

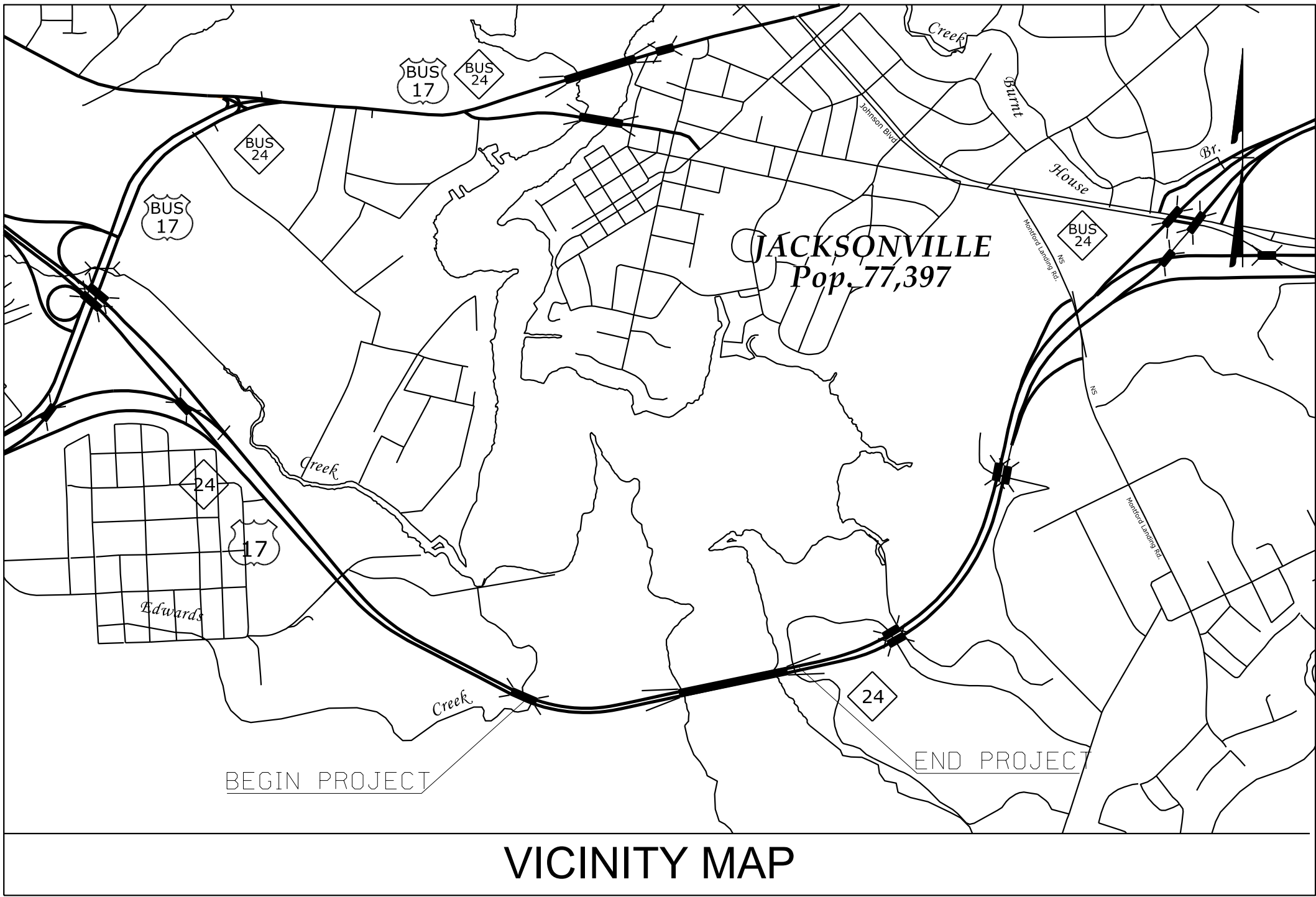
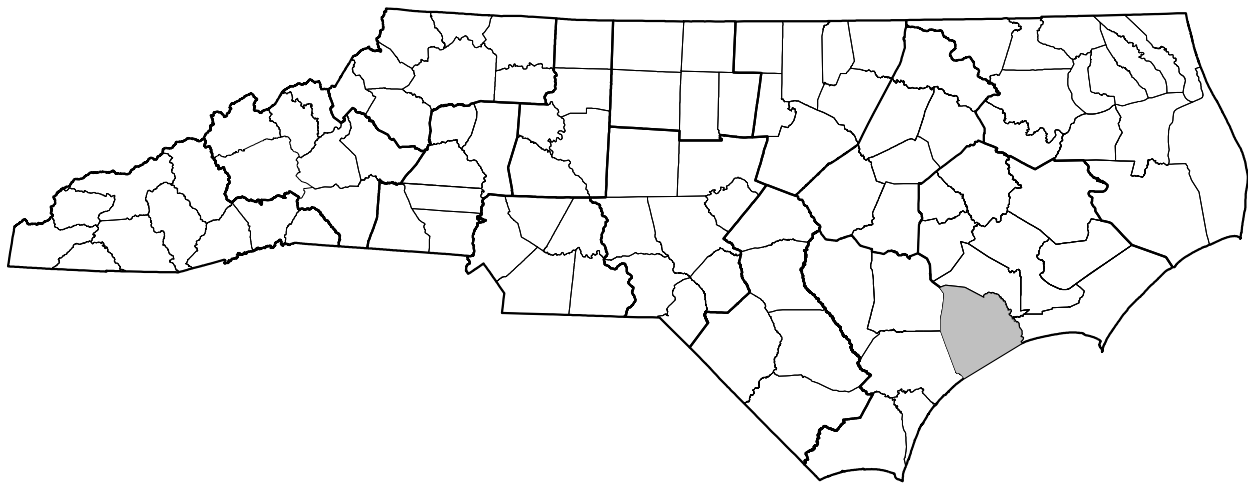
STATE OF NORTH CAROLINA

DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

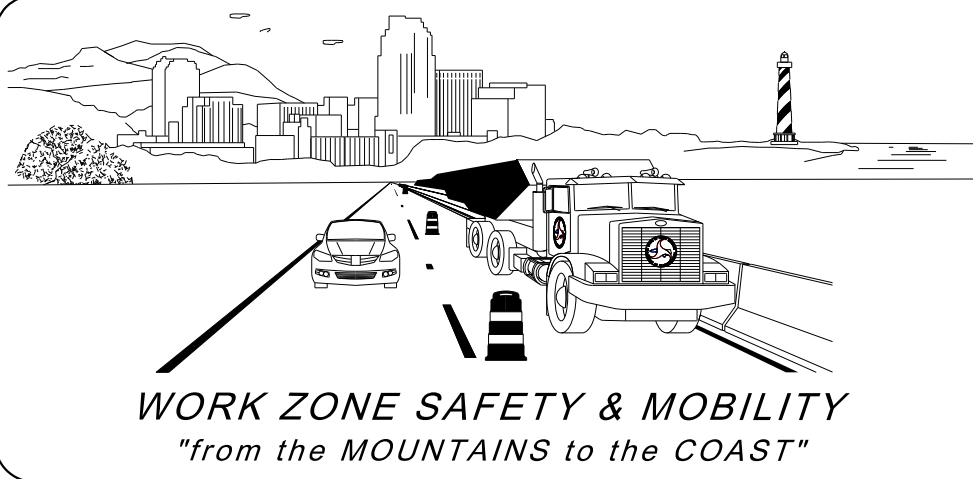
ONSLOW COUNTY

DIVISION 3



VICINITY MAP

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-2	GENERAL NOTES
TMP-3	PHASING
TMP-4 - 6	STEP 02
TMP-7 - 9	STEP 03



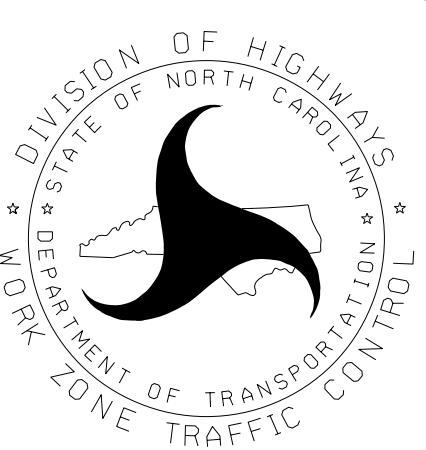
PLANS PREPARED BY:

JAY W. WOOLARD, PE
SENIOR TRANSPORTATION ENGINEER

ANDREW N. GOOD
TRANSPORTATION DESIGNER

NCDOT CONTACTS:

TREY CARROLL, PE



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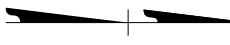
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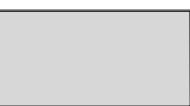
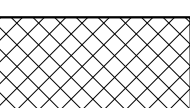
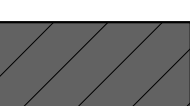
ROADWAY STANDARD DRAWINGS

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

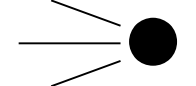
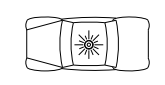
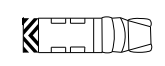
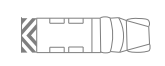
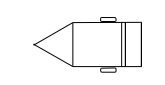
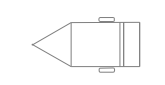
STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS

GENERAL

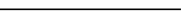
-  DIRECTION OF TRAFFIC FLOW
-  EXIST. PVMT.
-  PROPOSED PVMT.
-  NORTH ARROW
-  TEMP. SHORING (LOCATION PURPOSES ONLY)

-  WORK AREA
-  PREVIOUSLY STARTED / CONCURRENT CONSTRUCTION
-  PAVEMENT REMOVAL
-  TEMPORARY PAVEMENT

TRAFFIC CONTROL DEVICES

- | TEMPORARY DEVICES | PREVIOUSLY PLACED | |
|---|---|--------------------------------|
|  |  | BARRICADE (TYPE III) |
|  |  | CONE |
|  |  | DRUM |
|  |  | FLASHING ARROW BOARD |
|  | | FLAGGER |
|  | | LAW ENFORCEMENT |
|  |  | TRUCK MOUNTED ATTENUATOR (TMA) |
|  |  | CHANGEABLE MESSAGE SIGN |
|  |  | TEMPORARY CRASH CUSHION |
|  |  | PORTABLE CONCRETE BARRIER |

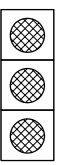
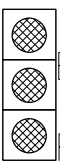
PAVEMENT MARKINGS

-  EXISTING LINES
- | TEMPORARY MARKINGS | PREVIOUSLY PLACED | |
|---|---|---------------------|
|  |  | WHITE EDGE LINE |
|  |  | YELLOW EDGE LINE |
|  |  | BROKEN LANE LINES |
|  |  | MINISKIP LANE LINES |
|  |  | DOUBLE YELLOW LINES |
|  |  | GORELINE |
|  |  | STOP BAR |

PAVEMENT MARKING SYMBOLS

-  EXISTING PAVEMENT MARKING SYMBOLS (HOLLOW)
- | TEMPORARY SYMBOLS | PREVIOUSLY PLACED | |
|---|---|--|
|  |  | PAVEMENT MARKING SYMBOLS |
|  |  | PAVEMENT MARKING ALPHANUMERIC CHARACTERS |

SIGNALS

- | EXISTING | PROPOSED | TEMPORARY |
|---|---|---|
|  |  |  |

TEMPORARY SIGNING

- | TEMPORARY SIGNS | PREVIOUSLY PLACED | |
|---|---|-----------------------------|
|  |  | PORTABLE SIGN |
|  |  | STATIONARY SIGN |
|  |  | STATIONARY OR PORTABLE SIGN |

PAVEMENT MARKERS

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

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRE

OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

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

TIME RESTRICTIONS

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

ROAD NAME DAY AND TIME RESTRICTIONS

US 17 6:00 A.M.- 8:00 P.M. MONDAY THRU SUNDAY

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

ROAD NAME
US 17

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 A.M. DECEMBER 31ST TO 8:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 8:00 P.M. THE FOLLOWING TUESDAY.
- 3) FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 8:00 P.M. MONDAY.
- 4) FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 8:00 P.M. TUESDAY.
- 5) FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 8:00 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 8:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- 6) FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 8:00 P.M. TUESDAY.
- 7) FOR VETERANS DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE VETERANS DAY TO 8:00 P.M. THE DAY AFTER VETERANS DAY, IF VETERANS DAY IS ON A TUESDAY, WEDNESDAY, OR THURSDAY.

-OR-

FOR VETERANS DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE VETERANS DAY TO 8:00 P.M. THE DAY AFTER VETERANS DAY, IF VETERANS DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY

- 8) FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 8:00 P.M. MONDAY.
- 9) FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

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 A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRANSPORTATION MANAGEMENT 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.

PAVEMENT EDGE DROP OFF REQUIREMENTS

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

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

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

- F) 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 ONCE EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- H) 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.
- I) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- J) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

- K) 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.

PAVEMENT MARKINGS AND MARKERS

- L) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- M) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- N) INSTALL SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.
- O) INSTALL SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- P) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.
- Q) COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

MISCELLANEOUS

- R) ALL DIMENSIONS AND STATIONS IN THE TRANSPORTATION MANAGEMENT PLAN AND PHASING ARE APPROXIMATE (+/-); FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
- S) MAINTAIN ALL EXISTING SIGNING ON PROJECT (WARNING, REGULATORY AND GUIDE SIGNS). WHERE CONSTRUCTION AFFECTS THE LOCATION OF A SIGN, RELOCATE AS NECESSARY, OR INSTALL REPLACEMENT SUCH THAT THE FUNCTION OF THE SIGN IS MAINTAINED AT ALL TIMES. DURING RELOCATION OF STOP SIGNS PROVIDE FLAGGERS WITH "FLAGGER AHEAD" (W20-7a) AND "BE PREPARED TO STOP" (W3-4) SIGNS AS NECESSARY TO MAINTAIN INTERSECTION TRAFFIC.



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Signed by:
J.W. Woodard, Jr.
88002F49E950



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

TRAFFIC MANAGEMENT STRATEGIES

PRIOR TO ANY WORK OPERATIONS, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON US-17, PER ROADWAY STANDARD DRAWING 1101.01, SHEET 3.

A. CONTROL STRATEGIES:

- CONSTRUCTION PHASING / STAGING,
- LANE CLOSURE TO PROVIDE WORKER SAFETY,
- WORK HOUR RESTRICTIONS FOR PEAK TRAVEL.

B. TRAFFIC CONTROL DEVICES:

- TEMPORARY WARNING SIGNS,
- CHANGEABLE MESSAGE SIGNS (CMS) ,
- ARROW BOARDS.

PHASING

PRIOR TO ANY WORK OPERATIONS, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON US-17, PER ROADWAY STANDARD DRAWING 1101.01, SHEET 3.

STEP 1:

USING LANE CLOSURES AND ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 4 AND 8 AS NEEDED, PERFORM THE FOLLOWING:

- PREPARE BRIDGE DECK WITH SHOTBLASTING METHODS,
- CONCRETE DECK REPAIRS,
- CLEAN AND EPOXY EXISTING PRESTRESSED CONCRETE GIRDER ENDS,
- REMOVE DEBRIS FROM TOP OF EXISTING END BENT AND BENT CAPS AND APPLY EPOXY COATING.

NOTE: STEPS 2 AND 3 CAN BE PERFORMED CONCURRENTLY OR IN EITHER ORDER.

STEP 2: (TMP-4 TO 6)

USING A DOUBLE LANE CLOSURE AND ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 8 PERFORM THE FOLLOWING:

- CLOSE THE MIDDLE AND OUTSIDE LANE,
- APPLY SILANE DECK TREATMENT,
- PLACE FINAL PAVEMENT MARKINGS AND MARKERS (SEE FINAL PMP) ,
- OPEN TO ALL LANES OF TRAFFIC AT THE END OF THE WORK PERIOD,
- REPEAT STEP 2 AS MUCH AS NEEDED TO COMPLETE THE WORK.

STEP 3: (TMP-7 TO 9)

USING A DOUBLE LANE CLOSURE AND ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 8 PERFORM THE FOLLOWING:

- CLOSE THE MEDIAN AND MIDDLE LANE,
- APPLY SILANE DECK TREATMENT,
- PLACE FINAL PAVEMENT MARKINGS AND MARKERS (SEE FINAL PMP) ,
- OPEN TO ALL LANES OF TRAFFIC AT THE END OF THE WORK PERIOD,
- REPEAT STEP 2 AS MUCH AS NEEDED TO COMPLETE THE WORK.

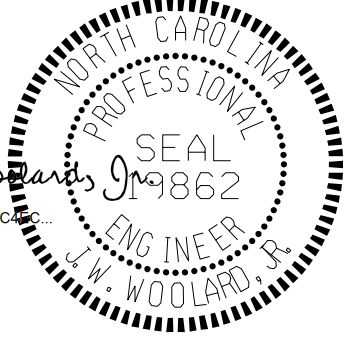
STEP 4:

REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN TRAFFIC TO THE FINAL TRAFFIC PATTERN.



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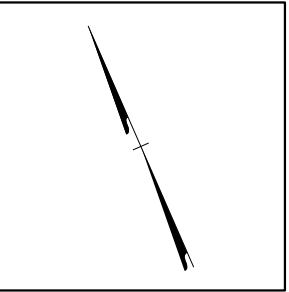
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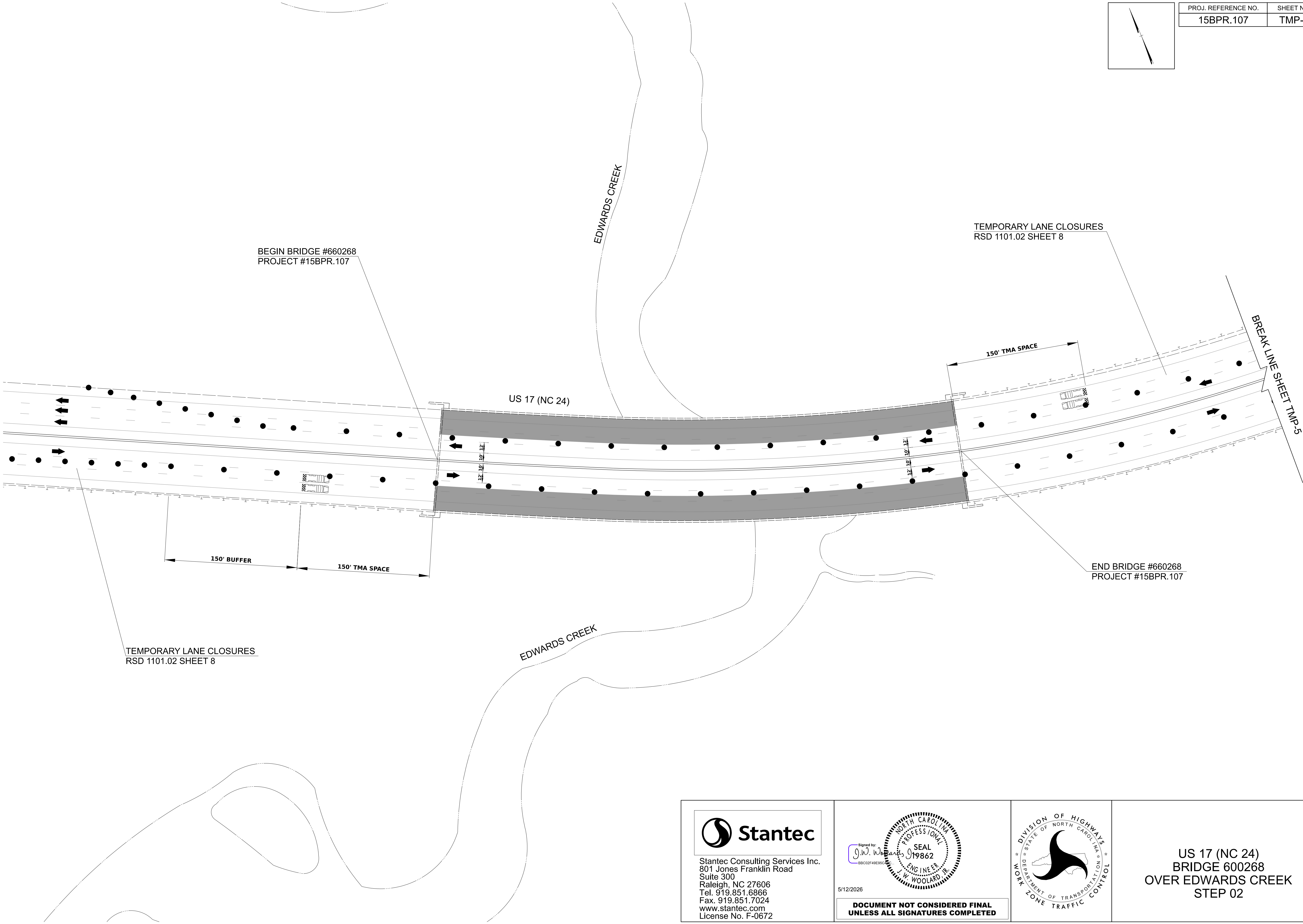
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PROJ. REFERENCE NO.	SHEET NO.
15BPR.107	TMP-4

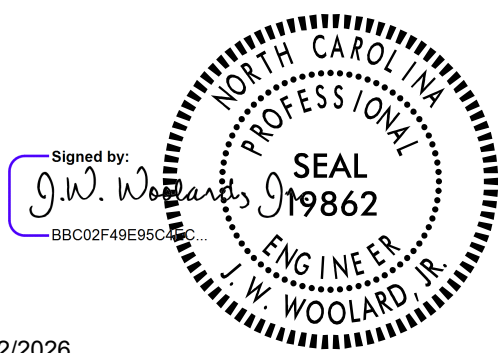


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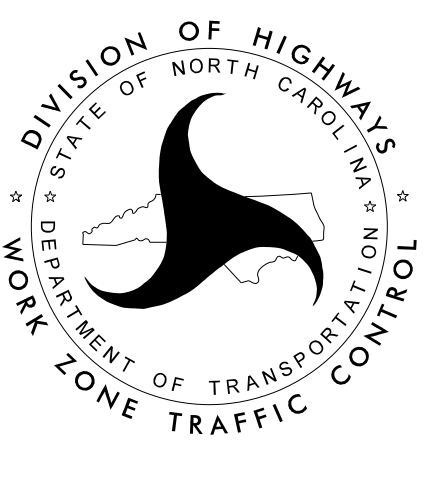
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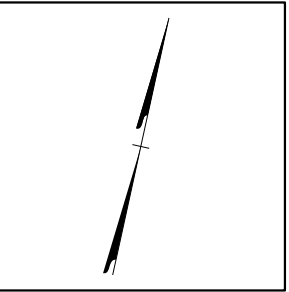


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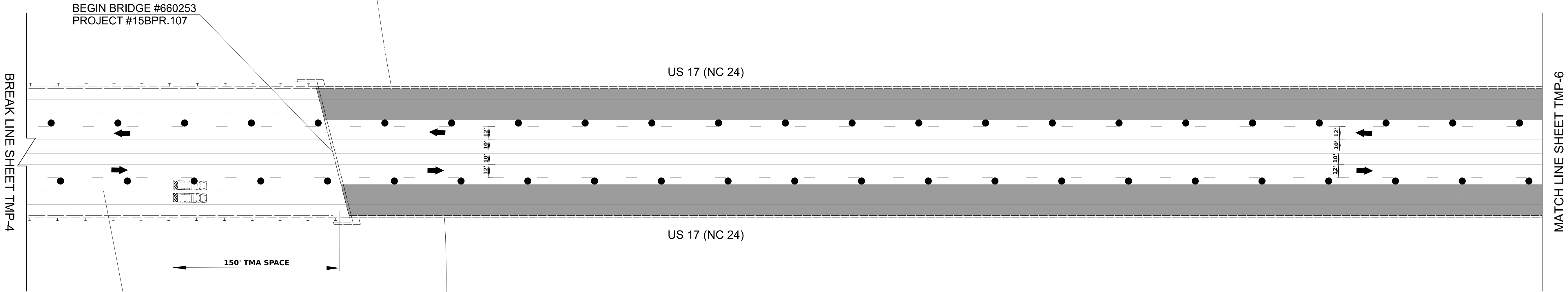
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US 17 (NC 24)
BRIDGE 600268
OVER EDWARDS CREEK
STEP 02

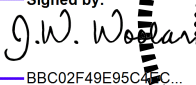


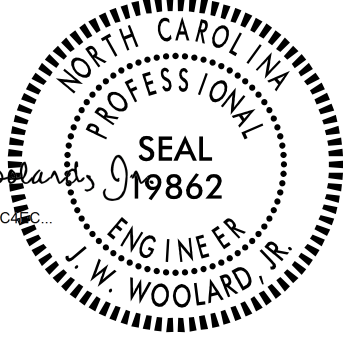
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15BPR.107	TMP-5



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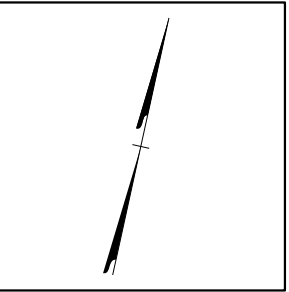


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US 17 (NC 24)
BRIDGE 600253
OVER NEW RIVER
STEP 02



PROJ. REFERENCE NO.	SHEET NO.
15BPR.107	TMP-6

MATCH LINE SHEET TMP-5

NEW RIVER

US 17 (NC 24)

TEMPORARY LANE CLOSURES
RSD 1101.02 SHEET 8

150' TMP SPACE

150' BUFFER

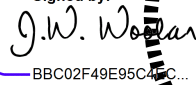
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PROJECT #15BPR.107

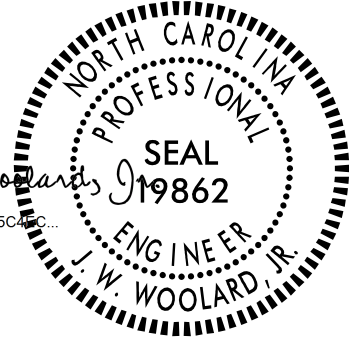
NEW RIVER

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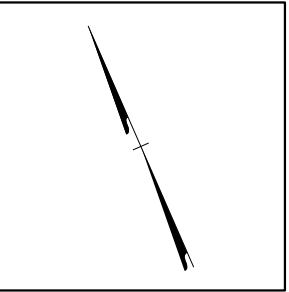


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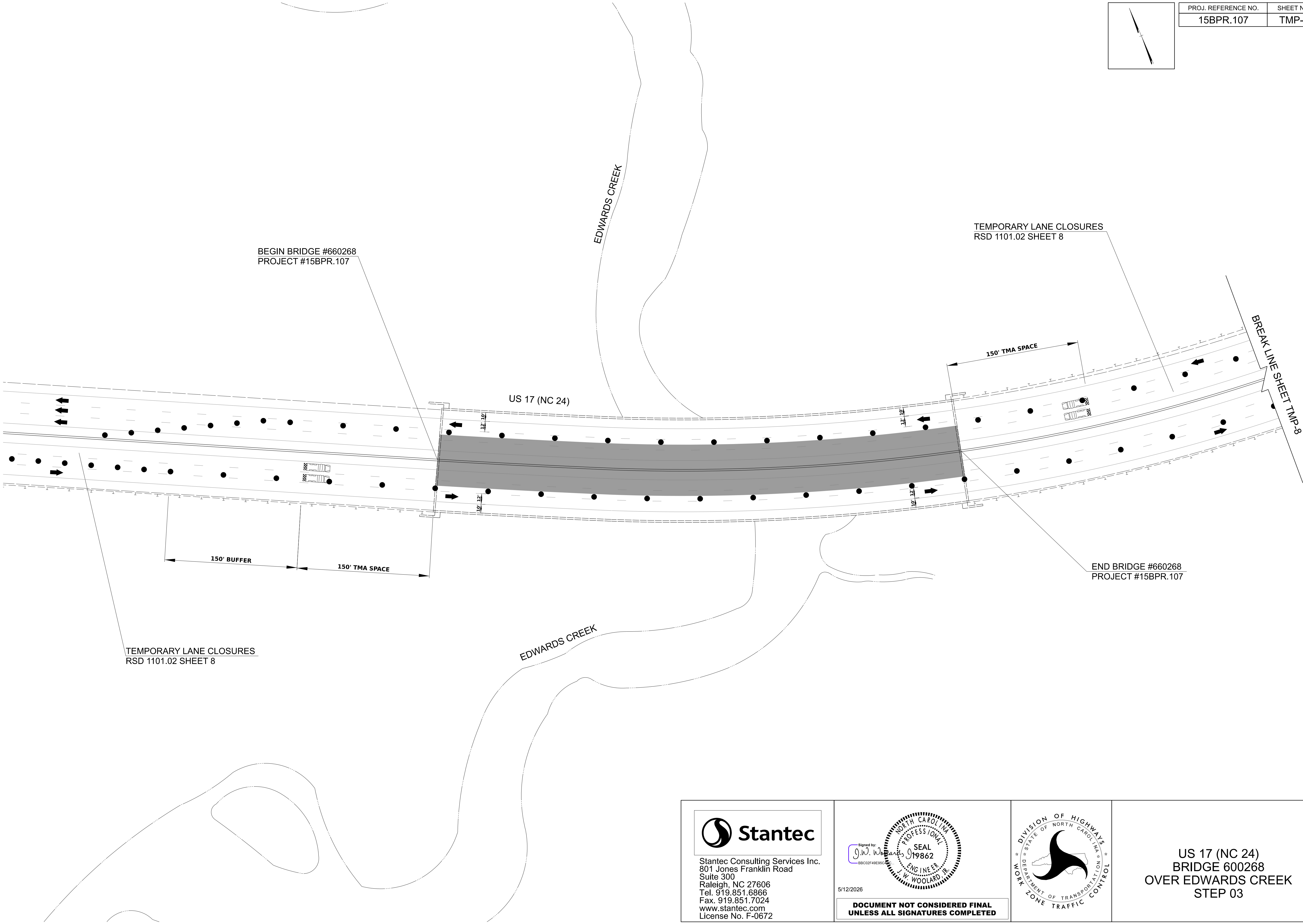
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US 17 (NC 24)
BRIDGE 600253
OVER NEW RIVER
STEP 02



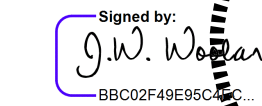
PROJ. REFERENCE NO.	SHEET NO.
15BPR.107	TMP-7

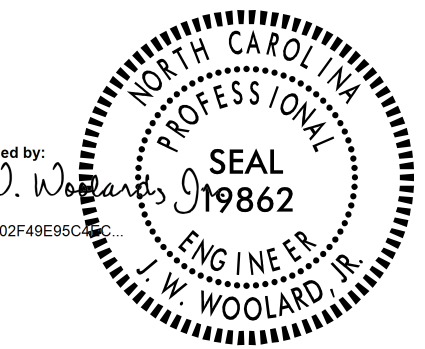


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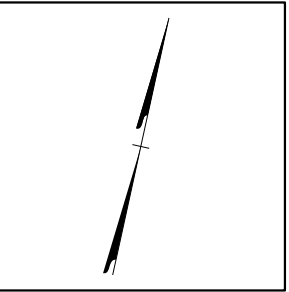


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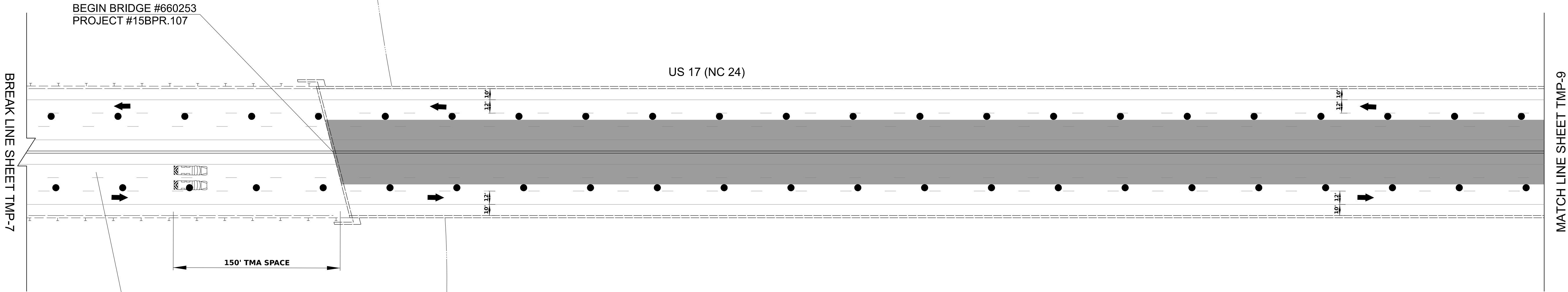
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US 17 (NC 24)
BRIDGE 600268
OVER EDWARDS CREEK
STEP 03



PROJ. REFERENCE NO.	SHEET NO.
15BPR.107	TMP-8

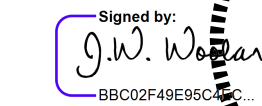


TEMPORARY LANE CLOSURES
RSD 1101.02 SHEET 8

4/21/2026
Us\\Work Zone Traffic Control\\Plan Sheets\\15BPR\\07_TMP_08_STEP_03.dgn
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Signed by:

68002F49E959

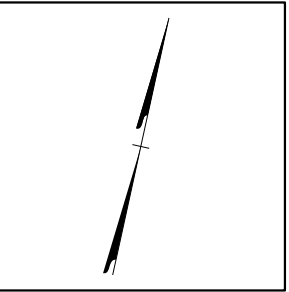


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US 17 (NC 24)
BRIDGE 600253
OVER NEW RIVER
STEP 03



PROJ. REFERENCE NO.	SHEET NO.
15BPR.107	TMP-9

MATCH LINE SHEET TMP-8

NEW RIVER

US 17 (NC 24)

TEMPORARY LANE CLOSURES
RSD 1101.02 SHEET 8

150' TMP SPACE

150' BUFFER

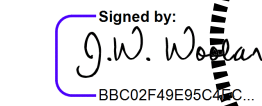
END BRIDGE #660253
PROJECT #15BPR.107

NEW RIVER

4/21/2026
Us\\Work Zone Traffic Control\\Plan Sheets\\15BPR\\07_TMP_09_STEP-03.dgn
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US 17 (NC 24)
BRIDGE 600253
OVER NEW RIVER
STEP 03