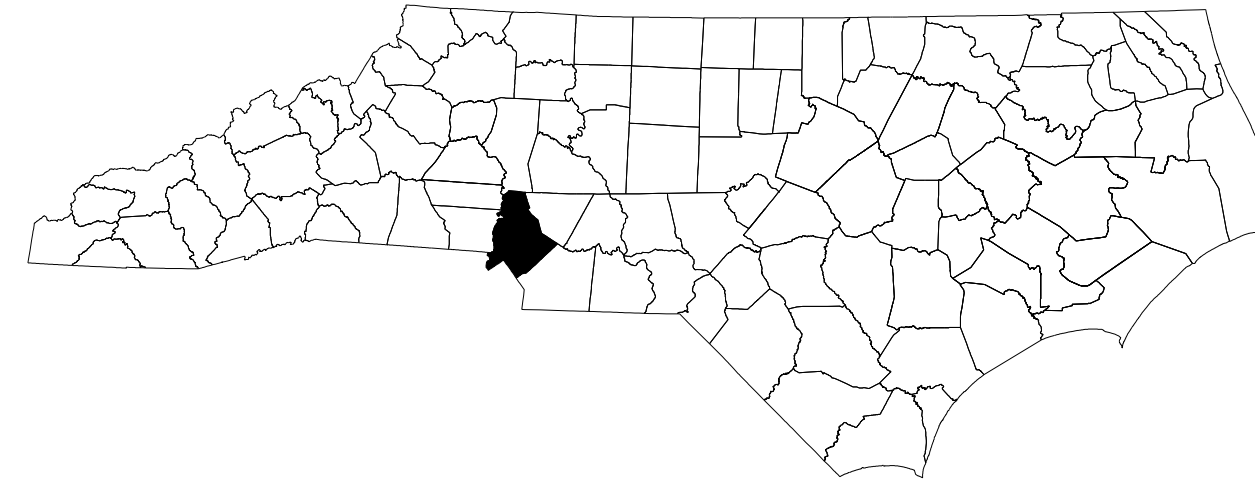


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

MECKLENBURG COUNTY

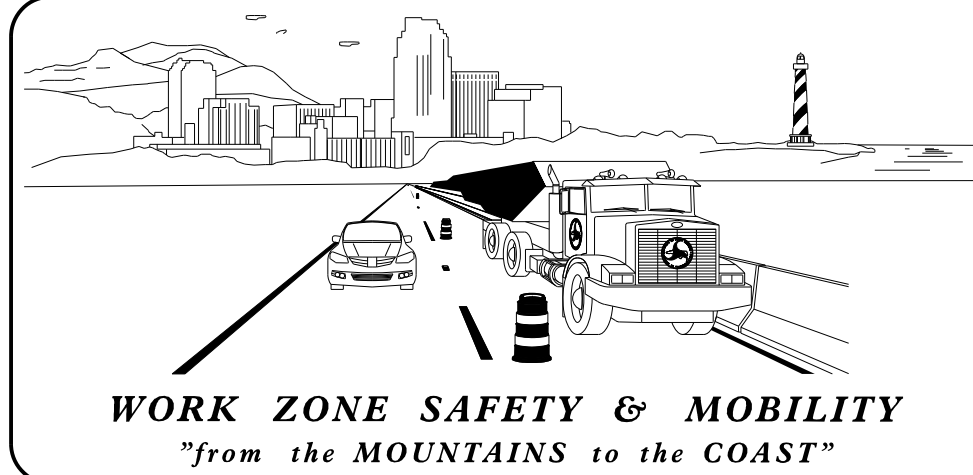


BRIDGE #590348 ON BEATTIES FORD ROAD OVER NC-16 (W BROOKSHIRE FWY), CSX RAILROAD

INDEX OF SHEETS	
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 THRU TMP-2A	GENERAL NOTES
TMP-3	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4	SIGNING LEGEND
TMP-5 THRU TMP-6	PHASE 1 SIDEWALK REPAIRS
TMP-7 THRU TMP-8	PHASE 2 BRIDGE DECK RESURFACING
TMP-9 THRU TMP-12	PHASE 3 BRIDGE GIRDER REPAINTING

SHEET NO.
TMP-1

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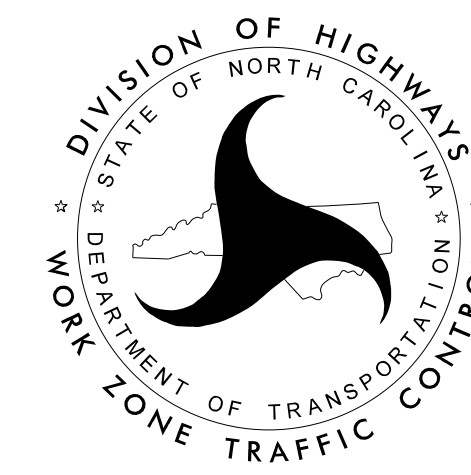
PLANS PREPARED BY:

A. MATTHEW THIGPEN, P.E.


NCDOT CONTACTS:

YANWEI MA P.E.
PROJECT ENGINEER

PROJECT DESIGN ENGINEER



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DATE: 5/17/2024

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Raleigh, NC 27610
License: P-1116



TIP PROJECT: 10BPR.401.1

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 ANVANCE 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	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGERS
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED ATTENUATOR
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 - EXIT AND ENTRANCE RAMP
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1253.01	RAISED PAVEMENT MARKERS - SNOWPLOWABLE

GENERAL

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



SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY
- PORTABLE

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

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

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

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

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION
P1	WHITE EDGELINE (4")
P3	10 FT. WHITE SKIP (4")
P13	YELLOW DOUBLE CENTER (4")
P20	PAINT WHITE EDGELINE (6")

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APPROVED: DATE: 5/17/2024			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 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 AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
NC 16 (W BROOKSHIRE FWY)	MONDAY - FRIDAY
SR 2074 (BEATTIES FORD ROAD)	6:00 A.M. TO 9:00 P.M.
	SATURDAY
	9:00 A.M. TO 6:00 P.M.
	SUNDAY
	9:00 A.M. TO 9:00 P.M.

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

ROAD NAME
NC 16 (W BROOKSHIRE FWY)
SR 2074 (BEATTIES FORD ROAD)

HOLIDAY

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

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
NC 16 (W BROOKSHIRE FWY)	MONDAY THROUGH SUNDAY 12 AM to 11:59 PM

LANE AND SHOULDER CLOSURE REQUIREMENTS

- D) 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.
- E) 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.
- F) 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.
- G) 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.
- H) 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.
- I) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON NC 16 (W BROOKSHIRE FWY).
- J) NOTIFY THE NCDOT STATEWIDE TRANSPORTATION OPERATIONS CENTER (STOC) AT 877-627-7862 APPROXIMATELY 30 MINUTES PRIOR TO INSTALLING AND WITHIN 15 MINUTES AFTER REMOVING LANE CLOSURES ON INTERSTATES, FREEWAYS, CONTROLLED ACCESS FACILITIES, AND US ROUTES.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- K) 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.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- M) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- N) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- O) 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.
- P) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

- Q) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:
- | ROAD NAME | MARKING | MARKER |
|------------------------------|---------|--------|
| NC 16 (W BROOKSHIRE FWY) | PAINT | RAISED |
| SR 2074 (BEATTIES FORD ROAD) | PAINT | RAISED |
- R) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- S) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DGN\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

APPROVED: DATE: 5/17/2024 SEAL 		TRANSPORTATION OPERATIONS PLAN: (GENERAL NOTES)
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LOCAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
10BPR.401.1	TMP-2A



THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL OF ANY KIND ON CSXT RIGHT OF WAY (ROW) OR WHERE THEY MAY HAVE THE POTENTIAL TO INTERFERE WITH CSXT OPERATIONS UNLESS CONTRACTOR HAS RECEIVED PRIOR WRITTEN AUTHORIZATION BY CSXT REPRESENTATIVE.

BASED ON THE PROJECT SCOPE, CSXT WILL DETERMINE THE LEVEL OF TRACK/ROW PROTECTION REQUIRED. HOWEVER, NO WORK ON OR WITH IMPACTS TO CSXT ROW IS PERMITTED WITHOUT SAID TRACK/ROW PROTECTION.

UNDER NO CONDITIONS SHALL WORK AFFECT THE SAFE PASSAGE OF TRAINS OR OTHER ON TRACK EQUIPMENT.

CONTRACTOR AND ALL SUBCONTRACTORS (IF APPLICABLE) SHALL PROCURE AND MAINTAIN RAILROAD PROTECTIVE LIABILITY INSURANCE AND COVERAGE OF INSURANCE BEFORE ACCESSING CSXT RIGHT OF WAY (ROW).

CONTRACTOR SHALL REFER TO THE CSXT PUBLIC PROJECTS MANUAL, MOST RECENT EDITION, FOR CONSTRUCTION REQUIREMENTS WHILE WITHIN THE CSXT RIGHT OF WAY (ROW).

CONTRACTOR MUST HAVE AN EMERGENCY ACTION AND HURRICANE PREPAREDNESS PLAN AND MEANS AND METHODS, WHICH SHOULD BE SITE SPECIFIC AND MUST INCLUDE COORDINATION WITH CSXT AND CSXT REPRESENTATIVE, WHILE WORKING WITHIN THE CSXT ROW LIMITS. THESE PLANS MUST BE PROVIDED TO CSXT FOR REVIEW AND ACCEPTANCE PRIOR TO WORK COMMENCING WHICH MAY IMPACT CSXT RIGHT OF WAY (ROW) OR FACILITIES.

AGENCY AND CONTRACTOR ARE NOT PERMITTED TO CROSS CSXT'S PROPERTY OR TRACKS, EXCEPT ON EXISTING PUBLIC ROAD CROSSINGS, WITH VEHICLES, MEN, OR EQUIPMENT OF ANY KIND WITHOUT PRIOR AUTHORIZATION FROM CSXT OR AUTHORIZED REPRESENTATIVE.

IF ANY ISSUE OR INCIDENT OCCURS WITHIN CSXT RIGHT OF WAY (ROW), CONTRACTOR MUST IMMEDIATELY CONTACT THE CSXT PUBLIC SAFETY COORDINATION CENTER AT 800-232-0144 AND NOTIFY CSXT REPRESENTATIVE.

"ONE CALL" SERVICES DO NOT LOCATE BURIED RAILROAD SIGNAL AND COMMUNICATIONS LINES. THE CONTRACTOR SHALL CONTACT THE RAILROAD'S REPRESENTATIVE TWO (2) WEEKS IN ADVANCE OF THOSE PLACES WHERE EXCAVATION, PILE DRIVING, OR HEAVY LOADS MAY DAMAGE RAILROAD UNDERGROUND LINES ON RAILROAD PROPERTY. UPON REQUEST FROM THE CONTRACTOR OR AGENCY, RAILROAD SIGNAL FORCES WILL LOCATE AND PAINT MARK OR FLAG RAILROAD UNDERGROUND SIGNAL, COMMUNICATION, AND POWER LINES IN THE AREA TO BE DISTURBED FOR THE CONTRACTOR. AVOID EXCAVATION OR OTHER DISTURBANCE OF THESE LINES WHICH ARE CRITICAL TO CONTRACTOR. THE SAFETY OF THE RAILROAD AND THE PUBLIC. IF DISTURBANCE OR EXCAVATION IS REQUIRED NEAR A BURIED RAILROAD SIGNAL, COMMUNICATION, OR POWER LINE, THE LINE SHALL BE POTHOLED MANUALLY WITH CAREFUL HAND EXCAVATION BY THE CONTRACTOR AND PROTECTED BY THE CONTRACTOR DURING THE COURSE OF THE DISTURBANCE UNDER THE SUPERVISION AND DIRECTION OF A RAILROAD SIGNAL REPRESENTATIVE.

ALL SOILS EXCAVATED WITHIN CSXT'S RAILROAD RIGHT OF WAY SHALL REMAIN ON CSXT'S RIGHT OF WAY. TESTING OF SOILS ON CSXT ROW IS PROHIBITED WITHOUT PRIOR WRITTEN CSXT AUTHORIZATION. ANY SOILS EXCAVATED ON CSXT ROW CAN BE REUSED ON THE ROW PROVIDED PLACING SOILS ALONG CSXT ROW POSES NO ADVERSE IMPACTS TO THE EXISTING TERRAIN, DRAINAGE OR ENVIRONMENT. SHOULD SOIL NEED TO BE REMOVED FROM CSXT ROW, THE CSXT ENVIRONMENTAL DEPARTMENT WILL SAMPLE THE SOIL FOR DISPOSITION. SOIL STAGED ON CSXT MUST FOLLOW CSXT PROTOCOL AND BE PROPERLY STORED AND/OR PROTECTED FROM THE ELEMENTS AND POTENTIAL EXPOSURE.

PROVIDE THE DEPARTMENT WITH A 45 DAY ADVANCE NOTICE OF BEGINNING WORK WITHIN THE RAILROAD RIGHT OF WAY TO ALLOW FOR THE SCHEDULING OF TRACK/ROW PROTECTION. FAILURE BY THE CONTRACTOR TO MEET THE REQUIREMENTS OF THIS NOTICE CONSTITUTES A FULL, COMPLETE ABSOLUTE AND IRREVOCABLE WAIVER BY THE CONTRACTOR OF ANY RIGHT TO CLAIM FOR ADDITIONAL COMPENSATION OR A TIME EXTENSION RELATED TO WORK WITHIN THE RAILROAD RIGHT OF WAY.

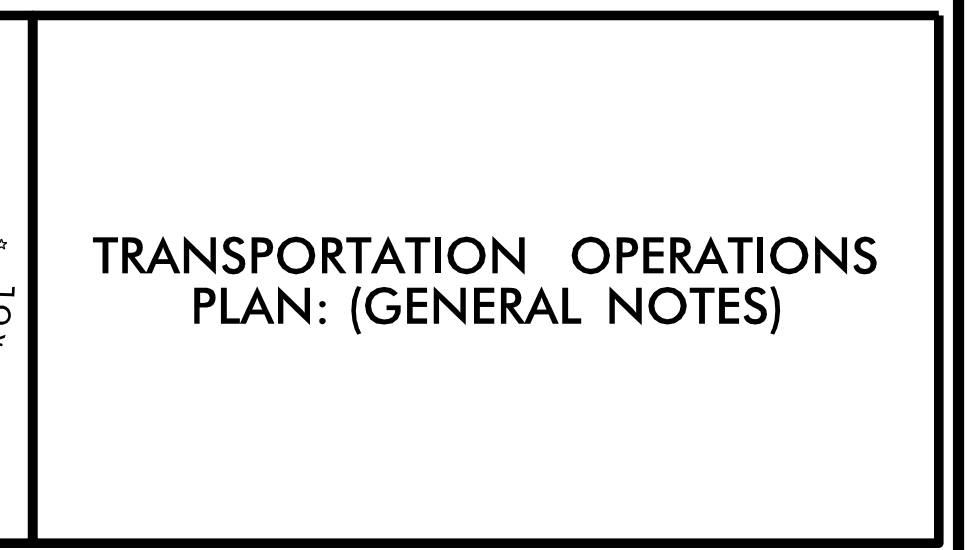
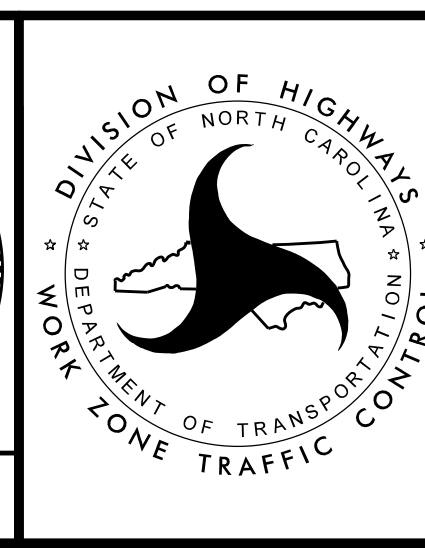
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DocuSigned by:
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DATE: 5/17/2024

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PHASING

PROJ. REFERENCE NO.	SHEET NO.
10BPR.401.1	TMP-3



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BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES. FIELD VERIFY LOCATIONS WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.

MAINTAIN VEHICULAR ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT, UNLESS OTHERWISE NOTED IN THE PHASING PLANS OR DIRECTED BY THE RESIDENT ENGINEER.

WHEN USING LANE CLOSURES (RSD 1101.02), RETURN TRAFFIC TO EXISTING AND/OR TEMPORARY TRAFFIC PATTERN UPON ACTIVITIES COMPLETION, UNLESS OTHERWISE NOTED IN THE PHASING PLANS.

WHEN PHASING STATES TO USE LANE CLOSURES, REFER TO THE FOLLOWING FOR ALL EXISTING AND PROPOSED ROADS:

-ALL TWO-LANE/TWO-WAY FACILITIES SEE RSD 1101.02 SHEET 1 OF 19

-ALL 3-LANE ROADWAYS SEE RSD 1101.02 SHEET 2 OF 19

-ALL MULTI-LANE FACILITIES POSTED < 60 MPH SEE RSD 1101.02 SHEET 3 OF 19

-ALL MULTI-LANE UNDIVIDED FACILITIES SEE RSD 1101.02 SHEET 7 OF 19

-ALL ENTRANCE AND EXIT RAMPS SEE RSD 1101.02 SHEETS 10 AND 11 OF 19.

REPLACE MARKINGS AND RETURN TRAFFIC TO THE CURRENT TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

FOR ALL SHOULDER CLOSURES, SEE RSD 1101.04. WHEN PORTABLE CONCRETE BARRIER (PCB) IS PRESENT ON SHOULDERS, PLACE SHOULDER CLOSURE SIGNS & DEVICES IN ADVANCE OF PCB.

PHASE 1 - SIDEWALK REPAIRS

STEP 1 (SEE TMP-5)

ERECT THE PEDESTRIAN DETOUR AND CLOSE THE SIDEWALK ALONG THE WEST SIDE OF SR 2074 (BEATTIES FORD ROAD). WHEN NECESSARY, CLOSE THE ADJACENT TRAVEL LANE ON SR 2074 (BEATTIES FORD ROAD)

RESTORE SIDEWALK AS NEEDED AT BOTH WESTERN ENDS OF THE BRIDGE.

WHEN THE LANE CLOSURE IS NO LONGER NECESSARY FOR ACTIVITIES, REMOVE THE LANE CLOSURE AND REOPEN THE TRAVEL LANE.

WHEN THE SIDEWALK HAS CURED SUFFICIENTLY, REMOVE THE SIDEWALK CLOSURE AND PEDESTRIAN DETOUR.

STEP 2 (SEE TMP-6)

ERECT THE PEDESTRIAN DETOUR AND CLOSE THE SIDEWALK ALONG THE EAST SIDE OF SR 2074 (BEATTIES FORD ROAD). WHEN NECESSARY, CLOSE THE ADJACENT TRAVEL LANE ON SR 2074 (BEATTIES FORD ROAD).

RESTORE SIDEWALK AS NEEDED AT BOTH WESTERN ENDS OF THE BRIDGE.

WHEN THE LANE CLOSURE IS NO LONGER NECESSARY FOR ACTIVITIES, REMOVE THE LANE CLOSURE AND REOPEN THE TRAVEL LANE.

WHEN THE SIDEWALK HAS CURED SUFFICIENTLY, REMOVE THE SIDEWALK CLOSURE AND PEDESTRIAN DETOUR.

PHASE 2 - BRIDGE DECK RESURFACING

THE CONTRACTOR SHALL COMPLETE THE WORK OF PHASE 2, STEP 1 IN CONSECUTIVE NIGHTS SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 1
COMPLETE BRIDGE DECK REHABILITATION IN THE FOLLOWING SEQUENCE OR AS DIRECTED BY THE ENGINEER.

- A. CLOSE ONE LANE IN EACH DIRECTION ON SR 2074 (BEATTIES FORD ROAD) AND SHIFT TRAFFIC TOWARD THE WEST HALF OF THE BRIDGE. COMPLETE BRIDGE DECK REHABILITATION OF EASTERN PORTION OF BRIDGE, PLACE TEMPORARY PAVEMENT MARKINGS, REMOVE TEMPORARY TRAFFIC CONTROL DEVICES AND RE-OPEN TO EXISTING TRAFFIC PATTERN (SEE TMP-7)
- B. USING LANE CLOSURES (RSD 1101.03 SHEET 7 OF 19) CLOSE INSIDE LANE IN EACH DIRECTION ON SR 2074 (BEATTIES FORD ROAD). COMPLETE BRIDGE DECK REHABILITATION OF CENTER PORTION OF BRIDGE, PLACE TEMPORARY PAVEMENT MARKINGS, REMOVE TEMPORARY TRAFFIC CONTROL DEVICES AND RE-OPEN TO EXISTING TRAFFIC PATTERN.
- C. CLOSE ONE LANE IN EACH DIRECTION ON SR 2074 (BEATTIES FORD ROAD) AND SHIFT TRAFFIC TOWARD THE EAST HALF OF THE BRIDGE. COMPLETE BRIDGE DECK REHABILITATION OF WESTERN PORTION OF BRIDGE, PLACE TEMPORARY PAVEMENT MARKINGS, REMOVE TEMPORARY TRAFFIC CONTROL DEVICES AND RE-OPEN TO EXISTING TRAFFIC PATTERN (SEE TMP-8)

PHASE 3 - BRIDGE GIRDER PAINTING

THE CONTRACTOR SHALL COMPLETE THE WORK OF PHASE 3, STEP 1 IN CONSECUTIVE NIGHTS SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 1
COMPLETE BRIDGE GIRDER PAINTING IN THE FOLLOWING SEQUENCE OR AS DIRECTED BY THE ENGINEER.

- A. CLOSE LEFT LANE OF NORTHBOUND NC 16 AND SHIFT TRAFFIC ONTO OUTSIDE SHOULDER AS NEEDED MAINTAINING MIN. 11 FOOT LANE. PERFORM WORK NECESSARY TO PAINT BRIDGE GIRDERS, REMOVE TEMPORARY TRAFFIC CONTROL DEVICES AND RE-OPEN TO EXISTING TRAFFIC PATTERN (SEE TMP-9).
- B. CLOSE RIGHT LANE OF NORTHBOUND NC 16. PERFORM WORK NECESSARY TO PAINT BRIDGE GIRDERS. REPAIR OUTSIDE SHOULDER AS NEEDED OR AS DIRECTED BY THE ENGINEER, REMOVE TEMPORARY TRAFFIC CONTROL DEVICES AND RE-OPEN TO EXISTING TRAFFIC PATTERN (SEE TMP-10).
- C. CLOSE LEFT LANE OF SOUTHBOUND NC 16. SHIFT TRAFFIC ONTO OUTSIDE SHOULDER AS NEEDED MAINTAINING MIN. 11 FOOT LANE. PERFORM WORK NECESSARY TO PAINT BRIDGE GIRDERS, REMOVE TEMPORARY TRAFFIC CONTROL DEVICES AND RE-OPEN TO EXISTING TRAFFIC PATTERN (SEE TMP-11).
- D. CLOSE RIGHT LANE OF SOUTHBOUND NC 16. PERFORM WORK NECESSARY TO PAINT BRIDGE GIRDERS. REPAIR OUTSIDE SHOULDER AS NEEDED OR AS DIRECTED BY THE ENGINEER, REMOVE TEMPORARY TRAFFIC CONTROL DEVICES AND RE-OPEN TO EXISTING TRAFFIC PATTERN (SEE TMP-12).

PHASE 4 - BRIDGE BENT REPAIRS

STEP 1

CLOSE THE RIGHT SHOULDER OF NORTHBOUND NC 16 (WEST BROOKSHIRE FREEWAY) PERFORM REPAIRS TO BENT 1 SUPPORT STRUCTURE WHEN REPAIRS ARE COMPLETE, REMOVE THE SHOULDER CLOSURE.

STEP 2

COORDINATE WITH CSX RAILROAD TO OBTAIN WORKING HOURS FOR BENT 4 REPAIRS.

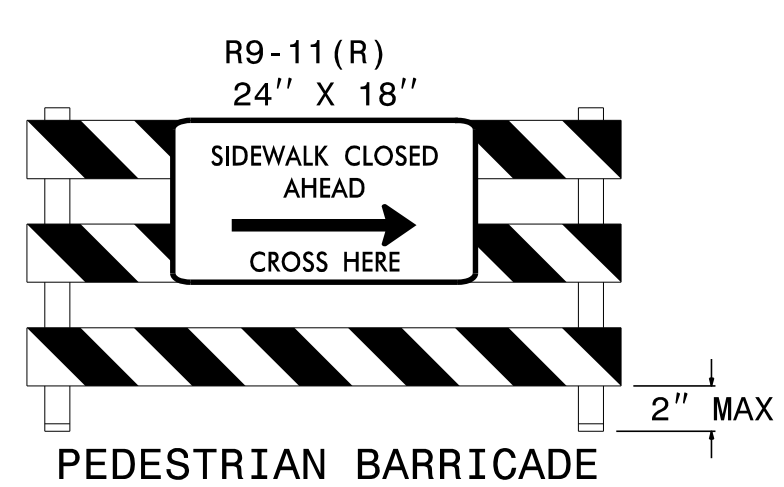
WITHIN THE TIMES ALLOWED BY CSX RAILROAD, PERFORM REPAIRS TO BENT 4 SUPPORT STRUCTURE. COMPLY WITH ALL RAILROAD REGULATIONS AND DIRECTIONS FROM THE ROADWAY WORKER IN CHARGE.

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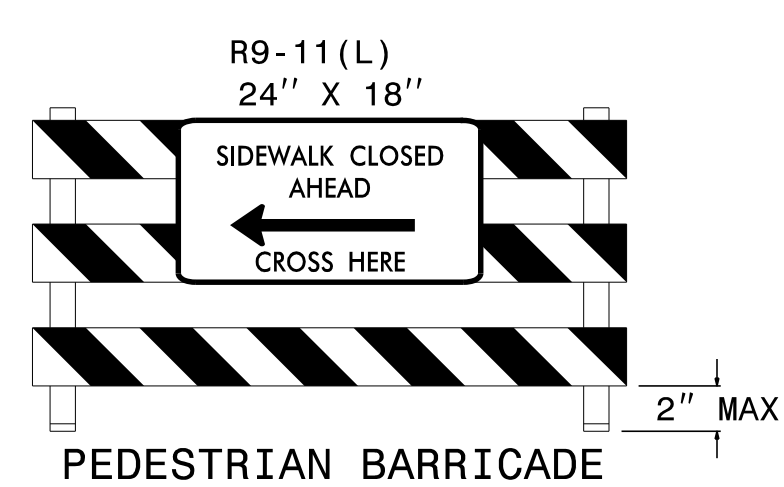
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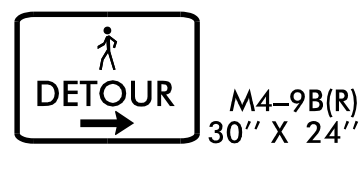
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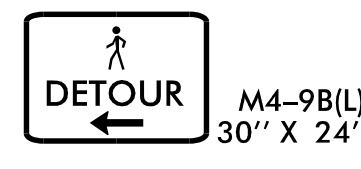
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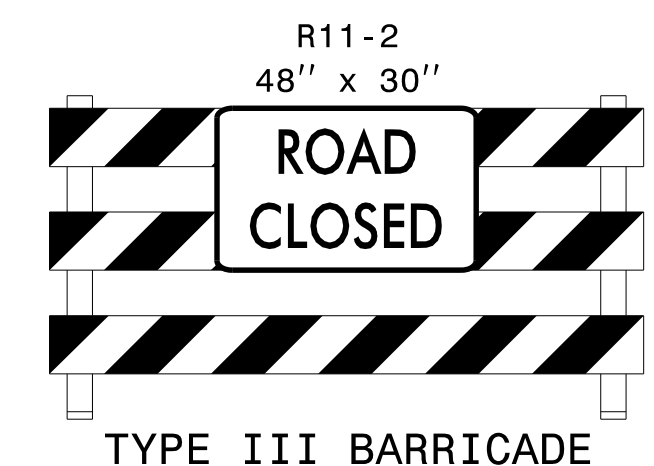
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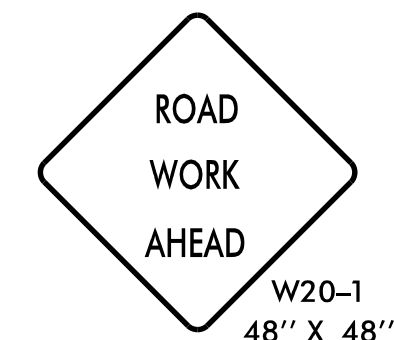
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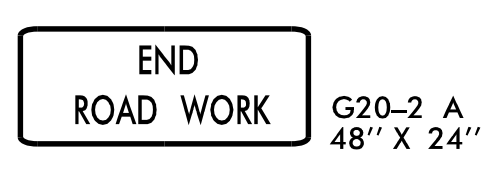
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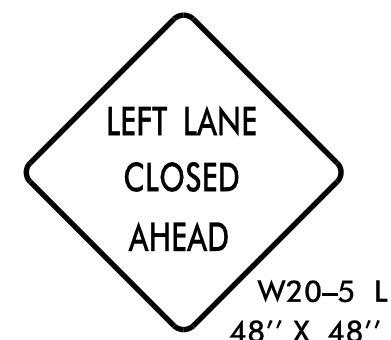
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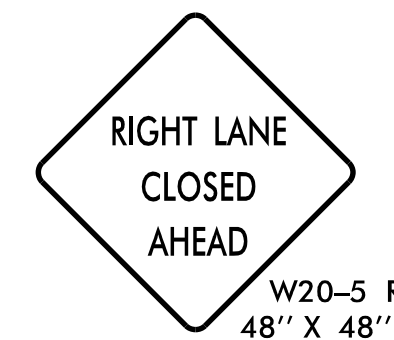
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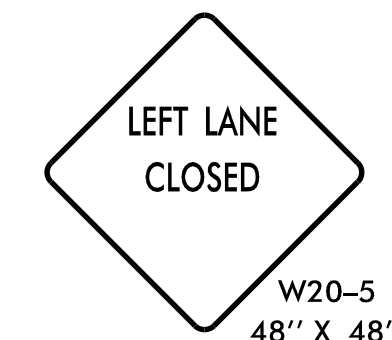
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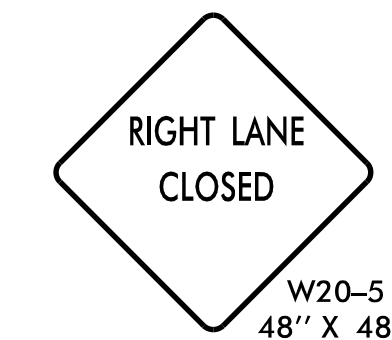
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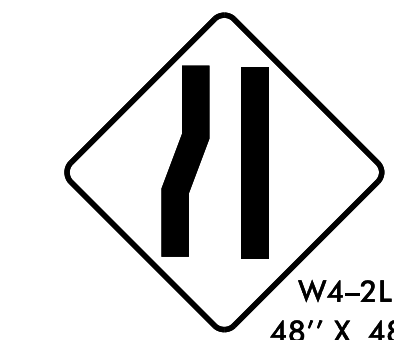
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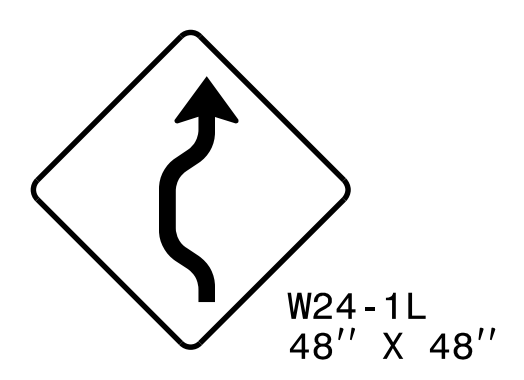
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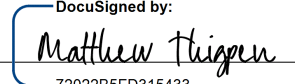


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J

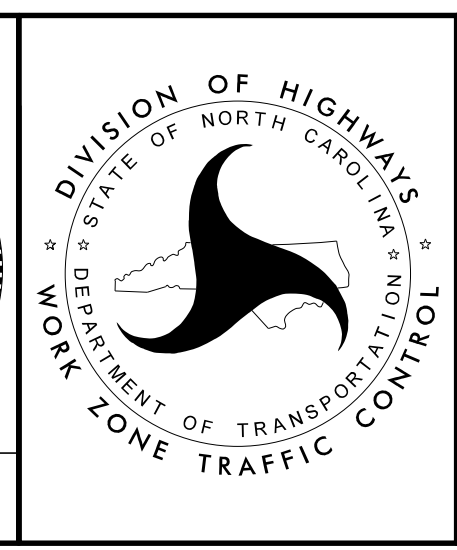
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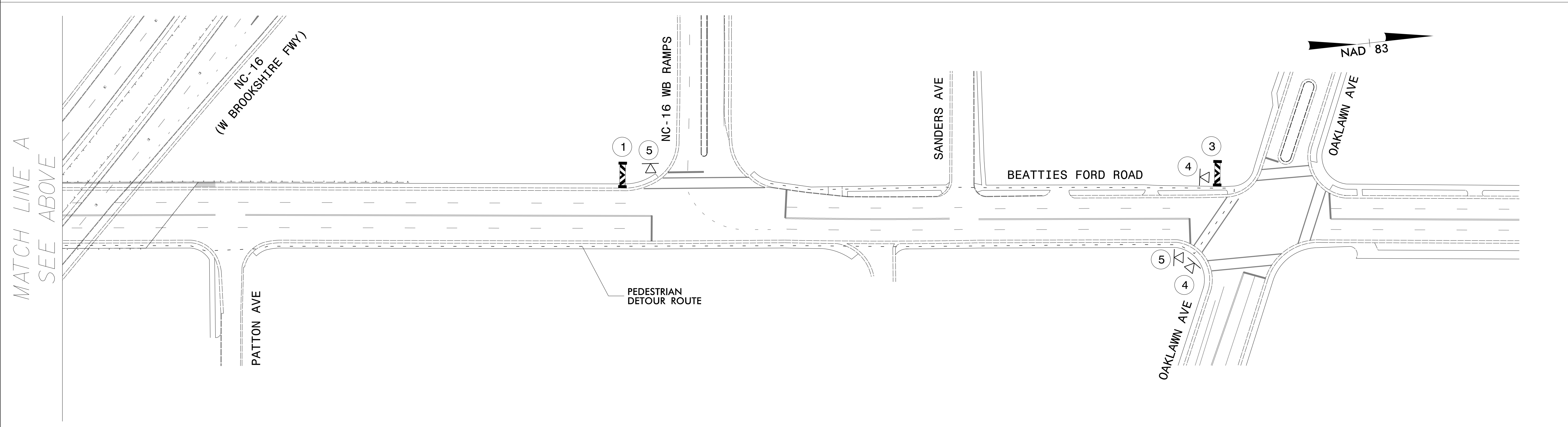
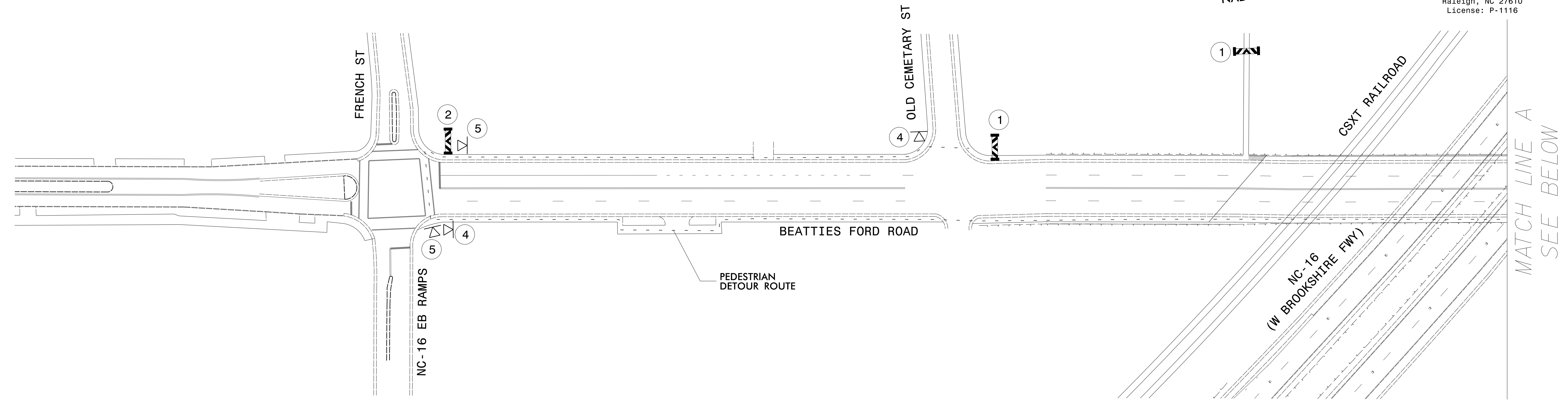
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10BPR.401.1	TMP-5

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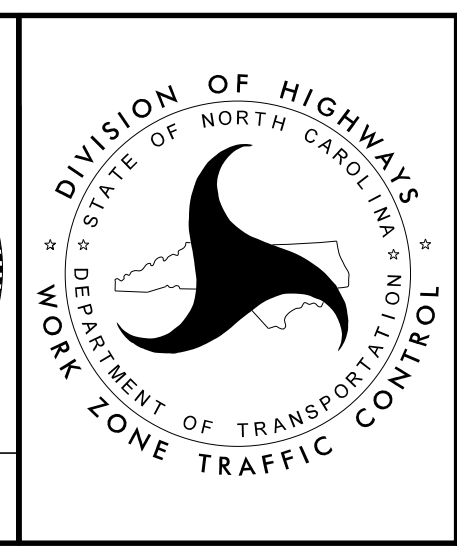


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User:Matt Thigpen

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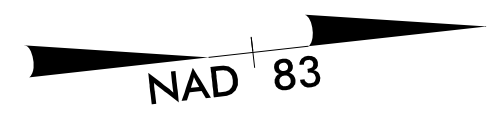
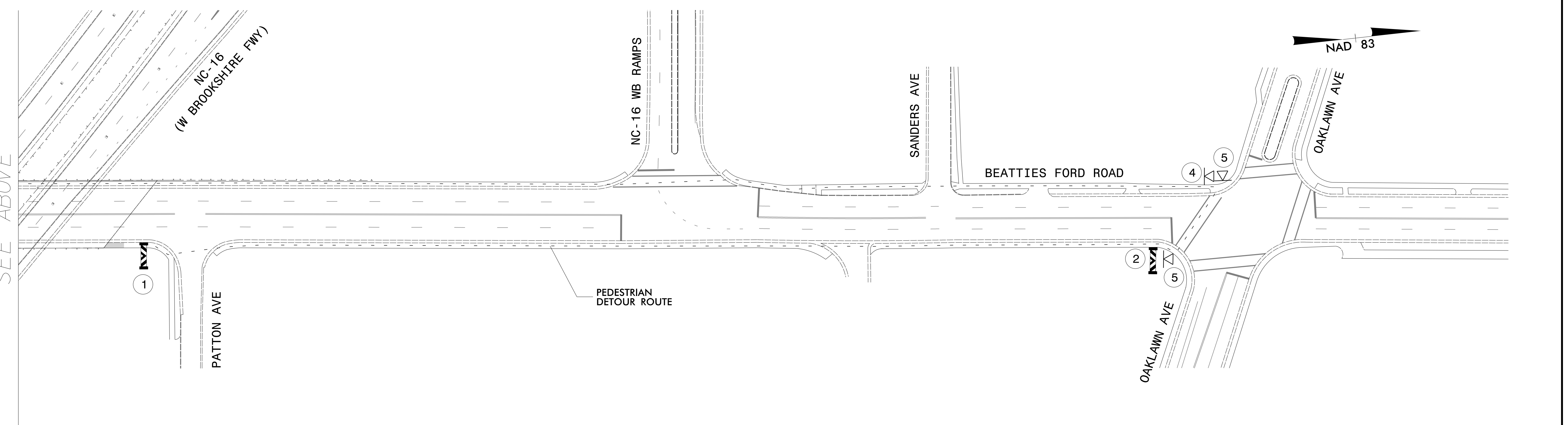
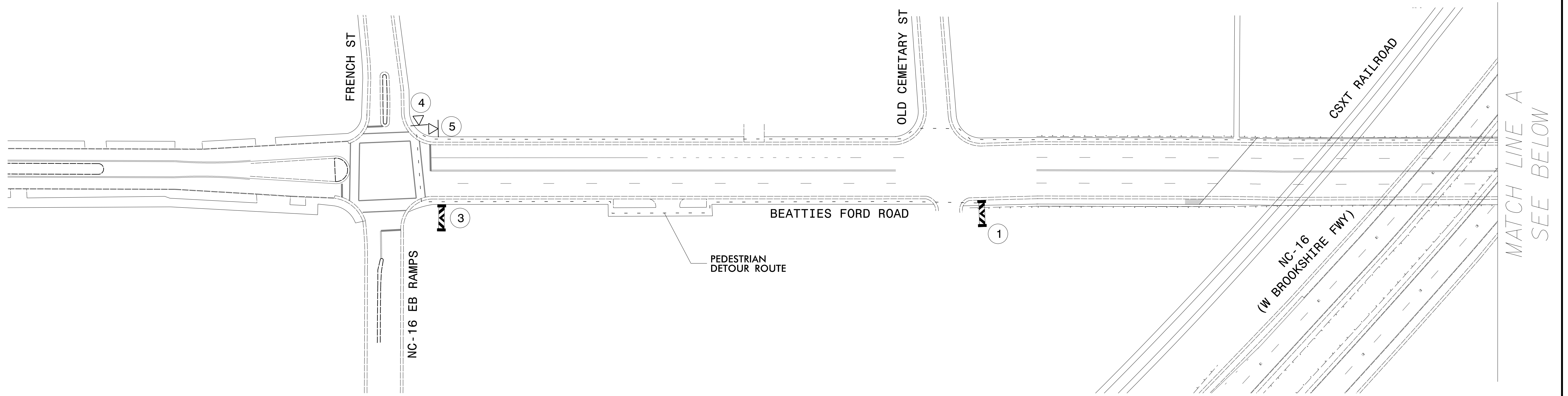


PHASE 1 STEP 1

PROJ. REFERENCE NO.	SHEET NO.
10BPR.401.1	TMP-6



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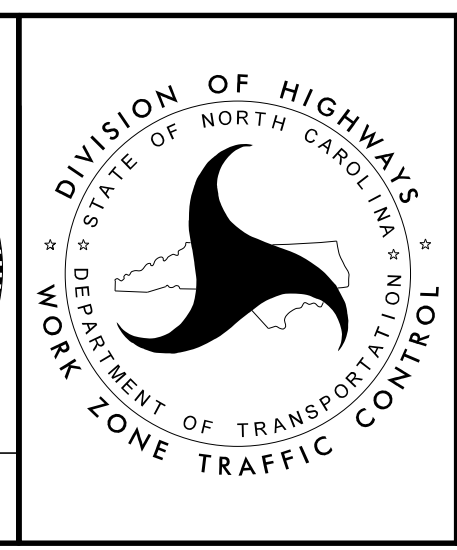
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MATCH LINE A
SEE ABOVE

MATCH LINE A
SEE BELOW

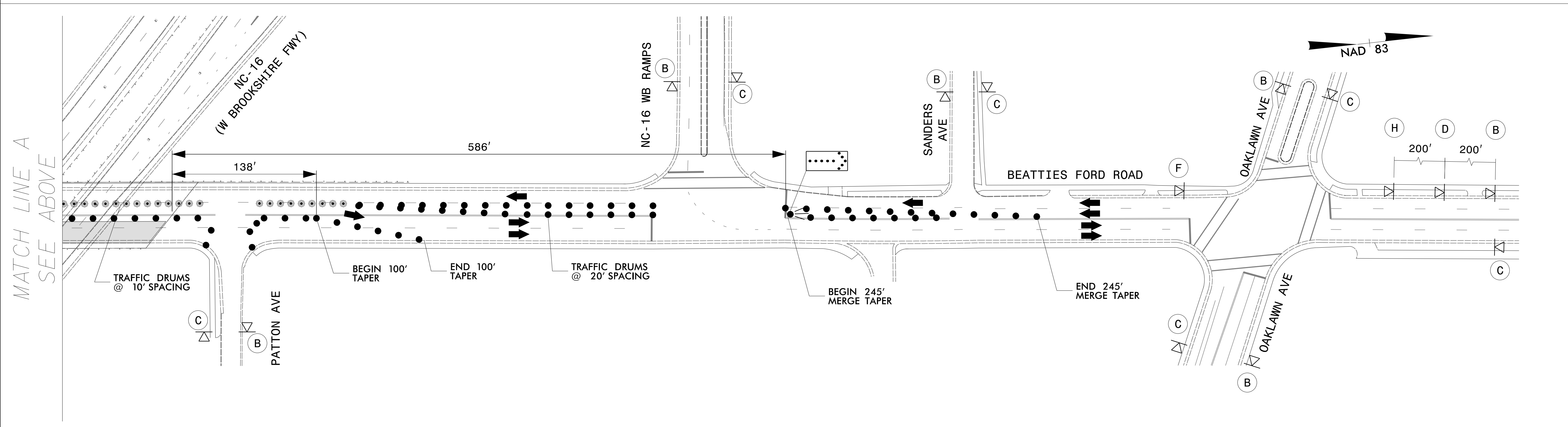
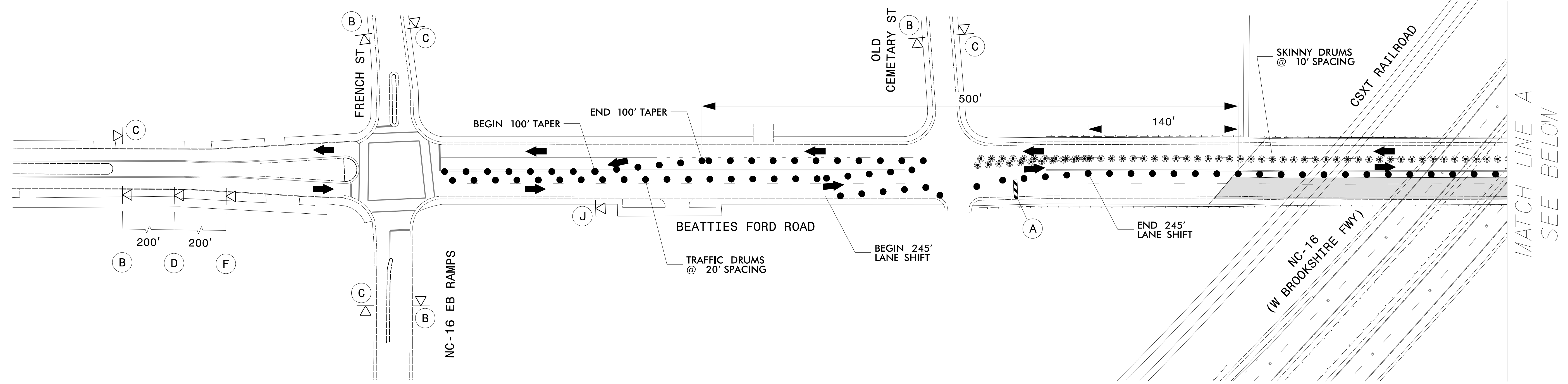
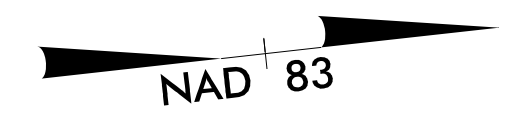
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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

PHASE 1 STEP 2



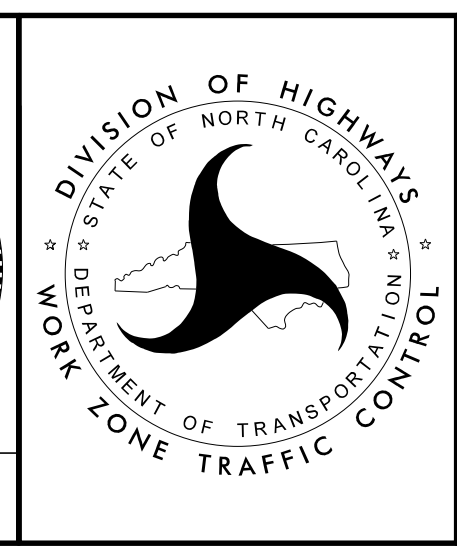
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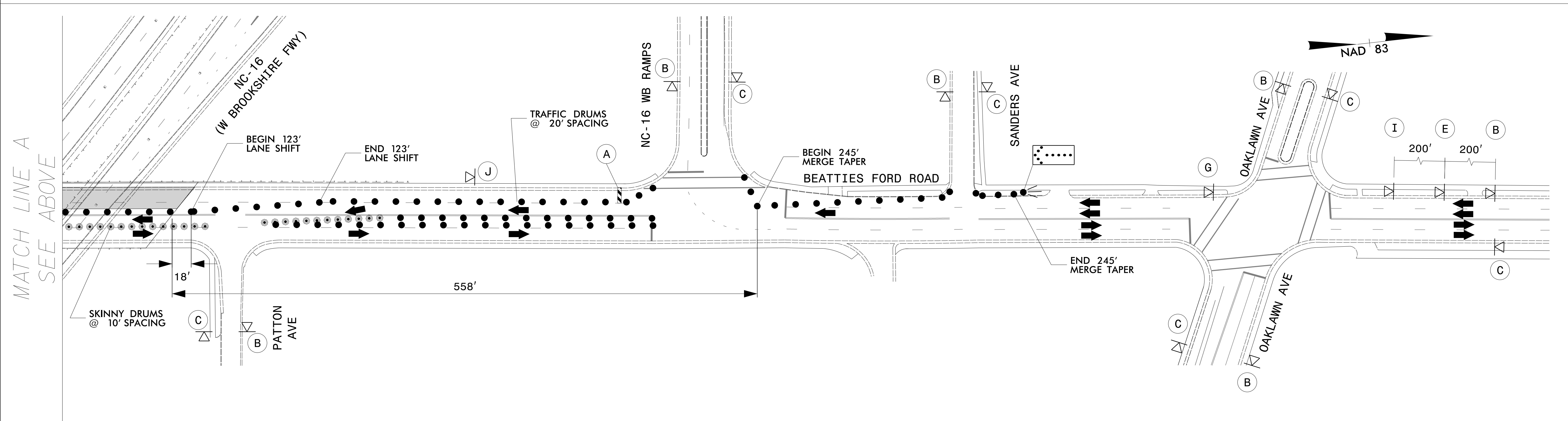
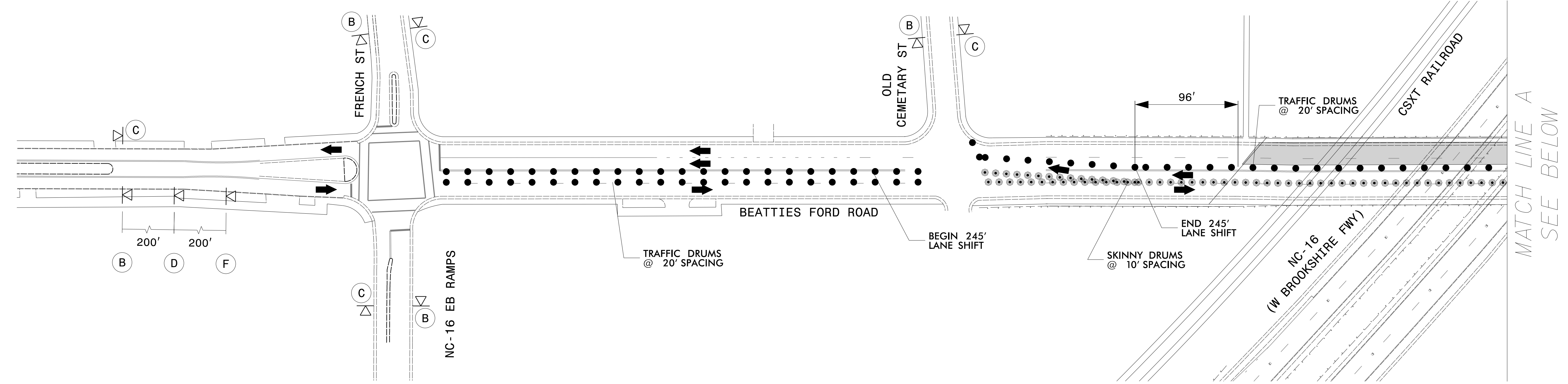
DATE: 5/17/2024

SEAL
034343
ENGINEER
MATTHEW THIGPEN

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PHASE 2 STEP 1A



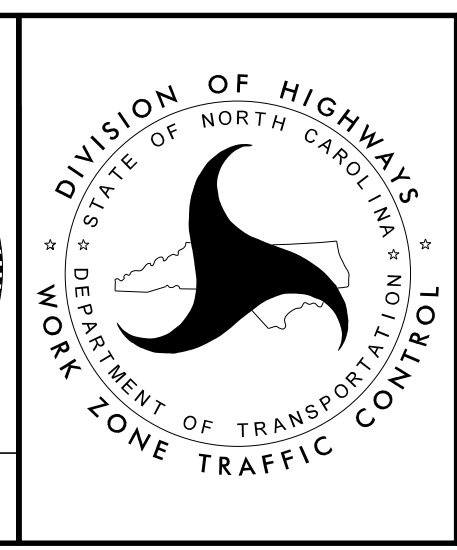
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 User:Matt Thigpen

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7202285F0316433

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SEAL
034343
ENGINEER
MATTHEW THIGPEN

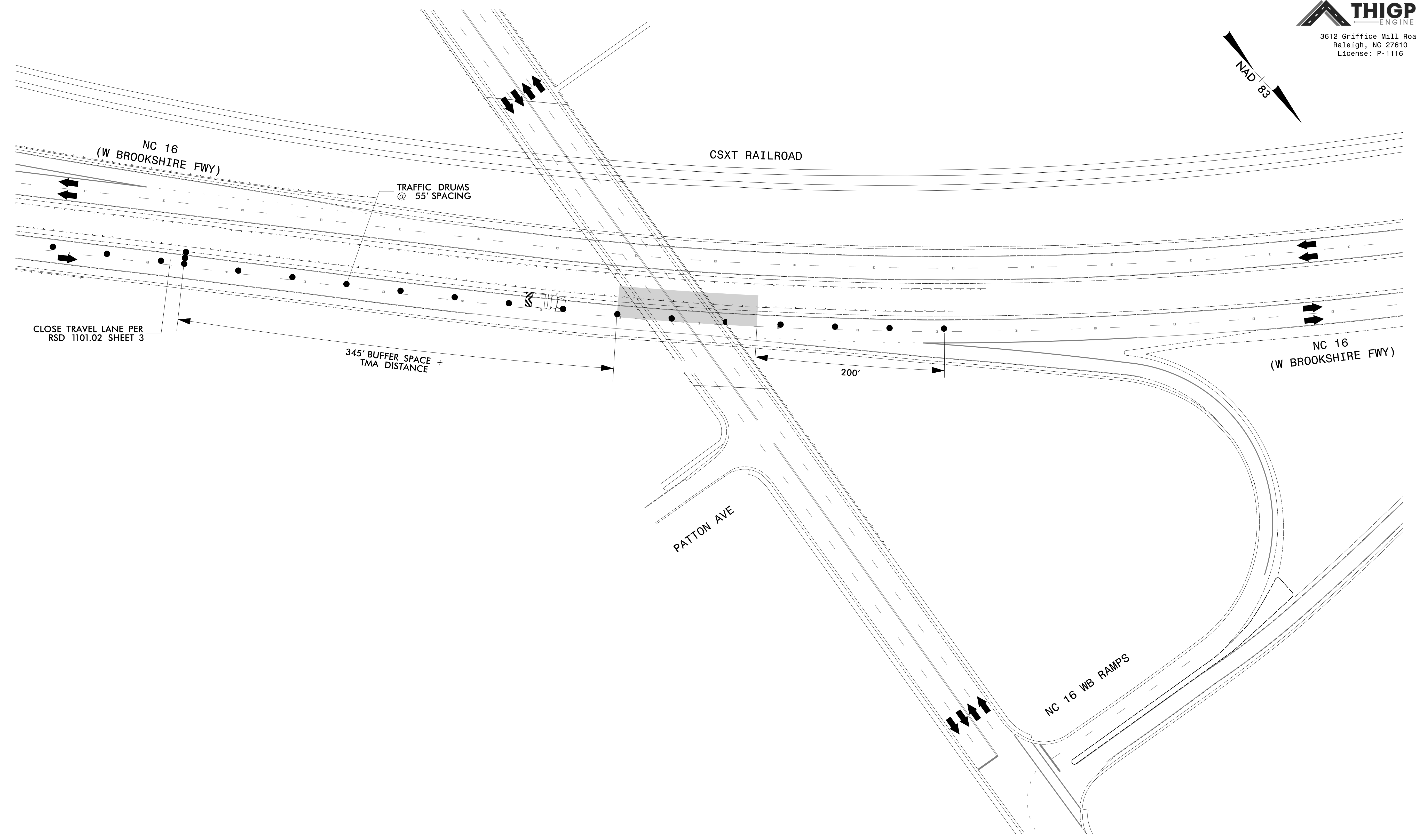
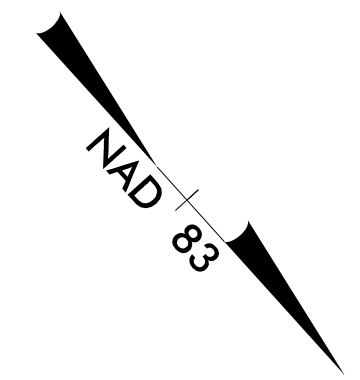
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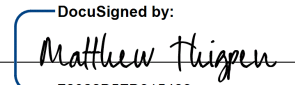
PHASE 2 STEP 1C

PROJ. REFERENCE NO.	SHEET NO.
10BPR.401.1	TMP-9

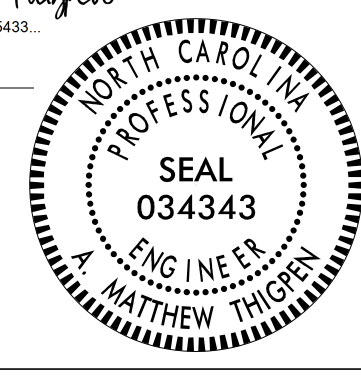
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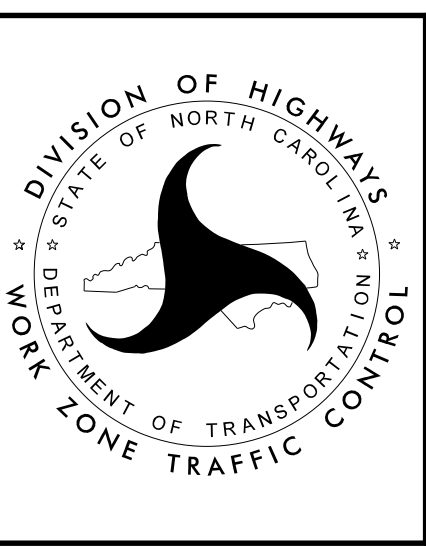
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DocuSigned by: Matthew Thigpen 7202285FD315433

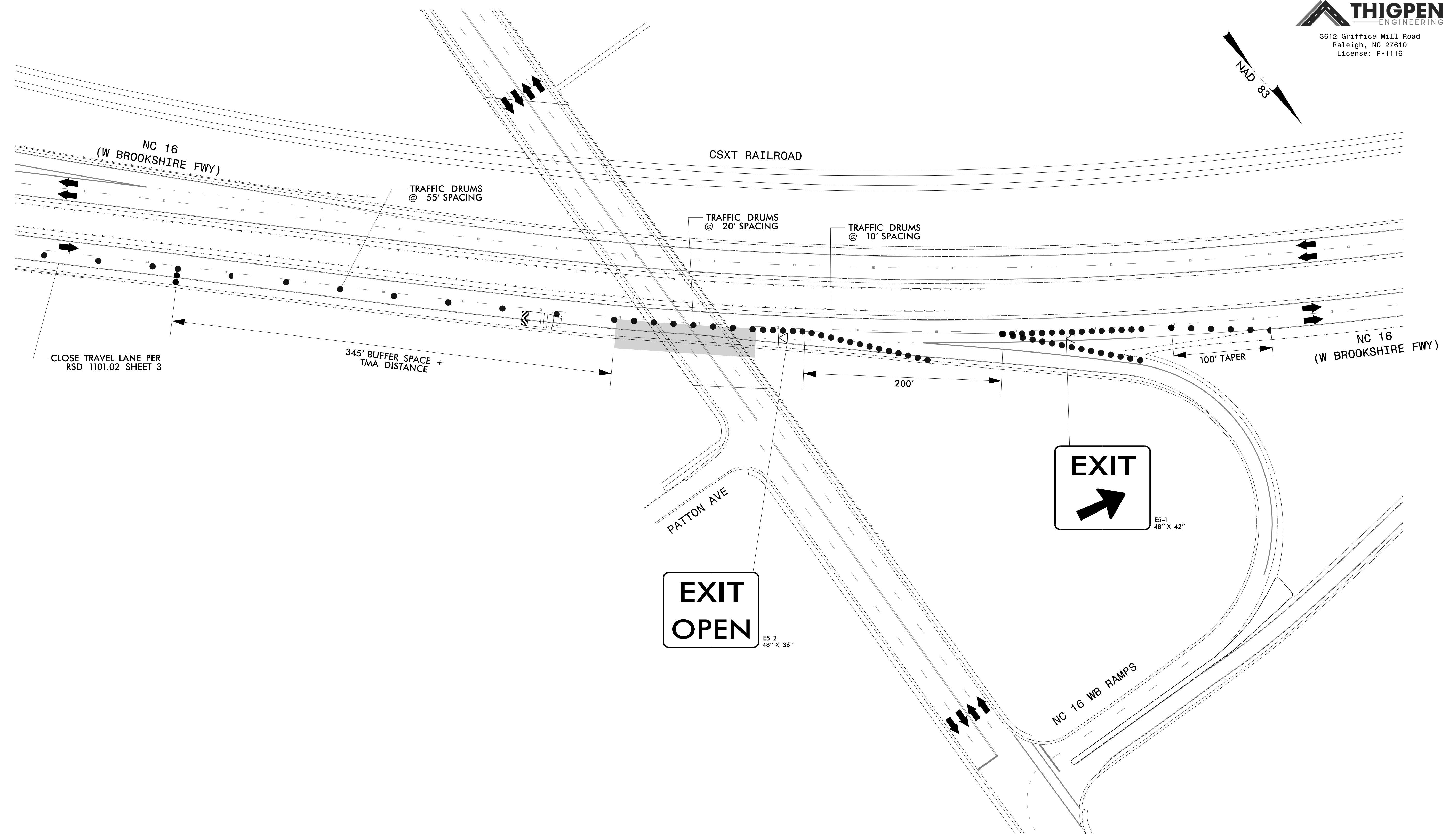
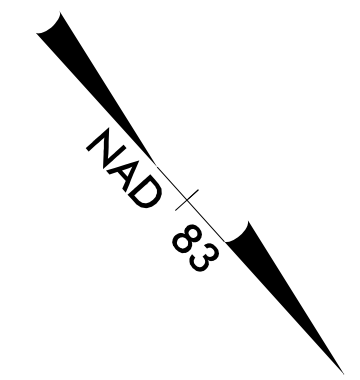
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PHASE 3 STEP 1A



CLOSE TRAVEL LANE PER
RSD 1101.02 SHEET 3

345' BUFFER SPACE +
TMA DISTANCE

200'

100' TAPER



E5-1
48" X 42"



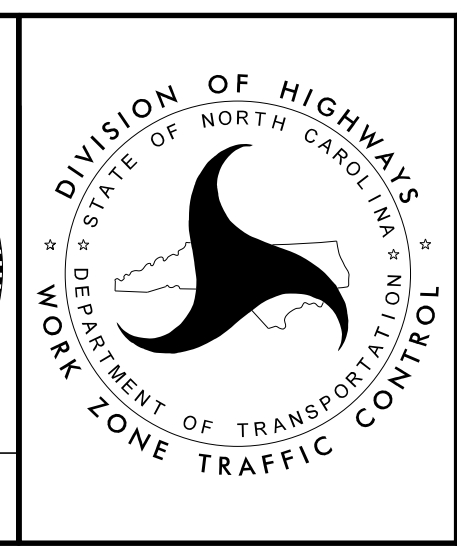
E5-2
48" X 36"

5/31/2024
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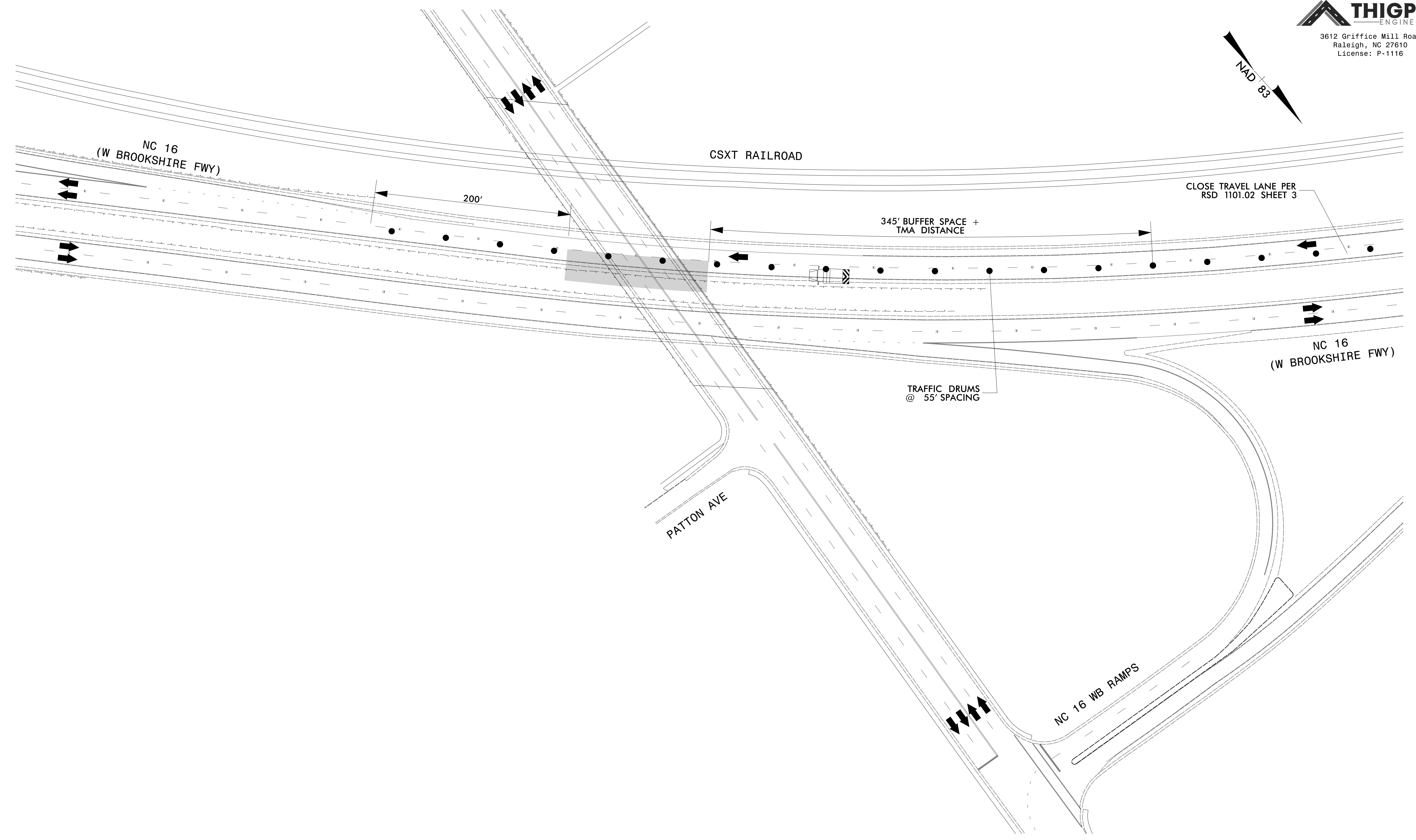
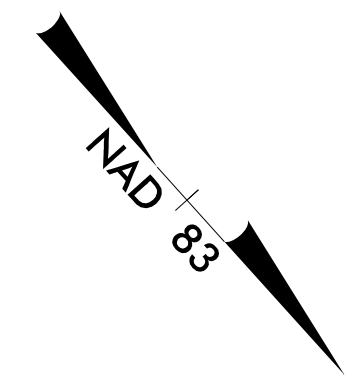
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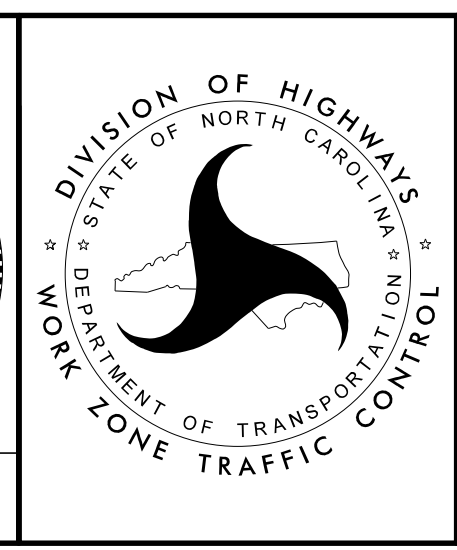
PHASE 3 STEP 1B



5/31/2024
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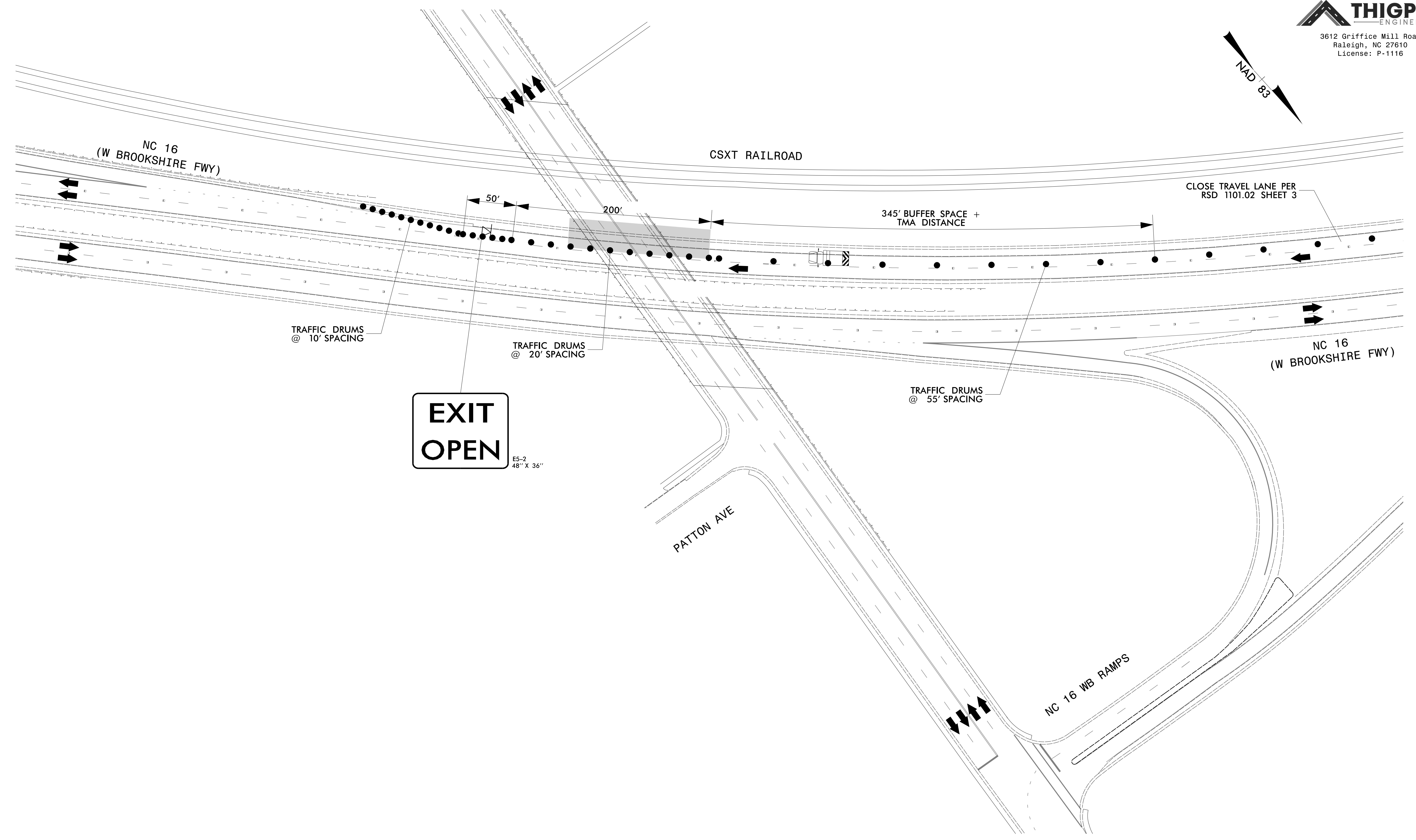
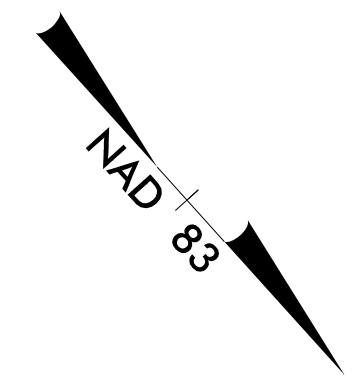
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DATE: 5/17/2024



PHASE 3 STEP 1C

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**EXIT
OPEN**

E5-2
48" X 36"

TRAFFIC DRUMS
@ 10' SPACING

TRAFFIC DRUMS
@ 20' SPACING

TRAFFIC DRUMS
@ 55' SPACING

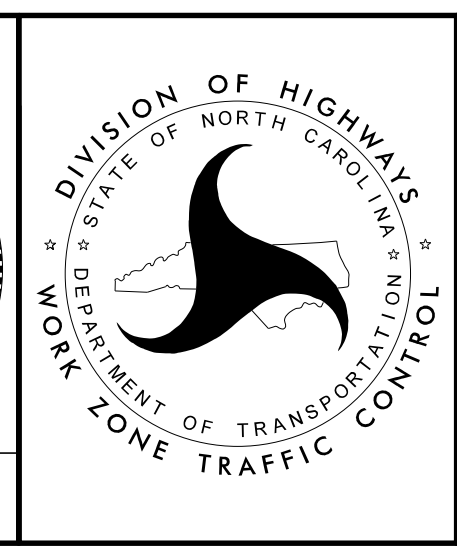
CLOSE TRAVEL LANE PER
RSD 1101.02 SHEET 3

5/31/2024
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 User:Matt_Thigpen

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PHASE 3 STEP 1D