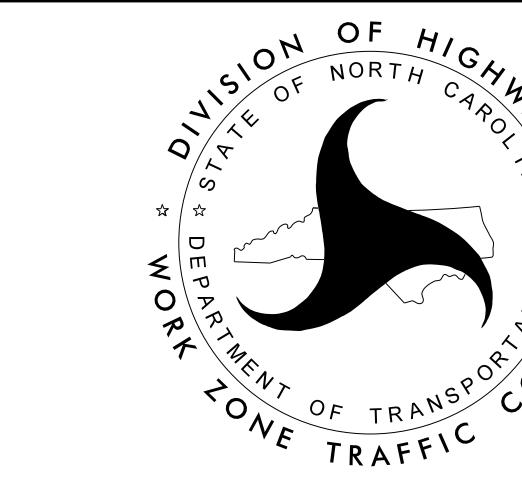


**PLANS PREPARED BY:**

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**PROJECT ENGINEER**  
ABRAHAM WILES  
**PROJECT DESIGN ENGINEER**

**NC DOT CONTACTS:**

DAN ULRICH, PE, PLS  
**PROJECT MANAGER**

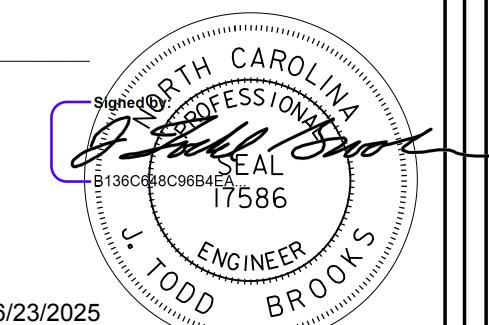


**PLAN PREPARED FOR N.C.D.O.T. BY:**

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RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

**APPROVED:** \_\_\_\_\_

**DATE:** \_\_\_\_\_



6/23/2025

**INDEX OF SHEETS**

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	ROADWAY STANDARD DRAWINGS & LEGEND
TMP-1B	TYPICAL SECTIONS FOR LANE CLOSURES ADJACENT TO SLAB REPAIR
TMP-2 THRU TMP-2B	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES AND GENERAL NOTES)
TMP-3 THRU TMP-3I	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4 THRU TMP-8	PROJECT OVERVIEW SHEETS
TMP-9 THRU TMP-22A	DETOUR ROUTES
TMP-23	TEMPORARY SIGN DESIGN

**TIP PROJECT: HI-0005**

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

## ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
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 - TYPE III
1165.01	TRUCK MOUNTED ATTENUATOR
1180.01	SKINNY-DRUMS
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
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.12	PAVEMENT MARKINGS - BRIDGES

## LEGEND

### GENERAL

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



### PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

### TRAFFIC CONTROL DEVICES

- |||| BARRICADE (TYPE III)
- ▲ CONE
- DRUM WITH SEQUENTIAL FLASHING WARNING LIGHTS
- DRUM (○ SKINNY DRUM ○ TUBULAR MARKER)
- ~~~~ TEMPORARY CRASH CUSHION
- FLASHING ARROW BOARD
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- CHANGEABLE MESSAGE SIGN

### TEMPORARY SIGNING

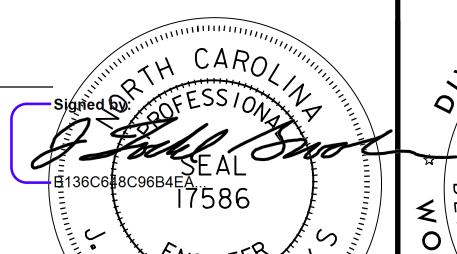
- △ PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

### PAVEMENT MARKERS

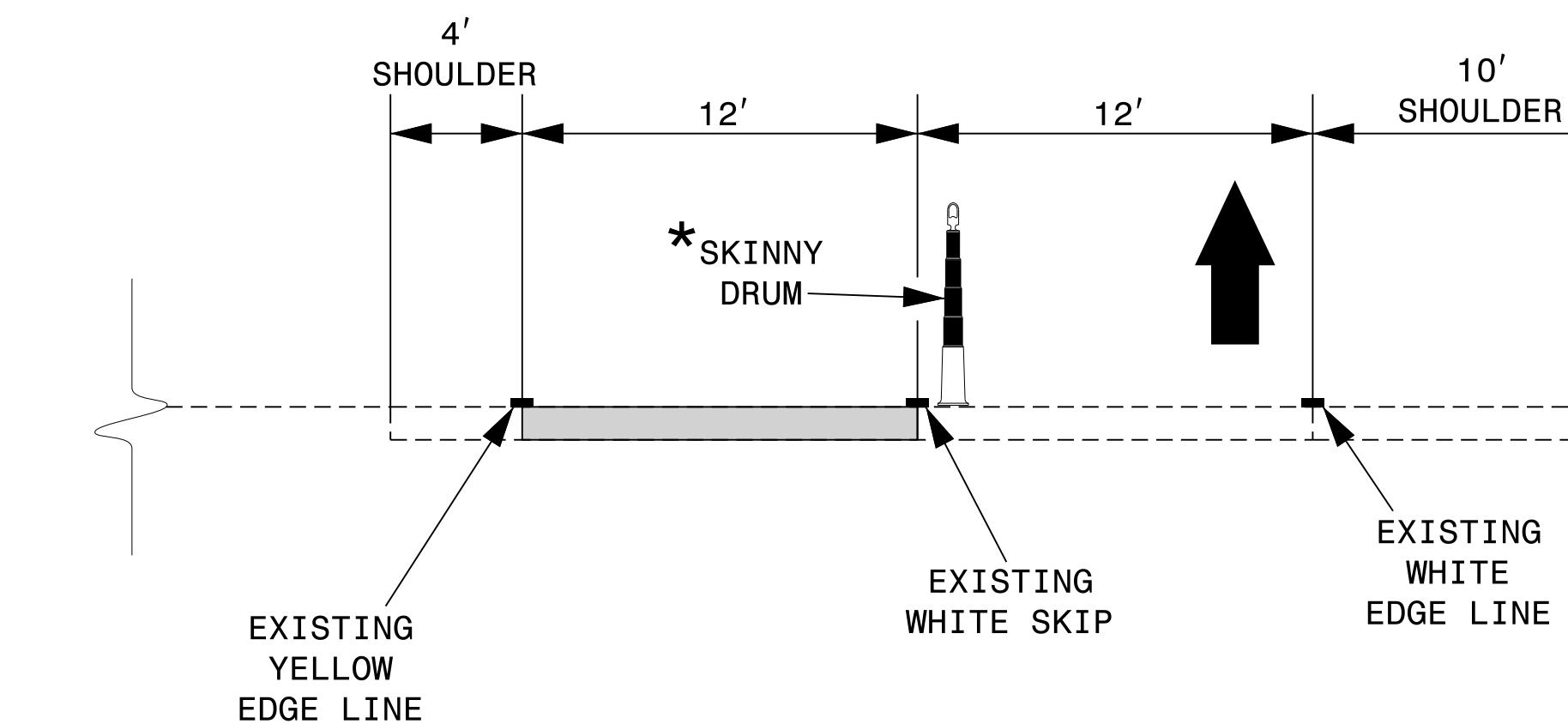
- CRYSTAL/CRYSTAL
- CRYSTAL/RED
- ◆ YELLOW/YELLOW

### PAVEMENT MARKING SYMBOLS



APPROVED: _____	 <b>J. Todd Brooks</b> ENGINEER 6/23/2025	 <b>Division of Highway Construction</b> STATE OF NORTH CAROLINA 6/23/2025
DATE: _____		
SEAL	<b>ROADWAY STANDARD DRAWINGS &amp; LEGEND</b>	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>		

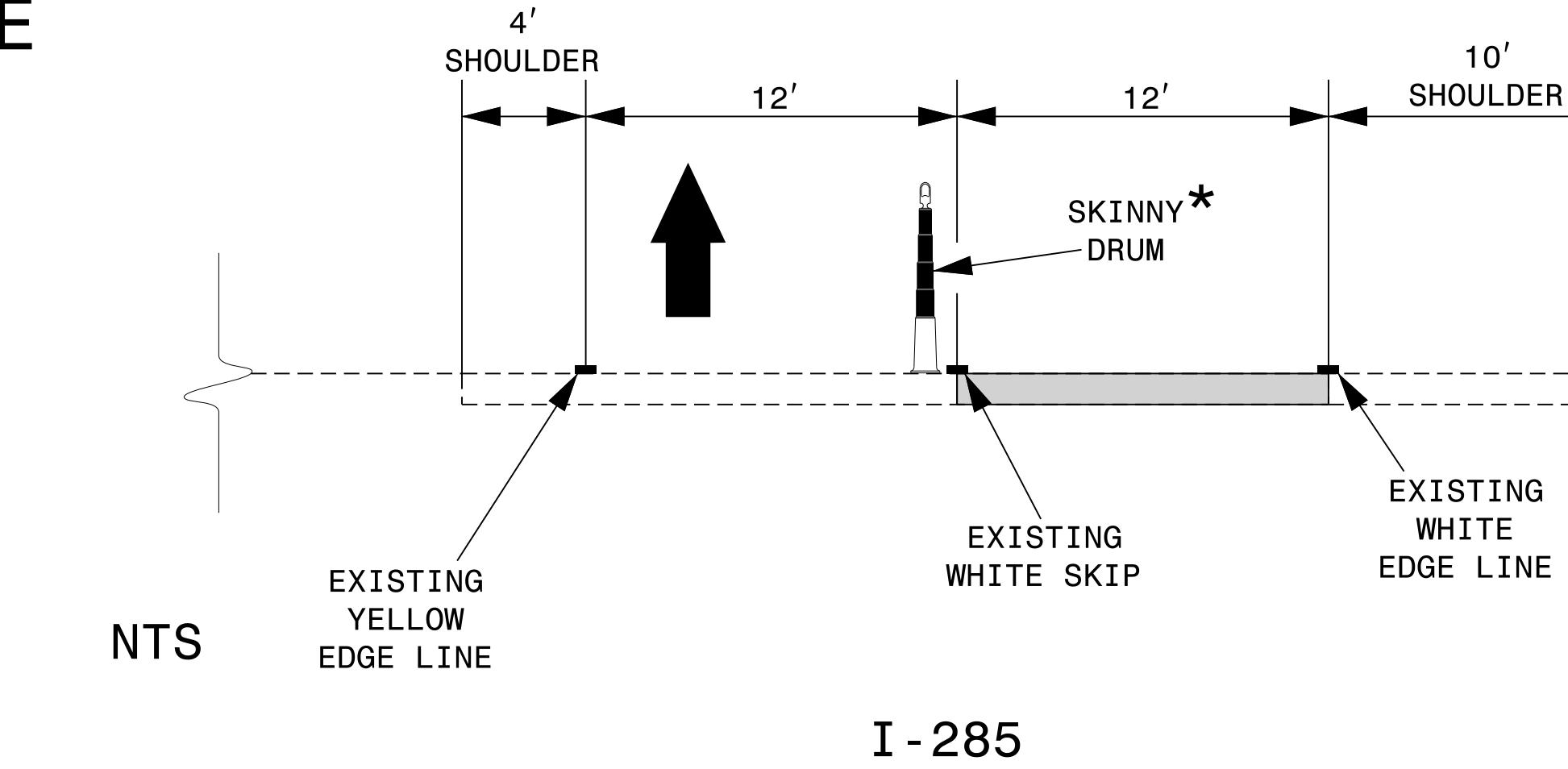
## WORK ON INSIDE THROUGH LANE



\* CONTRACTOR MAY USE SKINNY DRUMS IN THE LONGITUDINAL PORTION OF LANE CLOSURES. USE STANDARD DRUMS IN TAPERS. HOWEVER, DO NOT MIX SKINNY DRUMS WITH STANDARD DRUMS IN EITHER TAPERS OR LONGITUDINAL RUNS OF LANE CLOSURE DEVICES.

NTS

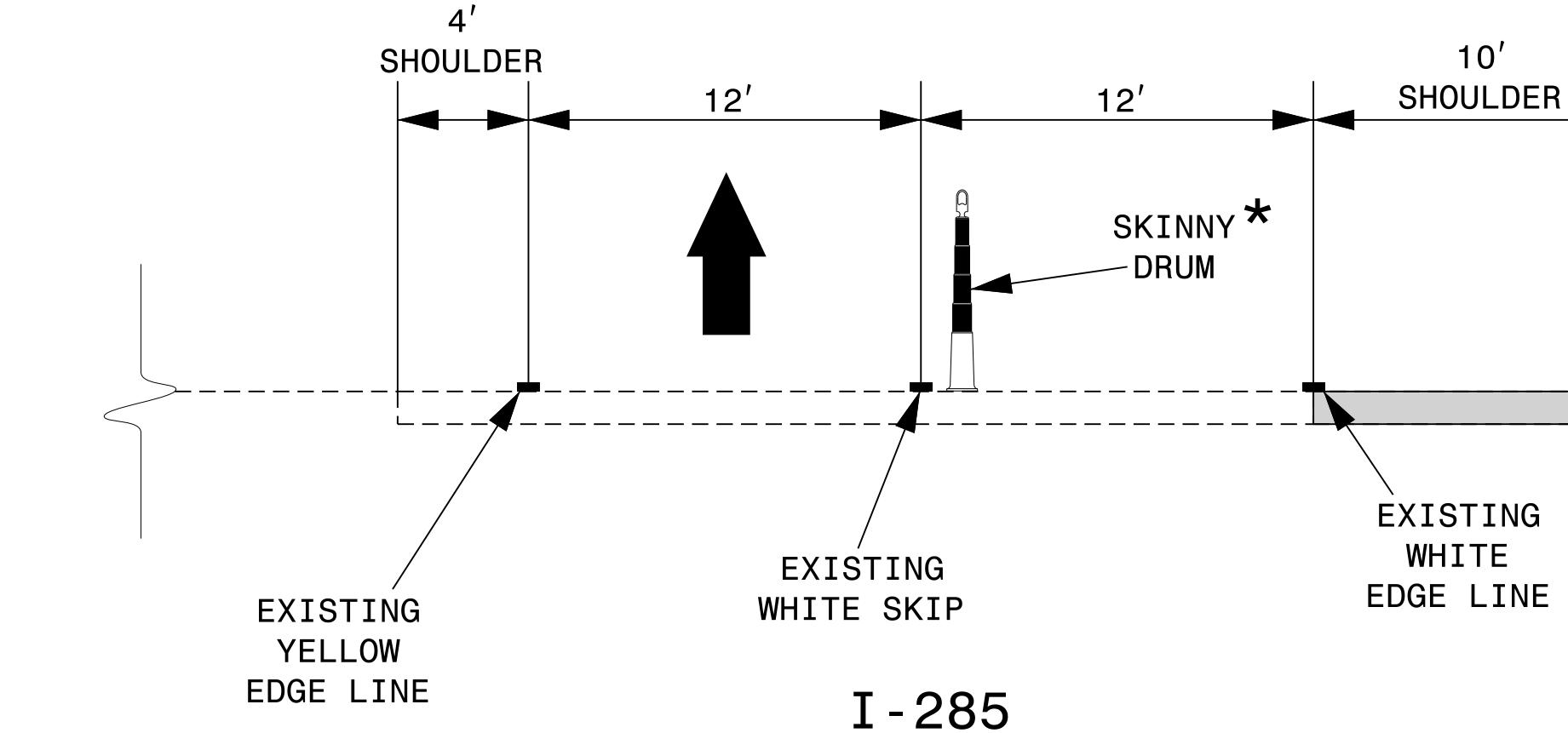
## WORK ON OUTSIDE THROUGH LANE



\* CONTRACTOR MAY USE SKINNY DRUMS IN THE LONGITUDINAL PORTION OF LANE CLOSURES. USE STANDARD DRUMS IN TAPERS. HOWEVER, DO NOT MIX SKINNY DRUMS WITH STANDARD DRUMS IN EITHER TAPERS OR LONGITUDINAL RUNS OF LANE CLOSURE DEVICES.

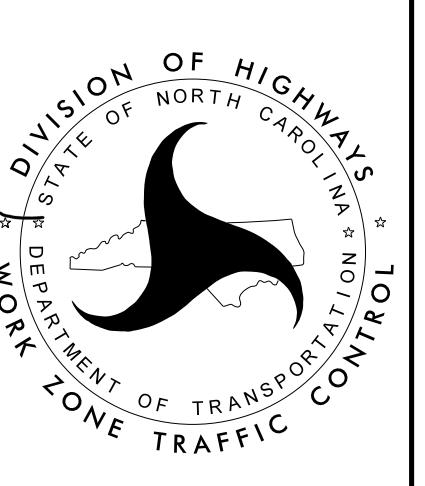
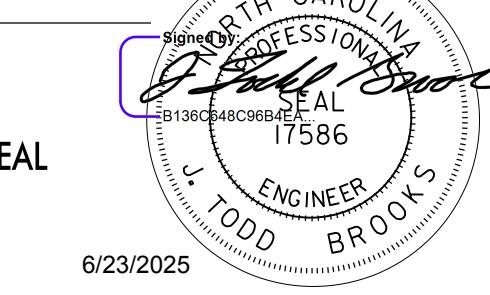
NTS

## WORK ON OUTSIDE SHOULDER



\* CONTRACTOR MAY USE SKINNY DRUMS IN THE LONGITUDINAL PORTION OF LANE CLOSURES. USE STANDARD DRUMS IN TAPERS. HOWEVER, DO NOT MIX SKINNY DRUMS WITH STANDARD DRUMS IN EITHER TAPERS OR LONGITUDINAL RUNS OF LANE CLOSURE DEVICES.

NTS



## MANAGEMENT STRATEGIES

THE RECOMMENDED MANAGEMENT STRATEGIES RELATIVE TO THIS TMP ARE AS FOLLOWS:

- \* SHOULDER CLOSURES
- \* SINGLE LANE CLOSURES
- \* RAMP/LOOP CLOSURES AND DETOURS
- \* LAW ENFORCEMENT
- \* CHANGEABLE MESSAGE SIGNS

## GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

### TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW A SINGLE LANE TRAVEL LANE AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
I-285, INCLUDING ANY RAMP AND/OR LOOP	MONDAY THRU FRIDAY 6:00 AM TO 9:00 AM & 3:00 PM TO 6:00 PM

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

ROAD NAME
I-285, INCLUDING ANY RAMP AND/OR LOOP

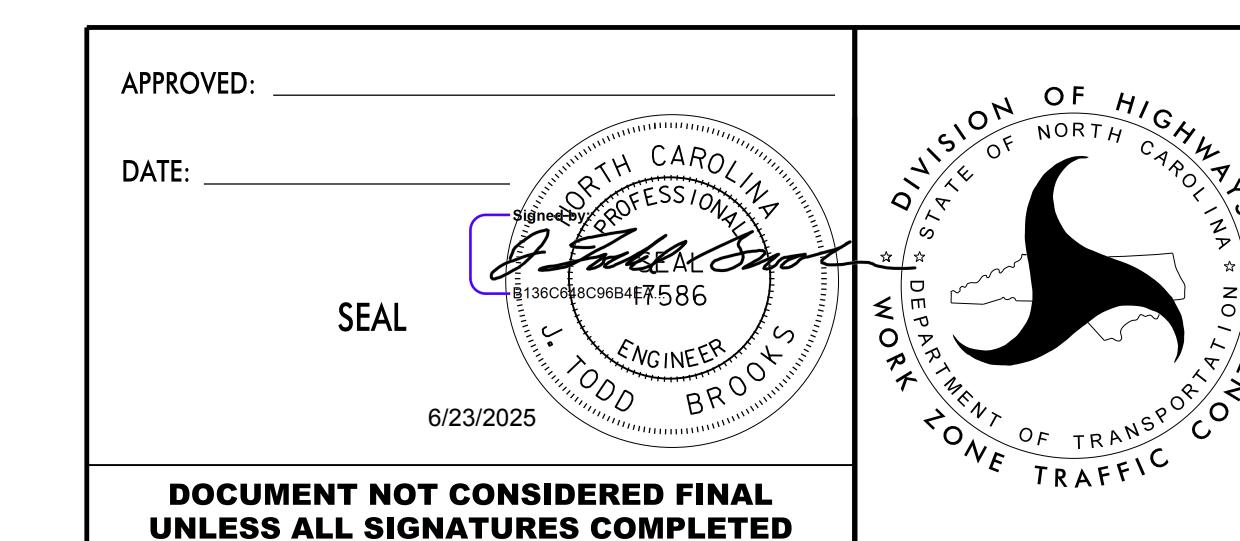
### HOLIDAY

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

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN BETWEEN THE HOURS OF 6:00 AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 PM THE TUESDAY AFTER INDEPENDENCE DAY.

6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY AND 6:00 PM TUESDAY.

(CONTINUED ON TMP-2A)



(CONTINUED FROM TMP-2)

**GENERAL NOTES**

PROJ. REFERENCE NO.	SHEET NO.
HI - 0005	TMP - 2A

B) - CONT.

7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 AM TUESDAY AND 6:00 PM MONDAY.

8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

SPECIAL EVENTS

9. FOR THE BARBECUE FESTIVAL OCCURRING IN LEXINGTON, NORTH CAROLINA, BETWEEN FOUR (4) HOURS BEFORE THE START AND FOUR (4) HOURS AFTER THE END OF THE BARBECUE FESTIVAL. (REFER TO WWW.THEBARBECUEFESTIVAL.COM FOR DATE AND TIMES OF THE ANNUAL BARBECUE FESTIVAL)

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
ANY RAMP / LOOP	MONDAY THROUGH SUNDAY, 6:00 AM TO 9:00 PM

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

**LANE AND SHOULDER CLOSURE REQUIREMENTS**

- E) 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.
- F) 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 IS CLOSURE IS INSTALLED.
- G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 5 FT OF AN OPEN TRAVEL LANE ON AN UNDIVIDED FACILITY, 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 10 FT OF AN OPEN TRAVEL LANE ON A DIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1102.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

- H) 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 REMAINS WITHIN THE CLOSED TRAVEL LANE.
- I) 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.
- J) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON I-285.

**PAVEMENT EDGE DROP OFF REQUIREMENTS**

K) BACKFILL AT 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPAKTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

L) 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) 1000 FT. IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

**TRAFFIC PATTERN ALTERATIONS**

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

**SIGNING**

N) 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.

O) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLAN.

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

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

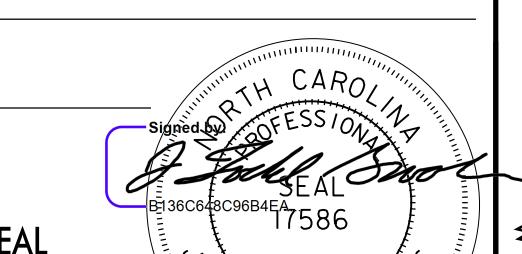
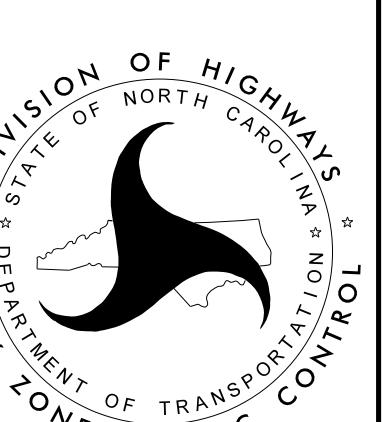
Q) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

R) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 1000 FT. IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

**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 OPENED TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.

(CONTINUED ON TMP-2B)

APPROVED: _____	DATE: _____	 J. Todd Brooks ENGINEER 6/23/2025 17586 NC COA No. F-0929	 WORK ZONE TRANSPORTATION OPERATIONS PLAN
SEAL	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

 **Dewberry**

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 PHONE: 919.881.9939  
 NC COA No. F-0929

(CONTINUED FROM TMP-2A)

PROJ. REFERENCE NO.	SHEET NO.
HI - 0005	TMP - 2B

## GENERAL NOTES

### TRAFFIC CONTROL DEVICES - CONT.

- T) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE THE ENTIRE ROADWAY.
- U) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES DRUMS PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

### PAVEMENT MARKINGS AND MARKERS

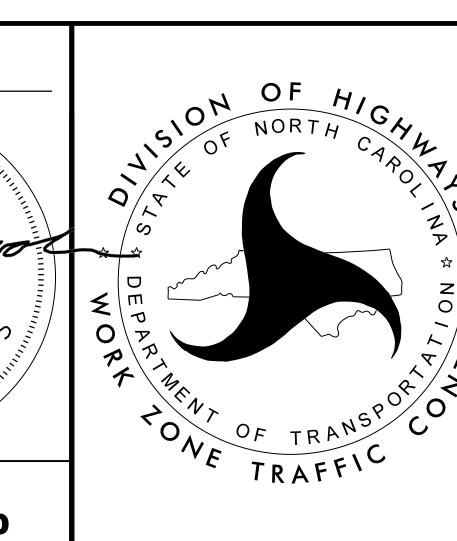
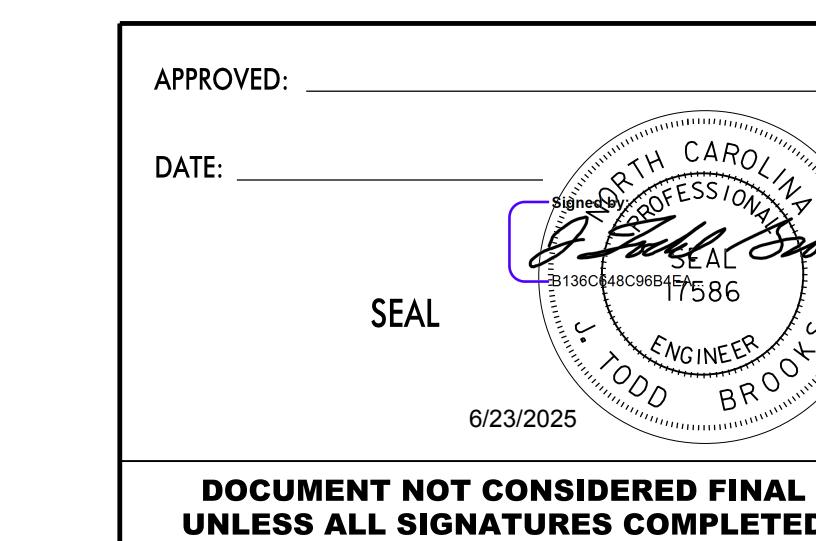
- V) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
I-285 AND ALL RAMPS	PAINT	NONE

- W) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- X) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- Y) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS BY THE END OF EACH DAY'S OPERATION.

### MISCELLANEOUS

- Z) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.



## PHASING

### PHASE I

WORK MAY BE PERFORMED IN ANY ORDER AS LONG AS IT ABIDES BY THE CONDITIONS SET FORTH IN THE RESTRICTIONS / CONDITIONS COLUMN OF THE TABLE.

NUMBER	TMP SHEET NO.	LOCATION	DESCRIPTION	METHOD	RESTRICTIONS / CONDITIONS (SEE NOTE 1)
1	TMP-4	I-285/US 52/NC 8 SOUTHBOUND	MM92.34 EXIT 92 SOUTHBOUND ON-LOOP ACCELERATION LANE	RSD 1101.02, SHEET 10 OF 19	DO NOT PERFORM LOCATION 1 SLAB REHABILITATION AT THE SAME TIME AS LOCATION 2.  WHEN WORK ENCROACHES UPON THE 400' ACCELERATION LANE PER NOTE '2' OF RSD 1101.02, SHEET 10 OF 19, CLOSE RAMP AND DETOUR TRAFFIC AS SHOWN ON SHEET TMP-9. (SEE NOTE 2)
2	TMP-4	I-285/US 52/NC 8 SOUTHBOUND	MM92.39 TWO SOUTHBOUND THRU LANES	RSD 1101.02, SHEET 4 OF 19	DO NOT PERFORM LOCATION 2 SLAB REHABILITATION AT THE SAME TIME AS LOCATION 1.  CLOSE THE EXIT 92 SB ON LOOP AND DETOUR TRAFFIC AS SHOWN ON SHEET TMP-9. USE ALTERNATE LANE CLOSURES TO PERFORM WORK.
3	TMP-4	I-285/US 52/NC 8 NORTHBOUND	MM92.50 TWO NORTHBOUND THRU LANES	RSD 1101.02, SHEET 4 OF 19	USE ALTERNATE LANE CLOSURES TO PERFORM WORK. ALSO REFER TO RSD 1101.02, SHEET 11 OF 19 WHEN THESE LANE CLOSURES IMPACT ACCESS TO THE NORTHBOUND I-285 EXIT 92 OFF RAMP.
4	TMP-4	I-285/US 52/NC 8 SOUTHBOUND	MM92.60 ONE INSIDE SOUTHBOUND THRU LANE	RSD 1101.02, SHEET 4 OF 19	DO NOT PERFORM LOCATION 4 SLAB REHABILITATION AT THE SAME TIME AS LOCATION 5.
5	TMP-4	I-285/US 52/NC 8 SOUTHBOUND	MM92.66 ONE OUTSIDE SOUTHBOUND THRU LANE	RSD 1101.02, SHEET 4 OF 19	DO NOT PERFORM LOCATION 5 SLAB REHABILITATION AT THE SAME TIME AS LOCATION 4. ALSO REFER TO RSD 1101.02, SHEET 11 OF 19 WHEN THIS LANE CLOSURE IMPACTS ACCESS TO THE SOUTHBOUND EXIT 92 OFF RAMP.
6	TMP-4	I-285/US 52/NC 8 SOUTHBOUND	MM93.62 TWO SOUTHBOUND THRU LANES	RSD 1101.02, SHEET 4 OF 19	PERFORM LOCATION 6 AND LOCATION 7 SLAB REHABILITATION AT THE SAME TIME. ALTERNATELY CLOSE THE SOUTHBOUND I-285/US 52/NC 8 THROUGH LANES SPANNING BOTH LOCATIONS.
7	TMP-4	I-285/US 52/NC 8 SOUTHBOUND	MM93.73 TWO SOUTHBOUND THRU LANES	RSD 1101.02, SHEET 4 OF 19	WORK ON BOTH LOCATIONS BEHIND THAT SINGLE LANE CLOSURE.

NOTES: 1. REOPEN ALL LANES AT THE END OF THE WORK PERIOD.  
2. DO NOT CLOSE MORE THAN ONE RAMP OR LOOP AT A TIME.

**PHASING**

PROJ. REFERENCE NO.	SHEET NO.
HI-0005	TMP-3A

**PHASE I**

WORK MAY BE PERFORMED IN ANY ORDER AS LONG AS IT ABIDES BY THE CONDITIONS SET FORTH IN THE RESTRICTIONS / CONDITIONS COLUMN OF THE TABLE.

NUMBER	TMP SHEET NO.	LOCATION	DESCRIPTION	METHOD	RESTRICTIONS / CONDITIONS (SEE NOTE 1)
8	TMP-4	I-285/US 52/NC 8 NORTHBOUND	MM94.46 ONE INSIDE NORTHBOUND THRU LANE	RSD 1101.02, SHEET 4 OF 19	DUE TO THEIR CLOSE PROXIMITY AND DIFFERING LANE CLOSURE REQUIREMENTS, DO NOT SIMULTANEOUSLY CONSTRUCT LOCATIONS 8 AND 9.
9	TMP-4	I-285/US 52/NC 8 NORTHBOUND	MM94.64 TWO NORTHBOUND THRU LANES	RSD 1101.02, SHEET 4 OF 19	DUE TO THEIR CLOSE PROXIMITY AND DIFFERING LANE CLOSURE REQUIREMENTS, DO NOT SIMULTANEOUSLY CONSTRUCT LOCATIONS 8 AND 9. USE ALTERNATE LANE CLOSURES TO PERFORM WORK.
10	TMP-4	I-285/US 52/NC 8 SOUTHBOUND	MM94.84 ONE OUTSIDE SOUTHBOUND THRU LANE	RSD 1101.02, SHEET 4 OF 19	NONE
11	TMP-5	I-285/US 52/NC 8 NORTHBOUND	MM95.35 ONE NORTHBOUND OUTSIDE THRU LANE	RSD 1101.02, SHEET 4 OF 19	PERFORM LOCATION 11 AND LOCATION 12 SLAB REHABILITATION AT THE SAME TIME. CLOSE THE NORTHBOUND I-285/US 52/NC 8 OUTSIDE THROUGH LANE SPANNING BOTH LOCATIONS. WORK ON BOTH LOCATIONS BEHIND THAT SINGLE LANE CLOSURE.
12			MM95.52 ONE NORTHBOUND OUTSIDE THRU LANE		
13	TMP-5	I-285/US 52/NC 8 NORTHBOUND	MM96.23 ONE OUTSIDE NORTHBOUND THRU LANE	RSD 1101.02, SHEET 4 OF 19	NONE
14	TMP-5	I-285/US 52/NC 8 NORTHBOUND	MM96.62 TWO NORTHBOUND THRU LANES	RSD 1101.02, SHEET 4 OF 19	PERFORM LOCATIONS 14, 15 & 16 SLAB REHABILITATIONS AT THE SAME TIME. ALTERNATELY CLOSE THE NORTHBOUND I-285/US 52/NC 8 THROUGH LANES SPANNING ALL THREE LOCATIONS. WORK ON ALL LOCATIONS BEHIND THAT SINGLE LANE CLOSURE.
15			MM96.64 TWO NORTHBOUND THRU LANES		
16			MM96.76 TWO NORTHBOUND THRU LANES		
17	TMP-5	I-285/US 52/NC 8 SOUTHBOUND	MM96.65 ONE OUTSIDE SOUTHBOUND THRU LANE	RSD 1101.02, SHEET 4 OF 19	PERFORM LOCATION 17 & LOCATION 18 SLAB REHABILITATIONS AT THE SAME TIME. CLOSE THE SOUTHBOUND I-285/US 52/NC 8 OUTSIDE THROUGH LANE SPANNING BOTH LOCATIONS. WORK ON BOTH LOCATIONS BEHIND THAT SINGLE LANE CLOSURE.
18			MM96.64 ONE OUTSIDE SOUTHBOUND THRU LANE		

NOTES: 1. REOPEN ALL LANES AT THE END OF THE WORK PERIOD.  
2. DO NOT CLOSE MORE THAN ONE RAMP OR LOOP AT A TIME.

## PHASE I

WORK MAY BE PERFORMED IN ANY ORDER AS LONG AS IT ABIDES BY THE CONDITIONS SET FORTH IN THE RESTRICTIONS / CONDITIONS COLUMN OF THE TABLE.

**PHASING**

NUMBER	TMP SHEET NO.	LOCATION	DESCRIPTION	METHOD	RESTRICTIONS / CONDITIONS (SEE NOTE 1)
19	TMP-5	EXIT 97 NORTHBOUND	OFF LOOP	CLOSE THE LOOP RSD 1101.02, SHEET 12 OF 19	DETOUR THAT LOOP'S TRAFFIC AS SHOWN ON SHEET TMP-10. (SEE NOTE 2)
20	TMP-5	EXIT 97 NORTHBOUND	MM97.80 ON RAMP MM97.88 OUTSIDE NORTHBOUND SHOULDER OF RAMP'S ACCELERATION LANE	20 21 CLOSE THE RAMP	DETOUR THAT RAMP'S TRAFFIC AS SHOWN ON SHEET TMP-12. PERFORM LOCATION 20 & LOCATION 21 SLAB REHABILITATIONS AT THE SAME TIME. (SEE NOTE 2)
22	TMP-5	EXIT 97 SOUTHBOUND	ON LOOP	CLOSE THE LOOP	DETOUR THAT LOOP'S TRAFFIC AS SHOWN ON SHEET TMP-11. (SEE NOTE 2)
23	TMP-5	I-285/US 52/NC 8 SOUTHBOUND	MM97.68 TWO SOUTHBOUND THRU LANES	RSD 1101.02, SHEET 4 OF 19	USE ALTERNATE LANE CLOSURES TO PERFORM WORK. ALSO REFER TO RSD 1101.02, SHEET 11 OF 19 WHEN THESE LANE CLOSURES IMPACT ACCESS TO THE SOUTHBOUND I-285 EXIT 97 OFF RAMP.
24	TMP-6	I-285/US 52/NC 8 NORTHBOUND	MM98.01 ONE OUTSIDE NORTHBOUND THRU LANE MM98.35 ONE OUTSIDE NORTHBOUND SHOULDER	24 25 RSD 1101.02, SHEET 4 OF 19	PERFORM LOCATION 24 AND LOCATION 25 SLAB REHABILITATION AT THE SAME TIME. CLOSE THE NORTHBOUND I-285/US 52/NC 8 OUTSIDE THROUGH LANE SPANNING BOTH LOCATIONS. WORK ON BOTH LOCATIONS BEHIND THAT SINGLE LANE CLOSURE.  UNDER THE DIRECTION OF THE ENGINEER, ALSO APPLY RSD 1101.02, SHEET 10 OF 19 TO MAINTAIN TRAFFIC ON THE EXIT 97 NORTHBOUND ON RAMP ONTO I-285/US 52/NC 8. IF WORK ENCROACHES UPON THE 400' ACCELERATION LANE AS PER NOTE '2' OF RSD 1101.02, SHEET 10 OF 19, CLOSE THE EXIT 97 NORTHBOUND ON RAMP AND DETOUR TRAFFIC VIA AN ADJACENT INTERCHANGE. (SEE NOTE 2)

NOTES: 1. REOPEN ALL LANES AT THE END OF THE WORK PERIOD.  
2. DO NOT CLOSE MORE THAN ONE RAMP OR LOOP AT A TIME.

## PHASE I

## PHASING

PROJ. REFERENCE NO.	SHEET NO.
HI-0005	TMP-3C

WORK MAY BE PERFORMED IN ANY ORDER AS LONG AS IT ABIDES BY THE CONDITIONS SET FORTH IN THE RESTRICTIONS / CONDITIONS COLUMN OF THE TABLE.

NUMBER	TMP SHEET NO.	LOCATION	DESCRIPTION	METHOD	RESTRICTIONS / CONDITIONS (SEE NOTE 1)
26	TMP-6	I-285/US 52/NC 8 SOUTHBOUND	MM98.19 TWO SOUTHBOUND THRU LANES	RSD 1101.02, SHEET 4 OF 19	USE ALTERNATE LANE CLOSURES TO PERFORM WORK.
27	TMP-6	I-285/US 52/NC 8 NORTHBOUND	MM98.55 TWO NORTHBOUND THRU LANES	27	PERFORM LOCATION 27 & LOCATION 28 SLAB REHABILITATIONS AT THE SAME TIME. ALTERNATELY CLOSE THE NORTHBOUND I-285/US 52/NC 8 THROUGH LANES SPANNING BOTH LOCATIONS. WORK ON BOTH LOCATIONS BEHIND THAT SINGLE LANE CLOSURE.
28			MM98.64 TWO NORTHBOUND THRU LANES	28	
29	TMP-6	I-285/US 52/NC 8 NORTHBOUND	MM98.69 ONE NORTHBOUND OUTSIDE THRU LANE	RSD 1101.02, SHEET 4 OF 19	CONSTRUCT LOCATION 29 IN CONJUNCTION WITH LOCATIONS 27 AND 28 WHEN THE NORTHBOUND OUTSIDE LANE CLOSURE IS IN EFFECT FOR THOSE TWO LOCATIONS (27 AND 28). EXPAND THAT NORTHBOUND OUTSIDE LANE CLOSURE TO INCLUDE LOCATION 29. PERFORM LOCATION 29 SLAB REHABILITATION WORK BEHIND THAT LANE CLOSURE.
30	TMP-6	I-285/US 52/NC 8 SOUTHBOUND	MM99.36 TWO SOUTHBOUND THRU LANES	RSD 1101.02, SHEET 4 OF 19	DUE TO THEIR CLOSE PROXIMITY AND DIFFERING LANE CLOSURE REQUIREMENTS, DO NOT SIMULTANEOUSLY CONSTRUCT LOCATION 30 AT THE SAME TIME AS THE GROUPING OF LOCATIONS 33 AND 44 [LOCATIONS 33 AND 44 TO BE SIMULTANEOUSLY CONSTRUCTED] SHOWN ON SHEETS TMP-6 AND TMP-7.  PERFORM LOCATION 30 WORK IN CONJUNCTION WITH LOCATION 32 WHILE EXIT 100 SOUTHBOUND ON RAMP IS CLOSED. CLOSE THE EXIT 100 SOUTHBOUND ON RAMP AND DETOUR THAT RAMP'S TRAFFIC AS SHOWN ON SHEET TMP-14. ONCE THAT RAMP IS CLOSED, USE RSD 1101.02, SHEET 4 OF 19 TO PERFORM WORK BY USING ALTERNATE LANE CLOSURES. (SEE NOTE 2)

NOTES: 1. REOPEN ALL LANES AT THE END OF THE WORK PERIOD.  
2. DO NOT CLOSE MORE THAN ONE RAMP OR LOOP AT A TIME.

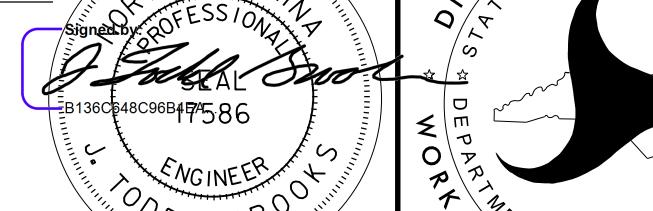
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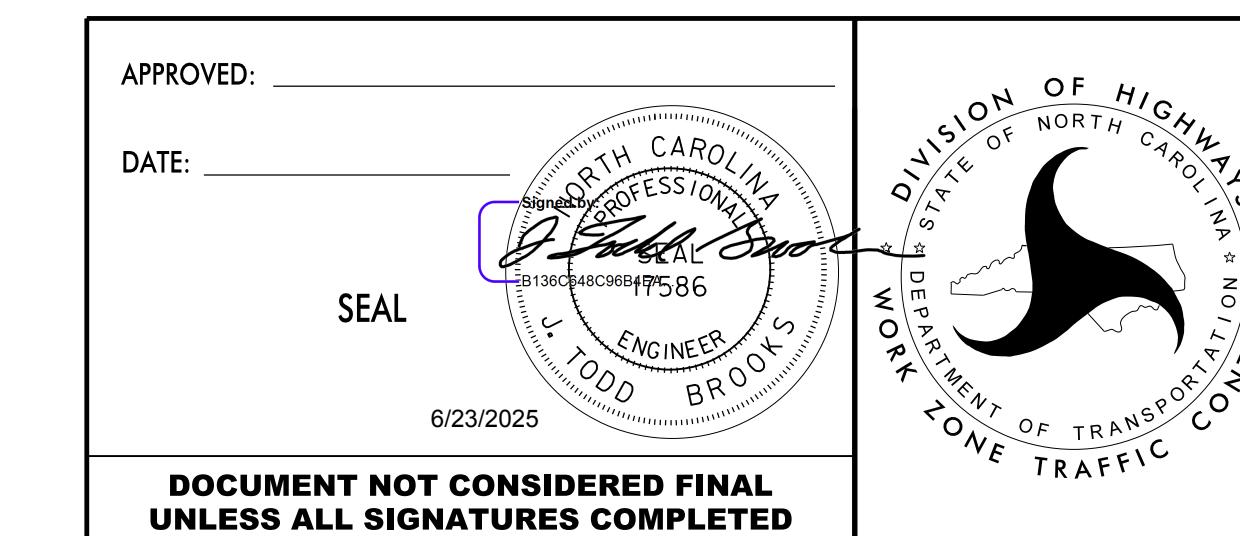

**Dewberry**

2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

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

SEAL

J. TODD BROOKS  
6/23/2025  
Signature: 



PHASING

## PHASE I

## PHASING

PROJ. REFERENCE NO.	SHEET NO.
HI-0005	TMP-3D

WORK MAY BE PERFORMED IN ANY ORDER AS LONG AS IT ABIDES BY THE CONDITIONS SET FORTH IN THE RESTRICTIONS / CONDITIONS COLUMN OF THE TABLE.

NUMBER	TMP SHEET NO.	LOCATION	DESCRIPTION	METHOD	RESTRICTIONS / CONDITIONS (SEE NOTE 1)
31	TMP-6	EXIT 100 NORTHBOUND	ON LOOP	CLOSE THE LOOP	DETOUR THAT LOOP'S TRAFFIC AS SHOWN ON SHEET TMP-13. (SEE NOTE 2)
32	TMP-6	EXIT 100 SOUTHBBOUND	ON RAMP	CLOSE THE RAMP	PERFORM LOCATION 32 WORK IN CONJUNCTION WITH LOCATION 30 WHILE EXIT 100 SOUTHBBOUND ON RAMP IS CLOSED. DETOUR THAT RAMP'S TRAFFIC AS SHOWN ON SHEET TMP-14. (SEE NOTE 2)
33	TMP-6 & TMP-7	I-285/US 52/NC 8 SOUTHBBOUND	MM99.99 ONE OUTSIDE SOUTHBBOUND THRU LANE MM100.15 ONE OUTSIDE SOUTHBBOUND THRU LANE	RSD 1101.02, SHEET 4 OF 19	DUE TO THEIR CLOSE PROXIMITY AND DIFFERING LANE CLOSURE REQUIREMENTS, DO NOT SIMULTANEOUSLY CONSTRUCT LOCATIONS 33 AND 44 AT THE SAME TIME AS LOCATION 30.
44					CONSTRUCT LOCATIONS 33 AND 44 AT THE SAME TIME. CLOSE THE SOUTHBBOUND I-285/US 52/NC 8 OUTSIDE THROUGH LANE SPANNING BOTH LOCATIONS 33 AND 44. PERFORM LOCATIONS 33 AND 45 SLAB REHABILITATION WORK BEHIND THE ABOVE SINGLE LANE CLOSURE.
34	TMP-7	I-285/US 52/NC 8 NORTHBBOUND	MM100.47 ONE NORTHBBOUND OUTSIDE THRU LANE MM100.62 ONE NORTHBBOUND OUTSIDE THRU LANE MM100.87 ONE NORTHBBOUND OUTSIDE THRU LANE	RSD 1101.02, SHEET 4 OF 19	UNDER THE DIRECTION OF THE ENGINEER, ALSO APPLY RSD 1101.02, SHEET 11 OF 19 TO MAINTAIN TRAFFIC ON THE EXIT 100 SOUTHBBOUND OFF RAMP.
35					DUE TO THEIR CLOSE PROXIMITY AND DIFFERING LANE CLOSURE REQUIREMENTS, DO NOT SIMULTANEOUSLY CONSTRUCT LOCATIONS 34, 35 AND 36 AT THE SAME TIME AS LOCATION 37.
36					CONSTRUCT LOCATIONS 34, 35 AND 36 AT THE SAME TIME. CLOSE THE NORTHBBOUND I-285/US 52/NC 8 OUTSIDE THROUGH LANE SPANNING ALL THREE LOCATIONS. PERFORM LOCATIONS 34, 35 AND 36 SLAB REHABILITATION WORK BEHIND THE ABOVE SINGLE LANE CLOSURE.

NOTES: 1. REOPEN ALL LANES AT THE END OF THE WORK PERIOD.  
2. DO NOT CLOSE MORE THAN ONE RAMP OR LOOP AT A TIME.

**PHASING**

PROJ. REFERENCE NO.	SHEET NO.
HI - 0005	TMP - 3E

**PHASE I**

WORK MAY BE PERFORMED IN ANY ORDER AS LONG AS IT ABIDES BY THE CONDITIONS SET FORTH IN THE RESTRICTIONS / CONDITIONS COLUMN OF THE TABLE.

NUMBER	TMP SHEET NO.	LOCATION	DESCRIPTION	METHOD	RESTRICTIONS / CONDITIONS (SEE NOTE 1)
37	TMP-7	I-285/US 52/NC 8 NORTHBOUND	MM100.94 TWO NORTHBOUND THRU LANES	RSD 1101.02, SHEET 4 OF 19	DUE TO THEIR CLOSE PROXIMITY AND DIFFERING LANE CLOSURE REQUIREMENTS, DO NOT SIMULTANEOUSLY CONSTRUCT LOCATION 37 AT THE SAME TIME AS LOCATIONS 34, 35 AND 36.  USE ALTERNATE LANE CLOSURES TO PERFORM WORK.
38	TMP-7	I-285/US 52/NC 8 NORTHBOUND	MM101.08 ONE OUTSIDE NORTHBOUND THRU LANE 38	RSD 1101.02, SHEET 4 OF 19	CONSTRUCT LOCATIONS 38 AND 39 AT THE SAME TIME. CLOSE THE NORTHBOUND I-285/US 52/NC 8 OUTSIDE THROUGH LANE SPANNING BOTH LOCATIONS 38 AND 39. PERFORM LOCATIONS 38 AND 39 SLAB REHABILITATION WORK BEHIND THE ABOVE SINGLE LANE CLOSURE.
39			MM101.36 ONE OUTSIDE NORTHBOUND THRU LANE 39		
40	TMP-7	I-285/US 52/NC 8 NORTHBOUND	MM101.44 TWO NORTHBOUND THRU LANES 40	RSD 1101.02, SHEET 4 OF 19	PERFORM LOCATION 40 & LOCATION 41 SLAB REHABILITATIONS AT THE SAME TIME. ALTERNATELY CLOSE THE NORTHBOUND I-285/US 52/NC 8 THROUGH LANES SPANNING BOTH LOCATIONS. WORK ON BOTH LOCATIONS BEHIND THAT SINGLE LANE CLOSURE.
41			MM101.49 TWO NORTHBOUND THRU LANES 41		
42	TMP-7	I-285/US 52/NC 8 NORTHBOUND	MM101.56 ONE OUTSIDE NORTHBOUND THRU LANE 42	RSD 1101.02, SHEET 4 OF 19	CONSTRUCT LOCATIONS 42 AND 43 AT THE SAME TIME.
43			MM101.80 OUTSIDE NORTHBOUND SHOULDER 43		CONSTRUCT LOCATIONS 42 AND 43 IN CONJUNCTION WITH LOCATIONS 40 AND 41 WHEN THE NORTHBOUND OUTSIDE LANE CLOSURE IS IN EFFECT FOR THOSE TWO LOCATIONS (40 AND 41). EXPAND THAT NORTHBOUND OUTSIDE LANE CLOSURE TO INCLUDE LOCATIONS 42 AND 43. PERFORM LOCATIONS 42 AND 43 SLAB REHABILITATION WORK BEHIND THAT LANE CLOSURE.
44	TMP-7	I-285/US 52/NC 8 SOUTHBOUND	SEE THE REQUIREMENTS ON SHEET TMP-3D FOR LOCATION 33		
45	TMP-7	I-285/US 52/NC 8 SOUTHBOUND	MM100.45 TWO SOUTHBOUND THRU LANES 45	RSD 1101.02, SHEET 4 OF 19	USE ALTERNATE LANE CLOSURES TO PERFORM WORK.

NOTES: 1. REOPEN ALL LANES AT THE END OF THE WORK PERIOD.  
2. DO NOT CLOSE MORE THAN ONE RAMP OR LOOP AT A TIME.

## PHASING

### PHASE I

WORK MAY BE PERFORMED IN ANY ORDER AS LONG AS IT ABIDES BY THE CONDITIONS SET FORTH IN THE RESTRICTIONS / CONDITIONS COLUMN OF THE TABLE.

NUMBER	TMP SHEET NO.	LOCATION	DESCRIPTION	METHOD	RESTRICTIONS / CONDITIONS (SEE NOTE 1)	
46	TMP-7	I-285/US 52/NC 8 SOUTHBOUND	MM100.65 ONE SOUTHBOUND OUTSIDE THRU LANE MM100.69 ONE SOUTHBOUND OUTSIDE SHOULDER MM100.88 ONE SOUTHBOUND OUTSIDE SHOULDER MM100.89 ONE SOUTHBOUND OUTSIDE SHOULDER ONE SOUTHBOUND OUTSIDE THRU LANE	46 47 48 49	RSD 1101.02, SHEET 4 OF 19	CONSTRUCT LOCATIONS 46, 47, 48 AND 49 AT THE SAME TIME.  CLOSE THE SOUTHBOUND I-285/US 52/NC 8 OUTSIDE THROUGH LANE SPANNING LOCATIONS 46 THROUGH 49. PERFORM LOCATIONS 46 THROUGH 49 SLAB REHABILITATION WORK BEHIND THE ABOVE LANE CLOSURE.
50	TMP-7	I-285/US 52/NC 8 SOUTHBOUND	MM100.94 TWO SOUTHBOUND THRU LANES MM100.98 TWO SOUTHBOUND THRU LANES ONE SOUTHBOUND INSIDE SHOULDER ONE SOUTHBOUND OUTSIDE SHOULDER	50 51	RSD 1101.02, SHEET 4 OF 19	CONSTRUCT LOCATIONS 50 AND 51 AT THE SAME TIME.  ALTERNATELY CLOSE THE SOUTHBOUND I-285/US 52/NC 8 THROUGH LANES SPANNING LOCATIONS 50 AND 51. PERFORM LOCATIONS 50 AND 51 SLAB REHABILITATION WORK USING THOSE ALTERNATING LANE CLOSURES.
52	TMP-7	I-285/US 52/NC 8 SOUTHBOUND	LOCATION 52 CONSISTS OF TWO CLOSELY SPACED SLAB REHABILITATION LOCATIONS. EACH WILL BE HANDLED SEPARATELY DUE TO DIFFERING LANE CLOSURE REQUIREMENTS.  MM101.10 MM101.09		RSD 1101.02, SHEET 4 OF 19	MM101.10: ALTERNATELY CLOSE THE SOUTHBOUND I-285/US 52/NC 8 THROUGH LANES. PERFORM LOCATION 52/MM101.10 SLAB REHABILITATION WORK USING THOSE ALTERNATING LANE CLOSURES.  MM101.09: CLOSE THE SOUTHBOUND I-285/US 52/NC 8 INSIDE THROUGH LANE. PERFORM LOCATION 52/MM101.09 SLAB REHABILITATION WORK BEHIND THAT LANE CLOSURE.
53	TMP-7	I-285/US 52/NC 8 SOUTHBOUND	LOCATION 53 CONSISTS OF TWO CLOSELY SPACED SLAB REHABILITATION LOCATIONS. EACH WILL BE HANDLED SEPARATELY DUE TO DIFFERING LANE CLOSURE REQUIREMENTS.  MM101.29 MM101.28		RSD 1101.02, SHEET 4 OF 19	MM101.29: CLOSE THE SOUTHBOUND I-285/US 52/NC 8 OUTSIDE THROUGH LANE. PERFORM LOCATION 53/MM101.29 SLAB REHABILITATION WORK BEHIND THAT LANE CLOSURE.  MM101.28: CLOSE THE SOUTHBOUND I-285/US 52/NC 8 INSIDE THROUGH LANE. PERFORM LOCATION 53/MM101.28 SLAB REHABILITATION WORK BEHIND THAT LANE CLOSURE.

NOTES: 1. REOPEN ALL LANES AT THE END OF THE WORK PERIOD.  
2. DO NOT CLOSE MORE THAN ONE RAMP OR LOOP AT A TIME.

## PHASE I

## PHASING

PROJ. REFERENCE NO.	SHEET NO.
HI - 0005	TMP - 3G

WORK MAY BE PERFORMED IN ANY ORDER AS LONG AS IT ABIDES BY THE CONDITIONS SET FORTH IN THE RESTRICTIONS / CONDITIONS COLUMN OF THE TABLE.

NUMBER	TMP SHEET NO.	LOCATION	DESCRIPTION	METHOD	RESTRICTIONS / CONDITIONS (SEE NOTE 1)
54	TMP-7	I-285/US 52/NC 8 SOUTHBOUND	MM101.36 TWO SOUTHBOUND THRU LANES 54 MM101.45 TWO SOUTHBOUND THRU LANES 55 MM101.65 TWO SOUTHBOUND THRU LANES 56	RSD 1101.02, SHEET 4 OF 19	CONSTRUCT LOCATIONS 54, 55 AND 56 AT THE SAME TIME.  ALTERNATELY CLOSE THE SOUTHBOUND I-285/US 52/NC 8 THROUGH LANES SPANNING LOCATIONS 54 THRU 56. PERFORM LOCATIONS 54 THRU 56 SLAB REHABILITATION WORK USING THOSE ALTERNATING LANE CLOSURES.
57	TMP-7	I-285/US 52/NC 8 SOUTHBOUND	LOCATION 57 CONSISTS OF TWO CLOSELY SPACED SLAB REHABILITATION LOCATIONS. EACH WILL BE HANDLED SEPARATELY DUE TO DIFFERING LANE CLOSURE REQUIREMENTS.  MM101.68 LOCATION 'A' MM101.67 LOCATION 'B'	RSD 1101.02, SHEET 4 OF 19	LOCATION 'A': CLOSE THE SOUTHBOUND I-285/US 52/NC 8 INSIDE THROUGH LANE. PERFORM LOCATION 57A SLAB REHABILITATION WORK BEHIND THAT LANE CLOSURE.  LOCATION 'B': CLOSE THE SOUTHBOUND I-285/US 52/NC 8 OUTSIDE THROUGH LANE. PERFORM LOCATION 57B SLAB REHABILITATION WORK BEHIND THAT LANE CLOSURE.
58	TMP-7	I-285/US 52/NC 8 SOUTHBOUND	MM101.70 ONE SOUTHBOUND OUTSIDE THRU LANE 58 MM101.85 ONE SOUTHBOUND OUTSIDE SHOULDER 59	RSD 1101.02, SHEET 4 OF 19	CONSTRUCT LOCATIONS 58 AND 59 AT THE SAME TIME.  CLOSE THE SOUTHBOUND I-285/US 52/NC 8 OUTSIDE THROUGH LANE SPANNING LOCATIONS 58 AND 59. PERFORM LOCATIONS 58 AND 59 SLAB REHABILITATION WORK BEHIND THIS LANE CLOSURE.
60	TMP-8	I-285/US 52/NC 8 NORTHBOUND	MM102.00 ONE NORTHBOUND OUTSIDE THRU LANE 60 MM102.02 ONE NORTHBOUND OUTSIDE SHOULDER 61	RSD 1101.02, SHEET 4 OF 19	CONSTRUCT LOCATIONS 60 AND 61 AT THE SAME TIME.  CLOSE THE NORTHBOUND I-285/US 52/NC 8 OUTSIDE THROUGH LANE SPANNING LOCATIONS 60 AND 61. PERFORM LOCATIONS 60 AND 61 SLAB REHABILITATION WORK BEHIND THIS SINGLE LANE CLOSURE.
62	TMP-8	I-285/US 52/NC 8 NORTHBOUND	MM102.48 ONE NORTHBOUND OUTSIDE SHOULDER 62 MM102.52 ONE NORTHBOUND OUTSIDE SHOULDER 63	RSD 1101.02, SHEET 4 OF 19	CONSTRUCT LOCATIONS 62 AND 63 AT THE SAME TIME.  CLOSE THE NORTHBOUND I-285/US 52/NC 8 OUTSIDE THROUGH LANE SPANNING LOCATIONS 62 AND 63. PERFORM LOCATIONS 62 AND 63 SLAB REHABILITATION WORK BEHIND THIS SINGLE LANE CLOSURE.

NOTES: 1. REOPEN ALL LANES AT THE END OF THE WORK PERIOD.  
2. DO NOT CLOSE MORE THAN ONE RAMP OR LOOP AT A TIME.

## PHASING

### PHASE I

WORK MAY BE PERFORMED IN ANY ORDER AS LONG AS IT ABIDES BY THE CONDITIONS SET FORTH IN THE RESTRICTIONS / CONDITIONS COLUMN OF THE TABLE.

NUMBER	TMP SHEET NO.	LOCATION	DESCRIPTION	METHOD	RESTRICTIONS / CONDITIONS (SEE NOTE 1)
64	TMP-8	I-285/US 52/NC 8 NORTHBOUND	MM102.72 ONE NORTHBOUND OUTSIDE THRU LANE	RSD 1101.02, SHEET 4 OF 19	CLOSE THE NORTHBOUND I-285/US 52/ NC 8 OUTSIDE THROUGH LANE. ALSO APPLY RSD 1101.02, SHEET 11 OF 19 TO MAINTAIN TRAFFIC ON THE EXIT 103 NORTHBOUND OFF RAMP.  PERFORM LOCATION 64 SLAB REHABILITATION WORK BEHIND THE ABOVE LANE CLOSURE.
65	TMP-8	EXIT 103 NORTHBOUND	OFF RAMP	CLOSE THE RAMP RSD 1101.02, SHEET 12 OF 19	PERFORM LOCATION 65 WORK IN CONJUNCTION WITH LOCATION 66 WHILE EXIT 103 NORTHBOUND OFF RAMP IS CLOSED. DETOUR THAT RAMP'S TRAFFIC AS SHOWN ON SHEET TMP-15. (SEE NOTE 2)
66					
67	TMP-8	I-285/US 52/NC 8 SOUTHBOUND	MM101.96 ONE SOUTHBOUND OUTSIDE SHOULDER 67	RSD 1101.02, SHEET 4 OF 19	CONSTRUCT LOCATIONS 67, 68, 69, 70 AND 71 AT THE SAME TIME.
68			MM102.02 ONE SOUTHBOUND OUTSIDE SHOULDER 68		CLOSE THE SOUTHBOUND I-285/US 52/ NC 8 OUTSIDE THROUGH LANE SPANNING LOCATIONS 67 THROUGH 71. PERFORM LOCATIONS 67 THROUGH 71 SLAB REHABILITATION WORK BEHIND THAT SINGLE CLOSURE. ALSO APPLY RSD 1101.02, SHEET 10 OF 19 TO MAINTAIN TRAFFIC ON THE EXIT 103 SOUTHBOUND ON RAMP ONTO I-285/ US 52/NC 8.
69			MM102.04 ONE SOUTHBOUND OUTSIDE SHOULDER 69		
70			MM102.13 ONE SOUTHBOUND OUTSIDE SHOULDER 70		
71			MM102.32 ONE SOUTHBOUND OUTSIDE THRU LANE 71		
72	TMP-8	I-285/US 52/NC 8 SOUTHBOUND	MM102.88 ONE SOUTHBOUND OUTSIDE SHOULDER	RSD 1101.02, SHEET 4 OF 19	CLOSE THE SOUTHBOUND I-285/US 52/ NC 8 OUTSIDE THROUGH LANE. ALSO APPLY RSD 1101.02, SHEET 11 OF 19 TO MAINTAIN TRAFFIC ON THE EXIT 103 SOUTHBOUND OFF RAMP. PERFORM LOCATION 72 SLAB REHABILITATION WORK BEHIND THAT CLOSURE.

NOTES: 1. REOPEN ALL LANES AT THE END OF THE WORK PERIOD.  
2. DO NOT CLOSE MORE THAN ONE RAMP OR LOOP AT A TIME.

## PHASING

### PHASE II

THIS WORK MUST BE COMPLETED AFTER ALL SLAB REHABILITATION WORK IS COMPLETE.

STEP 1: USING RSD 1101.02, SHEETS 4, 8, 10 & 11 OF 19, DIAMOND-GRIND I-285/US 52/NC 8 TRAVEL LANES DURING ALLOWABLE WORK HOURS. USE TEMPORARY MARKINGS TO REPLACE EXISTING MARKINGS OBLITERATED BY THE END OF EACH DAYS OPERATION.

STEP 2: DIAMOND-GRIND RAMPS AND LOOPS ONE AT A TIME USING OVERNIGHT RAMP AND LOOP CLOSURES AND DETOURS DURING ALLOWABLE WORKING HOURS AS FOLLOWS:

EXIT	INTERCHANGE	RAMP/LOOP	USE DETAILS ON:
92	NC 8/OLD US HWY 52 (WELCOME)	I-285 NB OFF-LOOP I-285 NB ON-RAMP I-285 SB OFF-RAMP I-285 SB ON-LOOP	RSD NO.1101.02, SHEET 12 & TMP-17 TMP-16 & TMP-16A RSD NO.1101.02, SHEET 12 & TMP-18 TMP-9 & TMP-9A
97	OLD US HWY 52 (MIDWAY)	I-285 NB OFF-LOOP I-285 NB ON-RAMP I-285 SB OFF-RAMP I-285 SB ON-LOOP	RSD NO.1101.02, SHEET 12 & TMP-10 TMP-12 & TMP-12A RSD NO.1101.02, SHEET 12 & TMP-19 TMP-11 & TMP-11A
100	HICKORY TREE RD	I-285 NB OFF-RAMP I-285 NB ON-LOOP I-285 SB OFF-RAMP I-285 SB ON-RAMP	RSD NO.1101.02, SHEET 12 & TMP-20 TMP-13 & TMP-13A RSD NO.1101.02, SHEET 12 & TMP-21 TMP-14 & TMP-14A
103	S. MAIN ST	I-285 NB OFF-RAMP I-285 SB ON-RAMP	RSD NO.1101.02, SHEET 12 & TMP-15 TMP-22 & TMP-22A

DO NOT CLOSE AND DETOUR MORE THAN ONE RAMP/LOOP AT A TIME.

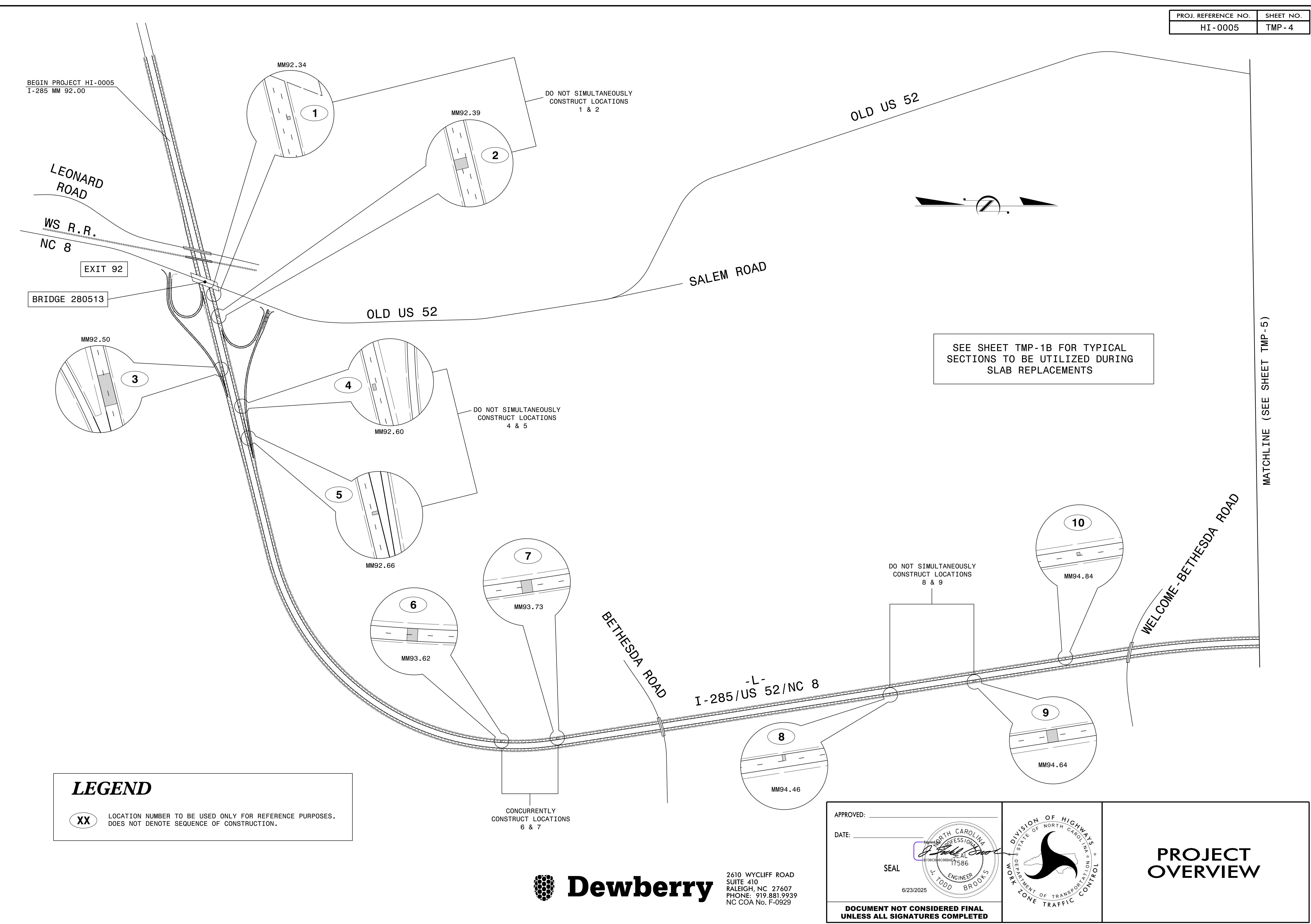
REPLACE PAVEMENT MARKINGS OBLITERATED BY DIAMOND GRINDING ON RAMPS/LOOPS WITH TEMPORARY PAVEMENT MARKINGS (PAINT) PRIOR TO REOPENING EACH RAMP/LOOP TO TRAFFIC AT THE END OF EACH OVERNIGHT WORK PERIOD.

STEP 3: USING RSD 1101.02, SHEETS 4, 8 10 & 11 OF 19 TO TEMPORARILY CLOSE LANES ON I-285 DURING NON-PEAK TRAFFIC PERIODS, PLACE FINAL PAVEMENT MARKINGS AND FINAL SNOWPLOWABLE PAVEMENT MARKERS IN ORIGINAL PATTERN ON I-285/US 52/NC 8.

STEP 4: PLACE FINAL PAVEMENT MARKINGS AND FINAL SNOWPLOWABLE PAVEMENT MARKERS IN ORIGINAL PATTERN ON RAMPS AND LOOPS USING OVERNIGHT RAMP/LOOP CLOSURES AND DETOURS IN ACCORDANCE WITH THE TABLE IN PHASE 2,STEP 2. DO NOT CLOSE AND DETOUR MORE THAN ONE RAMP/LOOP AT A TIME.

STEP 5: REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES WITHIN THE PROJECT LIMITS AND ALL OFFSITE ROAD CLOSURE AND DETOUR SIGNING .

PROJ. REFERENCE NO.	SHEET NO.
HI - 0005	TMP - 4



SEE SHEET TMP-1B FOR TYPICAL  
SECTIONS TO BE UTILIZED DURING  
SLAB REPLACEMENTS

## MATCHLINE (SEE SHEET TMP - 4)

## LEGEND

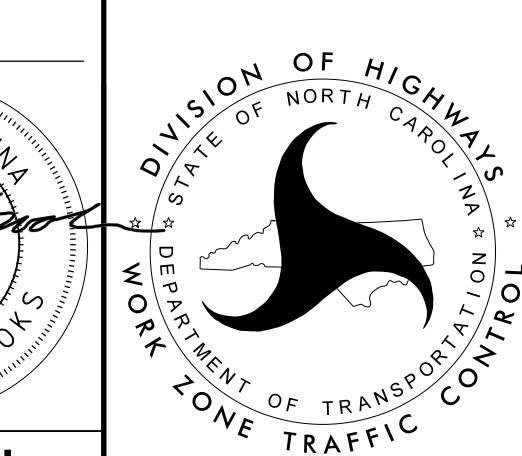
**XX** LOCATION NUMBER TO BE USED ONLY FOR REFERENCE PURPOSES.  
DOES NOT DENOTE SEQUENCE OF CONSTRUCTION.

NUMBER TO BE USED ONLY FOR REFERENCE PURPOSES. IT DENOTES SEQUENCE OF CONSTRUCTION.

2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9933  
NC COA No. F-0929

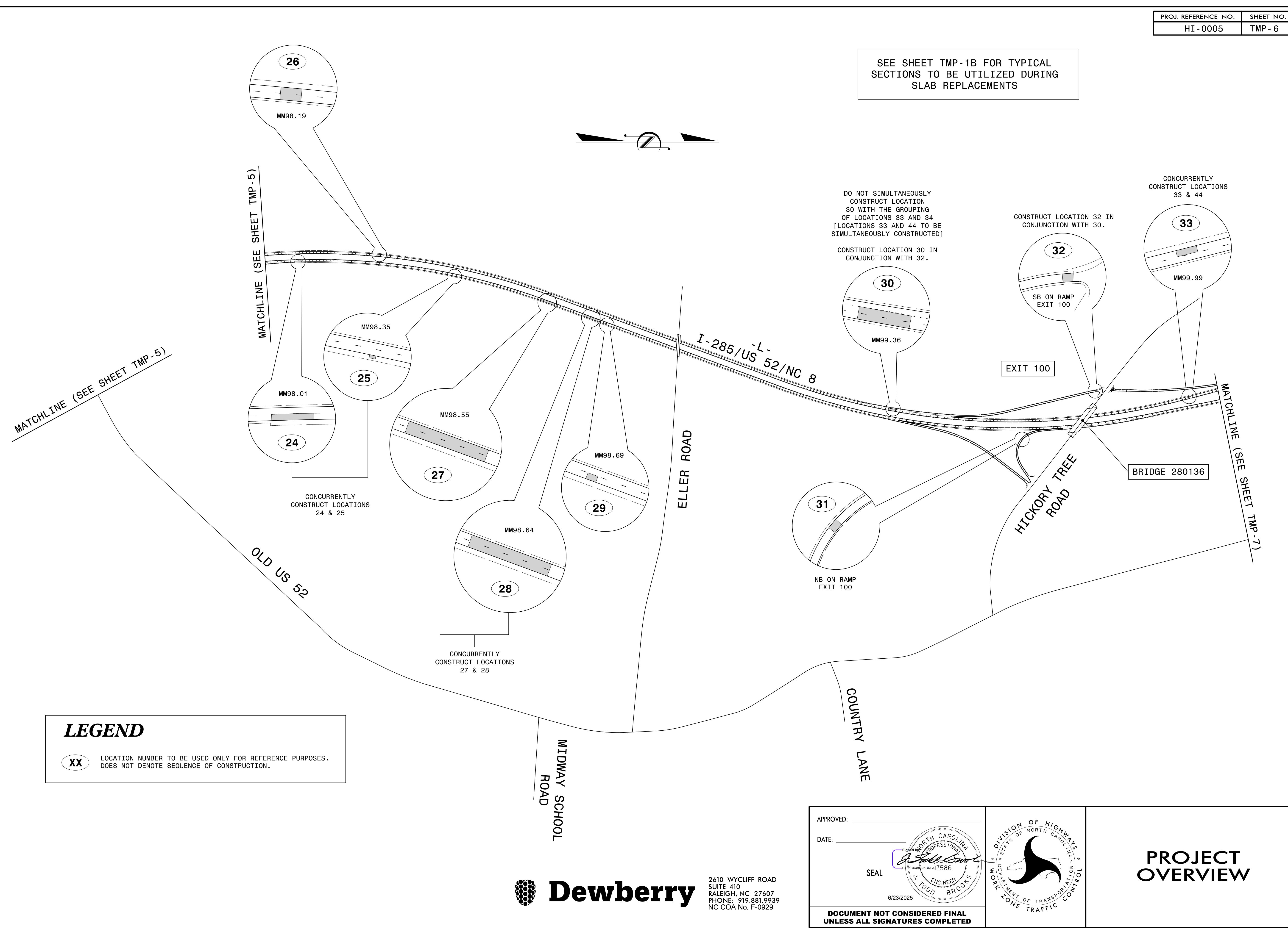
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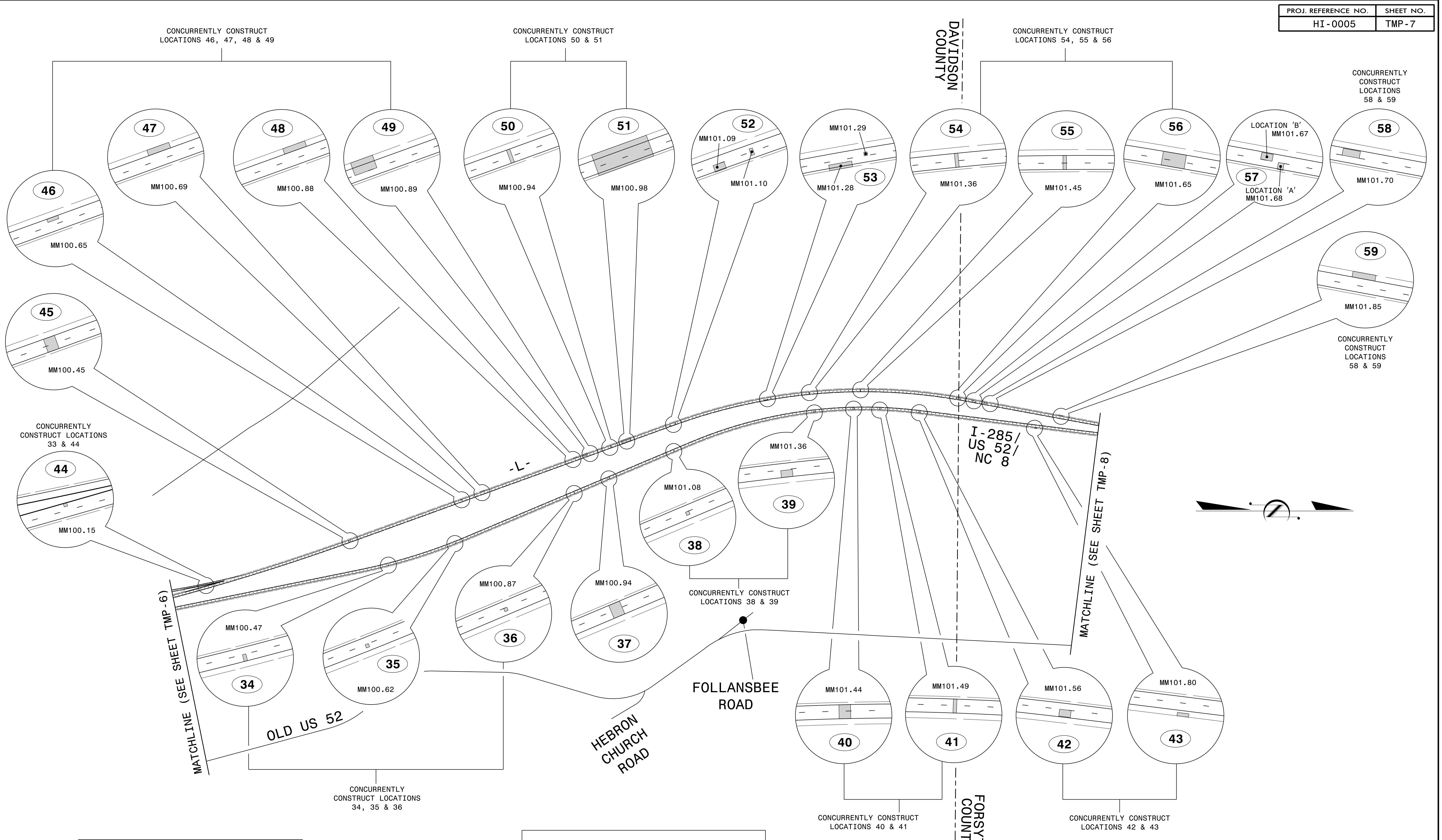
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**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

# PROJECT OVERVIEW





## **LEGEND**

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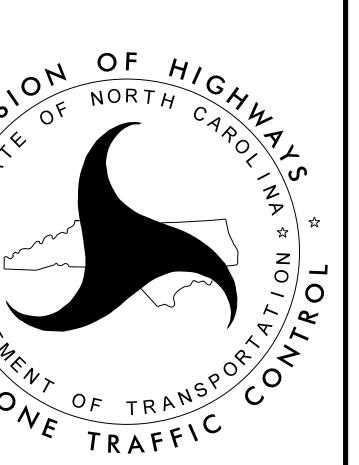
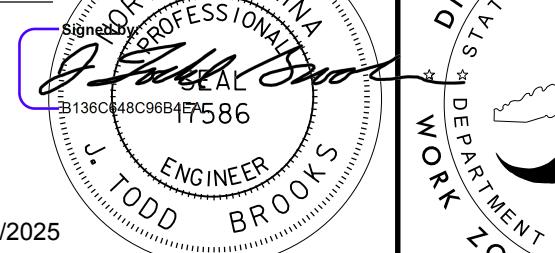
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SEE SHEET TMP-1B FOR TYPICAL  
SECTIONS TO BE UTILIZED DURING  
SLAB REPLACEMENTS

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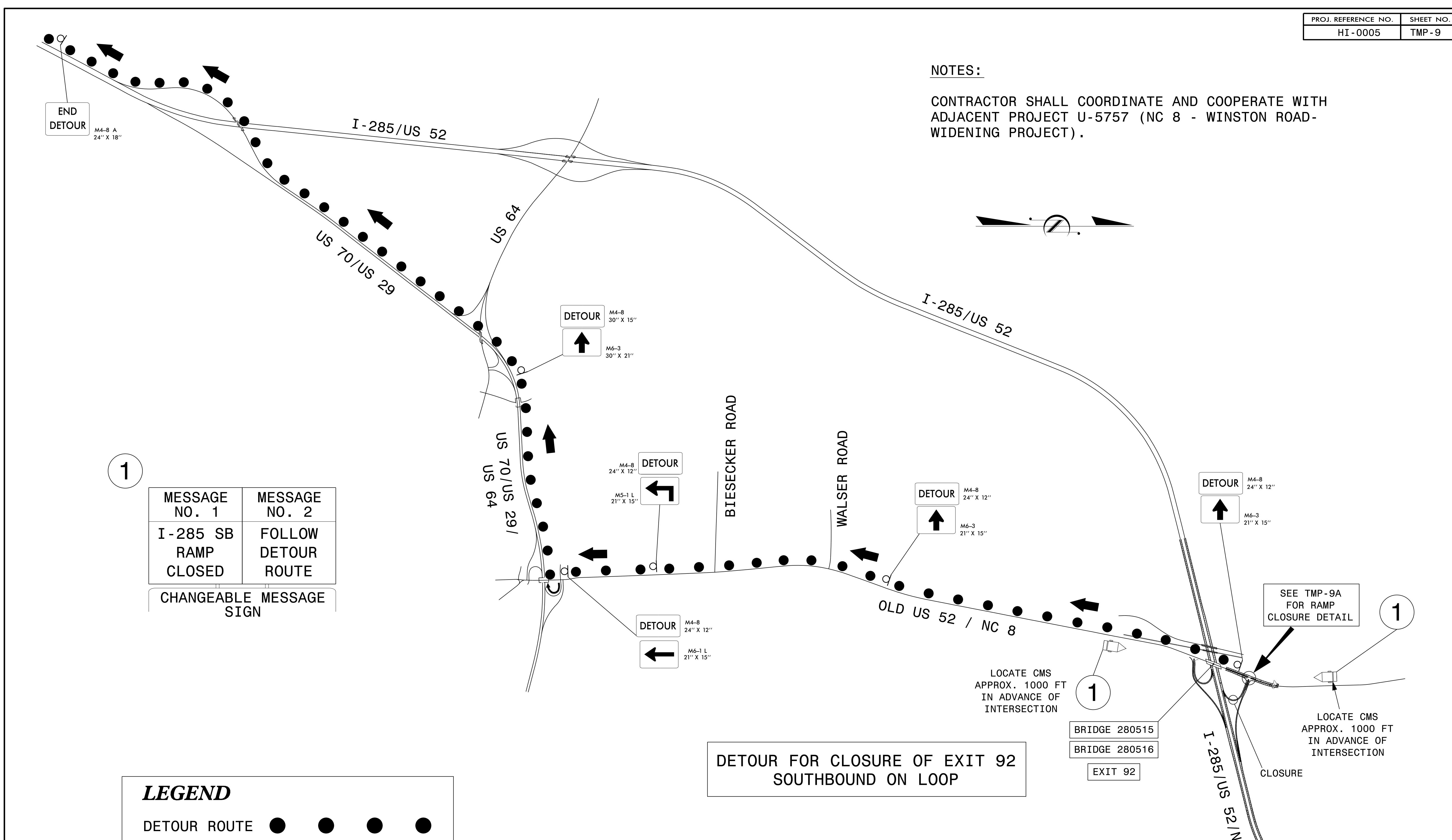
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# PROJECT OVERVIEW

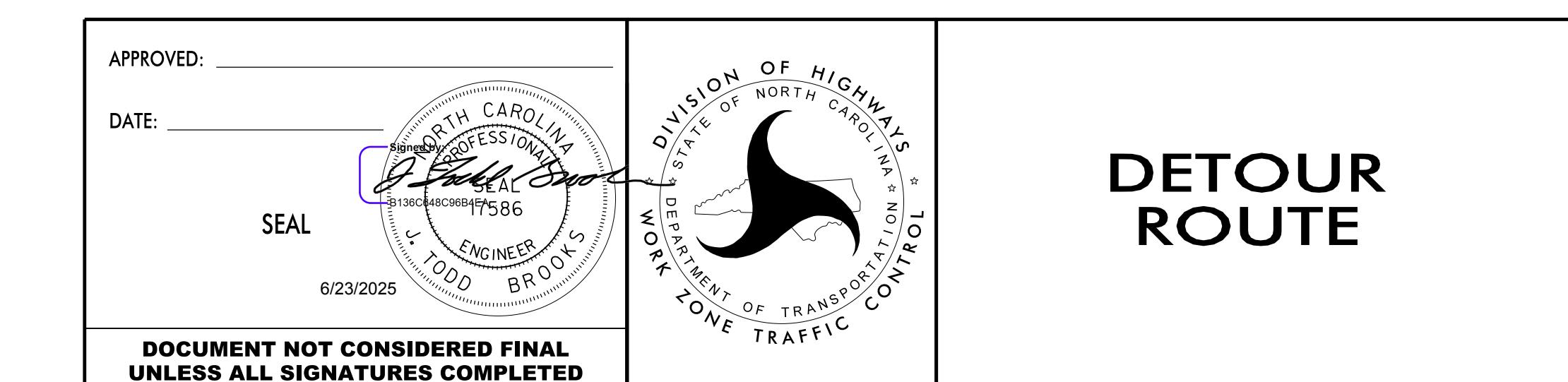


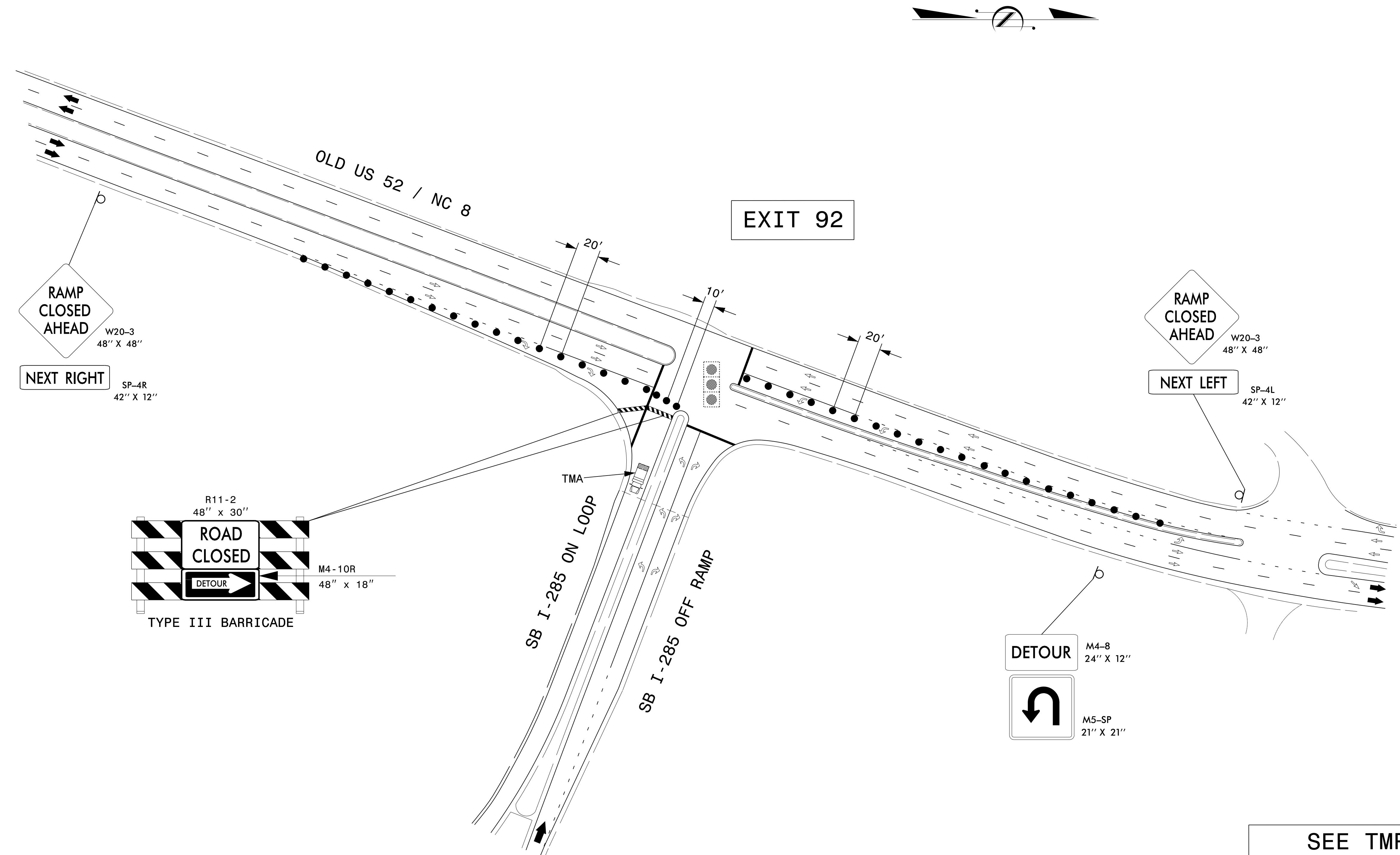


# DETOUR ROUTE



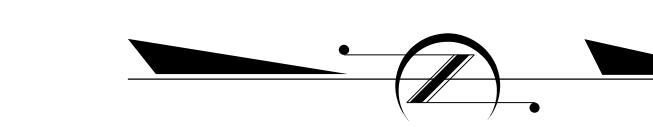
**y** 2610 WYCLIFF RO  
SUITE 410  
RALEIGH, NC 2761  
PHONE: 919.881.9  
NC COA No. F-092





**LEGEND**

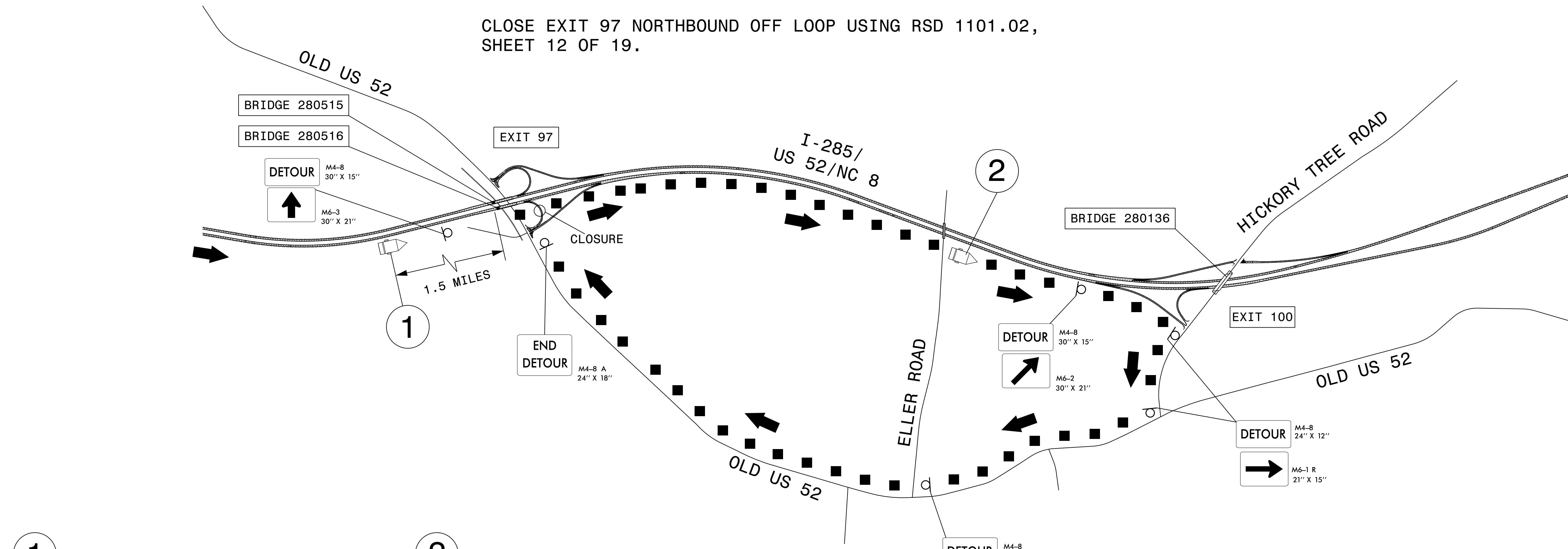
DETOUR ROUTE ■ ■ ■ ■



**DETOUR FOR CLOSURE OF EXIT 97  
NORTHBOUND OFF LOOP**

NOTES:

CLOSE EXIT 97 NORTHBOUND OFF LOOP USING RSD 1101.02,  
SHEET 12 OF 19.



1

MESSAGE NO. 1	MESSAGE NO. 2
EXIT 97 RAMP CLOSED	FOLLOW DETOUR

CHANGEABLE MESSAGE SIGN

2

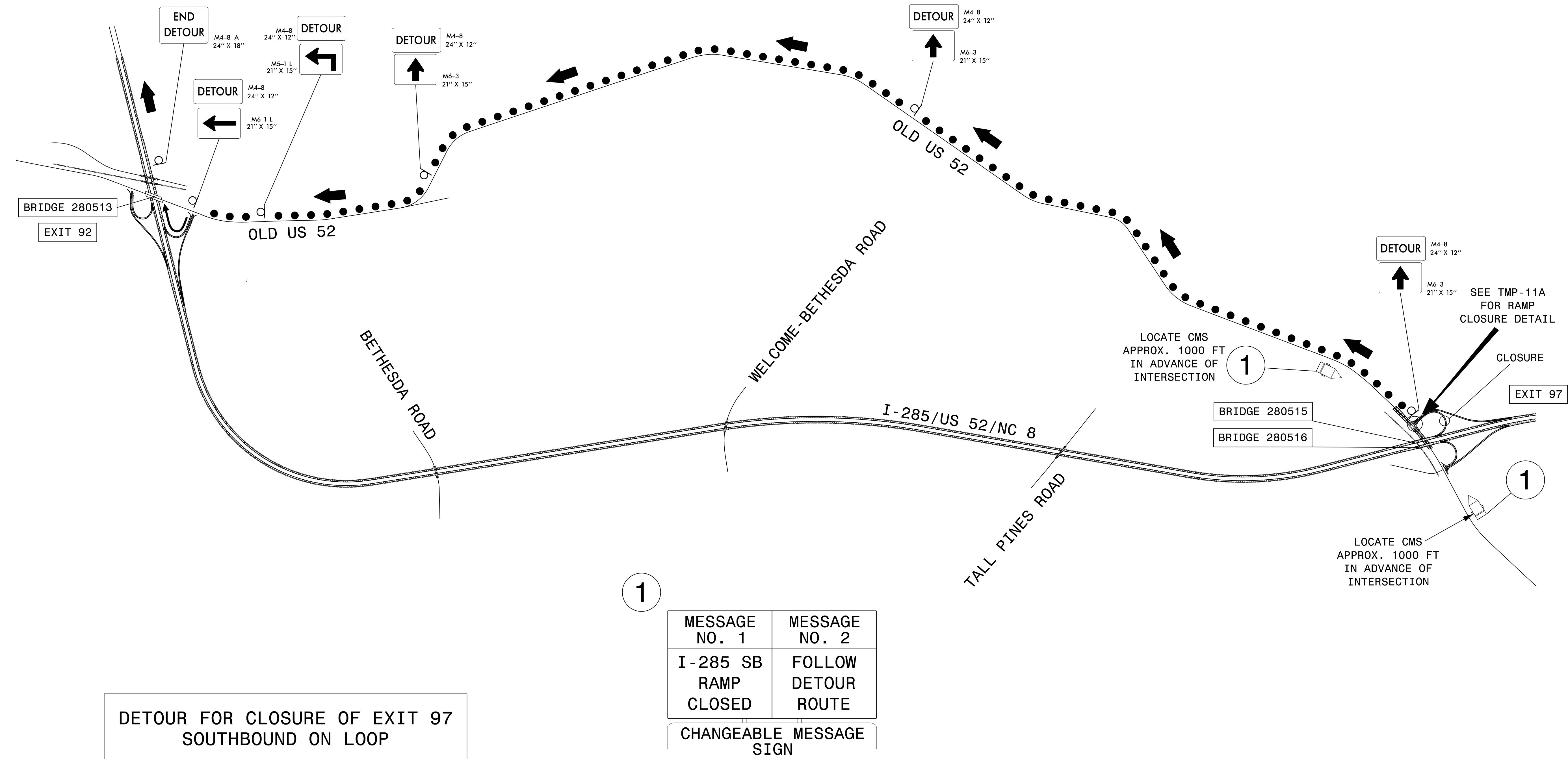
MESSAGE NO. 1
OLD US52 DETOUR EXIT 100

CHANGEABLE MESSAGE SIGN

PLACE 1/2 MILE IN  
ADVANCE OF EXIT

## **LEGEND**

## DETOUR ROUTE



**y** 2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9933  
NC COA No. F-0929

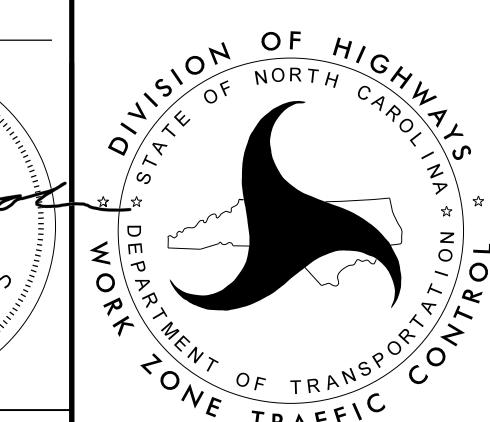
# CHANGEABLE MESSAGE SIGN

MESSAGE NO. 1	MESSAGE NO. 2
I-285 SB RAMP CLOSED	FOLLOW DETOUR ROUTI

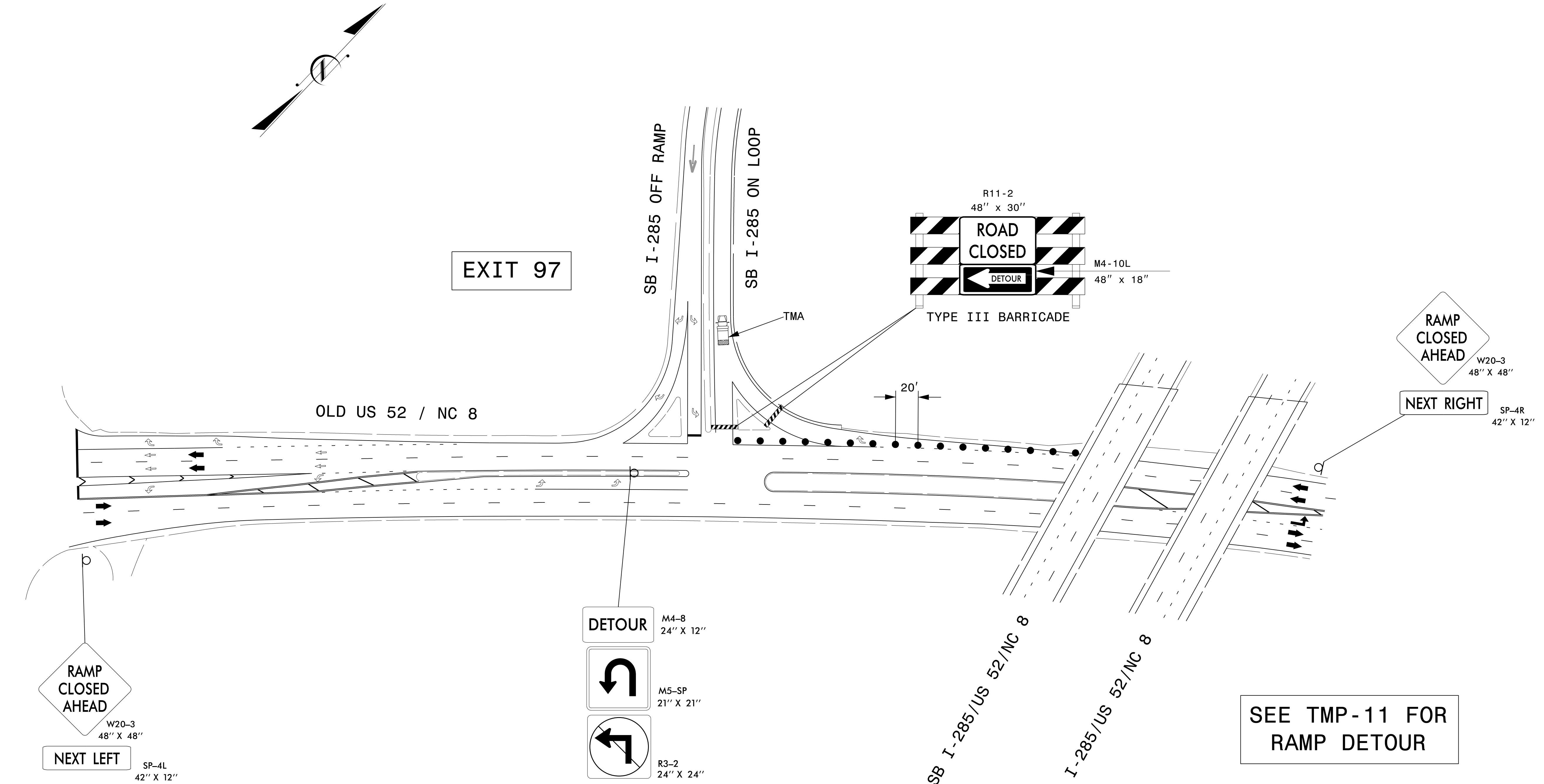
\_\_\_\_\_

DATE: 10/10/2018 

SEAL 17586



# DETOUR ROUTE

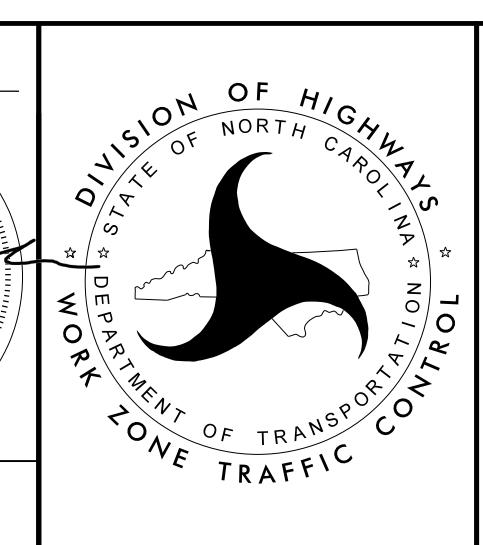


23-JUN-2025 10:54  
B:\5018\341\CAD\Transportation\_Planning\DOT\Work Zone Traffic Control\Plans\HI-0005\_ddc-Detour 3A.dgn  
by J. Todd Brooks

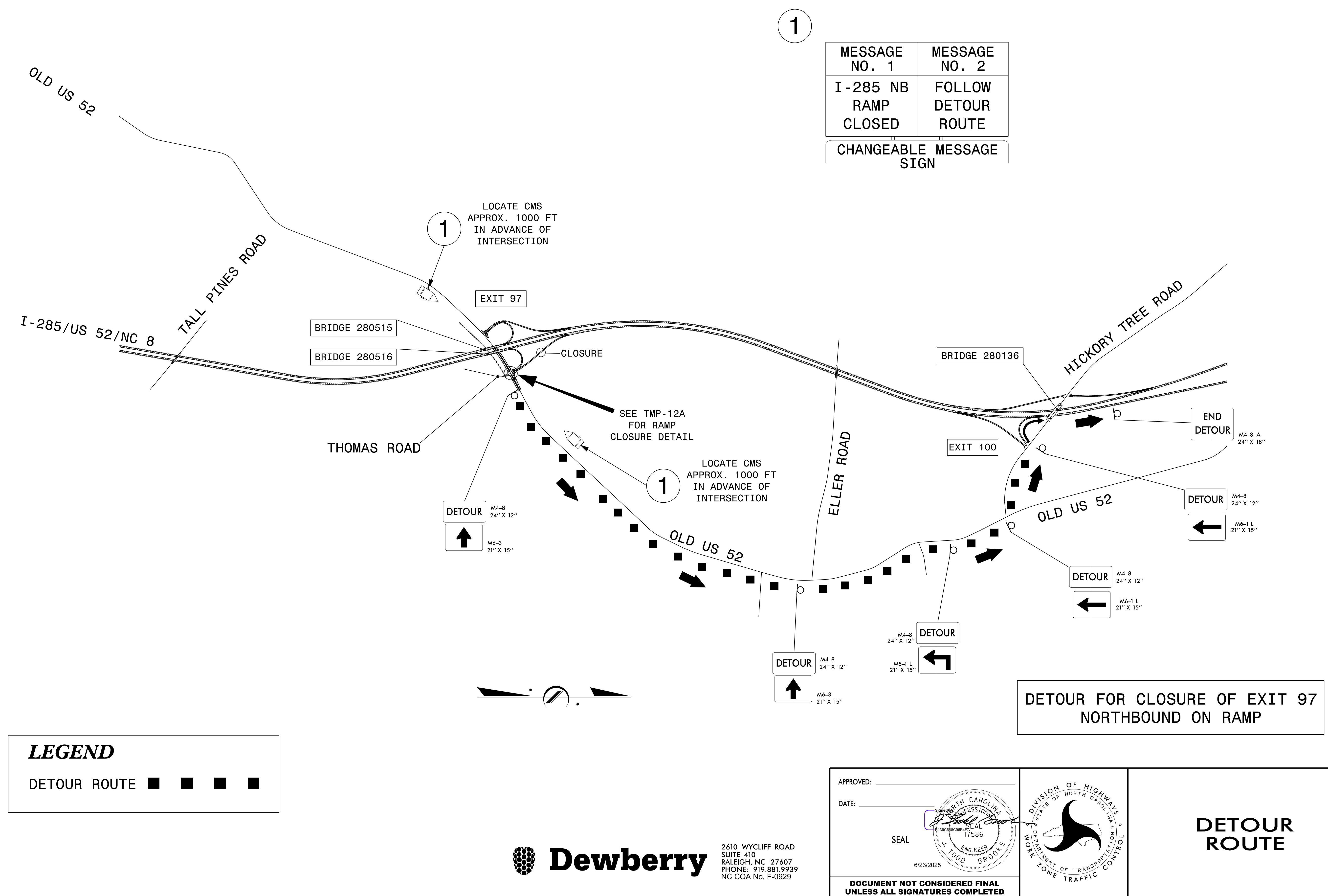
 **Dewberry**

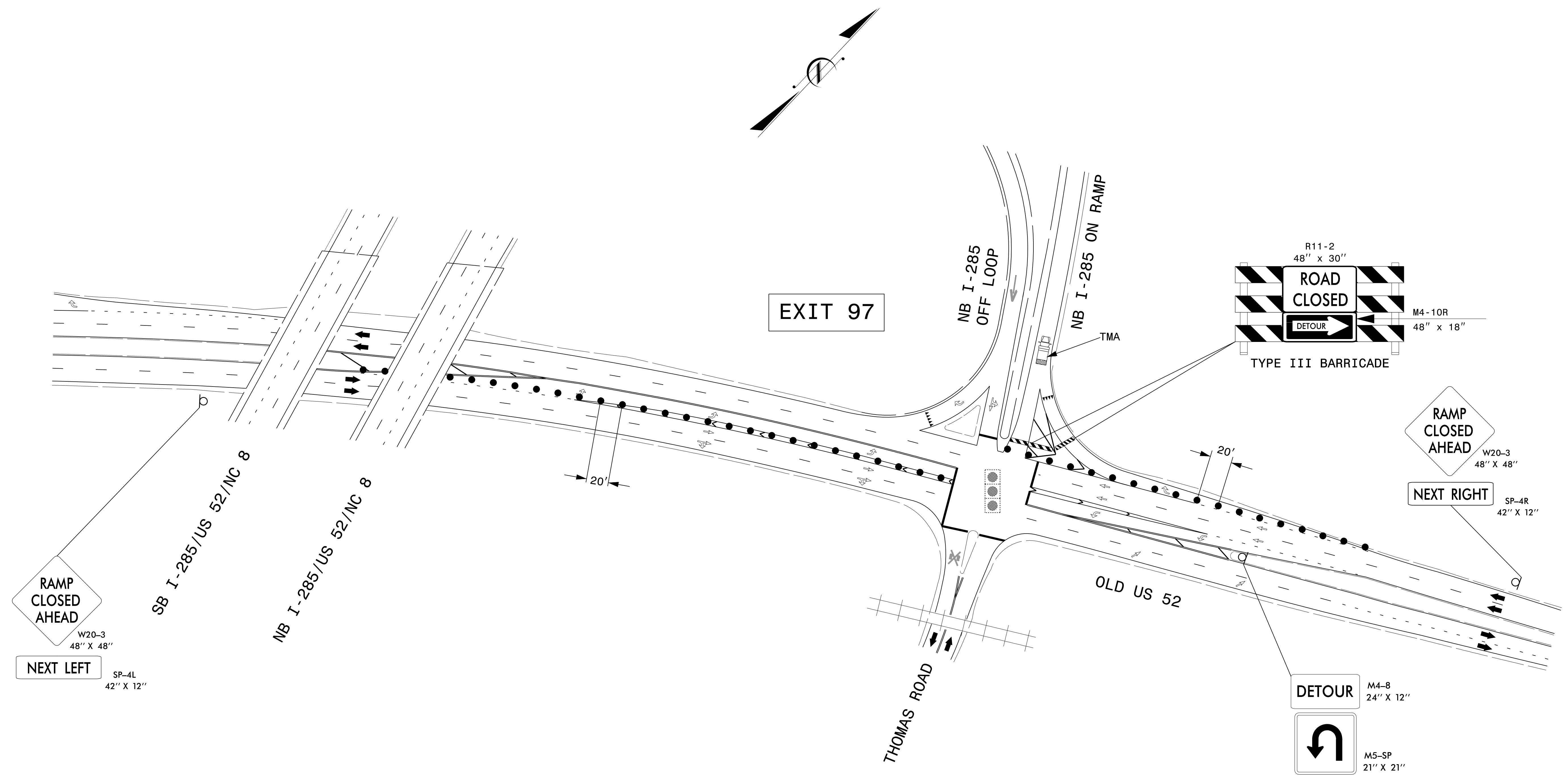
2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

APPROVED: _____	
DATE: _____	
SEAL	
J. TODD BROOKS	
6/23/2025	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



**RAMP CLOSURE  
DETAIL**



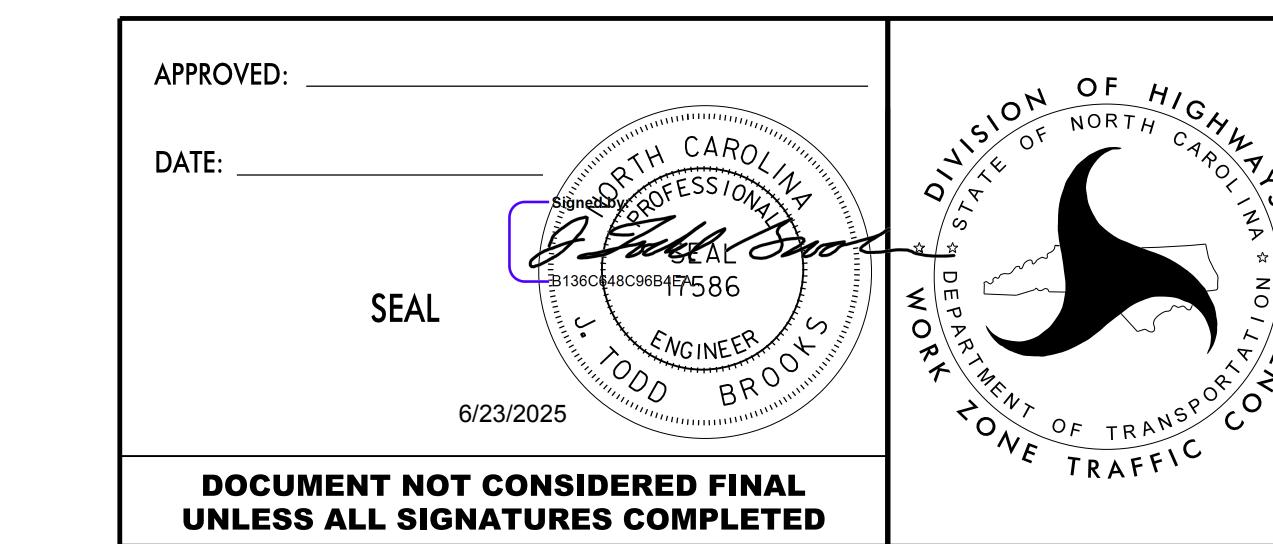


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iwhles

 **Dewberry**

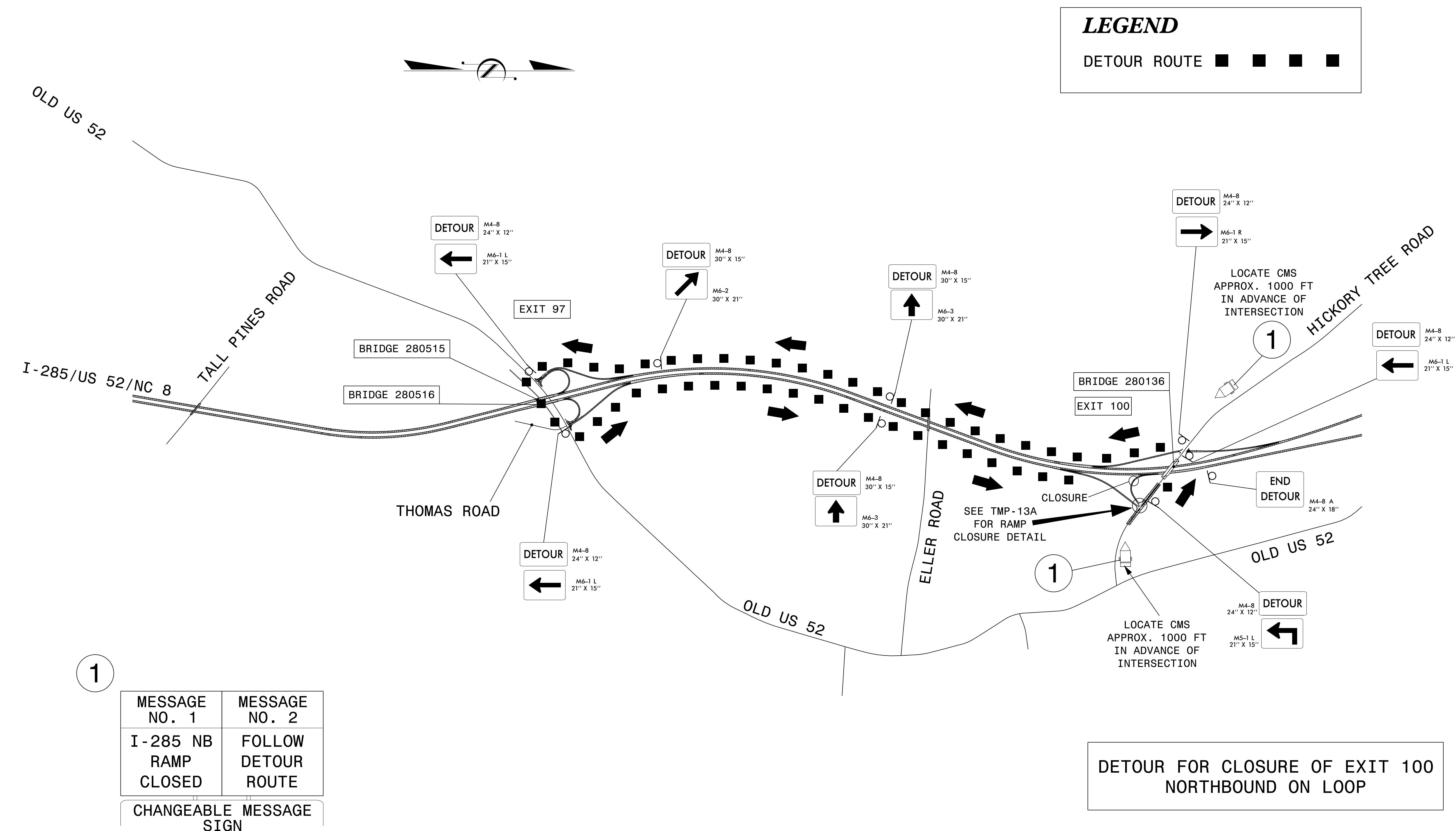
2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

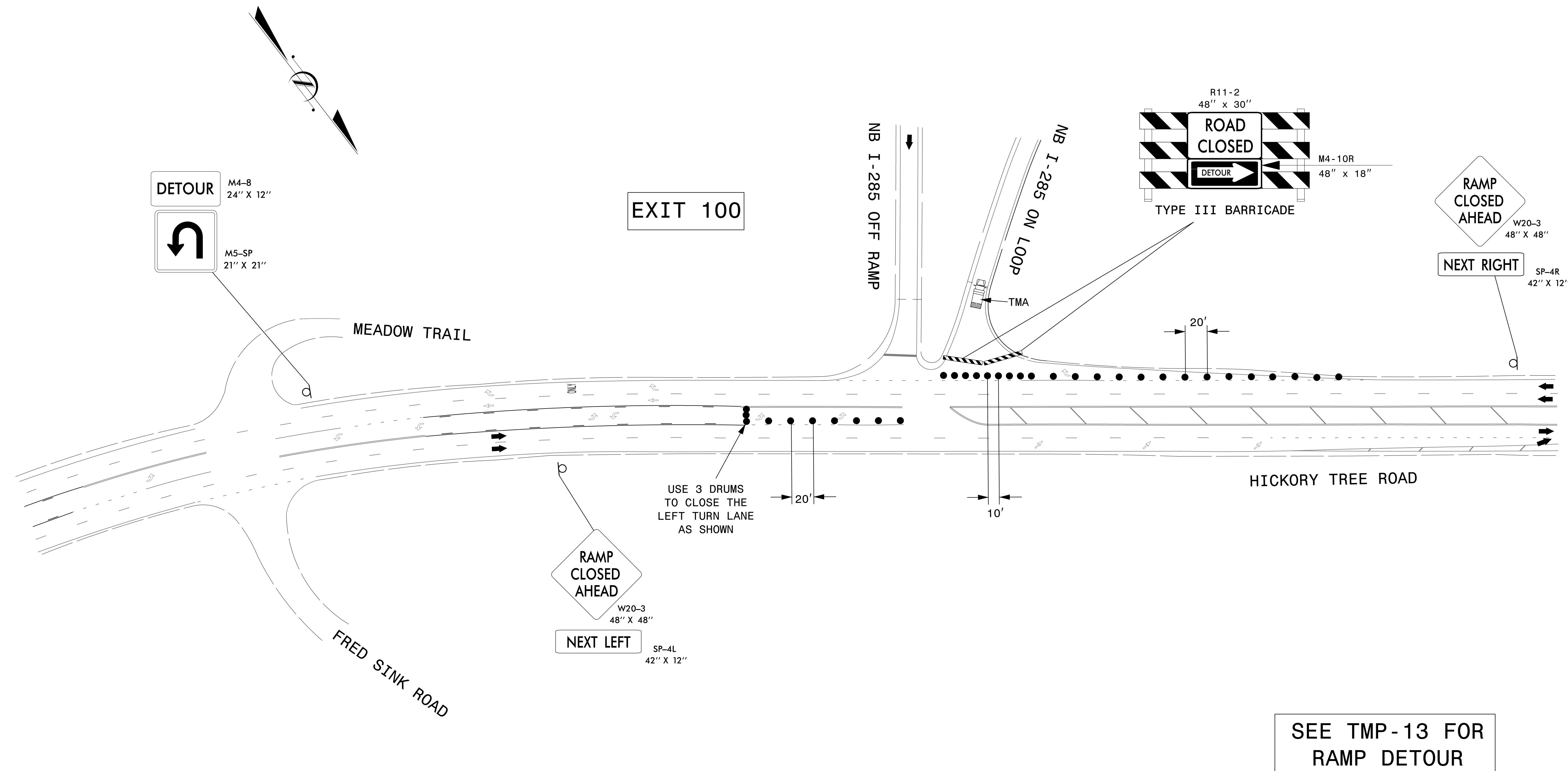
APPROVED: _____	
DATE: _____	
SEAL	
J. TODD BROOKS	
6/23/2025	

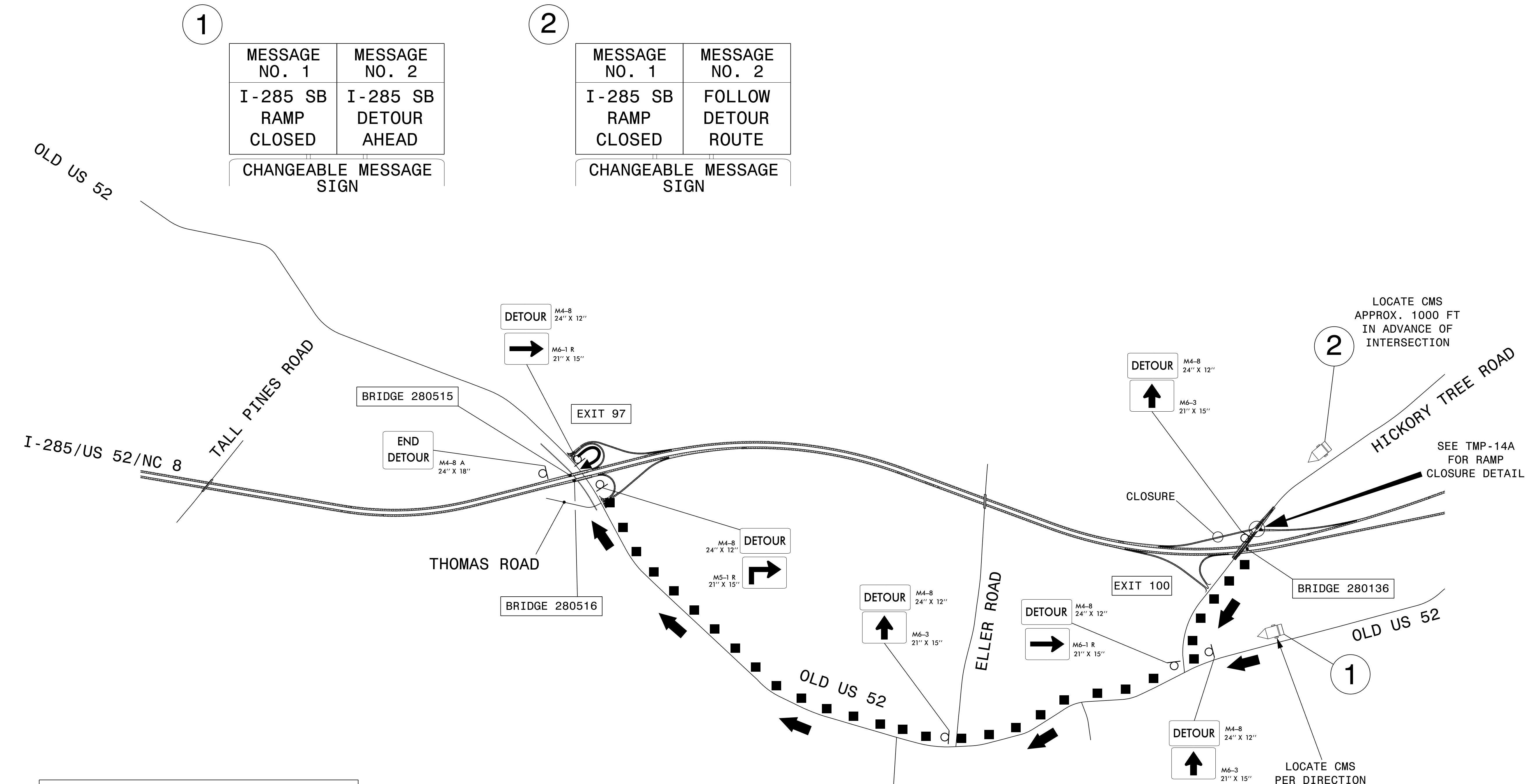


DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

**RAMP CLOSURE  
DETAIL**

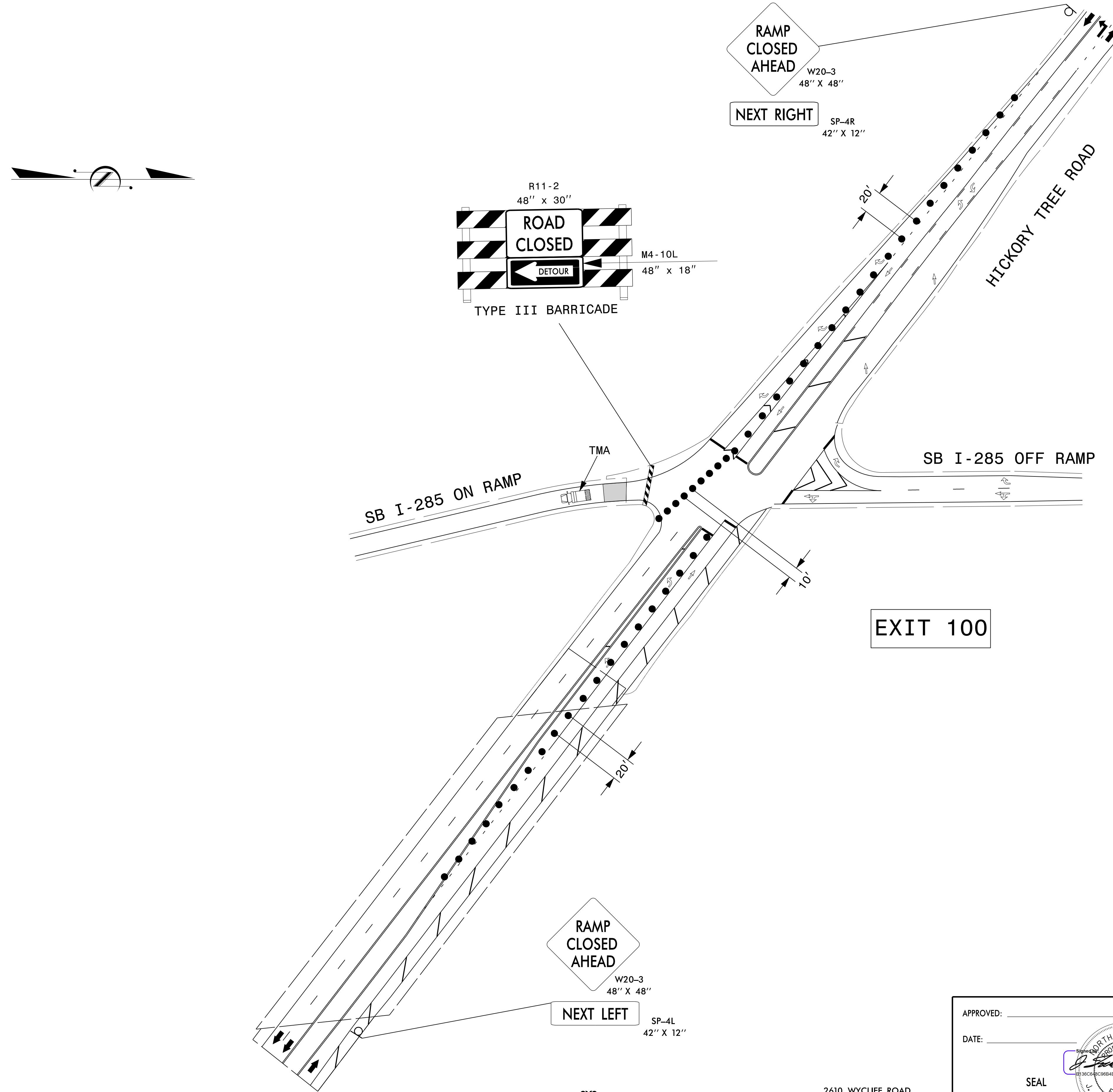





**LEGEND**

DETOUR ROUTE ■ ■ ■ ■

 DETOUR FOR CLOSURE OF EXIT 100  
SOUTHBOUND ON RAMP



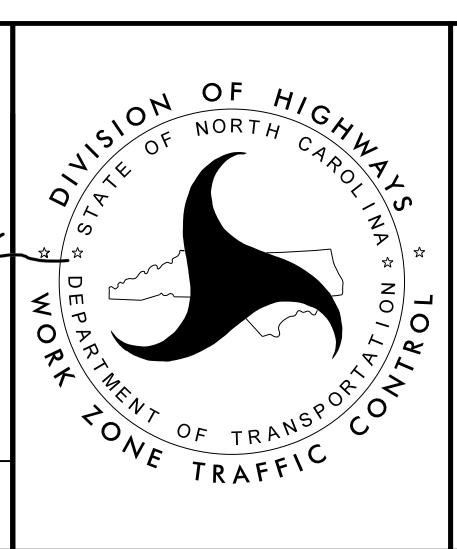
23-JUN-2025 10:54  
 B:\50183\41\CAD\Transportation\_Planning\Planning\DOT\Work Zone Traffic Control\Plans\HI-0005\_ddc\_Detour 6A.dgn  
 i:\wiles

 **Dewberry**

2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

APPROVED: _____	
DATE: _____	
SEAL	
J. Todd Brooks 6/23/2025	

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

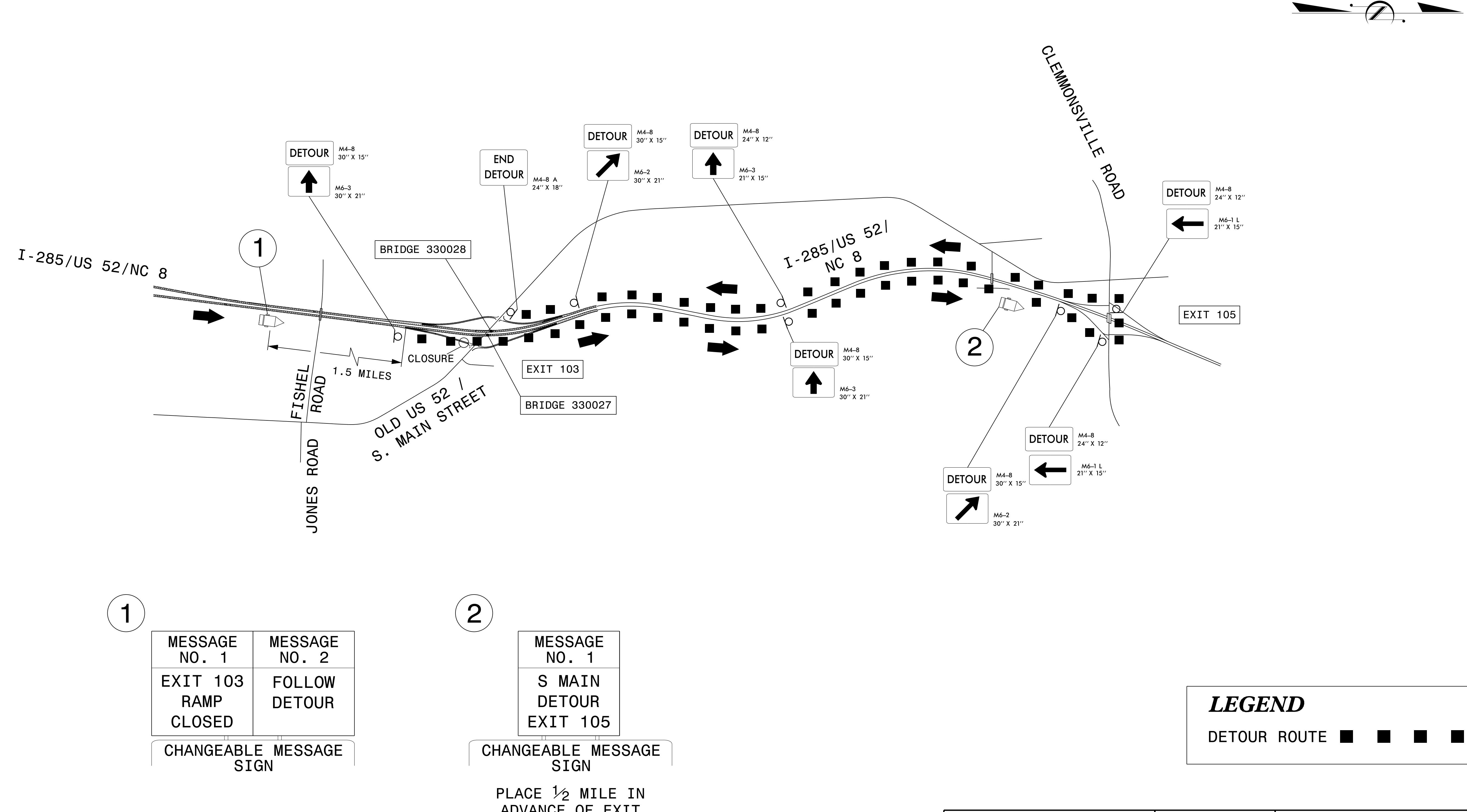


**RAMP CLOSURE  
 DETAIL**

# DETOUR FOR CLOSURE OF EXIT 10 NORTHBOUND OFF RAMP

## NOTE

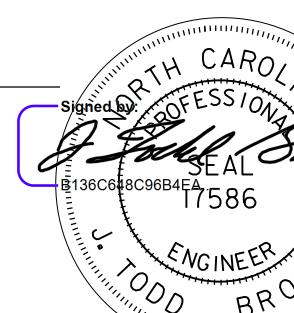
CLOSE EXIT 103 NORTHBOUND OFF RAMP USING RSD 1101.0  
SHEET 12 OF 19.

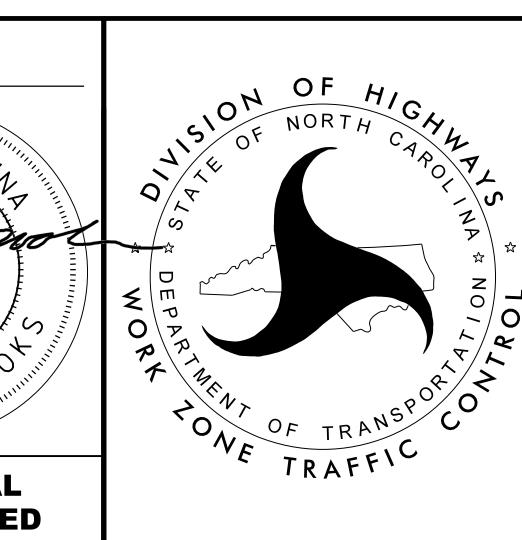




# Dewberry

**y** 2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9933  
NC COA No. F-0929

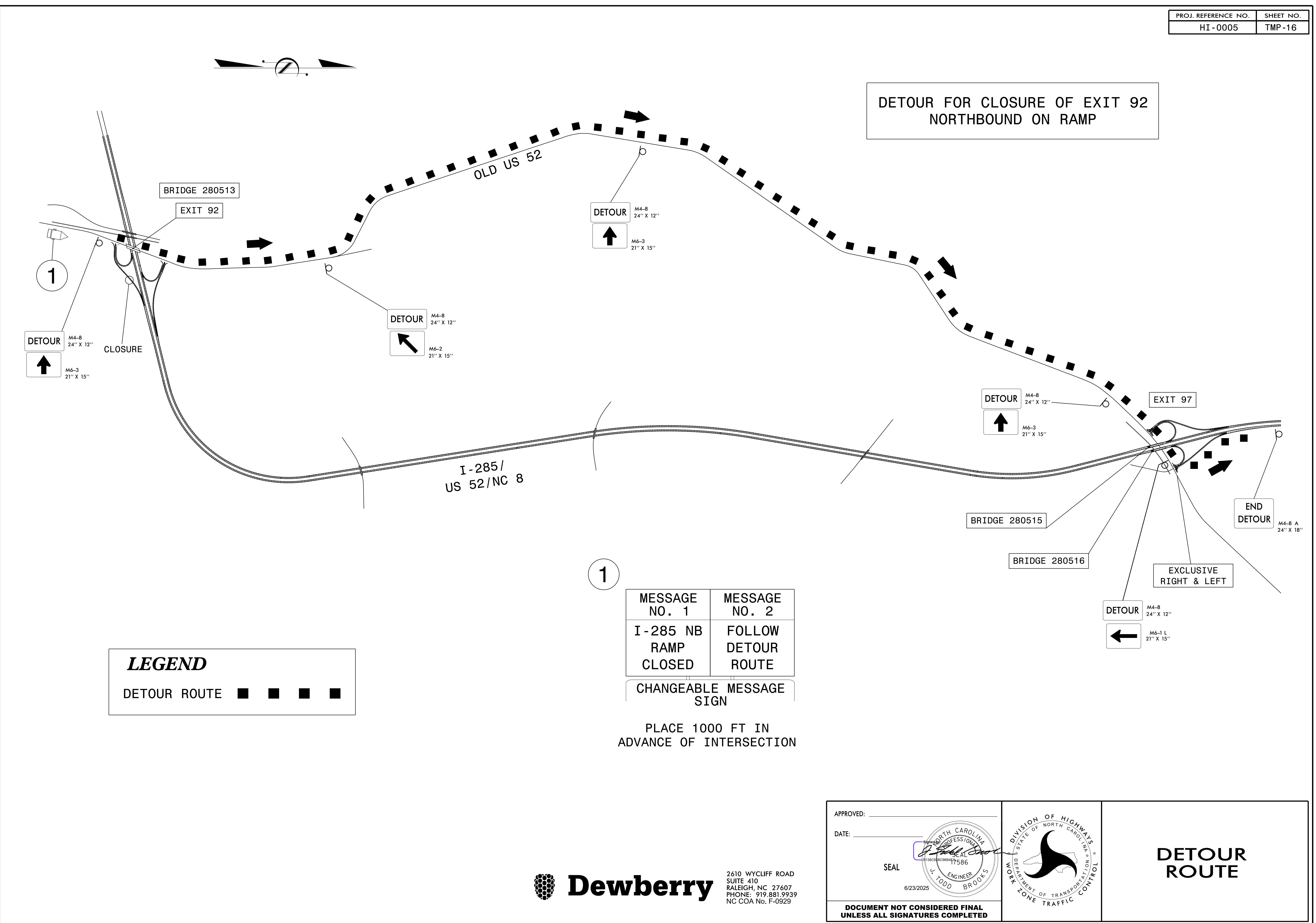
APPROVED: _____	 <div style="position: absolute; top: 10px; left: 10px; border: 2px solid blue; padding: 2px;">Signed by:</div> <div style="position: absolute; top: 10px; left: 10px; border: 2px solid blue; padding: 2px;">J. Todd</div> <div style="position: absolute; top: 10px; left: 10px; border: 2px solid blue; padding: 2px;">6/23/2025</div>
DATE: _____	
<b>SEAL</b> <b>6/23/2025</b>	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

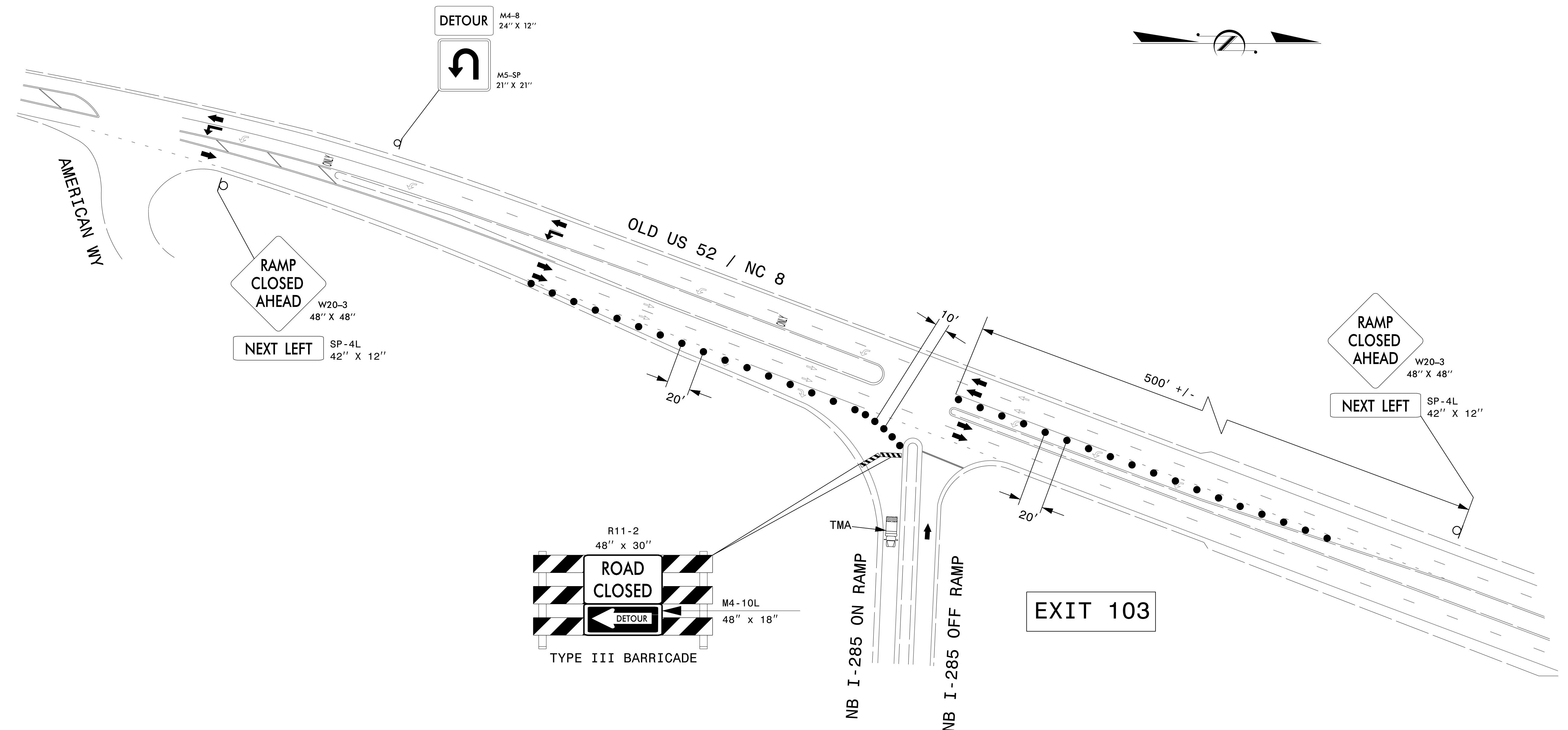


# DETOUR ROUTE

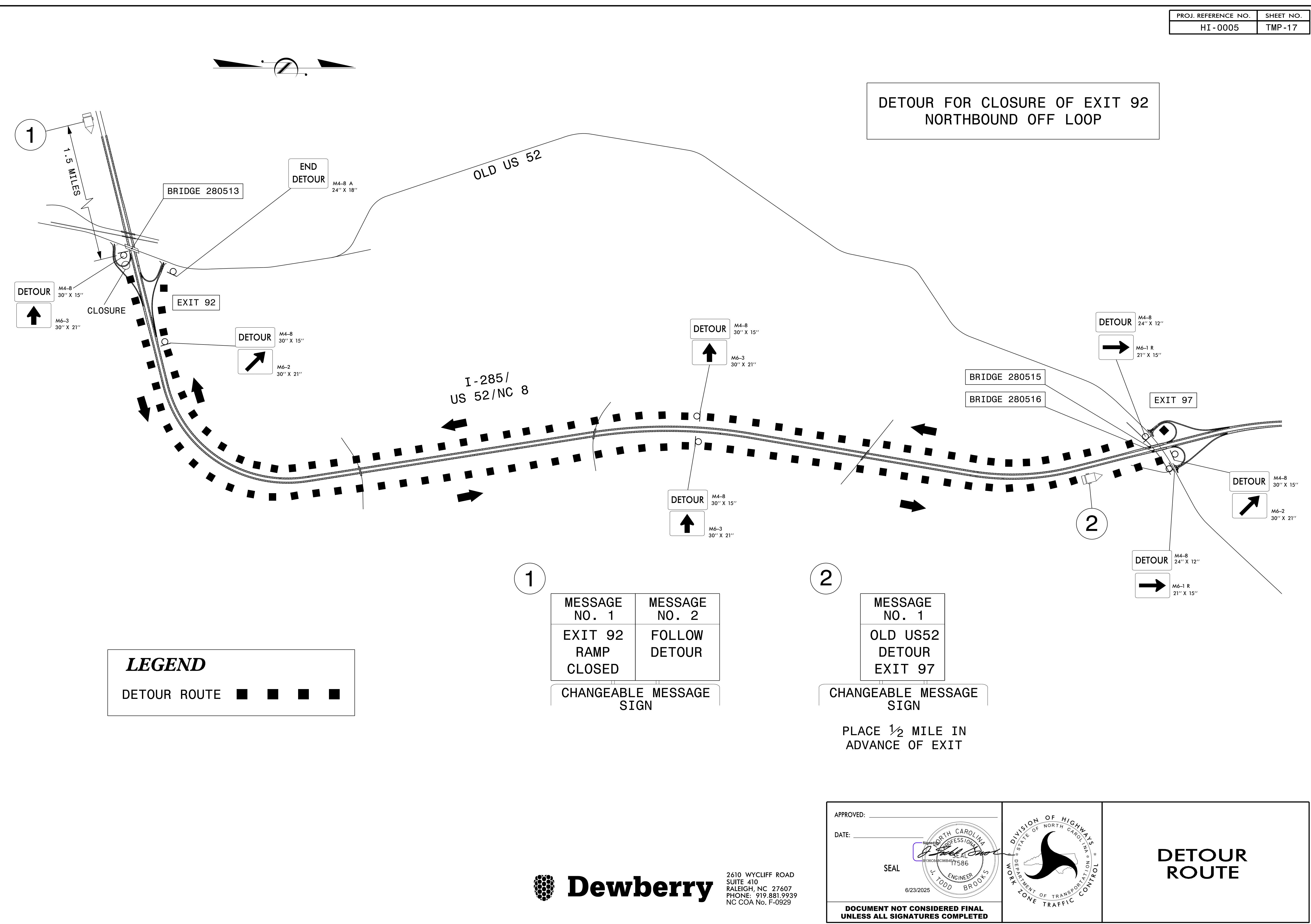
## **LEGEND**

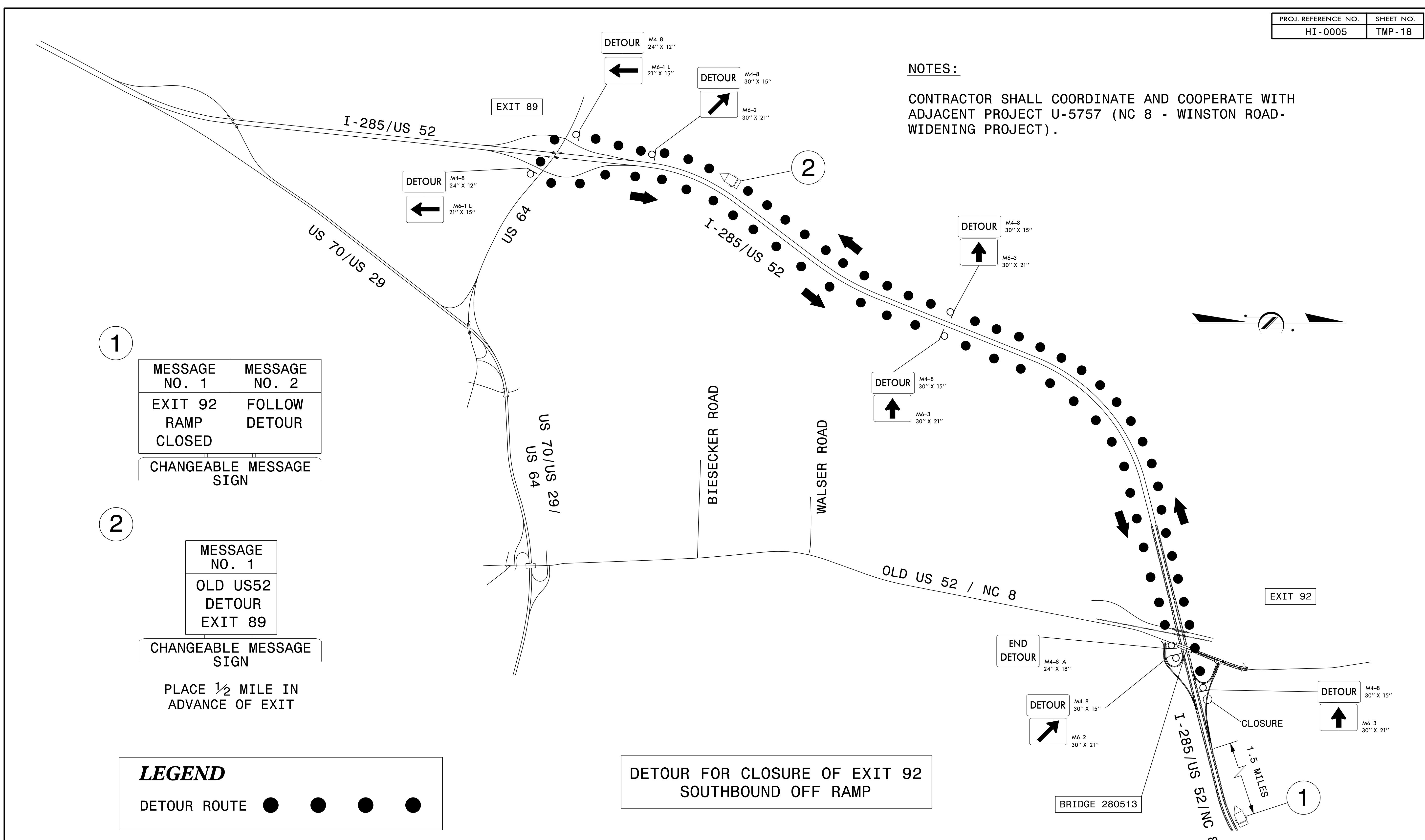
## DETOUR ROUTE





SEE TMP-16  
FOR RAMP DETOUR





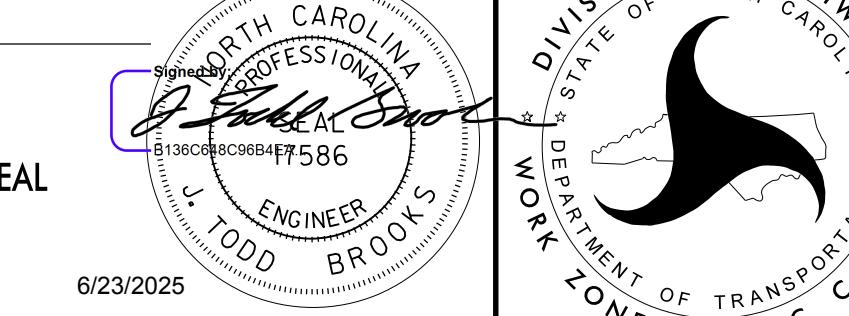
# DETOUR ROUTE



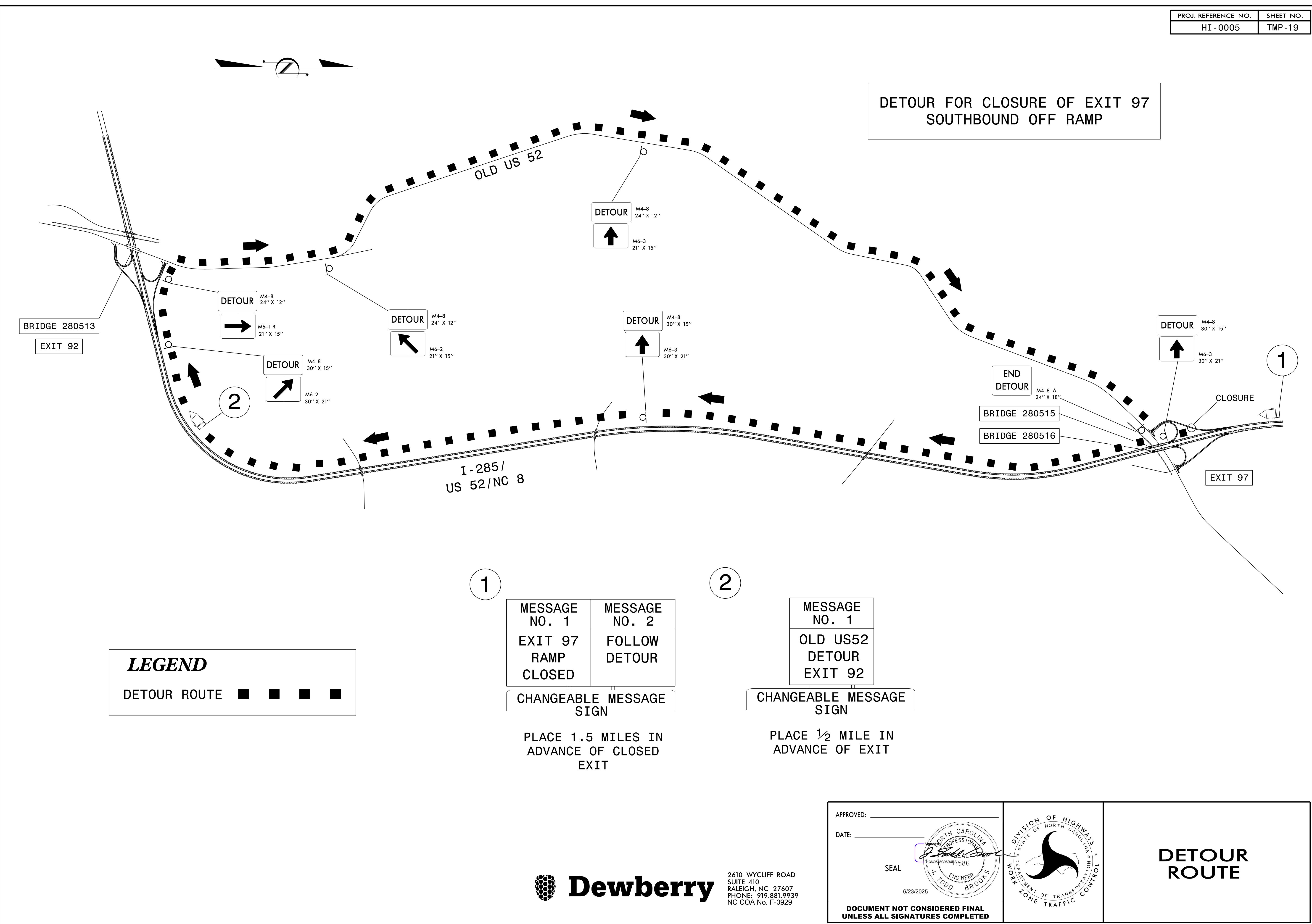
**y** 2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9933  
NC COA No. F-0929

\_\_\_\_\_

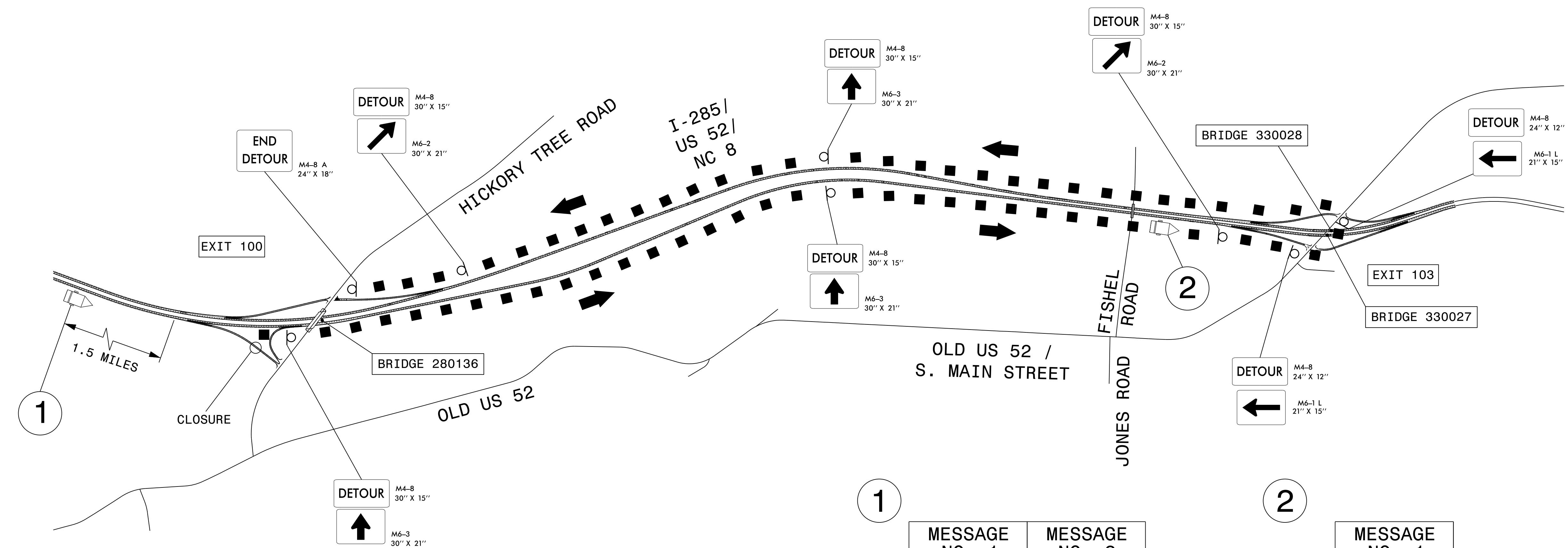
5475 11 CARO



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



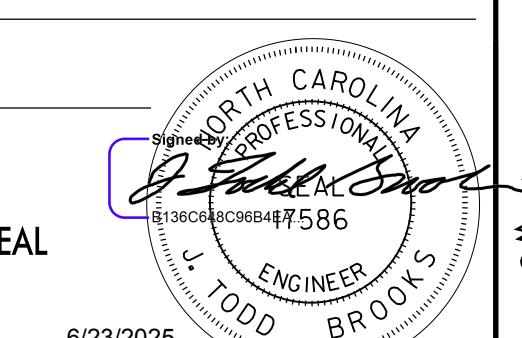
**DETOUR FOR CLOSURE OF EXIT 100  
NORTHBOUND OFF RAMP**



MESSAGE NO. 1	MESSAGE NO. 2
EXIT 100 RAMP CLOSED	FOLLOW DETOUR
CHANGEABLE MESSAGE SIGN	

MESSAGE NO. 1	
HICKTREE DETOUR EXIT 103	
CHANGEABLE MESSAGE SIGN	

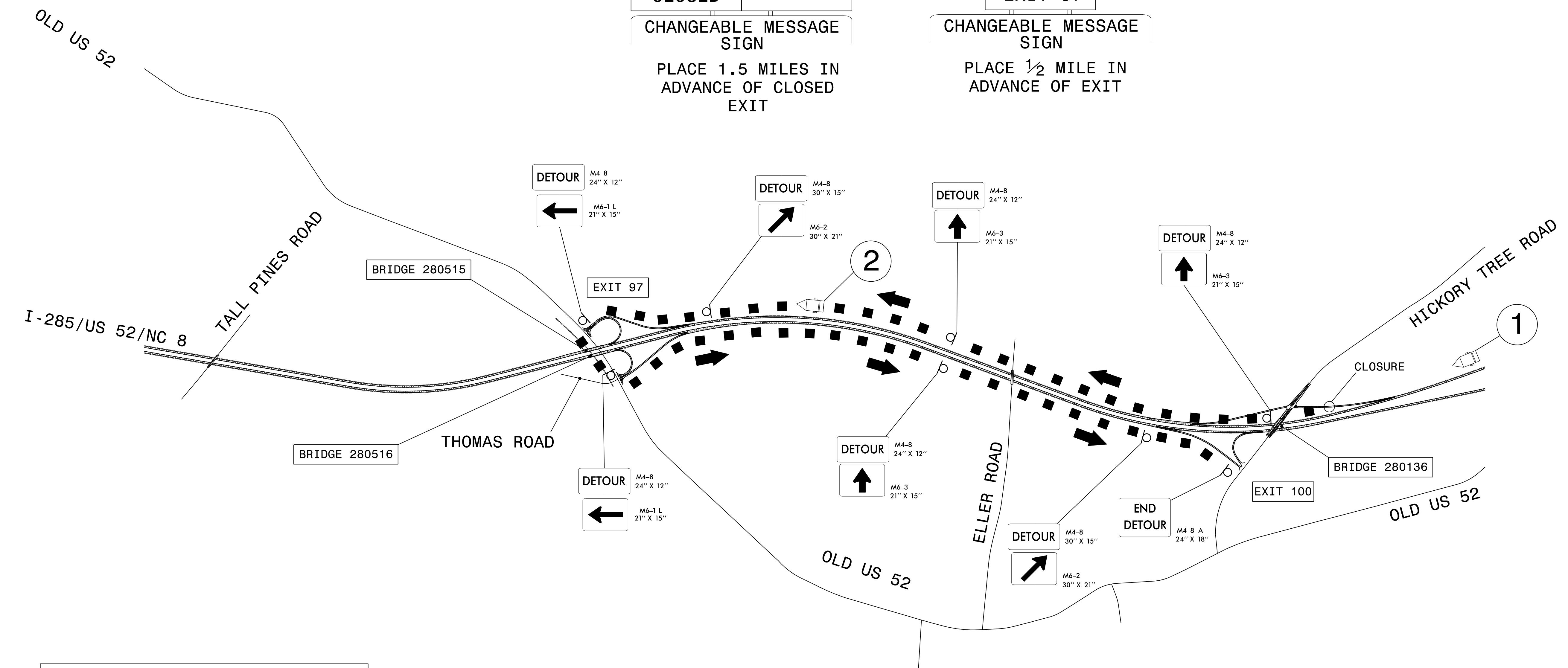
PLACE  $\frac{1}{2}$  MILE IN  
ADVANCE OF EXIT

APPROVED: _____	 J. Todd Brooks ENGINEER 6/23/2025
DATE: _____	
SEAL	DIVISION OF HIGHWAY WORK DEPARTMENT OF TRANSPORTATION & TRAFFIC CONTROL STATE OF NORTH CAROLINA
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**Dewberry**

2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

**DETOUR  
ROUTE**

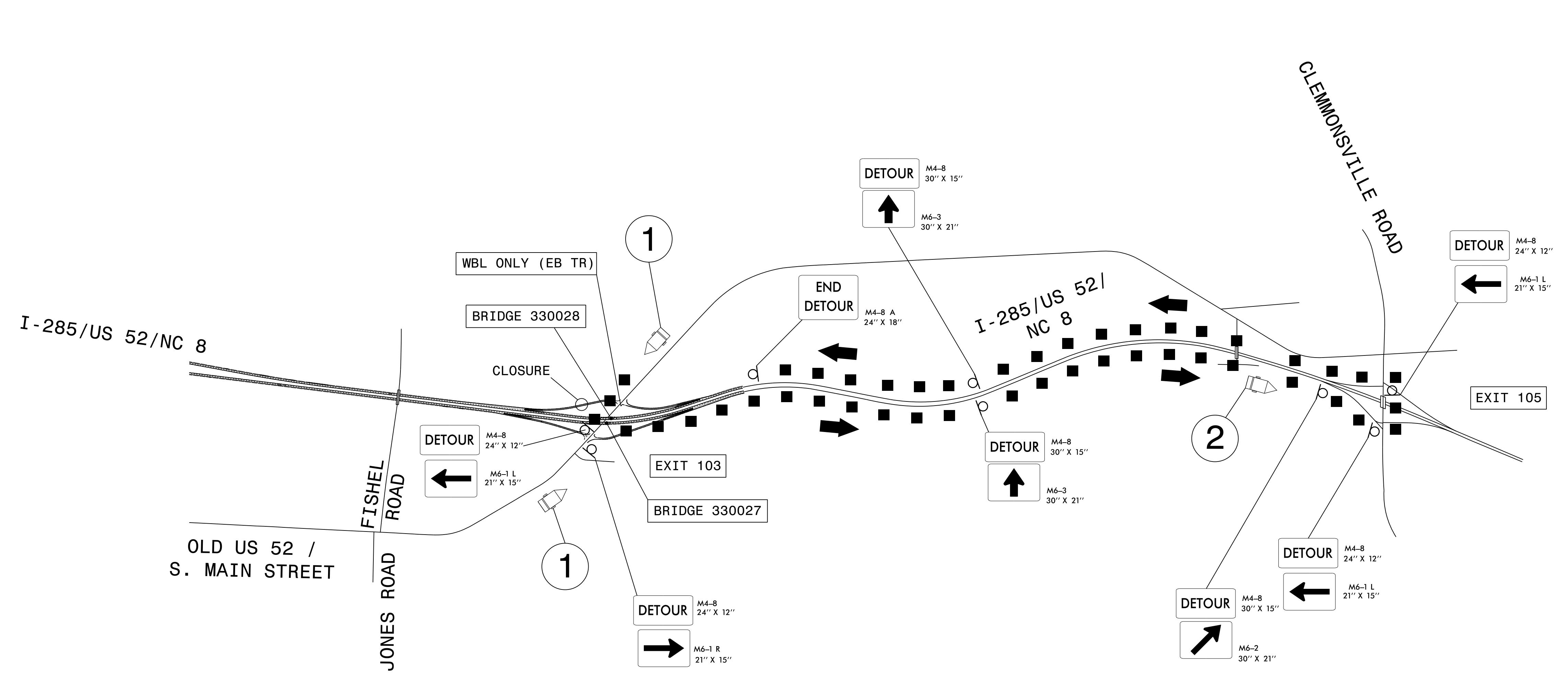


DETOUR FOR CLOSURE OF EXIT 100  
SOUTHBOUND OFF RAMP

APPROVED: _____	DATE: _____	
SEAL	6/23/2025	
<div style="text-align: center;"> </div>		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

**DETOUR ROUTE**

# DETOUR FOR CLOSURE OF EXIT 10 SOUTHBOUND ON RAMP



1

MESSAGE NO. 1	MESSAGE NO. 2
I - 285 SB RAMP CLOSED	FOLLOW DETOUR ROUTE
CHANGEABLE MESSAGE SIGN	

PLACE 1000 FT IN  
ADVANCE OF INTERSECTI





# Dewberry

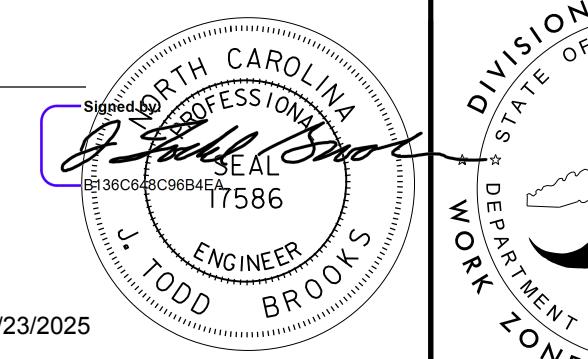
**y** 2610 WYCLIFF RO  
SUITE 410  
RALEIGH, NC 2761  
PHONE: 919.881.92  
NC COA No. F-092

## **LEGEND**

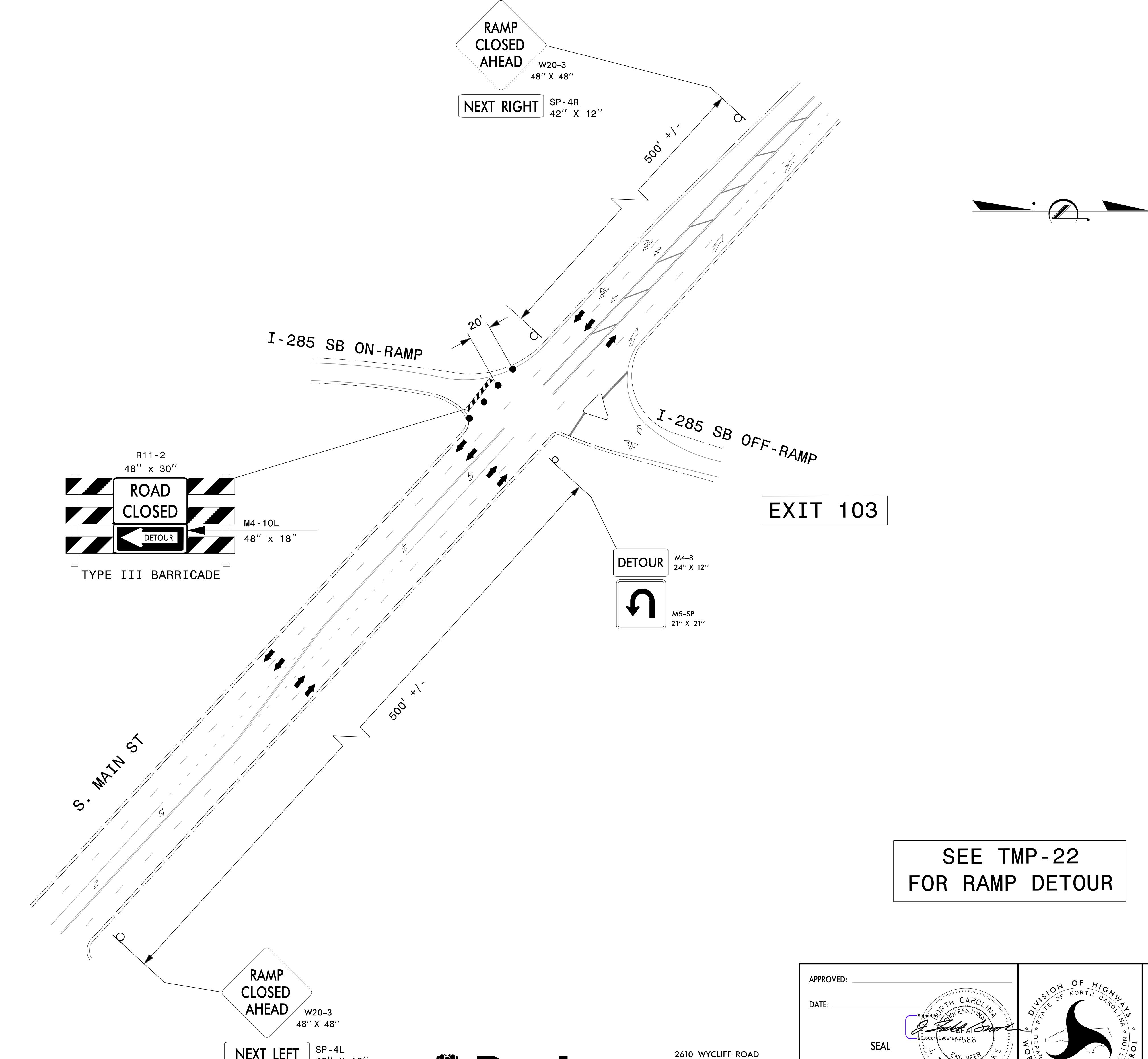
## DETOUR ROUTE █ █ █ █

1. *What is the primary purpose of the study?*

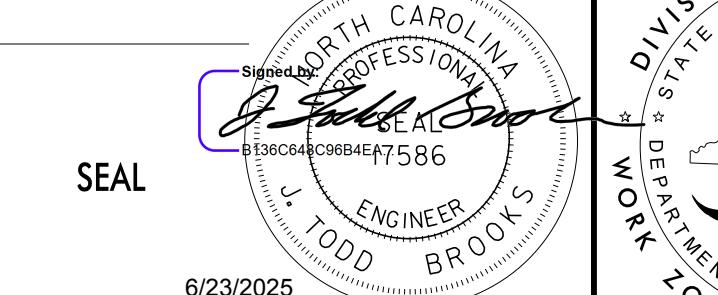
DATE: 10/10/2018 



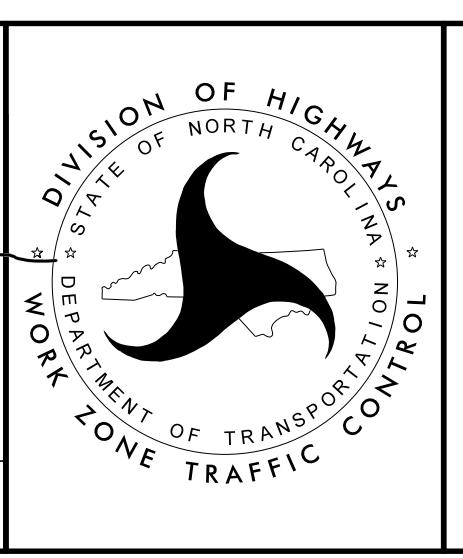
# DETOUR ROUTE



2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_  
  
  
J. TODD BROOKS  
6/23/2025  
  
SEAL  
  

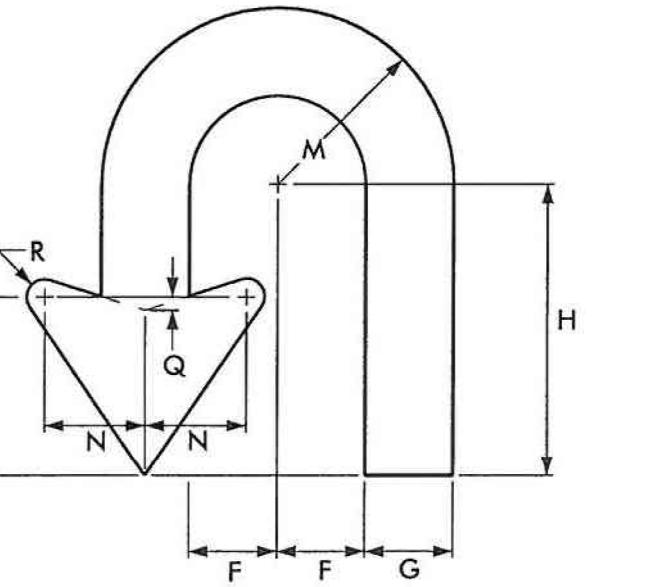
6/23/2025



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

**RAMP CLOSURE  
DETAIL**

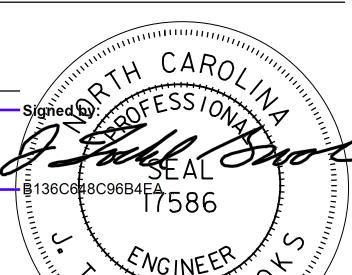
6/23/2025  
P:\50185\34\CAD\Transportation\_Planning\DOT\Work Zone Traffic Control\Plans\HI-0005\_ddc\_Temp Sign Design.dgn  
User: iwillies

SIGN NUMR: M5-SP TYPE: F Ground QUANTITY: 1	BACKG. COLOR: Fluorescent Orange COPY COLOR: Black	DESIGN BY: PROJECT ID: HI-0005	CHK BY: DIV: 09	STD #: DATE:	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRANSPORTATION MOBILITY & SAFETY SIGNING & DELINEATION UNIT																		
SIGN WIDTH: 1'-9" HEIGHT: 1'-9" TOTAL AREA: 3.1 Sq.Ft.																							
MAT'L: 0.063 " ALUMINUM																							
BORDER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.63" RADII: 1.5"																							
NO. Z BARS: LENGTH:																							
<p>NOTES:</p> <ol style="list-style-type: none"> <li>1. Legend and border shall be direct applied Non-reflective sheeting.</li> <li>2. Background shall be Grade B reflective sheeting.</li> </ol>																							
<p><b>Arrow Details</b></p> 																							
<table border="1"> <tr> <th>ARROW DIMENSIONS (INCHES)</th> <th>F</th> <th>G</th> <th>H</th> <th>M</th> <th>N</th> <th>P</th> <th>Q</th> <th>R</th> </tr> <tr> <td></td> <td>2.625</td> <td>2.625</td> <td>8.659</td> <td>5.25</td> <td>3</td> <td>5.25</td> <td>0.375</td> <td>0.5</td> </tr> </table>		ARROW DIMENSIONS (INCHES)	F	G	H	M	N	P	Q	R		2.625	2.625	8.659	5.25	3	5.25	0.375	0.5				
ARROW DIMENSIONS (INCHES)	F	G	H	M	N	P	Q	R															
	2.625	2.625	8.659	5.25	3	5.25	0.375	0.5															
Spacing Factor is 1 unless specified otherwise																							
FILENAME: GSENG																							



The logo for Dewberry. It consists of a cluster of approximately 20-30 small, solid black circles of varying sizes, arranged in a roughly circular pattern. To the right of this graphic, the word "Dewberry" is written in a large, bold, black, sans-serif font. The "D" is capitalized and has a slightly irregular, hand-drawn feel.

2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9931  
NC COA No. F-0929

APPROVED: _____	
DATE: _____	
<b>SEAL</b>	
	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
	

# TEMPORARY SIGN DESIGN