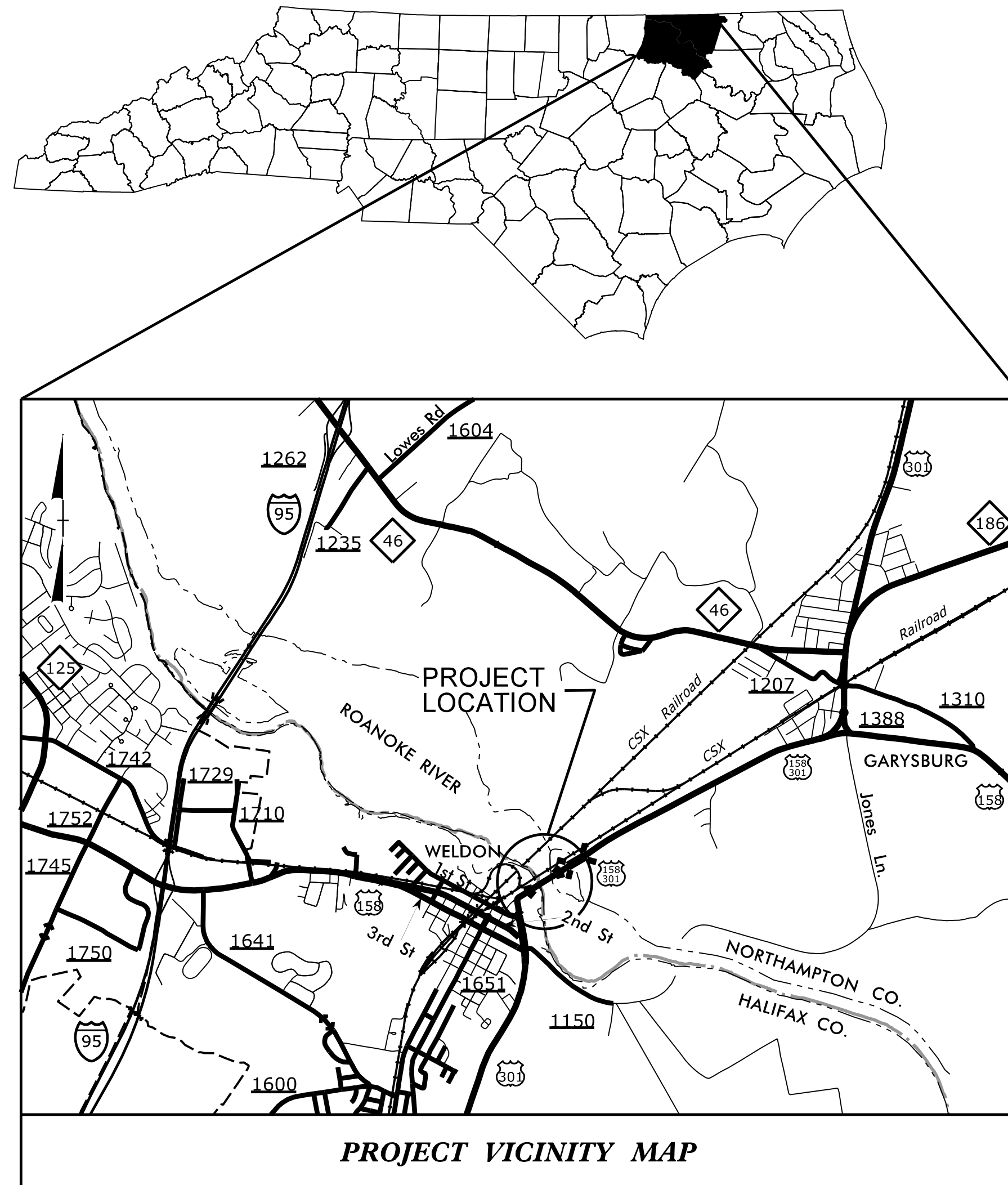


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN
HALIFAX /NORTHAMPTON COUNTIES



LOCATION: BRIDGE #63 – US 158/US 301 OVER ROANOKE RIVER

TYPE OF WORK: LATEX MODIFIED CONCRETE OVERLAY, JOINT REPLACEMENTS, SUBSTRUCTURE REPAIRS AND PAINTING OF STEEL

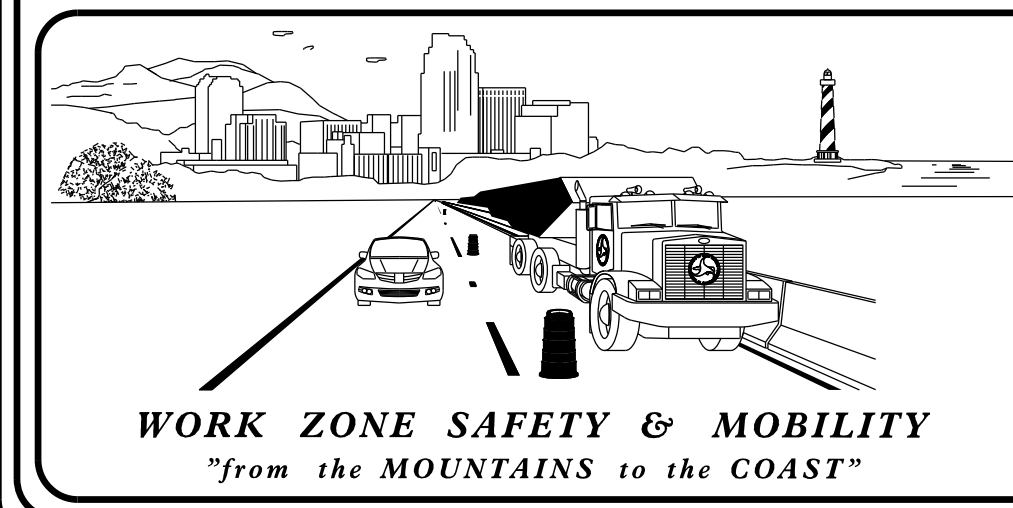
INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-2	TRAFFIC MANAGEMENT STRATEGY, GENERAL NOTES, PHASING AND LOCAL NOTES
TMP-3 & 4	RIGHT HALF WORK AREA DETAILS
TMP-5 & 6	LEFT HALF WORK AREA DETAILS

SHEET NO.
TMP-1

WBS 15BPR.17

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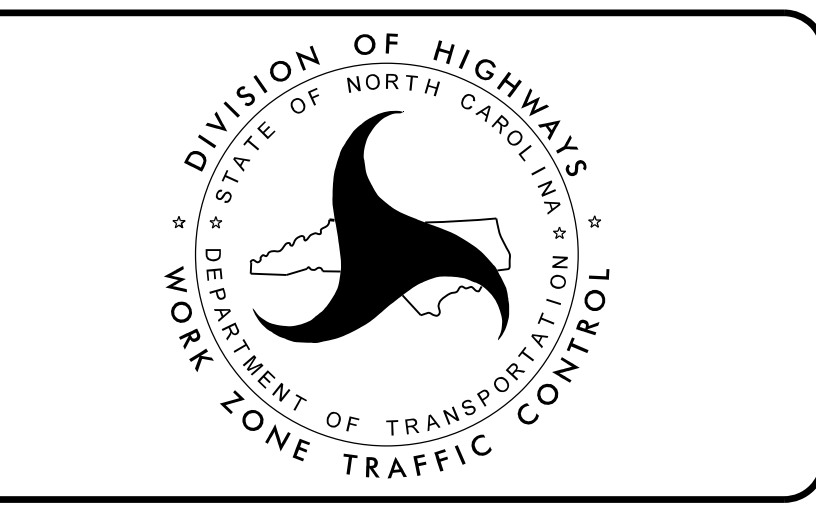
PLANS PREPARED BY:

MIKE RZEPKA, P.E.
PROJECT ENGINEER

YVETTE MARIOTTE
PROJECT DESIGN ENGINEER

NCDOT CONTACTS:

T. M. SHERRILL, P.E.
PRESERVATION AND REPAIR STAFF ENGINEER



HR

555 Fayetteville St,
Suite 900
Raleigh, NC 27601
NC License No: F-0258

APPROVED: Michael T. Rzepka
DATE: 10/19/2018

SEAL

SEAL
15876
ENGINEER
MICHAEL T. RZEPKA

10/19/2018
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ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

<u>STD. NO.</u>	<u>TITLE</u>
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
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1165.01	TRUCK MOUNTED ATTENUATOR
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT)

LEGEND

GENERAL

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

TRAFFIC CONTROL DEVICES

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

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

SIGNALS

- EXISTING
- PROPOSED
- PORTABLE

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

PAVEMENT MARKERS

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

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

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APPROVED: DATE: 10/19/2018		
ROADWAY STANDARD DRAWINGS AND LEGEND		
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TRAFFIC MANAGEMENT STRATEGY

PROPOSED REPAIRS TO BRIDGE #63 WILL BE PERFORMED USING LANE CLOSURES. REFER TO THIS SHEET FOR PHASING.

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 TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME

US 158

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 12:00 A.M. DECEMBER 31st TO 11:59 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 11:59 P.M. THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 12:00 A.M. THURSDAY AND 11:59 P.M. MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 12:00 A.M. FRIDAY TO 11:59 P.M. TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 12:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 11:59 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 12:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 11:59 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.

6. FOR LABOR DAY, BETWEEN THE HOURS OF 12:00 A.M. FRIDAY AND 11:59 P.M. TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 12:00 A.M. TUESDAY TO 11:59 P.M. MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 12:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 11:59 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

B) 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

- C) 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.
- D) 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.

E) 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.

F) 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.

G) 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.

H) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON US 158.

I) 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.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

K) 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.

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

TRAFFIC CONTROL DEVICES

M) 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) AND 1135 (CONES) FOR ADDITIONAL REQUIREMENTS.

PAVEMENT MARKINGS AND MARKERS

N) UPON COMPLETION OF ALL CONSTRUCTION OPERATIONS, INSTALL FINAL PAVEMENT MARKINGS AND PAVEMENT MARKERS IN ORIGINAL LOCATIONS AS FOLLOWS:

<u>ROAD NAME</u>	<u>MARKING</u>	<u>MARKER</u>
US 158	POLYUREA W/ STANDARD GLASS BEADS	PERMANENT RAISED

O) INSTALL TEMPORARY PAVEMENT MARKINGS IN ORIGINAL LOCATIONS AS FOLLOWS UNTIL FINAL MARKINGS ARE PLACED:

<u>ROAD NAME</u>	<u>MARKING</u>	<u>MARKER</u>
US 158	PAINT	NONE

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

Q) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

R) PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.

MISCELLANEOUS

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



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Suite 900
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PROJ. REFERENCE NO.	SHEET NO.
15BPR.17	TMP-2


PHASING

PERFORM BRIDGE RESTORATION WORK (SEE STRUCTURE PLANS). WHEN WORK REQUIRES DAILY LANE CLOSURES, USE ROADWAY STANDARD DRAWINGS 1101.02, SHEET 1 OF 14. WHEN WORK REQUIRES EXTENDED LANE CLOSURES (LONGER THAN DAILY), SEE SHEETS TMP-3 THRU 6, AND USE WITH ROADWAY STANDARD DRAWINGS 1101.02, SHEET 14 OF 14.

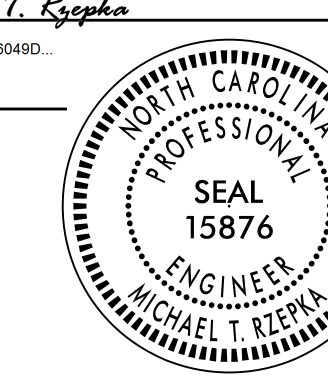
REPLACE PAVEMENT MARKINGS OBLITERATED DURING DECK WORK WITH TEMPORARY PAVEMENT MARKINGS IN THEIR ORIGINAL LOCATIONS UNTIL FINAL MARKINGS ARE INSTALLED.

AT THE COMPLETION OF ALL BRIDGE WORK, USE ROADWAY STANDARD DRAWINGS 1101.02, SHEET 1 OF 14 AND PLACE FINAL PAVEMENT MARKINGS AND MARKERS IN THEIR ORIGINAL LOCATIONS.

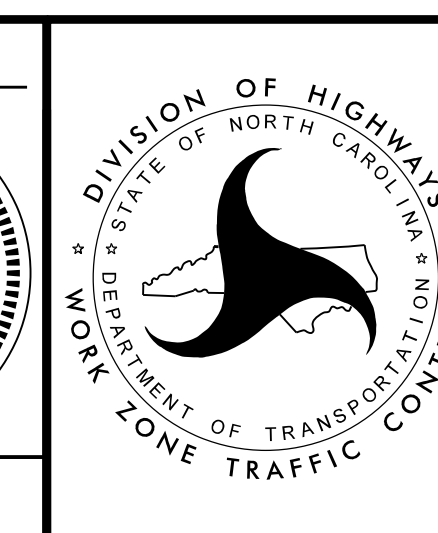
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DATE: 9/10/2020

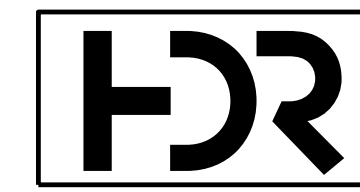
SEAL



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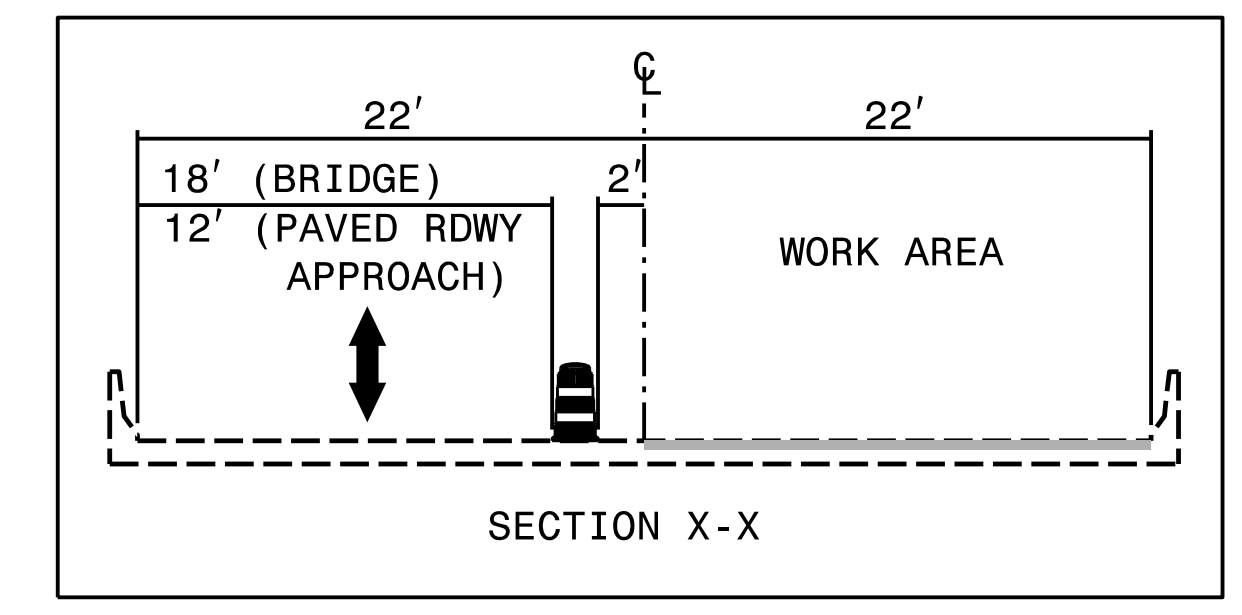
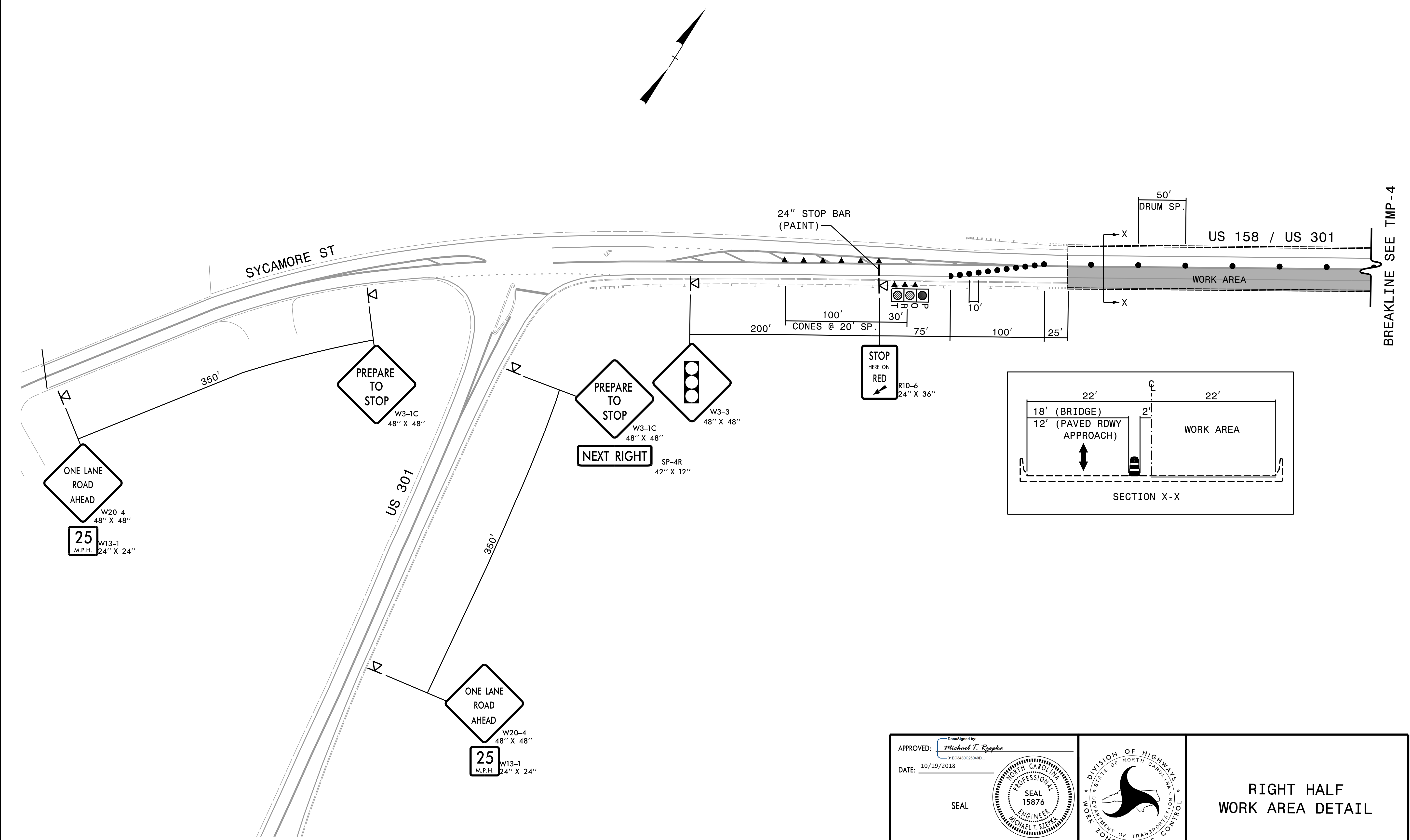


TRAFFIC MANAGEMENT STRATEGY,
GENERAL NOTES, PHASING
AND LOCAL NOTES



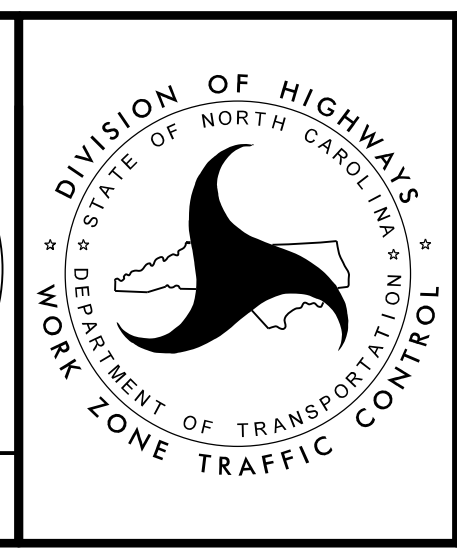
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APPROVED: *Michael T. Repka*
 DATE: 10/19/2018
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 15876
 MICHAEL T. REPKA



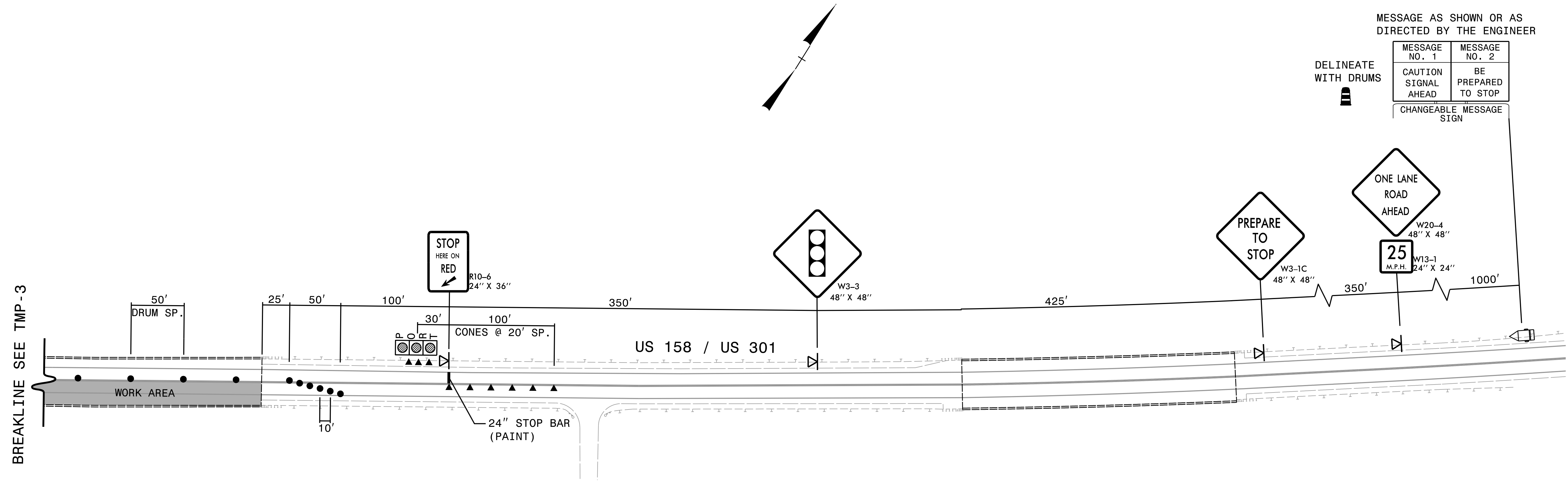
**RIGHT HALF
WORK AREA
DETAIL**

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15BPR.17	TMP-4



BREAKLINE SEE TMP-3

MESSAGE AS SHOWN OR AS DIRECTED BY THE ENGINEER

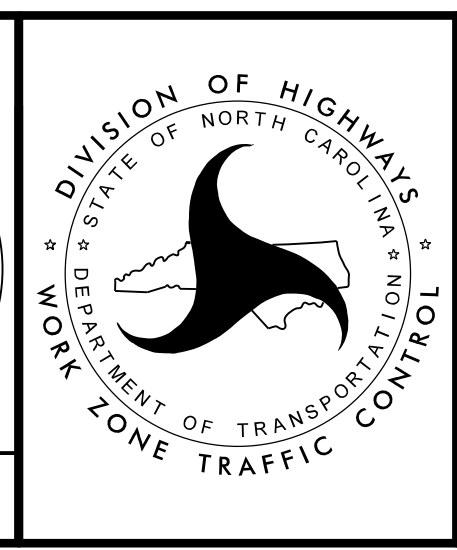
MESSAGE NO. 1	MESSAGE NO. 2
CAUTION SIGNAL AHEAD	BE PREPARED TO STOP
CHANGEABLE MESSAGE SIGN	

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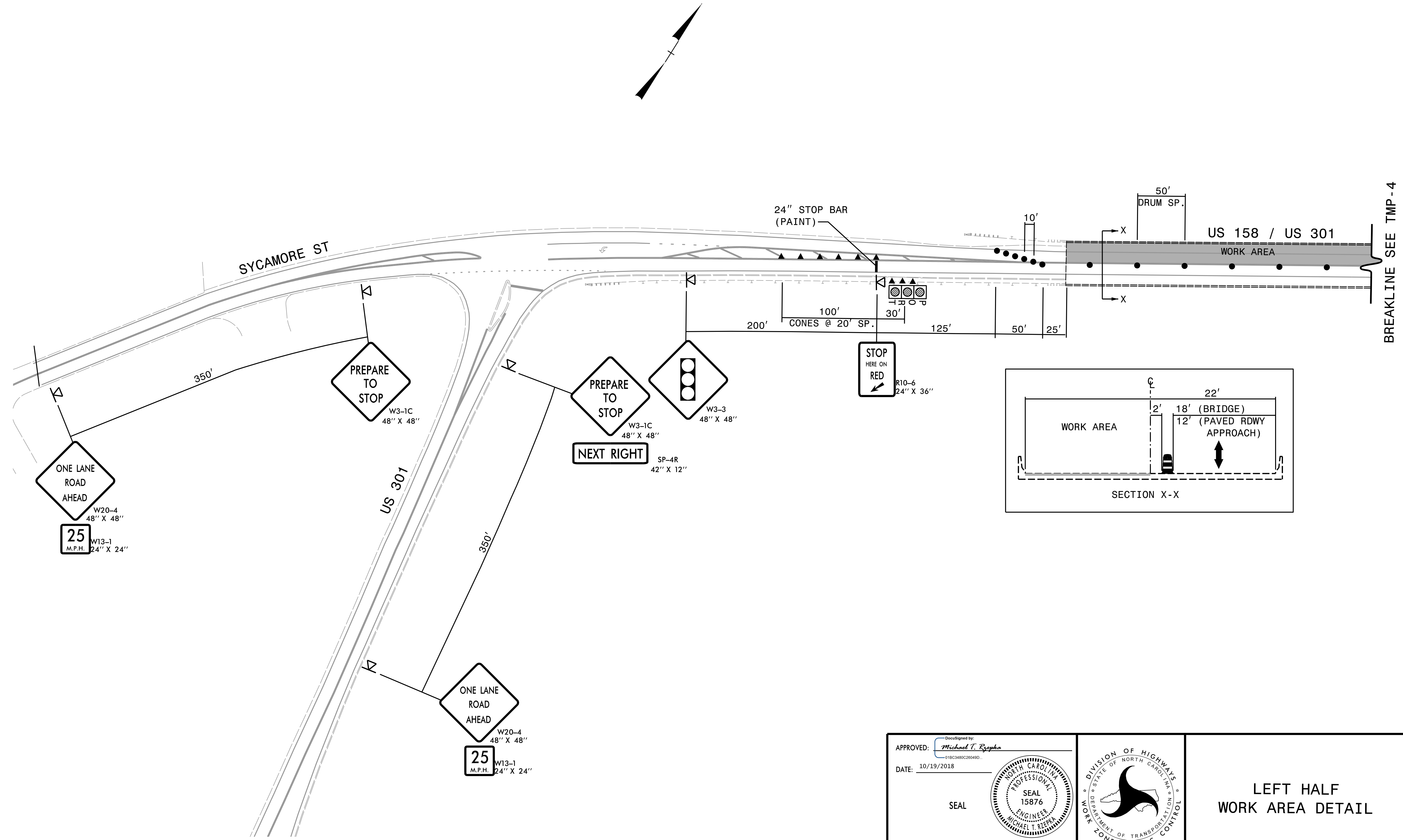
APPROVED: *Michael T. Repka*
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**RIGHT HALF
WORK AREA DETAIL**



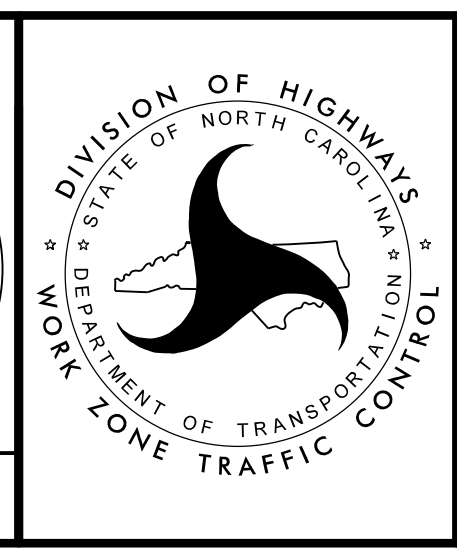
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APPROVED: *Michael T. Reppke*
 DATE: 10/19/2018

SEAL

SEAL
 15876
 ENGINEER
 MICHAEL T. REPPKE

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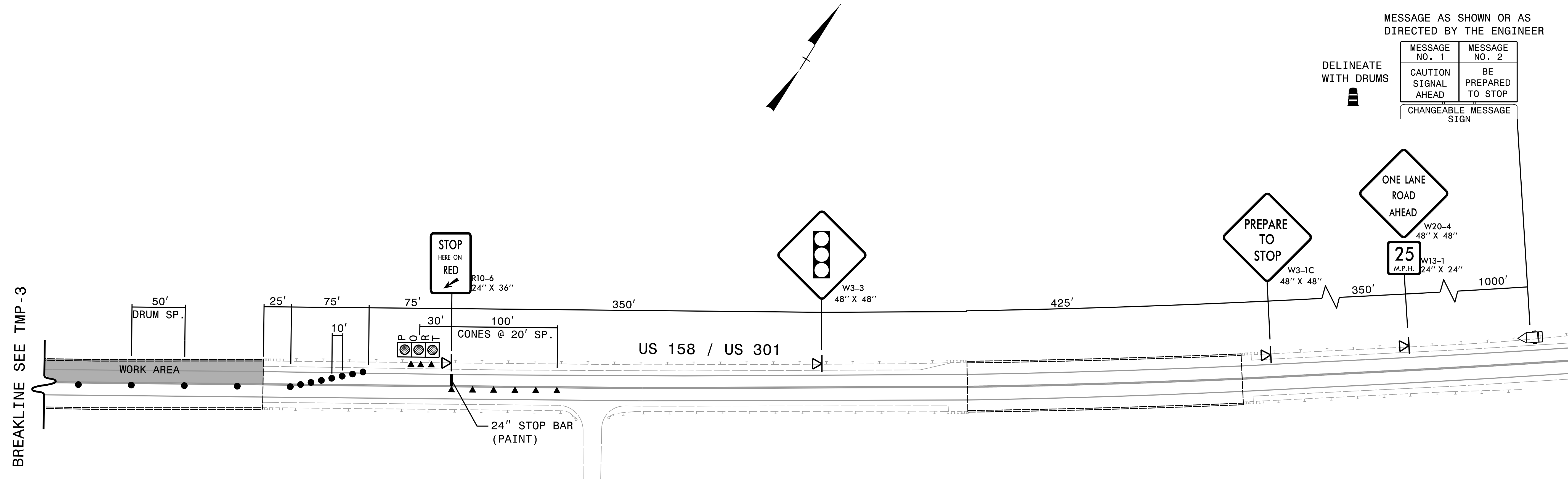


LEFT HALF
 WORK AREA DETAIL



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15BPR.17	TMP-6



MESSAGE AS SHOWN OR AS DIRECTED BY THE ENGINEER

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CHANGEABLE MESSAGE SIGN

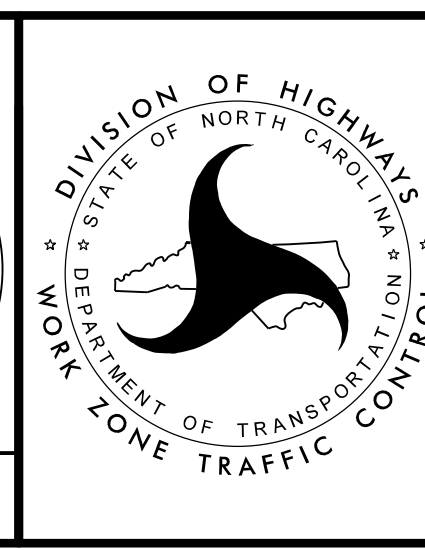
BREAKLINE SEE TMP-3

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APPROVED: *Michael T. Repka*
DATE: 10/19/2018

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LEFT HALF
WORK AREA DETAIL