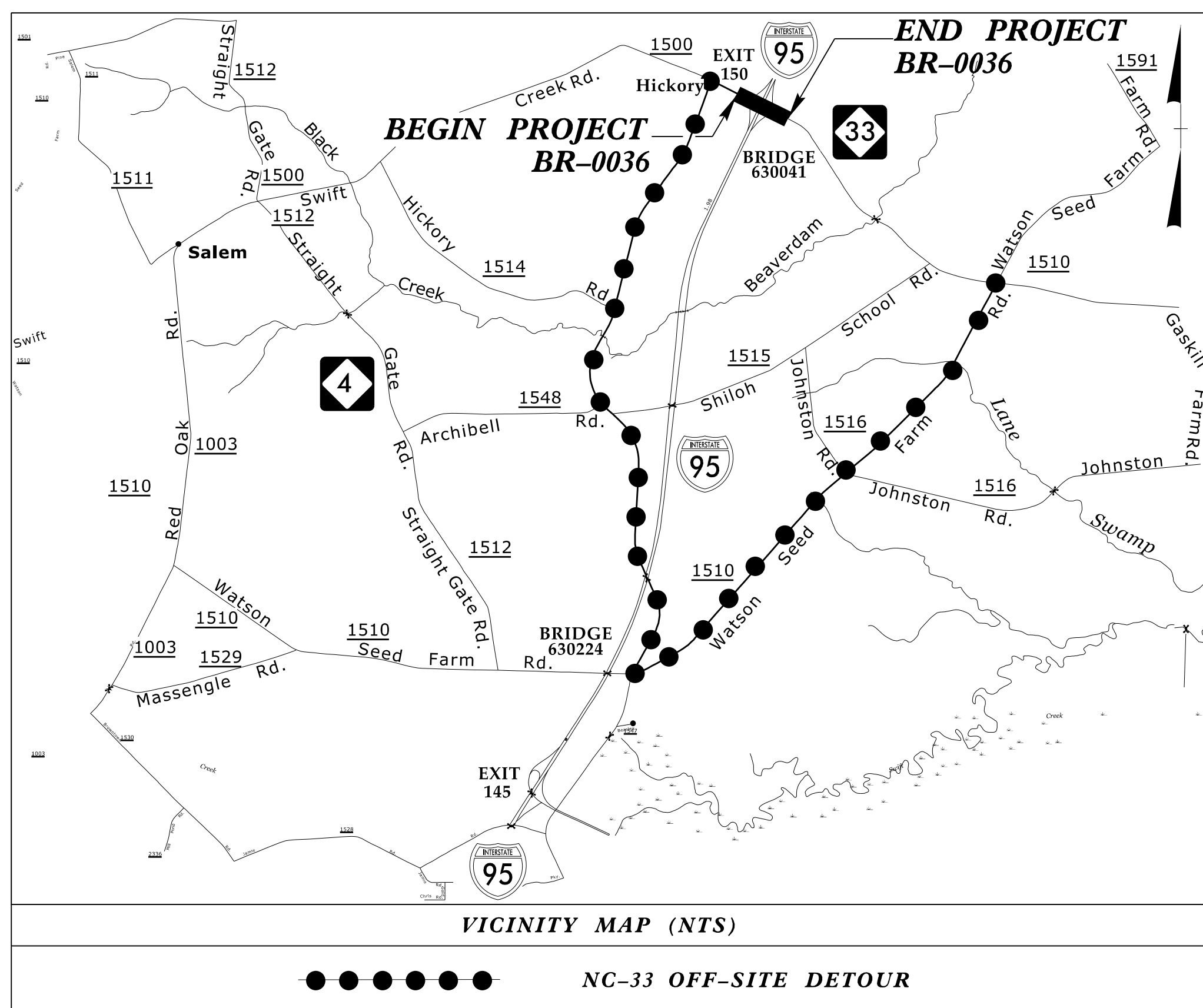
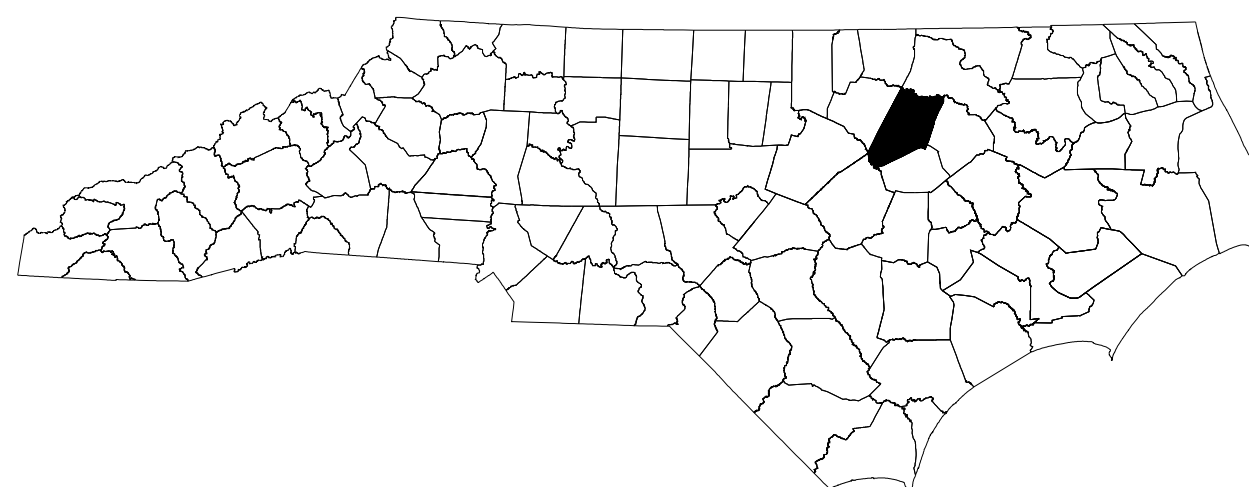


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

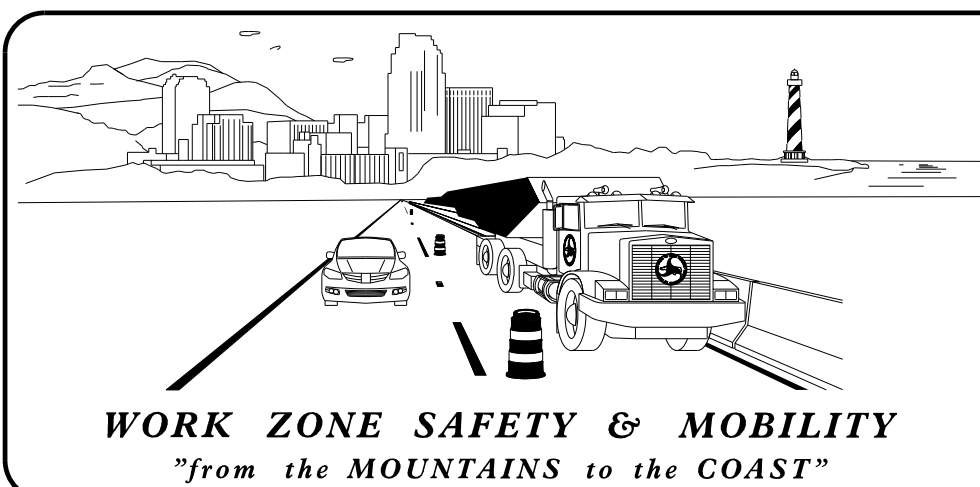
**NASH COUNTY
DIVISION 4**



INDEX OF SHEETS	
SHEET NO.	TITLE
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TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-1B THRU TMP-1C	GENERAL NOTES
TMP-2 THRU TMP-2A	TEMPORARY TRAFFIC CONTROL PHASING
TMP-3 THRU TMP-3A	OFF-SITE DETOUR SIGNING AND DETAIL
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SHEET NO.
TMP-1

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PLANS PREPARED BY:

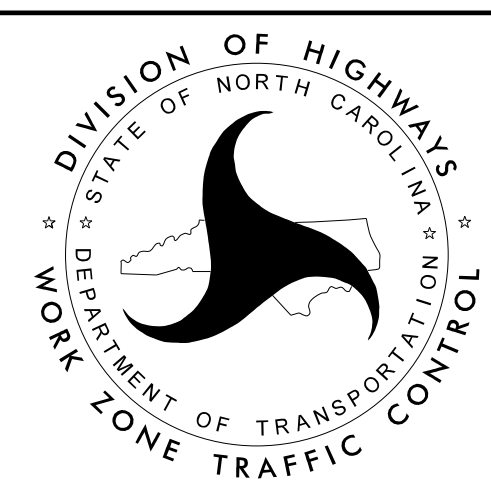
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APPROVED: Lloyd D. Brown
DATE: 4/16/2020

SEAL

PROJECT: BR-0036

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - 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:

STD. NO.	TITLE
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMP
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.12	PAVEMENT MARKINGS - BRIDGES
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

LEGEND

GENERAL

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

- WORK AREA
- REMOVAL

SIGNALS

- EXISTING
- PROPOSED
- TEMP

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

TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PAVEMENT MARKING LINES			
4" PAINT			
P1	WHITE EDGELINE	P71	RIGHT TURN ARROW
P4	3 FT. - 9 FT./SP WHITE MINISKIP	P72	STRAIGHT ARROW
P5	2 FT. - 6 FT./SP WHITE MINISKIP	P80	WRONG-WAY RAMP ARROW
P10	YELLOW EDGELINE		
P13	YELLOW DOUBLE CENTER		
4" COLD APPLIED PLASTIC (TYPE IV)			
C1	WHITE EDGELINE		
C13	YELLOW DOUBLE CENTER		

PAVEMENT MARKING SYMBOLS

- P71
- P72
- P80

NOTE: FOR EACH PAINT PAVEMENT MARKING ITEM, REFER TO GENERAL NOTES FOR NUMBER OF APPLICATIONS.

APPROVED: DATE: 4/21/2021 SEAL			ROADWAY STANDARD DRAWINGS & LEGEND
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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 UNDESIRABLE 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-95 AND RAMPS	MON-THURS 7:00 AM TO 8:00 PM
I-95 AND RAMPS	FRI-SUN 7:00 AM TO 10:00 PM

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

ROAD NAME
I-95 AND RAMPS

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31st TO 10:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 10:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 10:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 10:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 10:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 7:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 10:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY AND 10:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 A.M. TUESDAY TO 10:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 10:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
I-95 AND RAMPS	MON-THURS 5:00 AM TO 11:00 PM
I-95 AND RAMPS	FRI-SUN 5:00 AM TO 11:59 PM

D) DO NOT CONDUCT SINGLE VEHICLE HAULING AS FOLLOWS; INGRESS AND EGRESS FROM RAMPS WILL NOT BE ALLOWED:

ROAD NAME	DAY AND TIME RESTRICTIONS
I-95 AND RAMPS	MON-THURS 7:00 AM TO 8:00 PM
I-95 AND RAMPS	FRI-SUN 7:00 AM TO 10:00 PM

E) DO NOT CONDUCT MULTI-VEHICLE HAULING AS FOLLOWS; INGRESS AND EGRESS FROM RAMPS WILL NOT BE ALLOWED:

ROAD NAME	DAY AND TIME RESTRICTIONS
I-95 AND RAMPS	MON-THURS 7:00 AM TO 8:00 PM
I-95 AND RAMPS	FRI-SUN 7:00 AM TO 10:00 PM

F) 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.

PAVEMENT EDGE DROP OFF REQUIREMENTS

L) BACKFILL AT A 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 COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

M) 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) 350 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- 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.
- PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

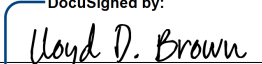
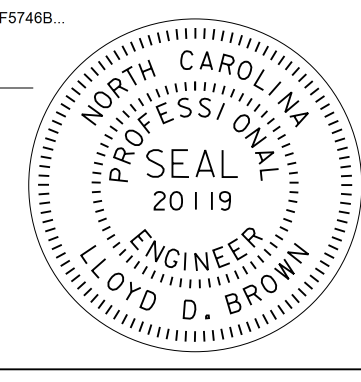

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 350 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER

- 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.

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GENERAL NOTES

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.

- U) 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

TRAFFIC CONTROL DEVICES

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

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

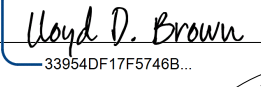
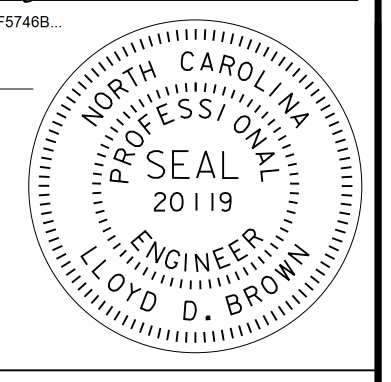

ROAD NAME	MARKING	MARKER
ALL ROADS (ASPHALT)	PAINT	TEMPORARY RAISED
(CONCRETE)	COLD APPLIED PLASTIC (TYPE IV)	TEMPORARY RAISED

- Z) 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.
- AA) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- BB) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- CC) TRACE THE EXISTING AND PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION.

MISCELLANEOUS

- DD) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- EE) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 200 FT AND 400 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

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PHASING

PROJ. REFERENCE NO.	SHEET NO.
BR-0036	TMP-2

NOTE:
 BEGIN BR-0036 WORK AFTER LABOR DAY 2020. BRIDGE 630041 SHALL BE REPLACED AND OPEN TO TRAFFIC PRIOR TO RAMP D CONSTRUCTION ON TIP PROJECT B-5980 AS THE BRIDGE WILL BE USED AS AN OFF-SITE DETOUR FOR B-5980 DURING RAMP D CLOSURE.

PHASE I

- STEP 1) PRIOR TO ANY CONSTRUCTION ACTIVITY, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON ALL ROADS INVOLVED (I-95 & NC-33) USING ROADWAY STANDARD DRAWINGS (RSD) 1101.01.
- STEP 2) INSTALL AND COVER SIGNS FOR ALL OFF-SITE DETOURS. SEE SHEETS TMP-3 AND TMP-3A.
- STEP 3) USING RSD 1101.02 (SHEET 4 OF 14), RSD 1101.04, AND SHEET TMP-4, DIRECT I-95 TRAFFIC TO THE INSIDE LANE (ONE LANE IN EACH DIRECTION OF I-95), AND INSTALL TEMPORARY CONCRETE BARRIER TO CLOSE THE OUTSIDE SHOULDER (IN BOTH DIRECTIONS).
- STEP 4) PLACE CMS DEVICES FIFTEEN (15) DAYS PRIOR TO NC-33 ROAD CLOSURE.

INTERMEDIATE CONTRACT TIME
 COMPLETE THE WORK REQUIRED OF PHASE I, STEP 5 THRU PHASE IV, STEP 1 IN 240 CONSECUTIVE DAYS. SEE INTERMEIDATE CONTRACT TIME AND LIQUIDATED DAMAGES.

- STEP 5) UNCOVER SIGNS PLACED IN STEP 2, PLACE BARRICADES TYPE III, CLOSE THE EXISTING BRIDGE NO. 630041, AND DETOUR NC-33 TRAFFIC OFF-SITE USING RSD 1101.03 (SHEETS 1 & 2 OF 9), AND SHEETS TMP-3 AND TMP-3A.
- STEP 6) USING RSD 1101.03 (SHEET 7 OF 9) DIRECT I-95 NORTHBOUND TRAFFIC ONTO RAMPS -RPC- AND -RPD- DURING ALLOWABLE CLOSURE HOURS AND RSD 1101.01 (SHEET 3 OF 14) TO CLOSE THE INSIDE LANE OF I-95 (SOUTHBOUND).

EXISTING BRIDGE NO. 630041 DECK & GIRDER REMOVAL OVER NORTHBOUND I-95

WORKING ON CONSECUTIVE NIGHTS DURING ALLOWABLE CLOSURE HOURS, REMOVE DECK AND GIRDERS OVER NORTHBOUND I-95 AND OPEN NORTHBOUND LANES OF I-95 TO TRAFFIC AT THE END OF EACH NIGHT.

- STEP 7) USING RSD 1101.03 (SHEET 7 OF 9) DIRECT I-95 SOUTHBOUND TRAFFIC ONTO RAMPS -RPA- AND -RPB- DURING ALLOWABLE CLOSURE HOURS.

EXISTING BRIDGE NO. 630041 DECK & GIRDER REMOVAL OVER SOUTHBOUND I-95

WORKING ON CONSECUTIVE NIGHTS DURING ALLOWABLE CLOSURE HOURS, REMOVE DECK AND GIRDERS OVER SOUTHBOUND I-95 AND OPEN SOUTHBOUND LANES OF I-95 TO TRAFFIC AT THE END OF EACH NIGHT.

- STEP 8) WORKING AWAY FROM TRAFFIC, AND BEHIND TEMPORARY CONCRETE BARRIER, PLACED IN PHASE I, STEP 3, REMOVE EXISTING SUBSTRUCTURES AS SHOWN ON SHEET TMP-4 AND STRUCTURAL PLANS.

INTERMEDIATE CONTRACT TIME
 COMPLETE THE WORK REQUIRED OF PHASE I, STEP 9 IN 14 CONSECUTIVE DAYS. SEE INTERMEIDATE CONTRACT TIME AND LIQUIDATED DAMAGES.

- STEP 9) UNCOVER DETOUR SIGNS FOR I-95 SOUTHBOUND TRAFFIC AND WORKING ON CONSECUTIVE DAYS, USING RSD 1101.03 (SHEETS 1 & 2 OF 9), AND SHEETS TMP-3 THRU TMP-4, CONSTRUCT RAMPS -RPA- (SB I-95 OFF-RAMP) AND -RPB- (SB I-95 ON-RAMP), AND -L- FROM STA. 12+70 +/- TO STA. 17+94 +/- (BEGIN BRIDGE) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.
- STEP 10) USING RSD 1101.02 (SHEET 4 OF 14), RSD 1101.04, AND SHEET TMP-4, DIRECT I-95 TRAFFIC TO THE INSIDE LANE (ONE LANE IN EACH DIRECTION OF I-95), AND REMOVE TEMPORARY CONCRETE BARRIER PLACED IN PHASE I, STEP 3.
- STEP 11) WORKING AWAY FROM TRAFFIC, REPLACE DAMAGED EXISTING PAVEMENT MARKINGS, AS NECESSARY, AND PLACE TEMPORARY PAVEMENT MARKINGS PER RSD 1205.01, 1205.02, 1205.03, 1205.04, 1205.08, AND SHEET TMP-5 (PHASE II).
- STEP 12) REMOVE I-95 SOUTHBOUND TRAFFIC DETOUR SIGNS, AND OPEN RAMPS -RPA- (SB I-95 OFF-RAMP) AND -RPB- (SB I-95 ON-RAMP) TO TRAFFIC.

PHASE II

- STEP 1) USING RSD 1101.02 (SHEET 4 OF 14), RSD 1101.04, AND SHEET TMP-5, DIRECT I-95 TRAFFIC TO THE OUTSIDE LANE (ONE LANE IN EACH DIRECTION OF I-95), AND INSTALL TEMPORARY CONCRETE BARRIER TO CLOSE THE INSIDE SHOULDER (ON BOTH DIRECTIONS).
- STEP 2) WORKING AWAY FROM TRAFFIC, AND BEHIND TEMPORARY CONCRETE BARRIER, PLACED IN PHASE II, STEP 1, REMOVE EXISTING MEDIAN SUBSTRUCTURE, CONSTRUCT MEDIAN PROPOSED SUBSTRUCTURE AND INSTALL PROPOSED GUARDRAIL AS SHOWN ON TMP-5, ROADWAY AND STRUCTURAL PLANS.

INTERMEDIATE CONTRACT TIME
 COMPLETE THE WORK REQUIRED OF PHASE II, STEP 3 IN 21 CONSECUTIVE DAYS. SEE INTERMEIDATE CONTRACT TIME AND LIQUIDATED DAMAGES.

- STEP 3) UNCOVER DETOUR SIGNS FOR I-95 NORTHBOUND TRAFFIC AND WORKING ON CONSECUTIVE DAYS, USING RSD 1101.03 (SHEETS 1 & 2 OF 9), AND SHEETS TMP-3, TMP-3A, AND TMP-5 CONSTRUCT RAMPS -RPC- (NB I-95 OFF-RAMP) AND -RPD- (NB I-95 ON-RAMP), AND -L- FROM STA. 20+20 +/- (END BRIDGE) TO STA 24+90 +/- UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.
- STEP 4) USING RSD 1101.02 (SHEET 4 OF 14), RSD 1101.04, AND SHEET TMP-5, DIRECT I-95 TRAFFIC TO THE OUTSIDE LANE (ONE LANE IN EACH DIRECTION OF I-95), AND REMOVE TEMPORARY CONCRETE BARRIER PLACED IN PHASE II, STEP 1.
- STEP 5) WORKING AWAY FROM TRAFFIC, REPLACE DAMAGED EXISTING PAVEMENT MARKINGS, AS NECESSARY, AND PLACE TEMPORARY PAVEMENT MARKINGS PER RSD 1205.01, 1205.02, 1205.03, 1205.04, 1205.08, AND SHEET TMP-6 (PHASE III).
- STEP 6) REMOVE I-95 NORTHBOUND TRAFFIC DETOUR SIGNS, AND OPEN RAMPS -RPC- (NB I-95 OFF-RAMP) AND -RPD- (NB I-95 ON-RAMP) TO TRAFFIC.

PHASE III

- STEP 1) USING RSD 1101.03 (SHEET 7 OF 9) DIRECT I-95 NORTHBOUND TRAFFIC ONTO RAMPS -RPC- AND -RPD- DURING ALLOWABLE CLOSURE HOURS AND RSD 1101.01 (SHEET 3 OF 14) TO CLOSE THE INSIDE LANE OF I-95 (SOUTHBOUND).

PROPOSED BRIDGE NO. 630041 DECK & GIRDER INSTALLATION OVER NORTHBOUND I-95

WORKING ON CONSECUTIVE NIGHTS DURING ALLOWABLE CLOSURE HOURS, INSTALL DECK AND GIRDERS OVER NORTHBOUND I-95 AND OPEN NORTHBOUND LANES OF I-95 TO TRAFFIC AT THE END OF EACH NIGHT.

- STEP 2) USING RSD 1101.03 (SHEET 7 OF 9) DIRECT I-95 SOUTHBOUND TRAFFIC ONTO RAMPS -RPA- AND -RPB- DURING ALLOWABLE CLOSURE HOURS.

PROPOSED BRIDGE NO. 630041 DECK & GIRDER INSTALLATION OVER SOUTHBOUND I-95

WORKING ON CONSECUTIVE NIGHTS DURING ALLOWABLE CLOSURE HOURS, INSTALL DECK AND GIRDERS OVER SOUTHBOUND I-95 AND OPEN SOUTHBOUND LANES OF I-95 TO TRAFFIC AT THE END OF EACH NIGHT.

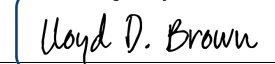
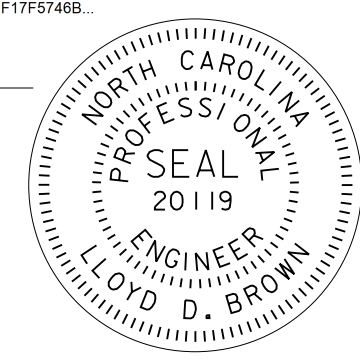

INTERMEDIATE CONTRACT TIME
 COMPLETE THE WORK REQUIRED OF PHASE III, STEP 3 IN 24 CONSECUTIVE HOURS. SEE INTERMEIDATE CONTRACT TIME AND LIQUIDATED DAMAGES.

- STEP 3) USING RSD 1101.03 (SHEET 7 OF 9), DIRECT I-95 TRAFFIC (NORTHBOUND) ONTO RAMPS, AND PLACE OUTSIDE SHOULDER ON -Y- (I-95) AS SHOWN ON ROADWAY PLANS.

INTERMEDIATE CONTRACT TIME
 COMPLETE THE WORK REQUIRED OF PHASE III, STEP 4 IN 24 CONSECUTIVE HOURS. SEE INTERMEIDATE CONTRACT TIME AND LIQUIDATED DAMAGES.

- STEP 4) USING RSD 1101.03 (SHEET 7 OF 9), DIRECT I-95 TRAFFIC (SOUTHBOUND) ONTO RAMPS, AND PLACE OUTSIDE SHOULDER ON -Y- (I-95) AS SHOWN ON ROADWAY PLANS.

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APPROVED:  DATE: 4/16/2020 SEAL 		<h2 style="margin: 0;">TEMPORARY TRAFFIC CONTROL PHASING</h2>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

PROJ. REFERENCE NO.	SHEET NO.
BR-0036	TMP-2A

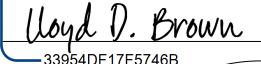

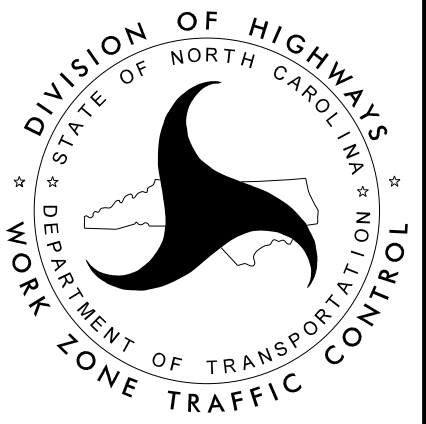
PHASING

PHASE IV

STEP 1) REMOVE ALL BARRICADES AND DETOUR SIGNS AND OPEN -L- (NC-33) AND RAMPS TO TRAFFIC.

STEP 2) USING RSD 1101.02 (SHEETS 1, 4 & 11 OF 14), AND FLAGGERS AS NECESSARY FOR TEMPORARY LANE CLOSURES, PLACE THE FINAL LAYER OF SURFACE COURSE AND USING RSD 1205.01 THRU 1205.04, 1205.08, 1205.12, 1250.01 AND RSD 1251.01, PLACE PERMANENT PAVEMENT MARKINGS (THERMOPLASTIC) AND MARKERS (SNOWPLOWABLE) IN FINAL PATTERN ACCORDING TO THE FINAL PAVEMENT MARKING PLANS FOR -L-, -Y- AND RAMPS, AND OPEN PROJECT FULLY TO TRAFFIC.

4/16/2020
Va\Asheville\sh\structures\31748-41Nash_4\BR-0036\TrafficControl\TCP\BR-0036_TMP-02.dgn
User: cjmortell

<p>APPROVED:  DATE: 4/16/2020</p> <p>SEAL</p> 		<p>TEMPORARY TRAFFIC CONTROL PHASING</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		

The diagrams illustrate various detour sign configurations for Interstate 95. Each diagram includes signs for 'DETOUR TO [direction]', 'INTERSTATE 95', '33' (route shield), and directional arrows. Dimensions for each sign are provided, such as 'M4-8 24" X 12"' for the 'DETOUR TO' sign.

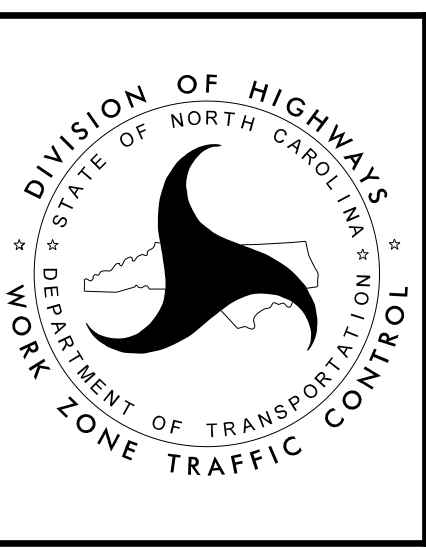
- EA:** Detour to East, right turn arrow, 33 shield, M1-5.
- EB:** Detour to East, right turn arrow, 33 shield, M1-5.
- EC:** Detour to East, up arrow, 33 shield, M1-5.
- WA:** Detour to West, left turn arrow, 33 shield, M1-5.
- WB:** Detour to West, up arrow, 33 shield, M1-5.
- NA:** Detour to North, left turn arrow, 95 shield, M1-1.
- NB:** Detour to North, up arrow, 95 shield, M1-1.
- NC:** Detour to North, right turn arrow, 95 shield, M1-1.
- ND:** Detour to North, right turn arrow, 95 shield, M1-1.
- A:** Detour to East, left turn arrow, 33 shield, M1-5.
- B:** Detour to South, up arrow, 95 shield, M1-1.
- C:** Detour to South, up arrow, 95 shield, M1-1.
- D:** Detour to East, left turn arrow, 33 shield, M1-5.
- E:** Detour to North, up arrow, 95 shield, M1-1.
- F:** Detour to North, up arrow, 95 shield, M1-1.
- G:** Detour to North, left turn arrow, 95 shield, M1-1.
- H:** Detour to North, left turn arrow, 95 shield, M1-1.
- I:** Detour to West, left turn arrow, 33 shield, M1-5.
- J:** Detour to West, left turn arrow, 33 shield, M1-5.
- K:** Detour to East, left turn arrow, 33 shield, M1-5.
- L:** Detour to East, left turn arrow, 33 shield, M1-5.
- M:** Detour to West, left turn arrow, 33 shield, M1-5.
- N:** Detour to West, left turn arrow, 33 shield, M1-5.
- O:** Detour to West, up arrow, 33 shield, M1-5.
- P:** Detour to North, right turn arrow, 95 shield, M1-1.
- Q:** Detour to West, left turn arrow, 33 shield, M1-5.

4/16/2020
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User: c:\mar-tell

APPROVED: *Lloyd D. Brown*
DATE: 4/16/2020

SEAL

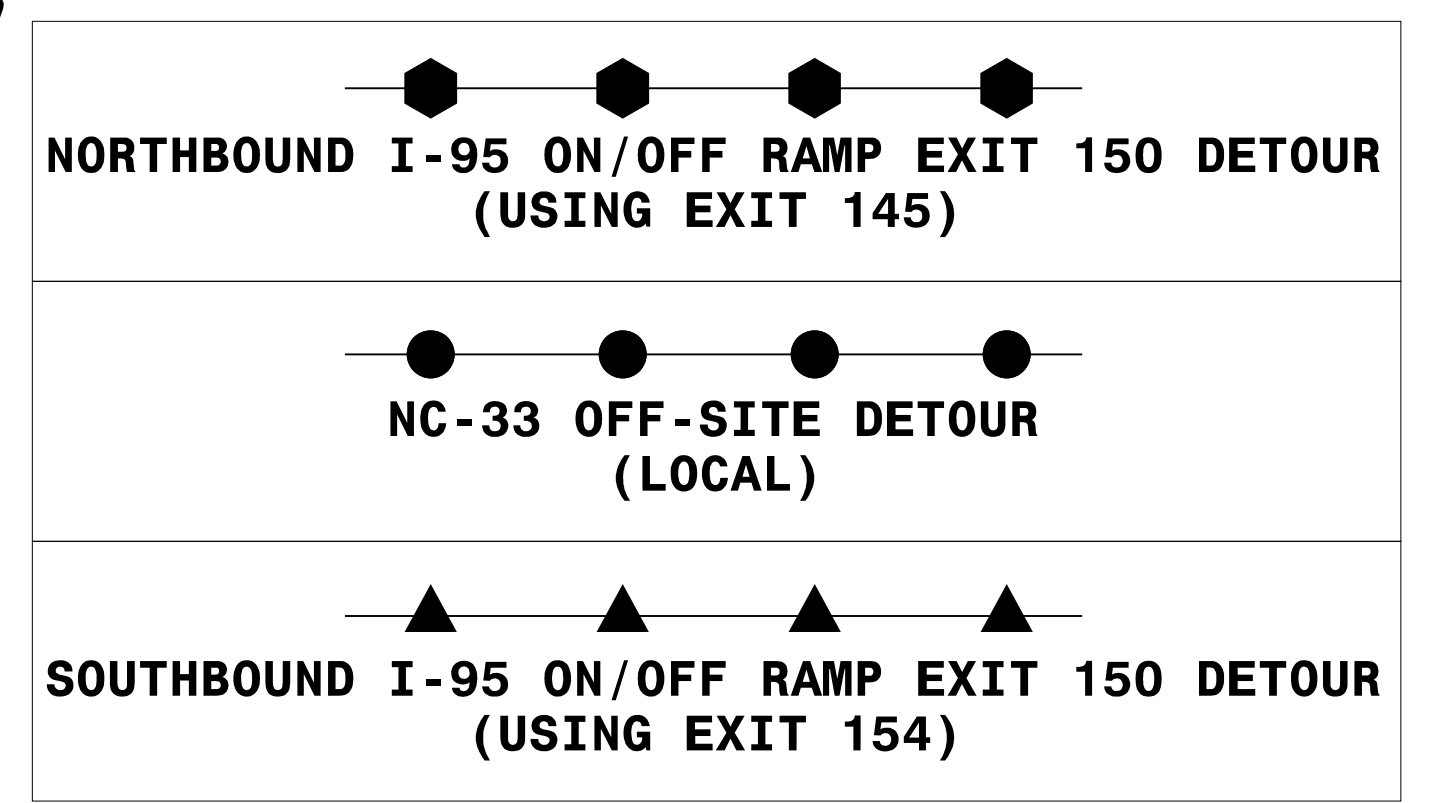
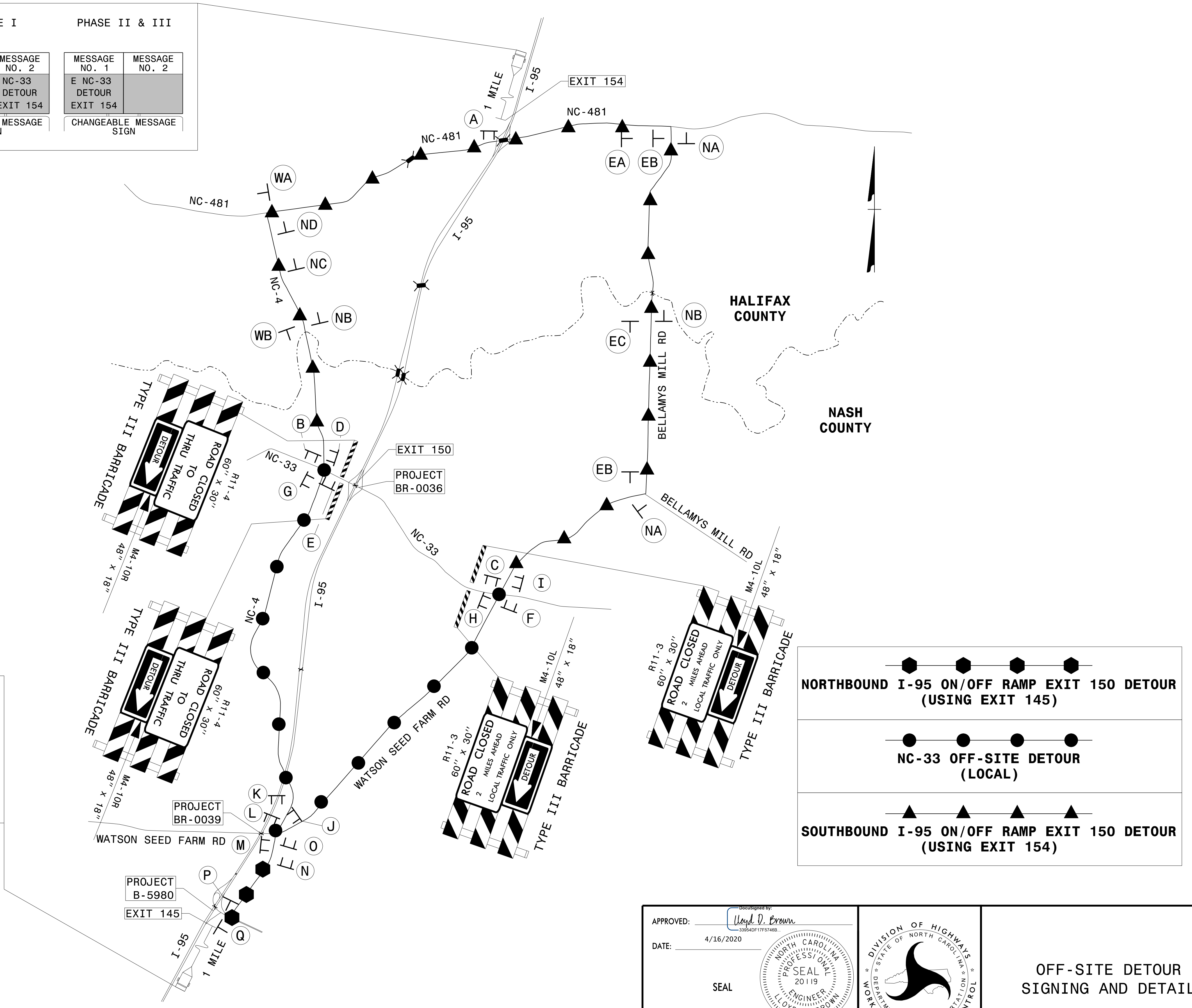
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OFF-SITE DETOUR
SIGNING AND DETAIL

PHASE I		PHASE II & III	
MESSAGE NO. 1	MESSAGE NO. 2	MESSAGE NO. 1	MESSAGE NO. 2
NC-33 EXIT 150 CLOSED	NC-33 DETOUR EXIT 154	E NC-33 DETOUR EXIT 154	
CHANGEABLE MESSAGE SIGN		CHANGEABLE MESSAGE SIGN	

PHASE I & III		PHASE II	
MESSAGE NO. 1	MESSAGE NO. 2	MESSAGE NO. 1	MESSAGE NO. 2
W NC-33 DETOUR EXIT 145		NC-33 EXIT 150 CLOSED	NC-33 DETOUR EXIT 145
CHANGEABLE MESSAGE SIGN		CHANGEABLE MESSAGE SIGN	



NOTES:
OFF-SITE DETOUR SHALL BE PERFORMED IN ACCORDANCE WITH DETAIL AND RSD 1101.03 (SHEETS 1 & 2 OF 9)

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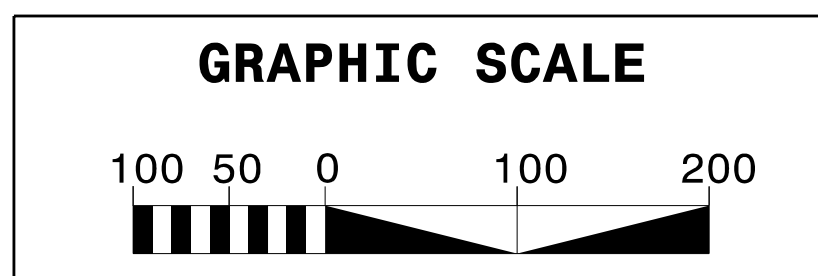
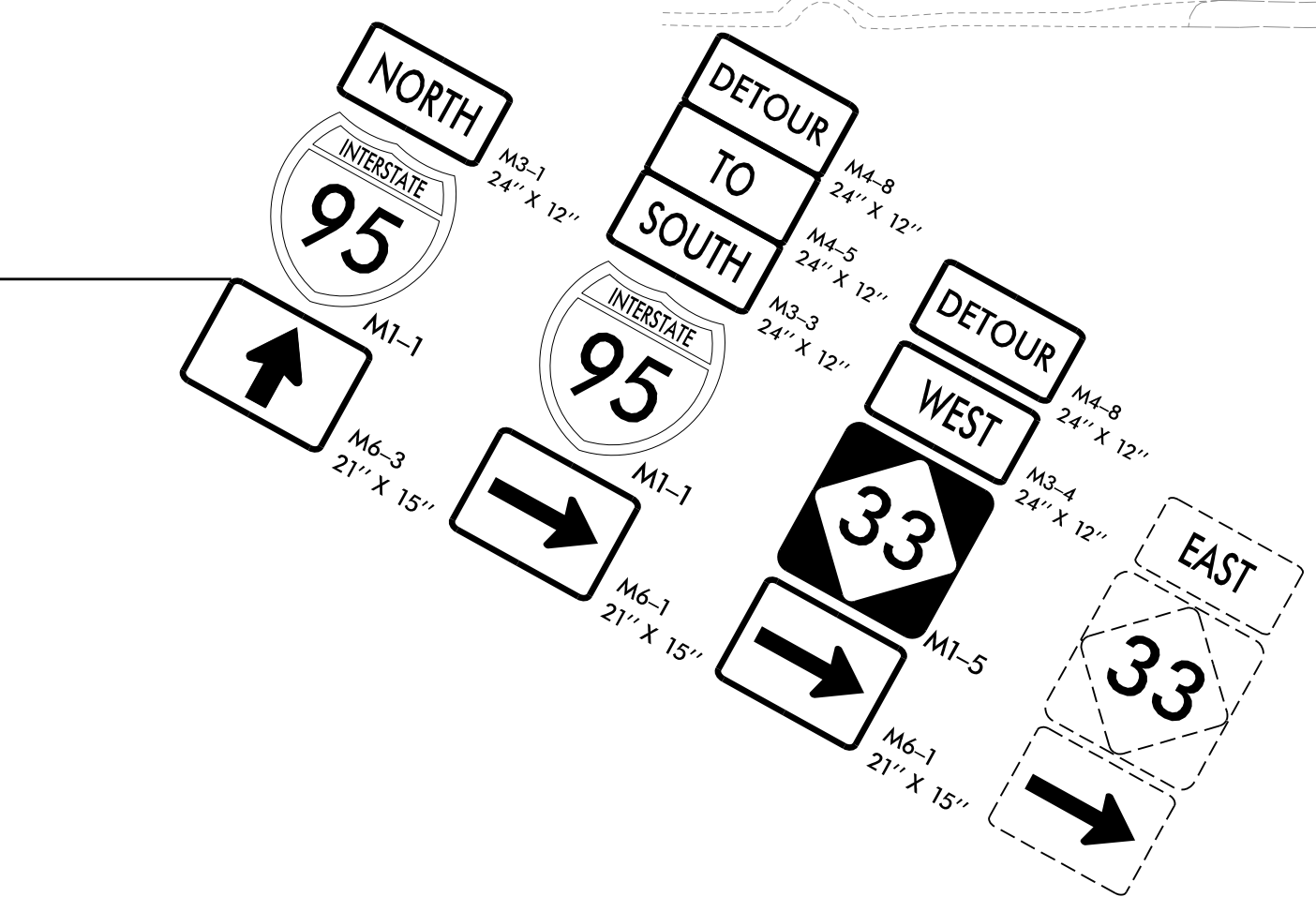
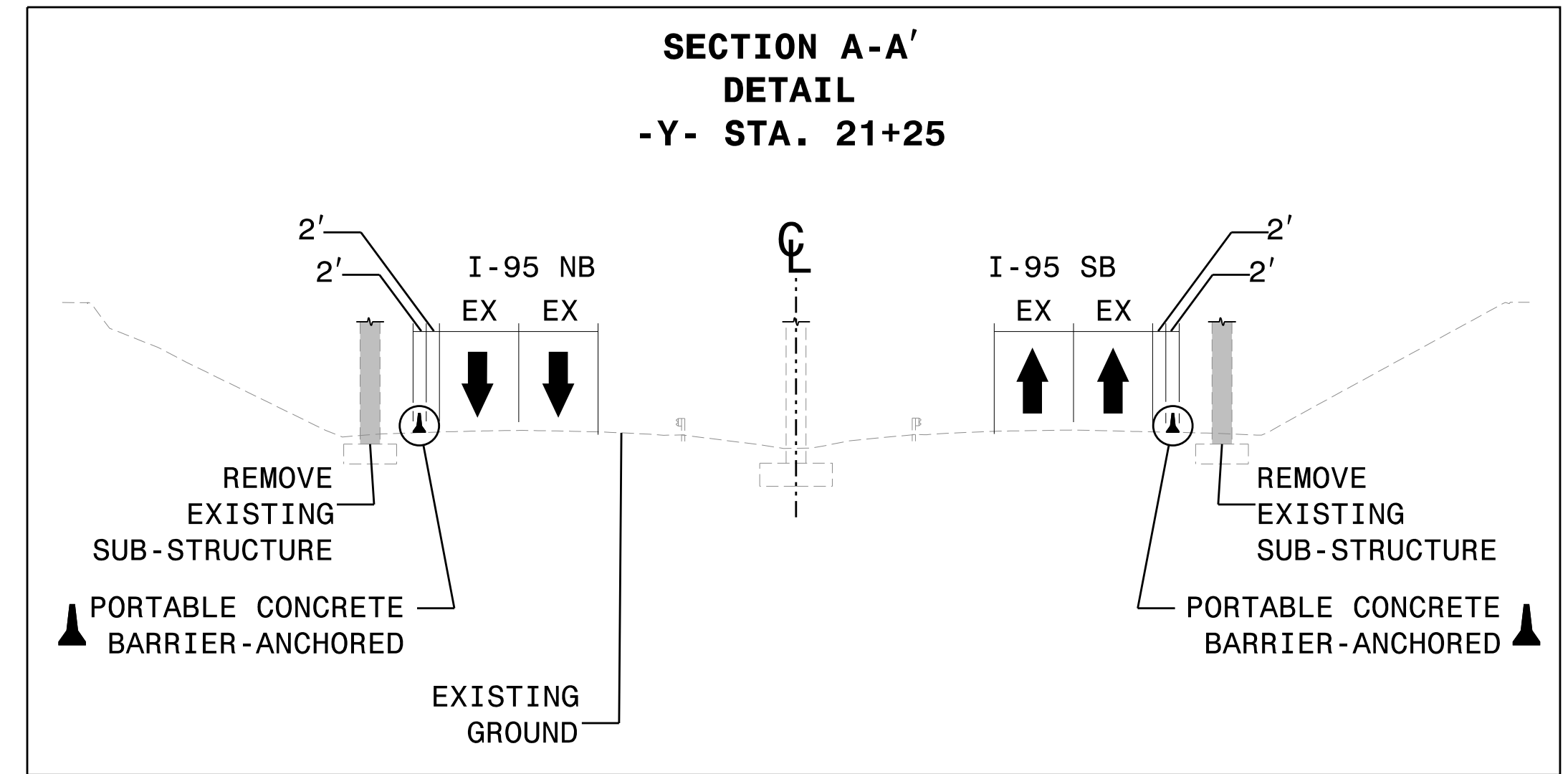
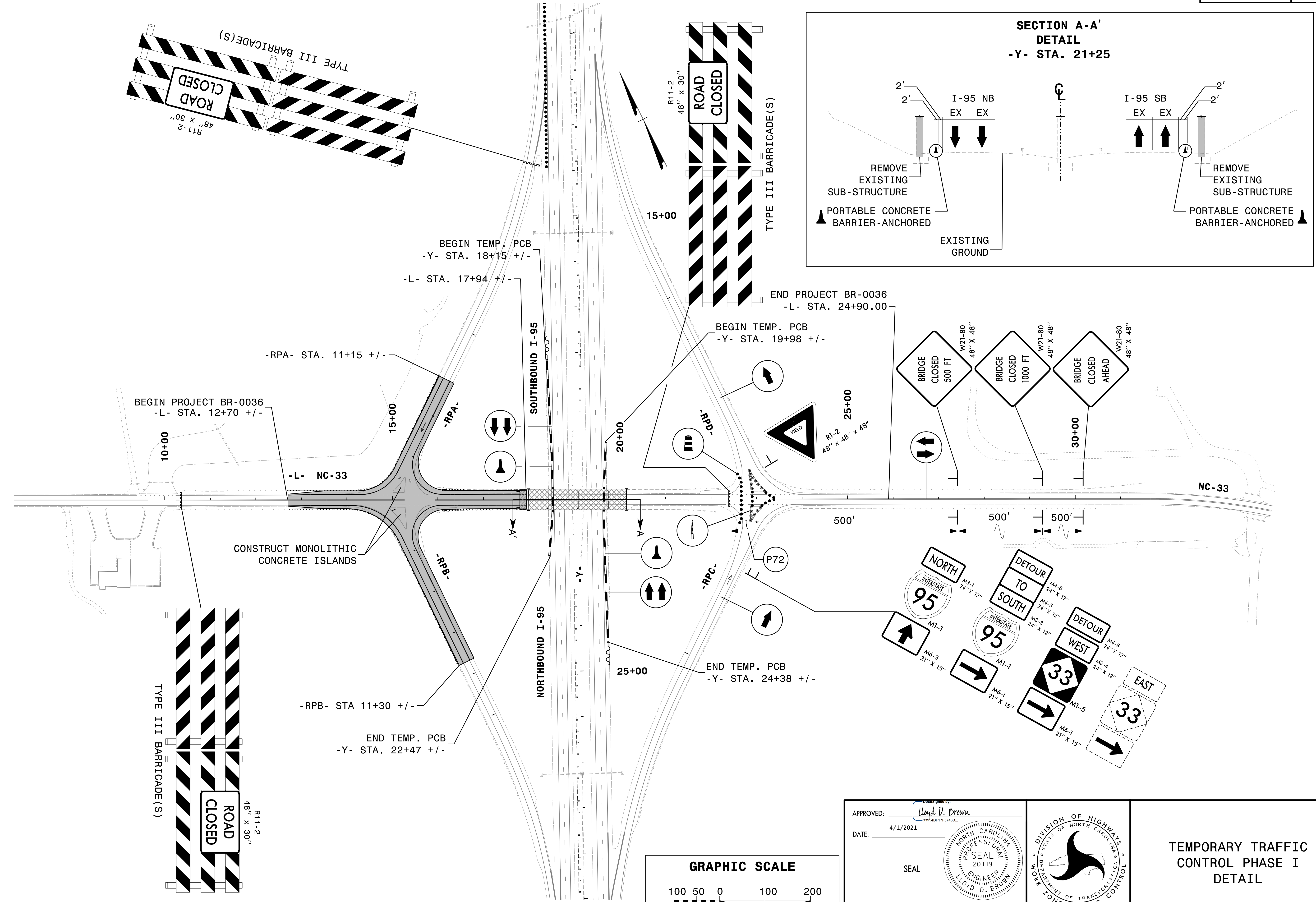
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OFF-SITE DETOUR SIGNING AND DETAIL

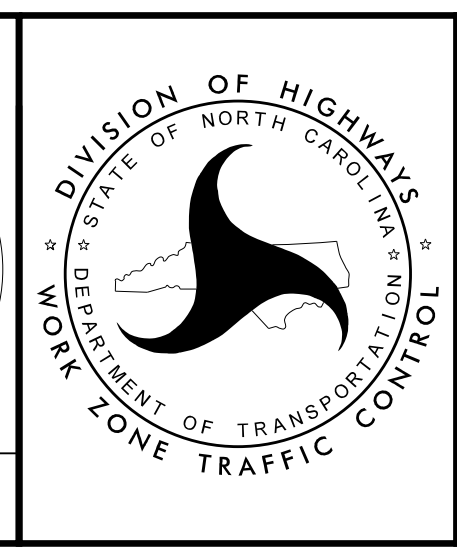
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DATE: 4/1/2021

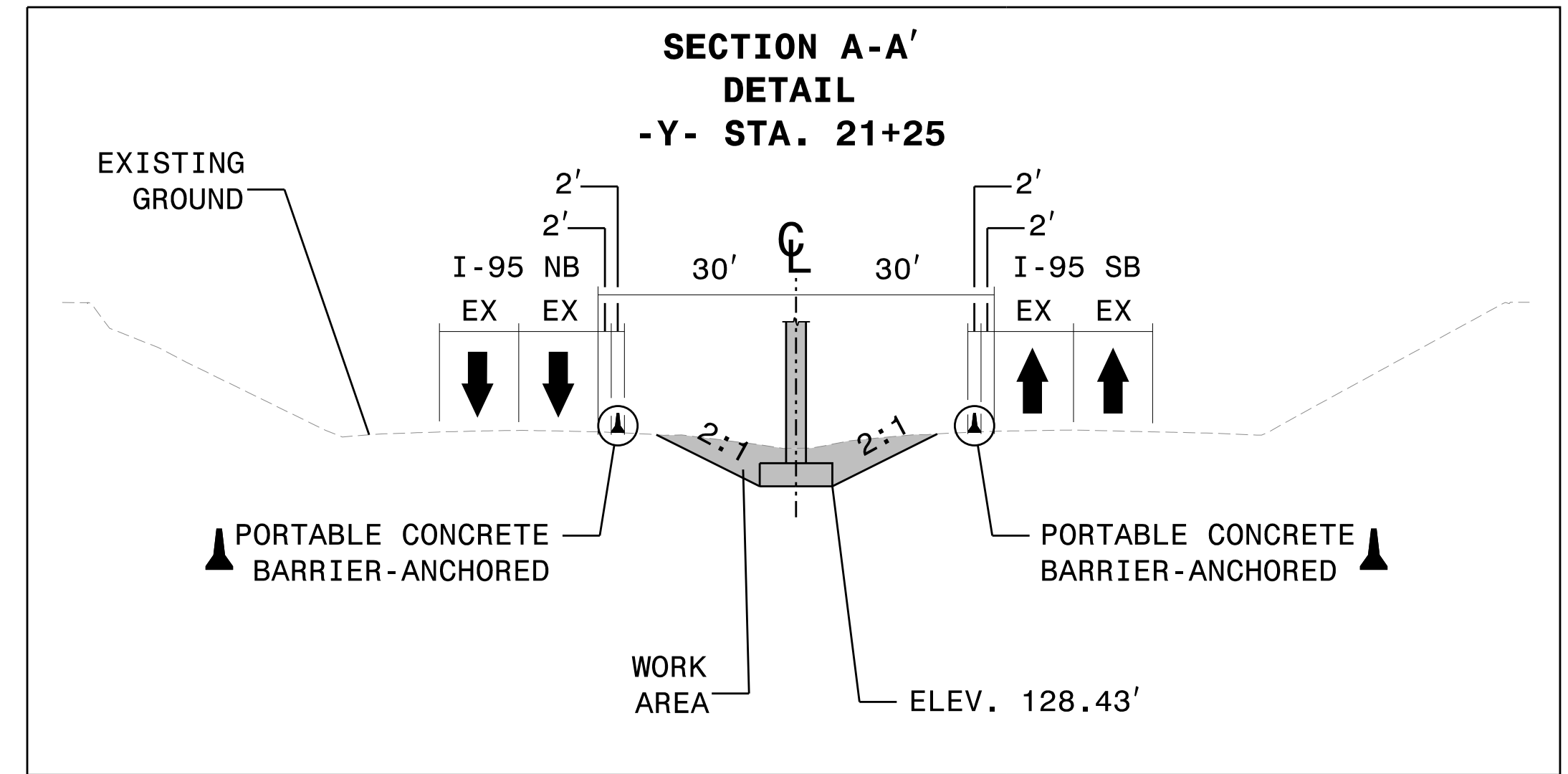
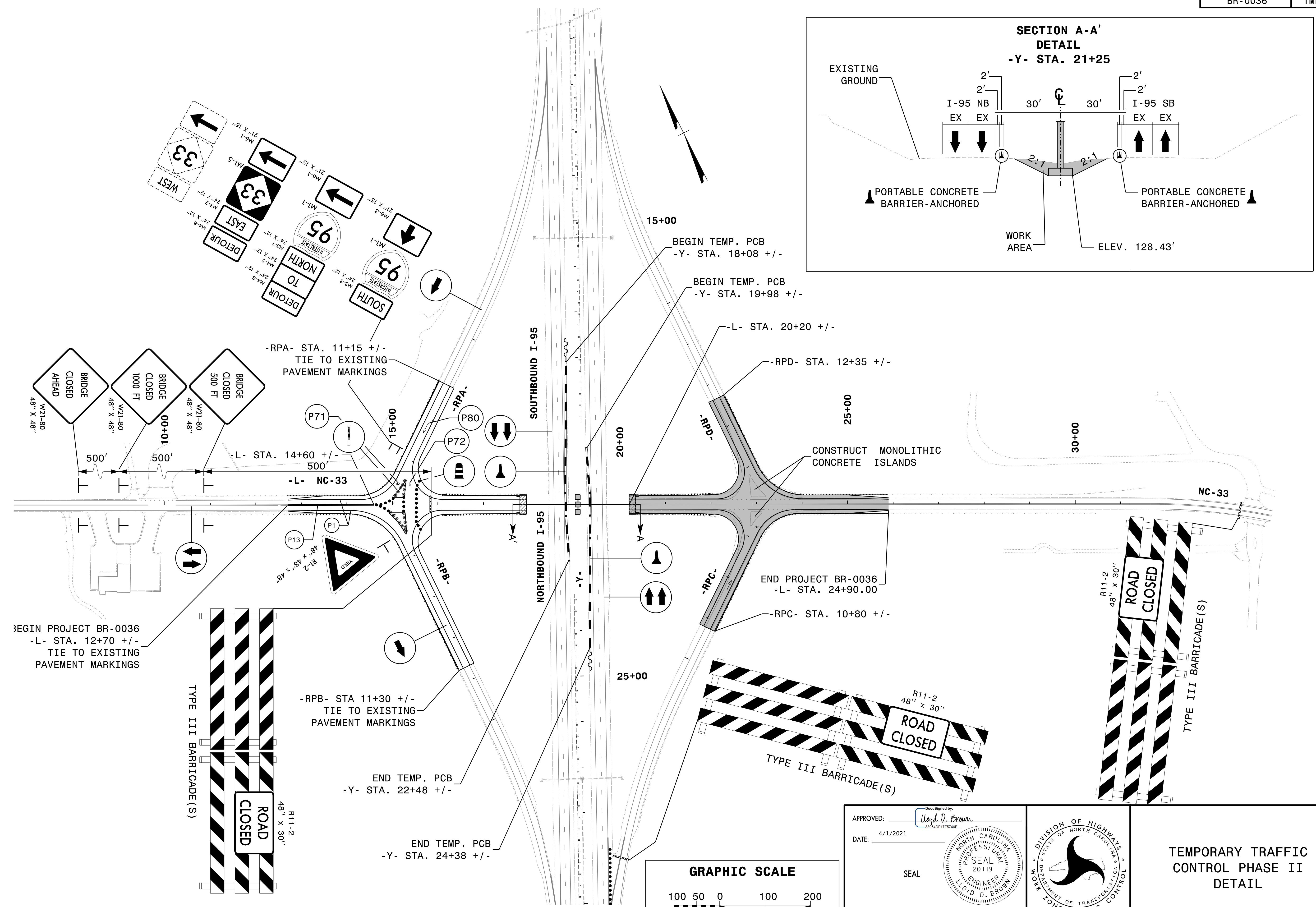
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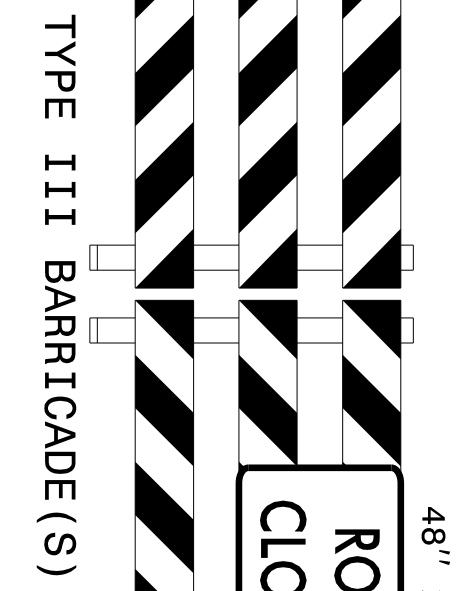


TEMPORARY TRAFFIC CONTROL PHASE I DETAIL

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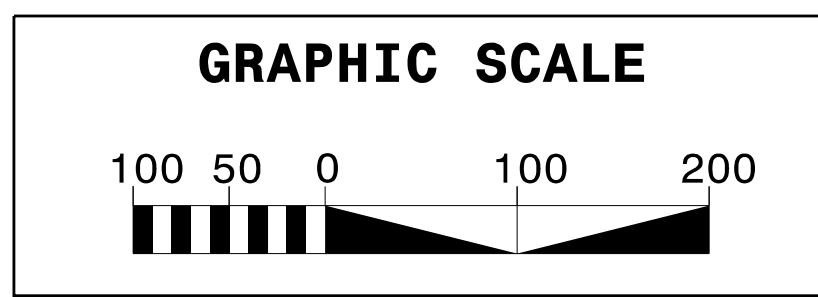
BEGIN PROJECT BR-0036
-L- STA. 12+70 +/-
TIE TO EXISTING
PAVEMENT MARKINGS



-RPB- STA 11+30 +/-
TIE TO EXISTING
PAVEMENT MARKINGS

END TEMP. PCB
-Y- STA. 22+48 +/-

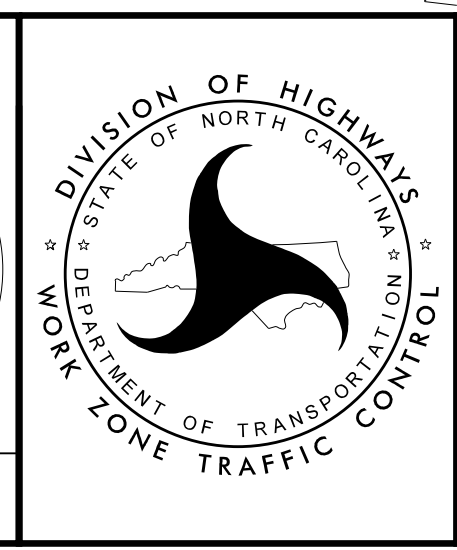
END TEMP. PCB
-Y- STA. 24+38 +/-



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DATE: 4/1/2021

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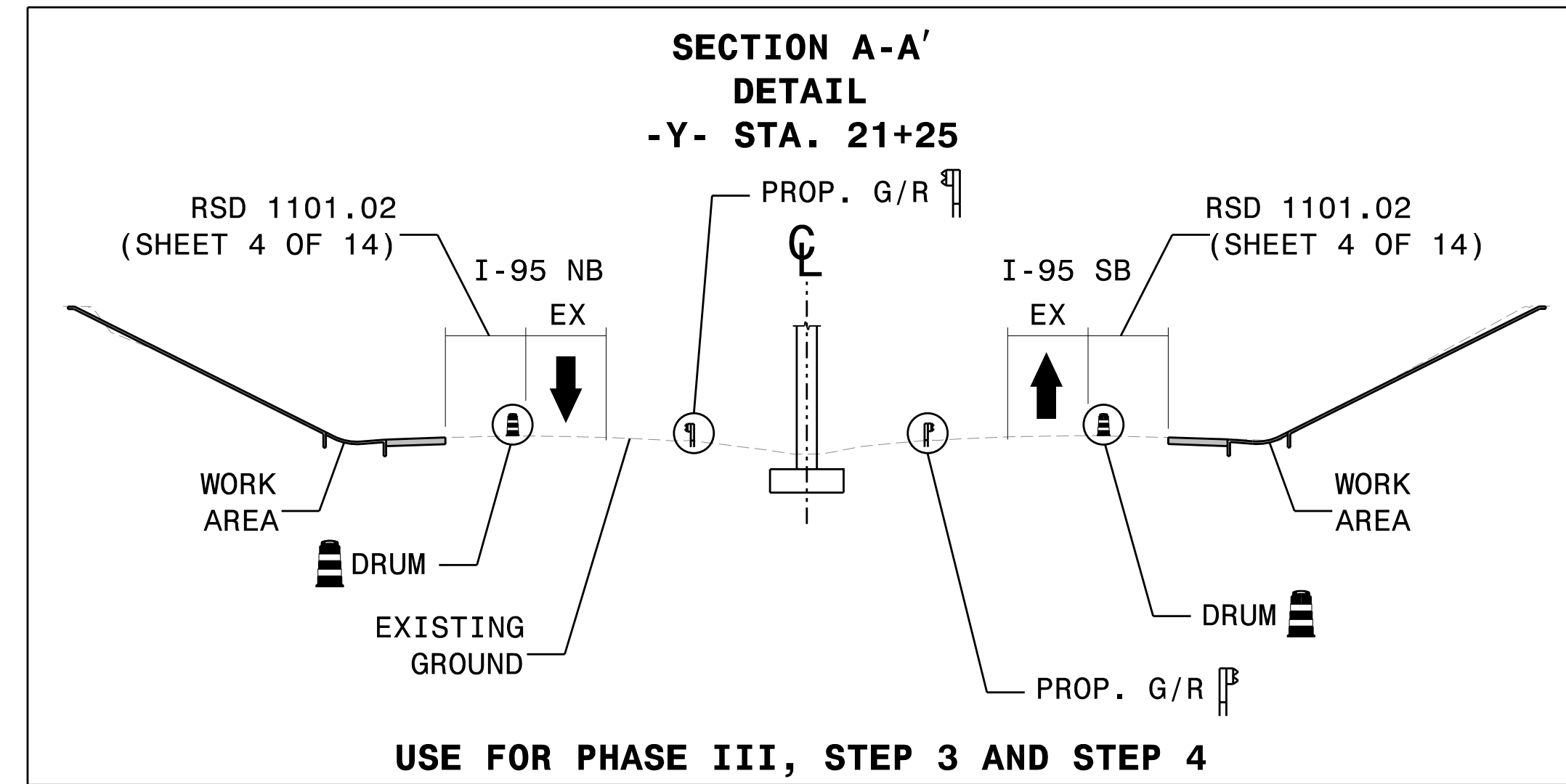
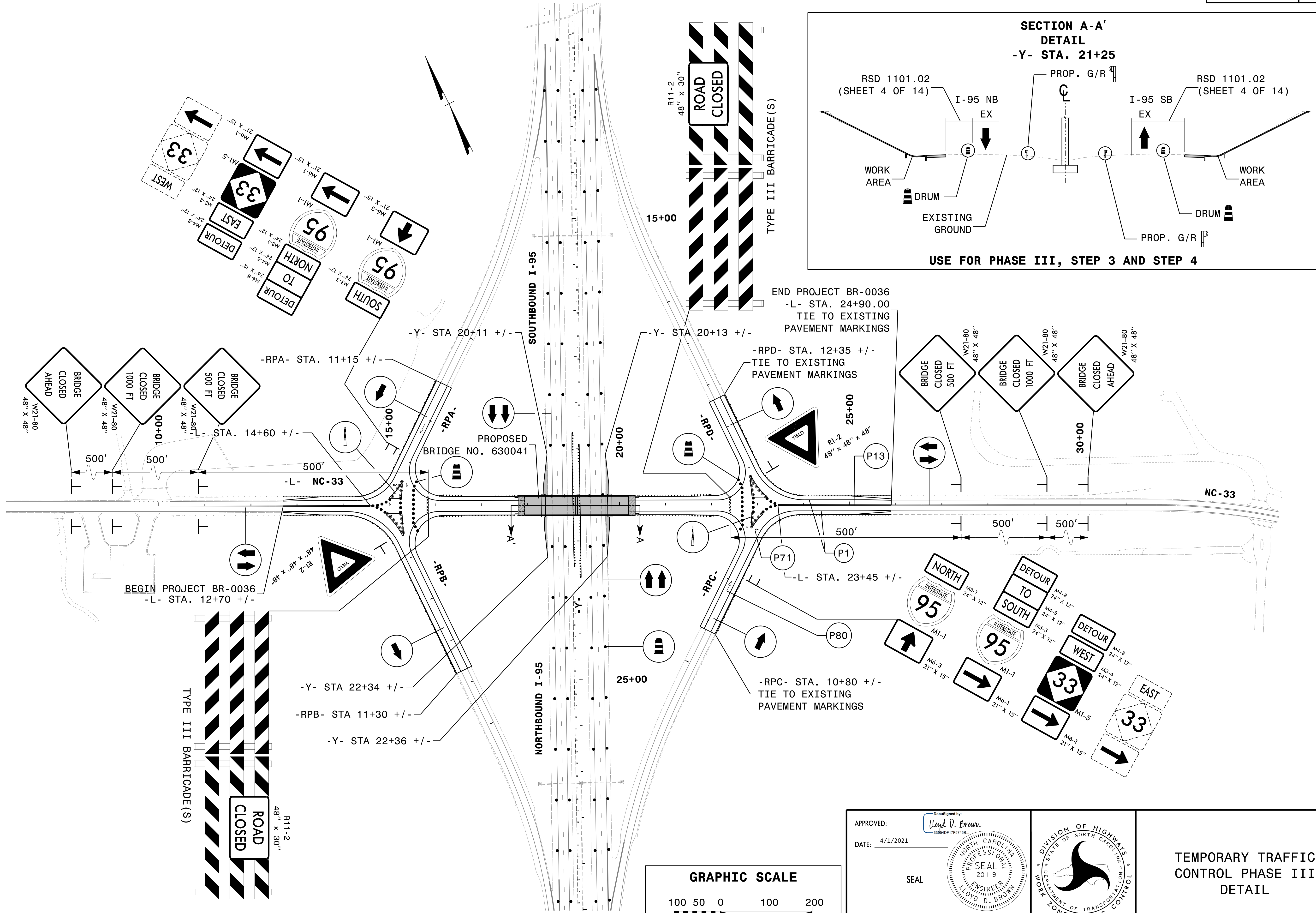
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TEMPORARY TRAFFIC CONTROL PHASE II DETAIL

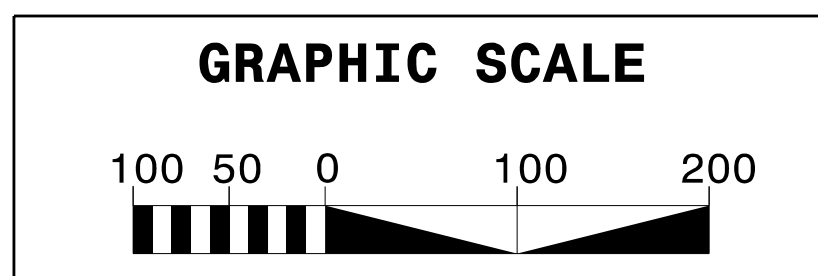
W. & S. DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

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BEGIN PROJECT BR-0036
-L- STA. 12+70 +/-

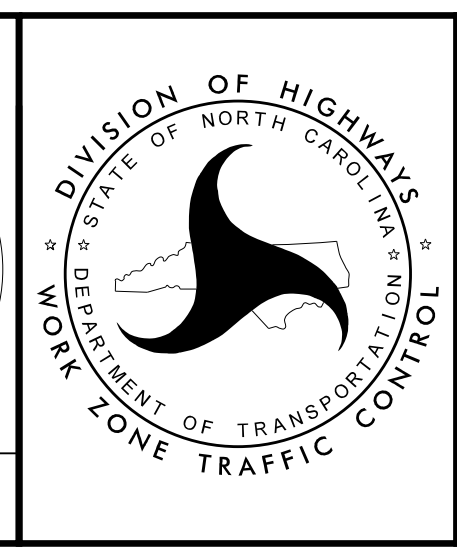
END PROJECT BR-0036
-L- STA. 24+90.00
TIE TO EXISTING
PAVEMENT MARKINGS



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DATE: 4/1/2021

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TEMPORARY TRAFFIC CONTROL PHASE III DETAIL

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