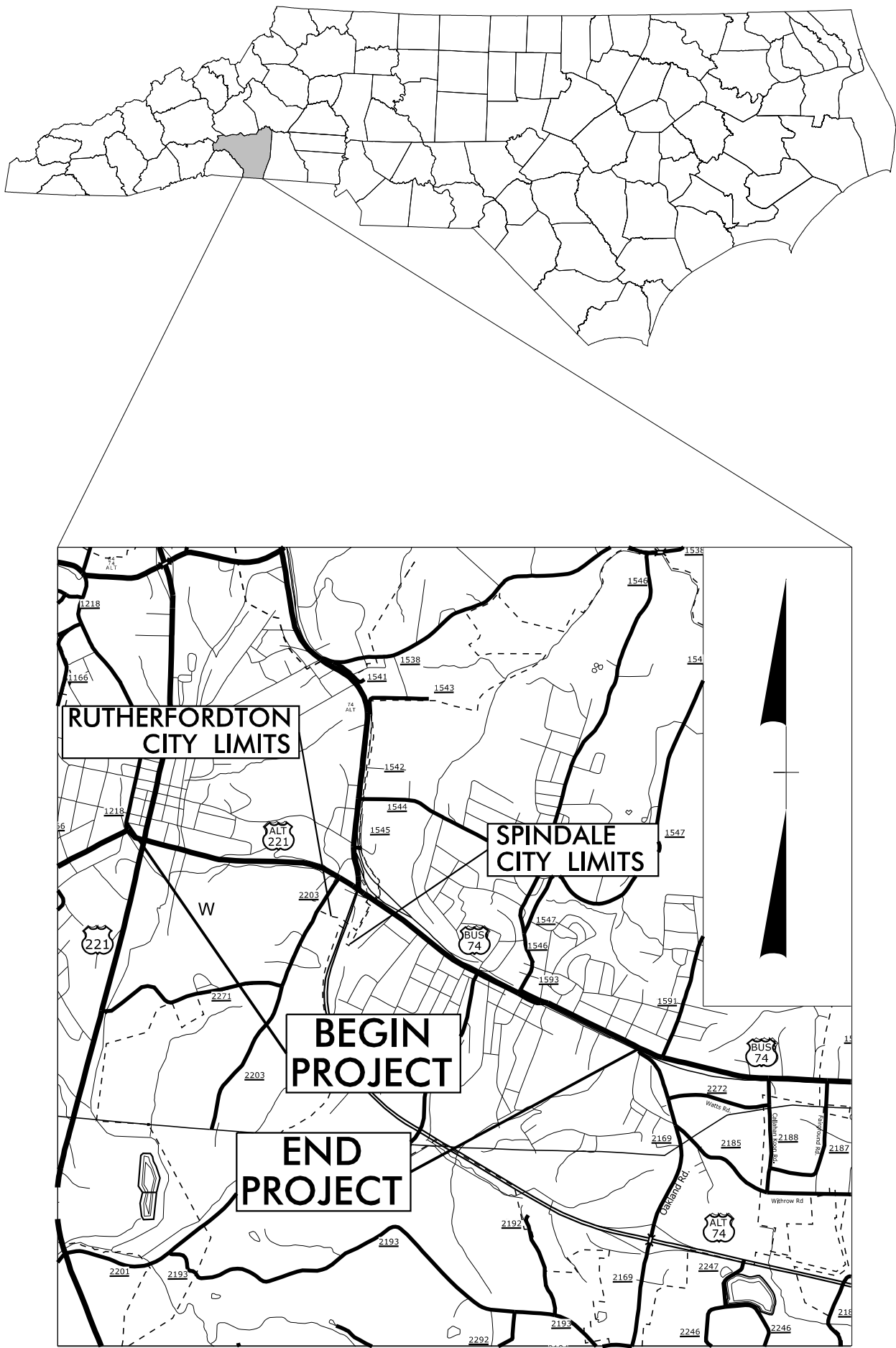


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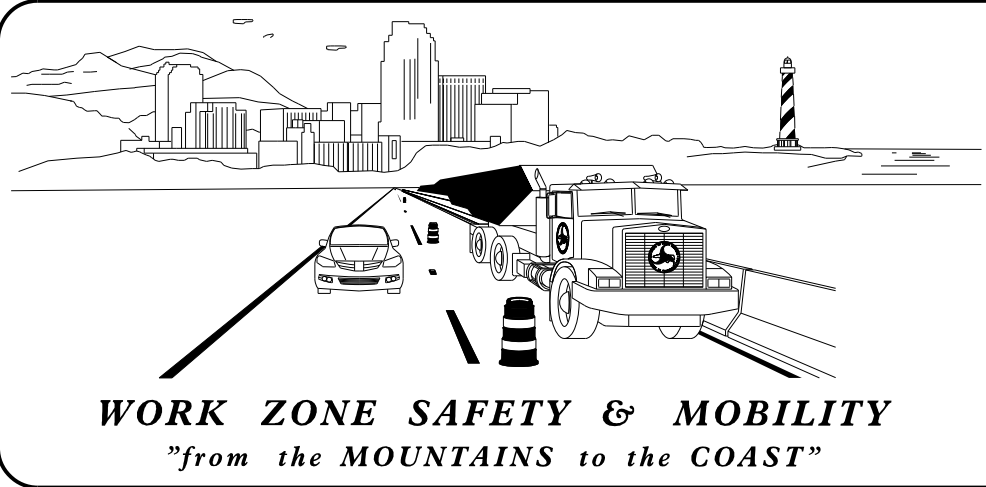
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN
RUTHERFORD COUNTY



LOCATION: *US 221A (CHARLOTTE ROAD/MAIN STREET) IN RUTHERFORDTON.
CONSTRUCT COMPLETE STREET.*

TYPE OF WORK: *DRAINAGE, GRADING, PAVING, SIGNALS*



PLANS PREPARED BY:

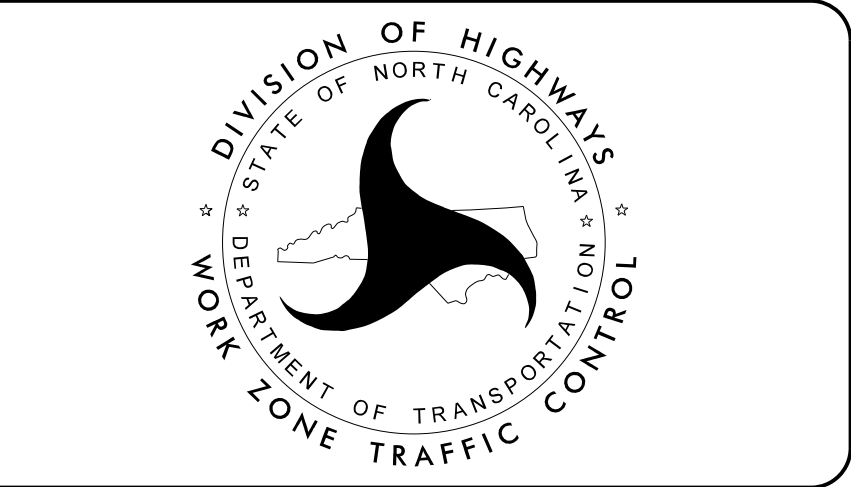
H. SHYU, P.E.
PROJECT ENGINEER

D. O'NEAL, P.E.
PROJECT DESIGN ENGINEER

NCDOT CONTACTS:

H. SMITH
PROJECT MANAGER

R. TRITT
DIVISION TRAFFIC ENGINEER



SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-1B AND 1C	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES AND GENERAL NOTES)
TMP-2	SIDEWALK DETOUR OR DIVERSION TYPICAL
TMP-2A	CROSSWALK CLOSURE AND PEDESTRIAN DETOUR TYPICAL
TMP-2B	OFFSITE DETOUR
TMP-2C	SIGN DESIGN
TMP-3 AND 3A	PHASING
TMP-4 THRU 22	PHASE I DETAILS
TMP-23 THRU 40	PHASE II DETAILS
TMP-41 THRU 45	PHASE III DETAILS
TMP-46 THRU 49	PHASE IIIA DETAILS

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APPROVED:

DATE: 6/10/2026

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HL-0065
TIP PROJECT:

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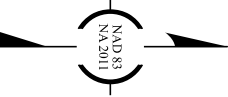
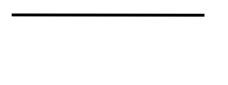
ROADWAY STANDARD DRAWINGS

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

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSSES
1101.06	WARNING SIGNS FOR BLASTING ZONES
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
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD BRIDGES
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1205.16	PAVEMENT MARKINGS - BICYCLE FACILITIES
1205.17	PAVEMENT MARKINGS - SIDE-BY-SIDE/ADJACENT ON/OFF RAMPs
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

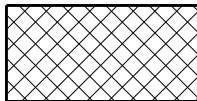
LEGEND

GENERAL

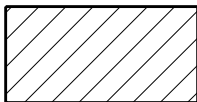
-  DIRECTION OF TRAFFIC FLOW
-  DIRECTION OF PEDESTRIAN TRAFFIC FLOW
-  EXIST. PVMT.
-  NORTH ARROW
-  PROPOSED PVMT.



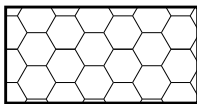
WORK AREA



REMOVAL

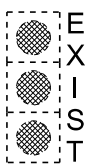


WEDGE/WIDEN (USING LANE CLOSURES)



TEMPORARY WEDGING / REPAIR PAVEMENT

SIGNALS



EXISTING



PROPOSED



TEMPORARY

PAVEMENT MARKINGS

-  EXISTING LINES
-  TEMPORARY LINES

TRAFFIC CONTROL DEVICES



BARRICADE (TYPE III)



PEDESTRIAN BARRICADE



CONE



DRUM



SKINNY DRUM



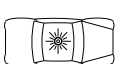
TUBULAR MARKER



FLASHING ARROW BOARD



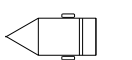
FLAGGER



LAW ENFORCEMENT



TRUCK MOUNTED ATTENUATOR (TMA)



CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

-  PORTABLE SIGN
-  STATIONARY SIGN

TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION
PAINT (4")	
P1	WHITE EDGELINE
P2	WHITE SOLID LANE LINE
P3	10 FT. WHITE SKIP
P4	3 FT. - 9 FT./SP WHITE MINISKIP
P5	2 FT. - 6 FT./SP WHITE MINISKIP
P10	YELLOW EDGELINE
P11	YELLOW SINGLE CENTER
P12	10FT. YELLOW SKIP
P13	YELLOW DOUBLE CENTER
P14	2 FT. - 6 FT./SP YELLOW MINISKIP
PAINT (8")	
P40	WHITE GORELINE
P41	WHITE DIAGONAL
P42	YELLOW DIAGONAL
P43	WHITE SOLID LANE LINE
P44	3 FT. - 9 FT./SP WHITE MINISKIP
P45	3 FT. - 3 FT./SP WHITE MINISKIP
P46	WHITE CROSSWALK LINE
PAINT (24")	
P61	WHITE STOP BAR
P62	WHITE CROSSWALK LINE
PAINT	



LEFT TURN ARROW



RIGHT TURN ARROW



STRAIGHT ARROW



COMBO. LEFT/STRAIGHT ARROW



COMBO. RIGHT/STRAIGHT ARROW



U-TURN ARROW

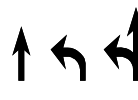


ALPHANUMERIC CHARACTER



24" YIELD LINE TRIANGLE

PAVEMENT MARKING ARROW SYMBOLS



PAVEMENT MARKING ARROW SYMBOLS



EXISTING MARKING ARROW SYMBOLS



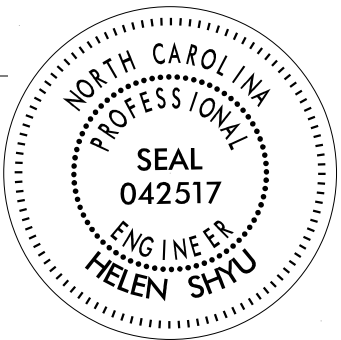
HNTB NORTH CAROLINA, P.C.
4000 Center at North Hills Street
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554

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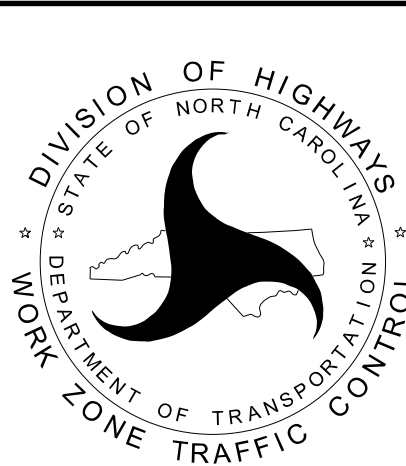
Helen Shyu
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DATE: 6/11/2026

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TRANSPORTATION
MANAGEMENT PLAN

ROADWAY STANDARD
DRAWINGS AND
LEGEND

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User:rgarodriguez

MANAGEMENT STRATEGIES

TEMPORARY TRAFFIC CONTROL (TTC):
TRAFFIC CONTROL STRATEGIES

- CONSTRUCTION STAGING
- LANE CLOSURES, WIDTH REDUCTIONS, OR SHIFTS
- ONE-LANE, TWO WAY OPERATION
- HOURLY RESTRICTIONS FOR LANE CLOSURE AND SHOULDER CLOSURES
- WORK HOUR RESTRICTIONS FOR PEAK HOUR TRAFFIC
- PEDESTRIAN / BICYCLE ACCESS IMPROVEMENTS
- NIGHT WORK
- WEEKEND WORK
- OFF-SITE DETOURS

TRAFFIC CONTROL DEVICES

- CHANNELIZING DEVICES (DRUMS AND CONES)
- BARRICADES (PEDESTRIAN)
- TEMPORARY SIGNS
- ARROW PANELS
- CHANGEABLE MESSAGE SIGNS
- TEMPORARY TRAFFIC SIGNALS
- FLAGGERS
- LAW ENFORCEMENT OFFICERS
- TEMPORARY PAVEMENT MARKINGS

PROJECT COORDINATION, CONTRACTING AND INNOVATIVE CONSTRUCTION STRATEGIES

- PROJECT COORDINATION

TRANSPORTATION OPERATIONS (TO):

DEMAND MANAGEMENT STRATEGIES

- PEDESTRIAN TRANSPORT SERVICE

CORRIDOR / NETWORK MANAGEMENT STRATEGIES

- TEMPORARY TRAFFIC SIGNALS
- STREET/INTERSECTION IMPROVEMENTS
- PARKING RESTRICTIONS
- COORDINATION WITH ADJACENT CONSTRUCTION SITES (R-2233BB)

WORK ZONE SAFETY MANAGEMENT STRATEGIES

- TEMPORARY TRAFFIC SIGNALS
- CONSTRUCTION SAFETY SUPERVISORS/INSPECTORS

TRAFFIC/INCIDENT MANAGEMENT AND ENFORCEMENT STRATEGIES

- TRANSPORTATION MANAGEMENT CENTER (TMC)
- LOCAL DETOUR ROUTES

PUBLIC INFORMATION (PI):

PUBLIC AWARENESS STRATEGIES

- PRESS RELEASES/MEDIA ALERTS
- PUBLIC HEARINGS/MEETINGS
- COORDINATIONS WITH MEDIA/EMERGENCY SERVICES/SCHOOLS/BUSINESSES

MOTORISTS INFORMATION STRATEGIES

- CHANGEABLE MESSAGE SIGNS
- TRANSPORTATION MANAGEMENT CENTER (TMC)

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
-L1- (S WASHINGTON ST), -L2- (CHARLOTTE RD/W MAIN ST) WEST OF R-2233BB, AND -L3- EAST OF -Y9-	MONDAY THRU FRIDAY 6:00 AM - 9:00 AM AND 4:00 PM - 6:00 PM
-L2- (CHARLOTTE RD/W MAIN ST) EAST OF R-2233BB, -L3- (W MAIN ST) WEST OF -Y9-, AND -Y7-/-Y8- (RAILROAD AVE/COLLEGE AVE)	MONDAY THRU FRIDAY 7:00 AM TO 6:30 PM
ANY OTHER ROAD	MONDAY THRU FRIDAY 6:00 AM - 9:00 AM 4:00 PM - 6:00 PM

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

ROAD NAME
ANY ROADS
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 6:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 6:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 6:00 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 6:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 6:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- FOR MAYFEST SPRING FESTIVAL EVENT, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE EVENT AND 6:00 A.M. THE MONDAY AFTER THE EVENT.
- FOR CHERRY BOUNCE FESTIVAL EVENT, BETWEEN THE HOURS OF 6:00 P.M. THE THURSDAY BEFORE THE EVENT AND 6:00 A.M. THE MONDAY AFTER THE EVENT.

11. FOR HOT NIGHTS COOL RIDES CAR SHOW EVENT, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE EVENT AND 6:00 A.M. THE MONDAY AFTER THE EVENT.

12. FOR HILLTOP FALL FESTIVAL EVENT, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE EVENT AND 6:00 A.M. THE MONDAY AFTER THE EVENT.

13. FOR RUTHERFORD FOOD ART AND BREW (FAB) EVENTS, BETWEEN THE HOURS OF 6:00 P.M. THE NIGHT OF THE EVENT AND 6:00 A.M. THE SATURDAY AFTER THE EVENT.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
ANY ROAD	5:00 AM TO 12:00 AM (MIDNIGHT)	30 MINUTES FOR TRAFFIC SHIFTS

D) 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

E) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED, OR AS DIRECTED BY THE ENGINEER.

F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.

G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 5 FT OF AN OPEN TRAVEL LANE ON AN UNDIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 10 FT OF AN OPEN TRAVEL LANE ON A DIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

I) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER

J) DO NOT INSTALL MORE THAN 1 MILE OF LANE CLOSURE ON -L1-/-L2-/-L3- (WASHINGTON ST/CHARLOTTE RD/W MAIN ST) MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.

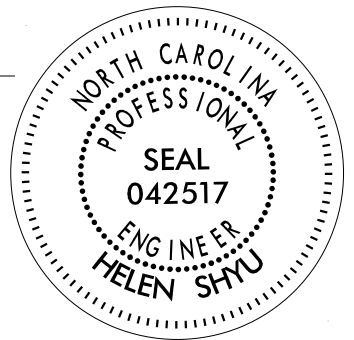
K) PROVIDE A MINIMUM OF 1 MILE BETWEEN LANE CLOSURES, MEASURED FROM THE END OF ONE CLOSURE TO THE FIRST SIGN OF THE NEXT LANE CLOSURE.

L) USE SEQUENTIAL FLASHING WARNING LIGHTS ON DRUMS USED FOR THE MERGING TAPERS OF NIGHTTIME LANE CLOSURES IN ACCORDANCE WITH SECTION 1140 IN THE STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.

M) 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.



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TRANSPORTATION
MANAGEMENT PLAN

MANAGEMENT
STRATEGIES AND
GENERAL NOTES

HL-0065_TC_1B NOTES.den 6/9/2026 9:48:24 AM

PAVEMENT EDGE DROP OFF REQUIREMENTS

- N) 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 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.

- O) 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 ONCE EVERY HALF MILE THOUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- Q) 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.

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

- S) 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 CONTROL DEVICES

- T) 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.

- U) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS, CONES, OR SKINNY DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT (ON ASPHALT) COLD APPLIED PLASTIC	TEMPORARY RAISED TEMPORARY RAISED

- W) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.

- X) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

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

- Z) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH THE PROPER COLOR PRIOR TO INSTALLATION. PLACE SKINNY DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION.

MISCELLANEOUS

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

- BB) 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) (350 FT) AND (700 FT) RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

- CC) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.

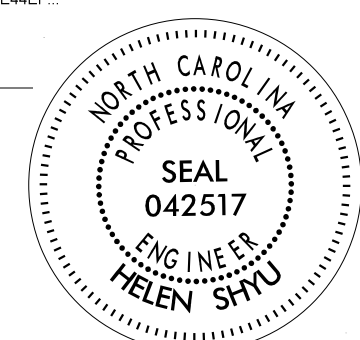
- DD) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).

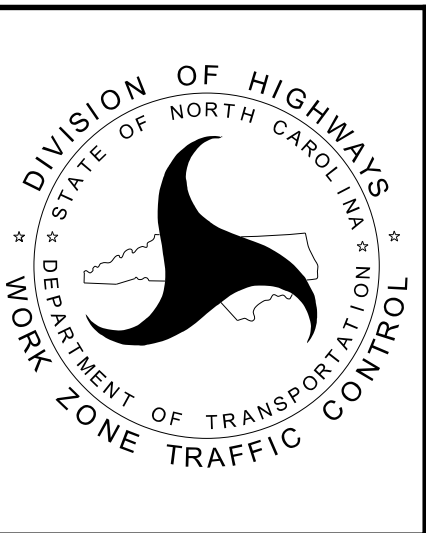
- EE) COORDINATE WITH RUTHERFORD COUNTY TRANSIT, TOWN OF RUTHERFORDTON, TOWN OF SPINDALE, TOWN OF RUTHERFORDTON EMS, AND TOWN OF SPINIDALE EMS TO MAINTAIN ACCESS AND MINIMIZE IMPACTS.

9:48:25 AM
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User:rgarodriguez



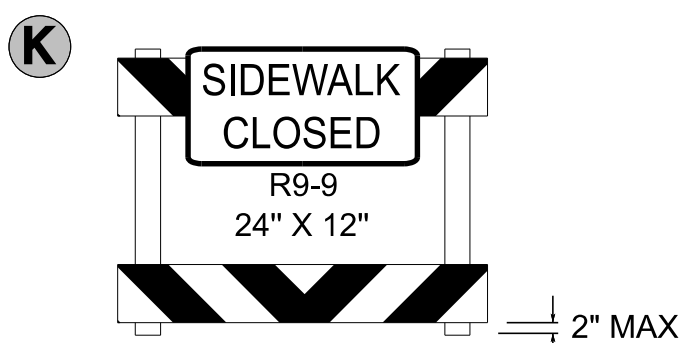
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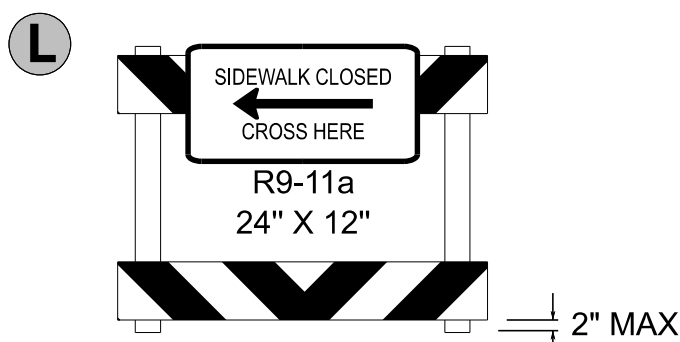


TRANSPORTATION MANAGEMENT PLAN
MANAGEMENT STRATEGIES AND GENERAL NOTES

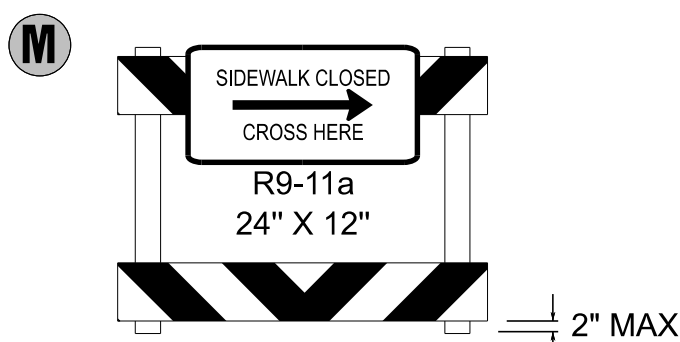
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HL-0065	TMP - 2



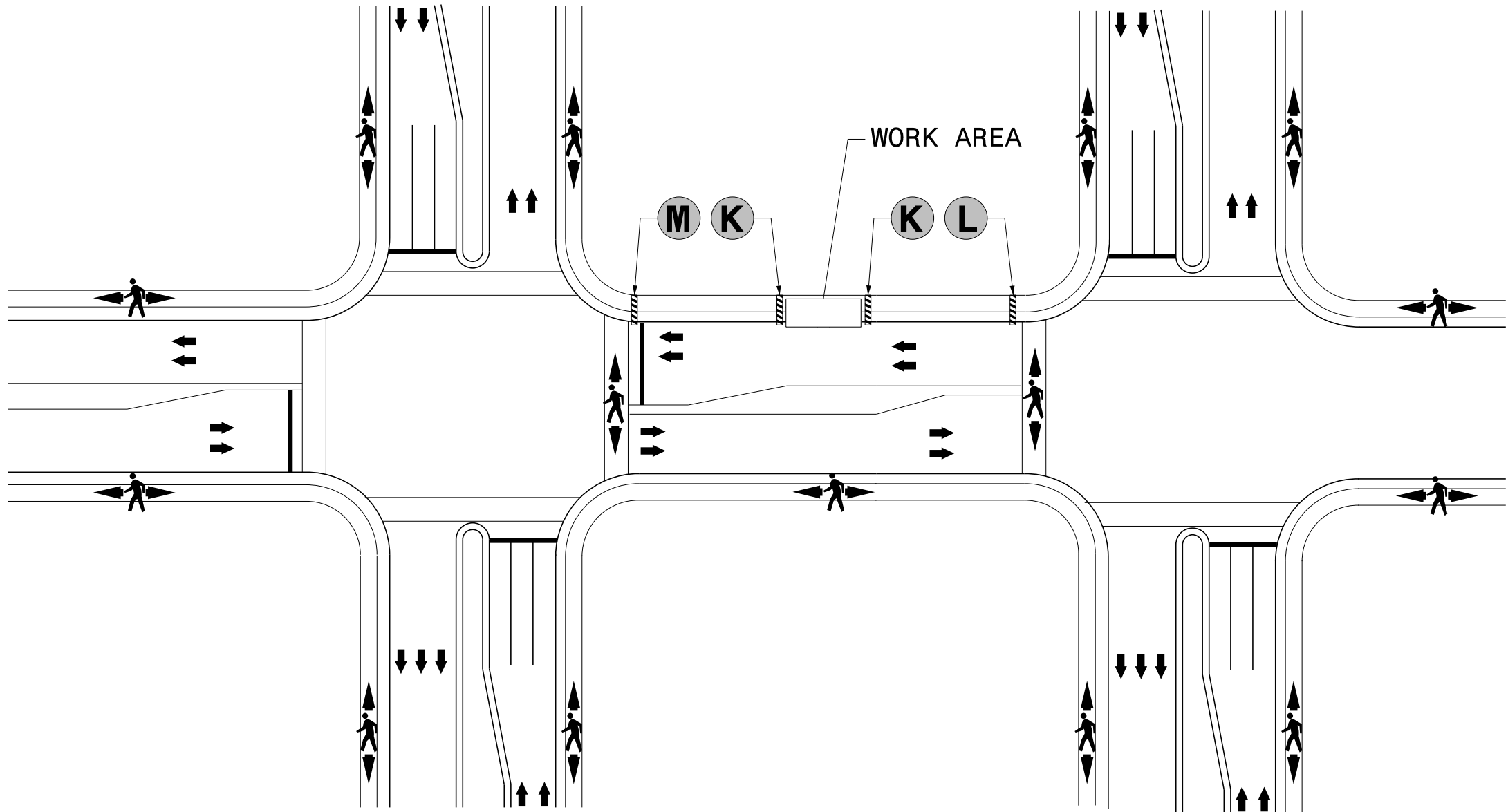
PEDESTRIAN BARRICADE
MUST BE ADA-COMPLIANT



PEDESTRIAN BARRICADE
MUST BE ADA-COMPLIANT

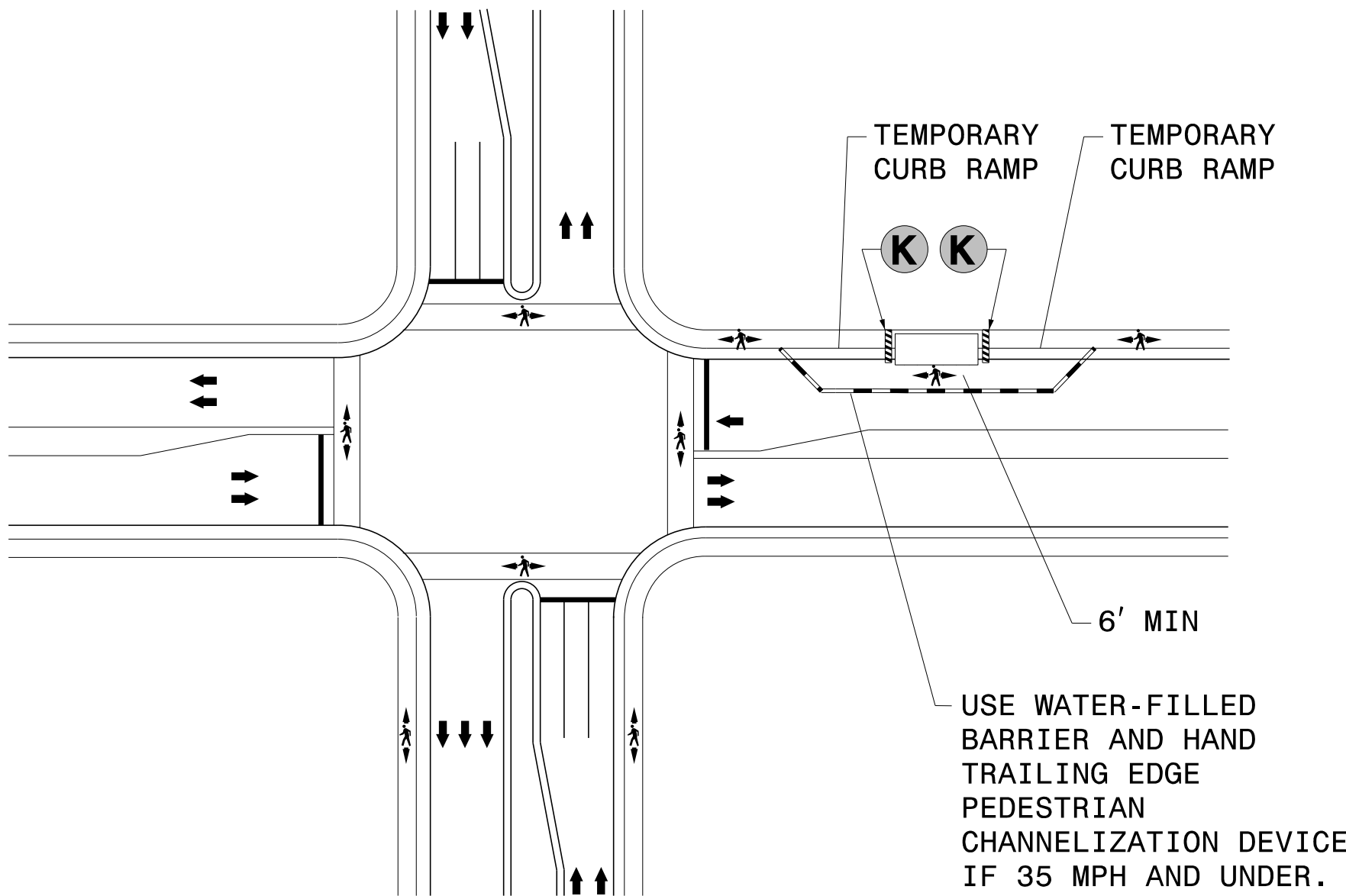


PEDESTRIAN BARRICADE
MUST BE ADA-COMPLIANT



SIDEWALK DETOUR

1. SEE MUTCD PART 6H FOR APPLICATION DETAILS.
2. AUDIBLE WARNING DEVICES SHALL BE USED WHERE MIDBLOCK CLOSINGS AND CHANGED CROSSWALK AREAS CAUSE INADEQUATE COMMUNICATION TO BE PROVIDED TO PEDESTRIANS WHO HAVE VISUAL DISABILITIES.



SIDEWALK DIVERSION

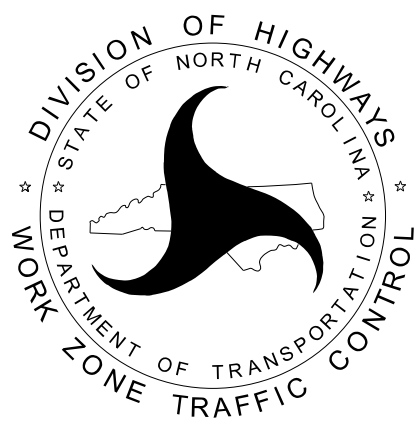
1. UTILIZE SIDEWALK DIVERSION (OVER DETOUR) WHERE SPACE IS AVAILABLE AND WHEN TIME RESTRICTION ALLOWS, ESPECIALLY WHEN DISTANCE BETWEEN CROSSWALKS ARE 0.25 MILES OR MORE. OTHERWISE, CONSIDER UTILIZING TRANSPORTATION SERVICE.
2. SEE MUTCD PART 6H FOR APPLICATION DETAILS.
3. IF NECESSARY, CRASH CUSHIONS SHOULD BE UTILIZED WITH TRAFFIC BARRIER TO SEPARATE THE TEMPORARY SIDEWALK FROM VEHICULAR TRAFFIC.
4. ONLY THE TTC DEVICES RELATED TO PEDESTRIANS ARE SHOWN. OTHER DEVICES, SUCH AS LANE CLOSURE SIGNING OR ROAD NARROWS SIGNS, MAY BE USED TO CONTROL VEHICULAR TRAFFIC.

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User:igorodriguez



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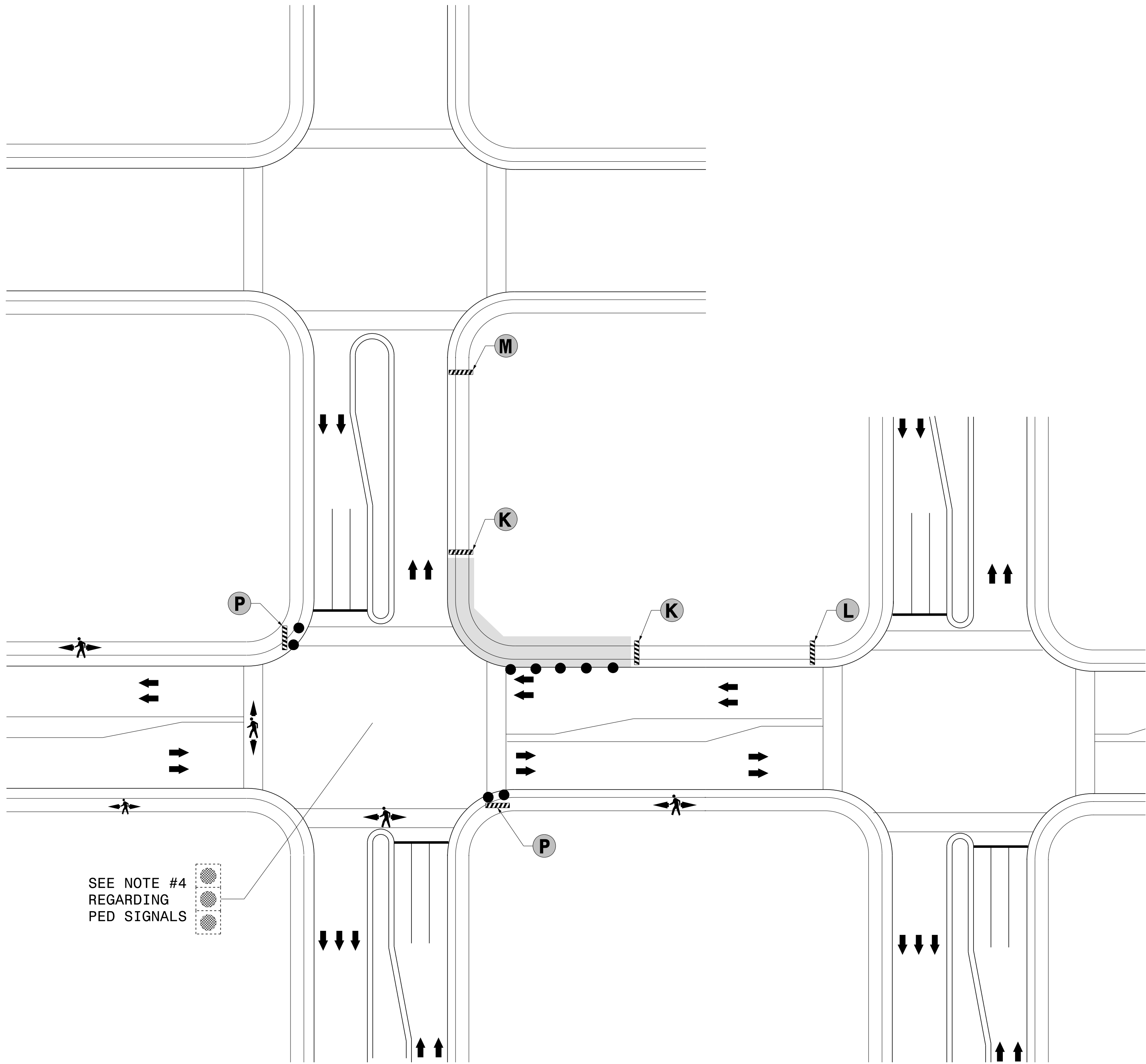
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TRANSPORTATION
MANAGEMENT PLAN

SIDEWALK DETOUR
OR DIVERSION TYPICAL

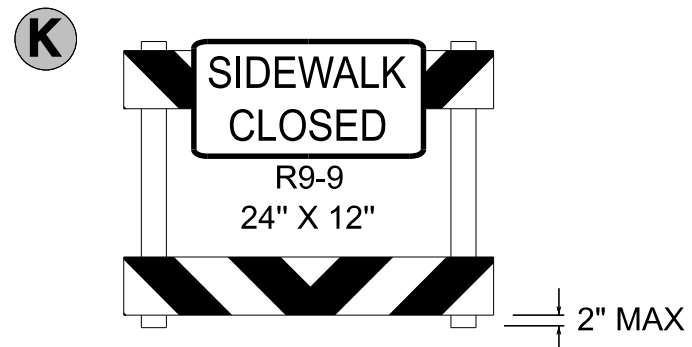
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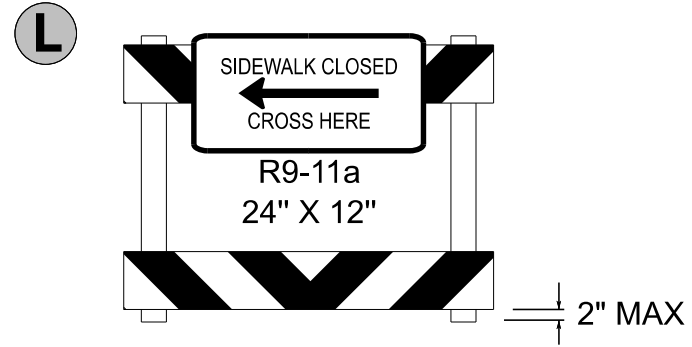
SEE NOTE #4
REGARDING
PED SIGNALS

CROSSWALK CLOSURE AND PEDESTRIAN DETOUR

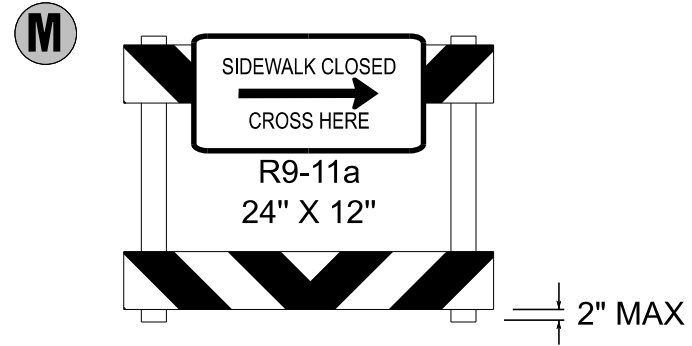
1. SEE MUTCD PART 6H FOR APPLICATION DETAILS.
2. CURB PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MIDBLOCK CROSSWALK.
3. AUDIBLE WARNING DEVICES SHALL BE USED WHERE MIDBLOCK CLOSINGS AND CHANGED CROSSWALK AREAS CAUSE INADEQUATE COMMUNICATION TO BE PROVIDED TO PEDESTRIANS WHO HAVE VISUAL DISABILITIES.
4. PEDESTRIAN TRAFFIC SIGNAL DISPLAYS CONTROLLING CLOSED CROSSWALKS SHOULD BE COVERED OR DEACTIVATED.



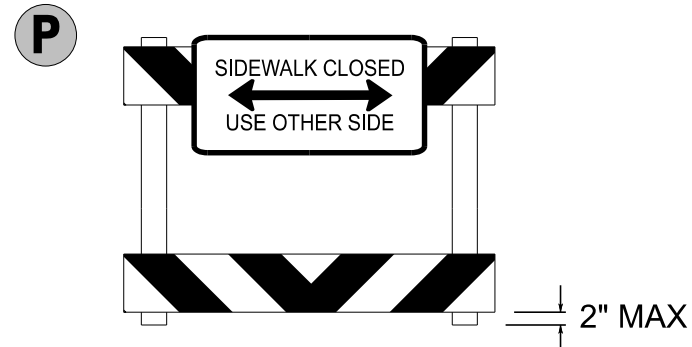
PEDESTRIAN BARRICADE
MUST BE ADA-COMPLIANT



PEDESTRIAN BARRICADE
MUST BE ADA-COMPLIANT



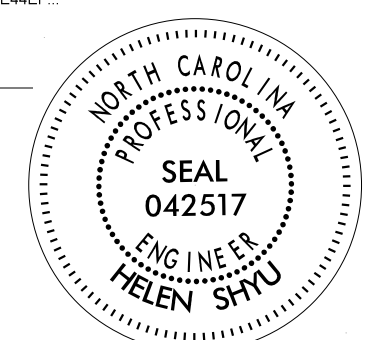
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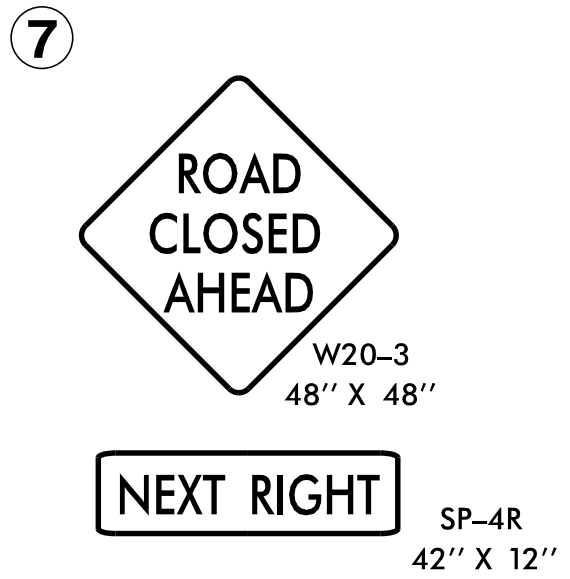
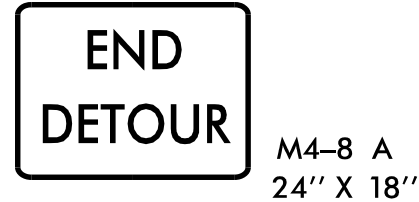
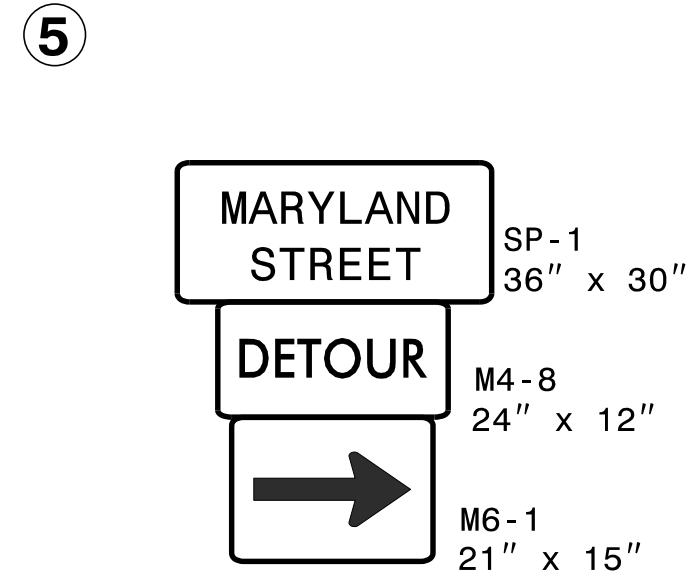
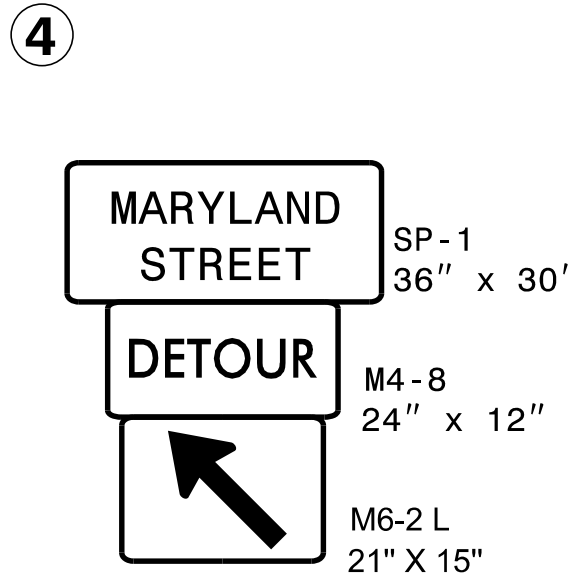
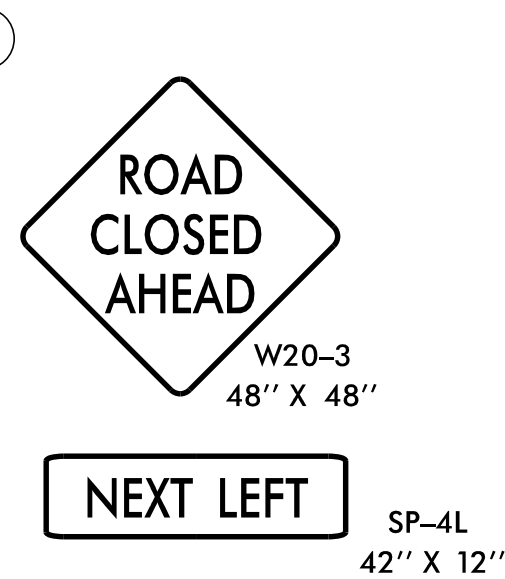
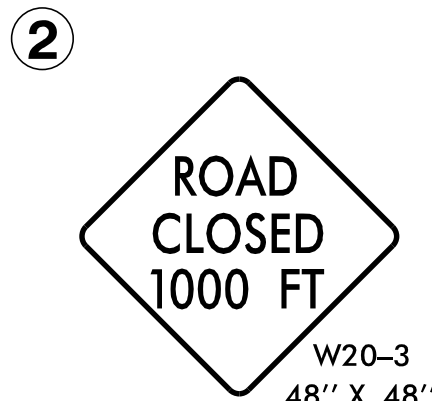
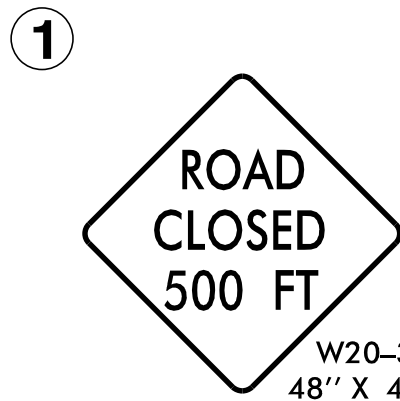
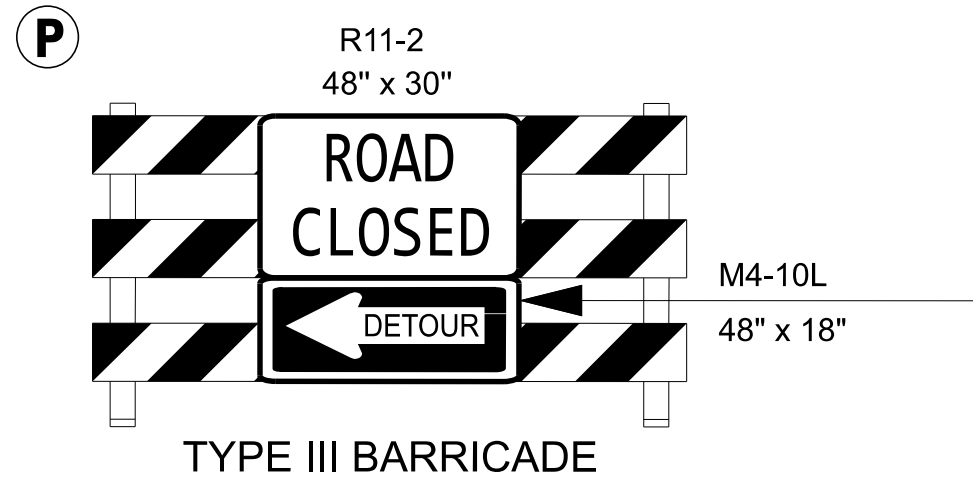
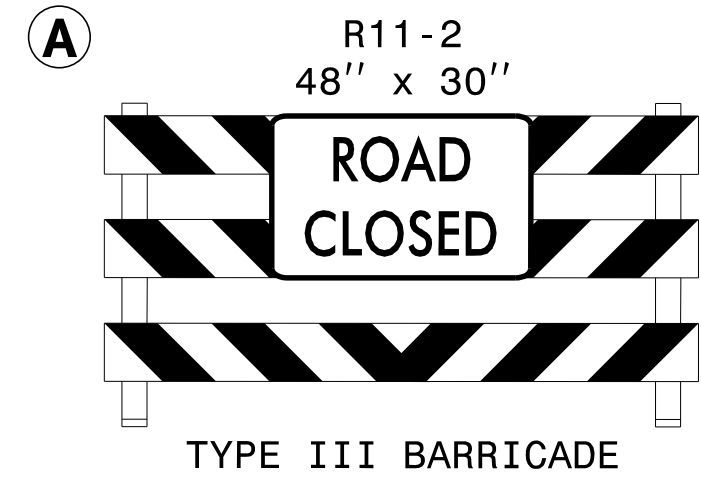
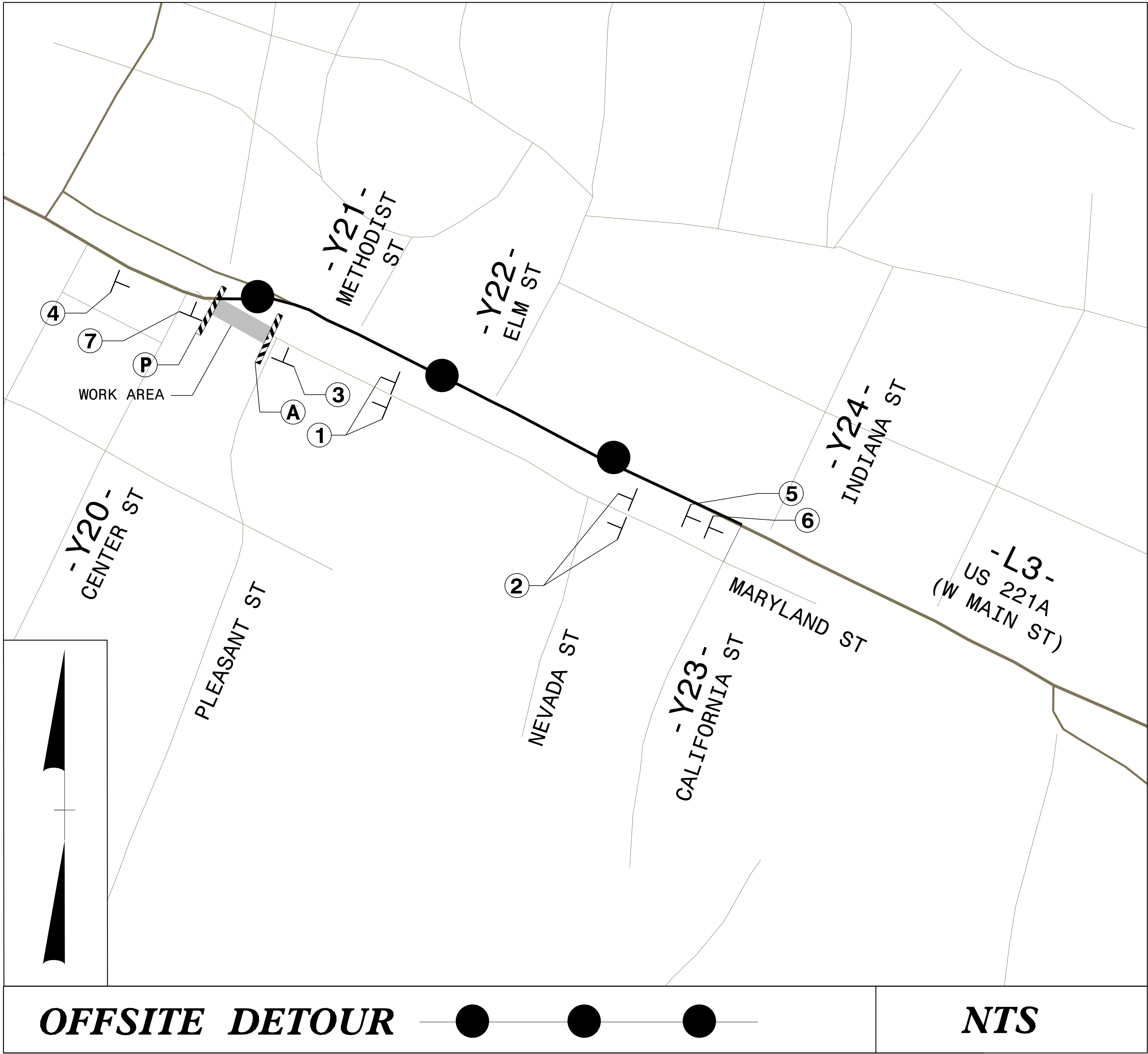
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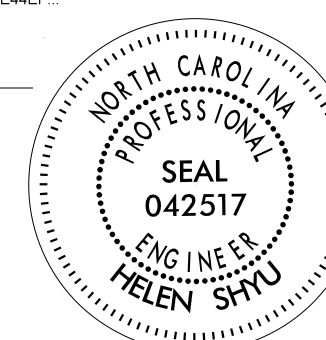
CROSSWALK CLOSURE
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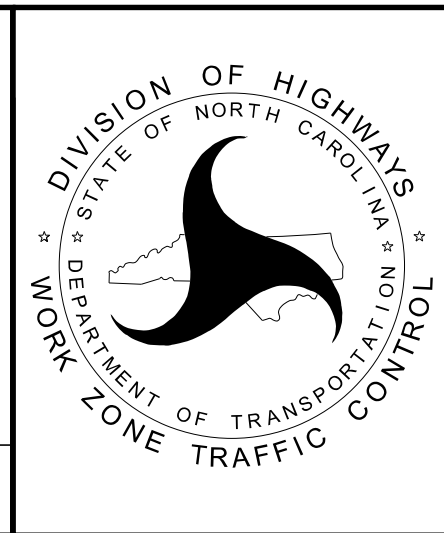
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HL-0065	TMP - 2B



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TRANSPORTATION
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OFFSITE
DETOUR

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APPROVED: <u>Helen Shyu</u> (E-1597540)E44EF DATE: <u>6/10/2026</u> SEAL		TRANSPORTATION MANAGEMENT PLAN SIGN DESIGN
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HL-0065	TMP-3

PHASING

NOTES:

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.

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

COMPLETE ANY PROPOSED WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE. THIS MAY REQUIRE A COMBINATION OF INSTALLATION OF PROPOSED PIPES, TEMPORARY PIPES, STEEL PLATES, AND TEMPORARY DITCHES.
CONSTRUCT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE IN ALL PHASES UNTIL STATED TO INSTALL FINAL LAYER IN THE PHASING.

THE TERM RSD DENOTES *ROADWAY STANDARD DRAWINGS*.

PHASE I

STEP 1: USING RSD 1101.01 (SHEET 2 AND 3 OF 3), INSTALL WORK ZONE ADVANCE WARNING SIGNS ON -L1-/-L2-, -L2-/-L3-, AND -Y7-/-Y8-.

NOTE: PHASE I STEPS 2 THRU 4 MAY BE DONE IN ANY ORDER.

STEP 2: RUTHERFORDTON: COMPLETE PHASE I STEP 2A, THEN COMPLETE PHASE I STEPS 2B THRU 2D IN ANY ORDER.

STEP 2A: SHIFT TRAFFIC TO PHASE I PATTERN: INSTALL AND COVER THE FOLLOWING TEMPORARY SIGNALS:
- -L1-/-L2- (US 221A) AND -Y1-/-Y2- (N. MAIN ST)
- -L2- (US 221A)
COORDINATE WITH R-2233BB, THEN USE RSD 1101.02 (SHEET 1, 2, 3, AND 7 OF 19) AND LAW ENFORCEMENT AS NEEDED TO INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY SIGNS AS SHOWN ON TMP-4 THRU TMP-8. UNCOVER TEMPORARY SIGNALS AND SHIFT TRAFFIC TO TEMPORARY PATTERN.

STEP 2B: -L1- (RT) AT MAPLE STREET: INSTALL PEDESTRIAN BARRICADES AS SHOWN ON TMP-4 AND ACTIVATE PEDESTRIAN TRANSPORT SERVICE. USING RSD 1101.02 (SHEET 2 AND 3 OF 19), CONSTRUCT MEDIAN CONCRETE ISLAND AND -L1- (RT) FROM MAPLE STREET TO STA 16+50+/-.

STEP 2C: -L1-/-L2- (RT) BETWEEN -Y1-/-Y2- AND -Y3-/-Y4-: INSTALL PEDESTRIAN BARRICADES PER TMP-2 FOR SIDEWALK DETOUR TO THE NORTH SIDE OF US 221A BETWEEN MAIN STREET AND CLEGHORN STREET. USING RSD 1101.02 (SHEETS 2 AND 3 OF 19) AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT THE FOLLOWING:
- -L1- AND -Y1-/-Y2- INTERSECTION SOUTHWEST CORNER. (SEE TMP-5)
- -L2- (RT) BETWEEN -Y1-/-Y2- AND -Y3-/-Y4-. (ADJUST PEDESTRIAN BARRICADES AS NEEDED) (SEE TMP-5 AND 6)
o USE PEDESTRIAN TRANSPORT SERVICE OR TEMPORARY CURB RAMP AS NEEDED TO CONSTRUCT -Y3-/-Y4- INTERSECTION SOUTHWEST CORNER.

STEP 2D: -L2- (RT) -Y3-/-Y4- TO -Y5-: INSTALL PEDESTRIAN BARRICADES AS SHOWN ON TMP-6 AND 7 AND ACTIVATE PEDESTRIAN TRANSPORT SERVICE. USING RSD 1101.02 (SHEET 2 AND 3 OF 19) AND PEDESTRIAN TRANSPORT SERVICE, CONSTRUCT -L2- (RT) FROM -Y3-/-Y4- TO -Y5-. (ADJUST PED BARRICADES AS NEEDED)

STEP 3: US 74A TO -Y13- (OHIO STREET): COMPLETE PHASE I STEP 3A AND 3B, THEN COMPLETE PHASE I STEPS 3C THRU 3E IN ANY ORDER.

STEP 3A: -Y7- / -Y8- (US 74A) DRAINAGE: USING RSD 1101.02 (SHEET 3 AND 7 OF 19) AND LAW ENFORCEMENT, CONSTRUCT PROPOSED DRAINAGE ALONG -Y7- AND -Y8-. COVER WITH STEEL PLATE WHERE REQUIRED. (DRAINAGE IS SHOWN FOR CONTRACTOR CONSIDERATION ON TMP-10).
- COORDINATE ACCESS WITH GAS STATION WHEN CONSTRUCTING STRUCTURES 1225, 1203, 1216, 1217, AND 1226. USE LAW ENFORCEMENT TO CLOSE EXISTING EASTBOUND CHANNELIZED RIGHT TURN LANE TO INSTALL PROPOSED DRAINAGE. (EASTBOUND VEHICLES MAY TURN RIGHT FROM CENTER OF INTERSECTION.)
- INSTALL TEMP SIGNAL (PER PHASE I STEP 3B) AND REMOVE EXISTING CONCRETE ISLAND IN INTERSECTION (AND REPAIR PAVEMENT) (PER PHASE I STEP 3E) IF NEEDED TO BE CREATE ACCESS FOR GAS STATION PER DIRECTION OF THE ENGINEER.

STEP 3B: SHIFT TRAFFIC TO PHASE I PATTERN: INSTALL AND COVER TEMPORARY SIGNAL AT -L2- AND -Y7-/-Y8-. COORDINATE WITH R-2233BB, THEN USE RSD 1101.02 (SHEET 1, 2, 3, AND 7 OF 19) AND LAW ENFORCEMENT AS NEEDED TO INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY SIGNS AS SHOWN ON TMP-10 THRU TMP-14. UNCOVER TEMPORARY SIGNAL AND SHIFT TRAFFIC TO TEMPORARY PATTERN.

STEP 3C: -Y8- (US 74A) WIDENING: PLACE PEDESTRIAN BARRICADES FOR PEDESTRIAN TRANSPORT SERVICE AS SHOWN ON TMP-9, 10, AND 22 AND ACTIVATE PEDESTRIAN TRANSPORT SERVICE. USING RSD 1101.02 (SHEET 3 AND 7 OF 19) AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT THE FOLLOWING:
- WIDEN -L2- (RT) FROM -Y6- TO -Y8- AND GRADE TO DRAIN.
- REMOVE EXISTING CONCRETE ISLAND ON -Y8- THEN WEDGE AND WIDEN -Y8-.

STEP 3D: -L3- (RT) WIDENING: PLACE PEDESTRIAN BARRICADES FOR PEDESTRIAN TRANSPORT SERVICE AS SHOWN ON TMP-10 THRU 14 AND ACTIVATE PEDESTRIAN TRANSPORT SERVICE. USING RSD 1101.02 (SHEET 2 AND 3 OF 19), CONSTRUCT -L3- (RT) BETWEEN -Y7-/-Y8- AND -Y13-. (ADJUST PEDESTRIAN BARRICADES AS NEEDED)

STEP 3E: REMOVE -Y7- CONCRETE ISLANDS: AFTER EXISTING POLE AND GUY WIRES ARE REMOVED, USE RSD 1101.02 (SHEET 3 OF 19) AND LAW ENFORCEMENT TO REMOVE EXISTING CONCRETE ISLANDS. (SEE TMP-10) REPAIR PAVEMENT AS NEEDED.

STEP 4: SPINDALE: COMPLETE PHASE I STEP 4A AND 4B IN ANY ORDER.

STEP 4A: -L3- (RT) BETWEEN -Y13- AND -Y15-: COORDINATE WITH THE TOWN OF SPINDALE FOR REGARDING ON-STREET PARKING AND MAINTAINING BUSINESS ACCESS. PLACE PEDESTRIAN BARRICADES FOR PEDESTRIAN TRANSPORT SERVICE AS SHOWN ON TMP-14 AND ACTIVATE PEDESTRIAN TRANSPORT SERVICE. USING RSD 1101.02 (SHEET 1 OF 19) AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT -L3- (RT) BETWEEN -Y13- AND -Y15- WITHOUT PROPOSED INTERSECTION BULB-OUT. (ADJUST PEDESTRIAN BARRICADES AS NEEDED)
- USE PEDESTRIAN TRANSPORT SERVICE OR SIDEWALK DETOUR (TMP-2) WITH TEMPORARY CURB RAMP TO MAINTAIN PEDESTRIANS DURING INTERSECTION CORNER (SOUTHWEST AND SOUTHEAST) TIE-INS.

STEP 4B: -L3- (RT) BETWEEN -Y15- AND -Y16-: COORDINATE WITH THE TOWN OF SPINDALE REGARDING ON-STREET PARKING AND MAINTAINING BUSINESS ACCESS. INSTALL PEDESTRIAN BARRICADES PER TMP-2 FOR SIDEWALK DETOUR TO THERMAL BELT RAIL-TRAIL BETWEEN OAK STREET AND TANNER STREET. USING RSD 1101.02 (SHEET 1 OF 19) AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT -L3- (RT) BETWEEN -Y15- AND -Y16- WITHOUT PROPOSED INTERSECTION BULB OUT. (ADJUST PED BARRICADES AS NEEDED)
- PLACE PEDESTRIAN BARRICADES ON -Y15- AS SHOWN ON TMP-14. USING RSD 1101.02 (SHEET 3 OF 19) AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT -Y15- (LT).

STEP 4C: -L3- (RT) BETWEEN -Y19- AND -Y26-: INSTALL TRAFFIC CONTROL DEVICES PER TMP-2B, CLOSE -Y26- (MARYLAND STREET) BETWEEN -L3- AND PLEASANT STREET AND CONSTRUCT -Y26-. COMPLETE SIDEWALK BETWEEN -Y26- AND THERMAL BELT RAIL-TRAIL BEFORE CONSTRUCTING -L3- BETWEEN -Y19- AND -Y26-.
- TO CONSTRUCT -L3- BETWEEN -Y19- AND -Y26-, INSTALL PEDESTRIAN BARRICADES PER TMP-2 FOR SIDEWALK DETOUR TO THERMAL BELT RAIL-TRAIL BETWEEN TANNER STREET AND NEW CONSTRUCTED SIDEWALK FOR CROSSING ON -Y26-. THEN USE RSD 1101.02 (SHEET 1 AND 2 OF 19) AND LAW ENFORCEMENT AS NEEDED TO CONSTRUCT THE FOLLOWING:
- PLACE TEMPORARY PAVEMENT MARKINGS ON -L3- AS SHOWN ON TMP-16. (NO CHANGE TO EXISTING SIGNAL)
- CONSTRUCT -L3- (RT) BETWEEN -Y19- AND THERMAL BELT RAIL-TRAIL. (TEMP TIE-IN TO EXISTING AND USE TEMPORARY CURB RAMP IF NEEDED TO MAINTAIN RAIL-TRAIL ACCESS) (SEE TMP-16 AND 17)
- CONSTRUCT PROPOSED CURB RAMPS ON SOUTHERN SIDE OF SPINDALE STREET INTERSECTION FOR FUTURE CROSSWALKS.
- -Y26- SIDEWALK BETWEEN -L3- AND PLEASANT STREET. (SEE TMP-17)

STEP 4D: -L3- (RT) BETWEEN -Y26- AND END OF PROJECT: USE RSD 1101.02 (SHEET 1 AND 2 OF 19), CONSTRUCT -L3- (RT) BETWEEN THERMAL BELT RAIL-TRAIL AND OAKLAND ROAD (SEE TMP-17 THRU 20) INCLUDING THE FOLLOWING:
- SIDEWALK BETWEEN THERMAL BELT RAIL-TRAIL AND -L3- NEAR CALIFORNIA STREET / INDIANA STREET (SEE TMP-19)
- PROPOSED TRANSIT STOP AND SIDEWALK NEAR OAKLAND ROAD (SEE TMP-20)

PHASE II

NOTE: PHASE II MAY BE DONE AT THE SAME TIME AS PHASE I UNLESS STATED OTHERWISE.

STEP 1: RUTHERFORDTON: COMPLETE PHASE I STEP 2 AND OPEN SIDEWALKS. COMPLETE PHASE II STEP 1A, THEN COMPLETE PHASE II STEPS 1B THRU 1D IN ANY ORDER.

STEP 1A: SHIFT TRAFFIC TO PHASE II PATTERN: INSTALL AND COVER THE FOLLOWING TEMPORARY SIGNALS:
- -L1-/-L2- AND -Y1-/-Y2- (N. MAIN ST)
- -L2- (US 221A) AND -Y3-/-Y4- (S. CLEGHORN ST)
COORDINATE WITH R-2233BB, THEN USE RSD 1101.02 (SHEET 1 AND 2 OF 19) AND LAW ENFORCEMENT AS NEEDED TO INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY SIGNS AS SHOWN ON TMP-23 THRU TMP-26. UNCOVER TEMPORARY SIGNALS AND SHIFT TRAFFIC TO TEMPORARY PATTERN.
- CLOSE CROSSWALK ON NORTH SIDE OF -L1-/-L2- INTERSECTION BY INSTALLING PEDESTRIAN BARRICADES PER PEDESTRIAN DETOUR ON TMP-2A TO DETOUR PEDESTRIANS ON -Y1- TO SIDEWALK ON EAST SIDE.
- OPEN CROSSWALK ON SOUTH SIDE OF -L1-/-L2- INTERSECTION BY INSTALLING PEDESTRIAN BARRICADE PER PEDESTRIAN DETOUR ON TMP-2 TO DETOUR PEDESTRIANS ON -Y2- TO SIDEWALK ON WEST SIDE.

STEP 1B: -Y1-/-Y2- AND -L1-(LT): USING RSD 1101.02 (SHEETS 1 AND 2 OF 19) AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT THE FOLLOWING:
- -L1- BETWEEN TRADE STREET AND -Y1-/-Y2- (SEE TMP-23 AND 24)
- -Y1- (LT)
- -Y2- (LT)
- USE PEDESTRIAN TRANSPORT SERVICE OR TEMPORARY CURB RAMP AS NEEDED TO CONSTRUCT -Y1-/-Y2- INTERSECTION SOUTHEAST CORNER.

STEP 1C: -L2- (LT) BETWEEN -Y1-/-Y2- AND -Y3-/-Y4-: INSTALL PEDESTRIAN BARRICADES PER TMP-2 FOR SIDEWALK DETOUR TO SOUTH SIDE OF US 221A BETWEEN MAIN STREET AND CLEGHORN STREET. USING RSD 1101.02 (SHEETS 2 OF 19) AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT -L2- (LT) BETWEEN -Y1-/-Y2- AND -Y3-/-Y4-. (ADJUST PED BARRICADES AS NEEDED) (SEE TMP-24 AND 25)
- USE PEDESTRIAN TRANSPORT SERVICE OR TEMPORARY CURB RAMP AS NEEDED TO CONSTRUCT -Y1-/-Y2- INTERSECTION NORTHEAST CORNER.

STEP 1D: -L2- (LT) BETWEEN -Y3-/-Y4- AND -Y5-/OLD CHARLOTTE ROAD: INSTALL PEDESTRIAN BARRICADES AS SHOWN ON TMP-25 AND 26 AND ACTIVATE PEDESTRIAN TRANSPORT SERVICE. USING RSD 1101.02 (SHEET 2 OF 19) AND PEDESTRIAN TRANSPORT SERVICE, CONSTRUCT -L2- (RT) FROM -Y3-/-Y4- TO -Y5-. (ADJUST PED BARRICADES AS NEEDED)
- USE TEMPORARY CURB RAMP AS NEEDED TO CONSTRUCT -Y3-/-Y4- INTERSECTION NORTHEAST CORNER.

STEP 2: US 74A TO -Y13- (OHIO STREET): COMPLETE PHASE I STEP 3 AND OPEN SIDEWALKS (RT) EAST OF US 74A. COMPLETE PHASE II STEP 2A, THEN COMPLETE PHASE II STEPS 2B AND 2C IN ANY ORDER.

STEP 2A: SHIFT TRAFFIC TO PHASE II PATTERN: INSTALL AND COVER TEMPORARY SIGNAL AT -L2- AND -Y7-/-Y8-. COORDINATE WITH R-2233BB, THEN USE RSD 1101.02 (SHEET 3 AND 7 OF 19) AND LAW ENFORCEMENT AS NEEDED TO INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY SIGNS AS SHOWN ON TMP-27 THRU 29, 39 AND 40. UNCOVER TEMPORARY SIGNAL AND SHIFT TRAFFIC TO TEMPORARY PATTERN.

STEP 2B: -L2-/-L3- AND -Y7- (US 74A) WIDENING: COORDINATE WITH RUTHERFORD COUNTY TRANSIT TO MAINTAIN TRANSIT ACCESS DURING SIDEWALK AND TRANSIT STOP CONSTRUCTION. PLACE PEDESTRIAN BARRICADES FOR PEDESTRIAN TRANSPORT SERVICE AS SHOWN ON TMP-27 THRU 29, 39, AND 40 AND ACTIVATE PEDESTRIAN TRANSPORT SERVICE. USING RSD 1101.02 (SHEET 1, 2, 3, AND 7 OF 19) AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT THE FOLLOWING:
- REMOVE EXISTING CONCRETE MEDIAN ISLAND ON -L2-, THEN WEDGE AND WIDEN -L2-/-L3- (LT) FROM -Y6- TO -L3- STA 15+75. (SEE TMP-27 THRU 29)
- WEDGE AND WIDEN -Y7- (SEE TMP-28 AND 39)

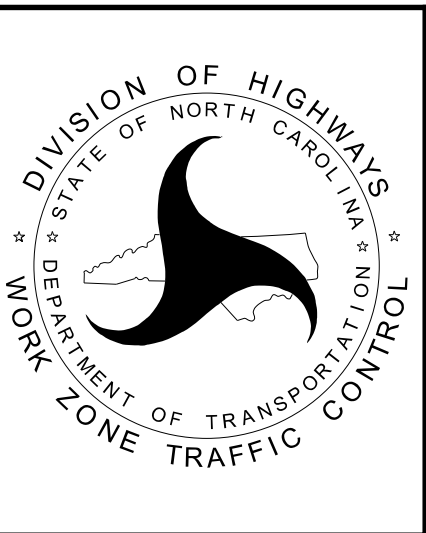
STEP 2C: MUP NEAR -Y10- (DEVINEY STREET): USING RSD 1101.02 (SHEET 1 AND 2 OF 19) AS NEEDED, CONSTRUCT MUP NEAR -Y10-. (SEE TMP-30)

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User:rgodriguez



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TRANSPORTATION
MANAGEMENT PLAN

PHASING

PHASE II (CONTINUED)

- STEP 3: SPINDALE: COMPLETE PHASE I STEP 4, OPEN -Y26- (MARYLAND STREET) TO TRAFFIC, AND OPEN SIDEWALKS. COMPLETE PHASE II STEP 3A AND 3B, THEN COMPLETE PHASE II STEPS 3C THRU 3F IN ANY ORDER. PHASE II STEP 3C AND 3D CANNOT BE DONE AT THE SAME TIME. STEP 3E AND 3F CANNOT BE DONE AT THE SAME TIME.
- STEP 3A: SHIFT TRAFFIC TO PHASE II PATTERN: INSTALL AND COVER THE FOLLOWING PROPOSED RECTANGULAR RAPID FLASHING BEACON (RRFB), TEMPORARY SIGNAL, OR PROPOSED SIGNALS:
- -L3- AND -Y14-/-Y15- (TEMPORARY SIGNAL) (SEE TMP-32)
 - -L3- AND -Y18- (TEMPORARY SIGNAL) (SEE TMP-34)
 - MIDBLOCK CROSSING BETWEEN -Y23- (CALIFORNIA STREET) AND -Y24- (INDIANA STREET) (RRFB) (SEE TMP-37)
 - -L3- AND OAKLAND ROAD (PROPOSED) (SEE TMP-38)
- USE RSD 1101.02 (SHEET 1, 2, AND 3 OF 19) AND LAW ENFORCEMENT AS NEEDED, INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY SIGNS AS SHOWN ON TMP-32 THRU 38. UNCOVER RRFB, TEMPORARY SIGNALS, AND PROPOSED SIGNALS AND SHIFT TRAFFIC TO TEMPORARY PATTERN.
- STEP 3B: -L3- (RT) AT -Y14-/-Y15- PROPOSED INTERSECTION BULB OUTS: USING RSD 1101.02 (SHEET 2 AND 3 OF 19), LAW ENFORCEMENT, AND TEMPORARY CURB RAMPS AS NEEDED, CONSTRUCT -Y14-/-Y15- PROPOSED INTERSECTION SOUTH SIDE BULB OUTS. (SEE TMP-32)
- STEP 3C: -L3- (LT) AT -Y14-/-Y15: COORDINATE WITH THE TOWN OF SPINDALE REGARDING ON-STREET PARKING. COORDINATE WITH RUTHERFORD COUNTY TRANSIT TO MAINTAIN TRANSIT ACCESS DURING -Y14- CURB AND SIDEWALK AND TRANSIT STOP CONSTRUCTION. INSTALL PEDESTRIAN BARRICADES PER TMP-2 FOR -Y14- SIDEWALK DETOUR TO STEWARD STREET AND SPINDALE STREET AS SHOWN ON TMP-32. USING RSD 1101.02 (SHEET 1, 2, AND 3 OF 19) AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT THE FOLLOWING:
- -L3- (LT) FROM STA 39+44.32+/- TO -Y14-
 - USING PEDESTRIAN TRANSPORT SERVICE OR TEMP CURB RAMPS, CONSTRUCT -Y14-/-Y15- INTERSECTION NORTHWEST CORNER.
 - -Y14- (IN STAGES AS NEEDED)
 - STAGE CONSTRUCT SIDEWALK ACROSS THERMAL BELT RAIL-TRAIL TO MAINTAIN CROSSING DURING CURB AND SIDEWALK CONSTRUCTION.
 - -L3- (LT) FROM -Y14- TO STA 44+81.28+/-
 - USING PEDESTRIAN TRANSPORT SERVICE OR TEMP CURB RAMPS, CONSTRUCT -Y14-/-Y15- INTERSECTION NORTHEAST CORNER.
- STEP 3D: -L3- (LT) AT -Y18-: INSTALL PEDESTRIAN BARRICADES FOR -Y18- PER TMP-2 SIDEWALK DETOUR TO STEWARD STREET AND OAK STREET AS SHOWN ON TMP-34. USING RSD 1101.02 (SHEET 1 AND 2 OF 19), CONSTRUCT THE FOLLOWING:
- -L3- (LT) FROM -L3- STA 50+54.67+/- TO -Y18-
 - STAGE CONSTRUCT SIDEWALK ACROSS THERMAL BELT RAIL-TRAIL TO MAINTAIN CROSSING DURING CURB AND SIDEWALK CONSTRUCTION.
 - -L3- (LT) FROM -Y18- TO -L3- STA 57+31.96+/-
 - STAGE CONSTRUCT SIDEWALK ACROSS THERMAL BELT RAIL-TRAIL TO MAINTAIN CROSSING DURING CURB AND SIDEWALK CONSTRUCTION.
- STEP 3E: THERMAL BELT RAIL-TRAIL TIE-IN NEAR -Y26-: INSTALL PEDESTRIAN BARRICADES PER TMP-2 SIDEWALK DETOUR TO SIDEWALK SOUTH OF US 221A BETWEEN TANNER STREET AND MARYLAND STREET AS SHOWN ON TMP-35. AWAY FROM TRAFFIC, CONSTRUCT 1.5* MILL AND FILL BETWEEN PROPOSED CURB RAMPS. OPEN AS SOON AS POSSIBLE.
- STEP 3F: -L3- (LT) BETWEEN -Y21- AND -Y24-: COORDINATE WITH RUTHERFORD COUNTY TRANSIT TO MAINTAIN TRANSIT ACCESS DURING SIDEWALK CONSTRUCTION. INSTALL PEDESTRIAN BARRICADES PER TMP-2 SIDEWALK DETOUR TO THERMAL BELT RAIL-TRAIL BETWEEN MARYLAND STREET AND INDIANA STREET. USING RSD 1101.02 (SHEET 1 AND 2 OF 19), CONSTRUCT THE FOLLOWING:
- -L3- BETWEEN -Y21- AND -Y24- (ADJUST PEDESTRIAN BARRICADES AS NEEDED)
 - COORDINATE WITH BUSINESSES AND PHASE SIDEWALK CONSTRUCTION IN MANNER TO MAINTAIN ACCESS TO BUSINESSES
 - COORDINATE WITH THE TOWN OF SPINDALE REGARDING ON-STREET PARKING
 - USE PEDESTRIAN TRANSPORT SERVICE OR SIDEWALK DIVERSION (TMP-2) WITH TEMP CURB RAMP, CONSTRUCT NORTHWEST CORNER OF INDIANA STREET INTERSECTION

PHASE III

NOTE: PHASE III MAY BE DONE AT THE SAME TIME AS PHASE II UNLESS STATED OTHERWISE.

- STEP 1: ROUNDABOUT: COMPLETE PHASE II STEP 2. COMPLETE PHASE III STEP 1A, THEN COMPLETE STEP 1B AND 1C IN ANY ORDER.
- STEP 1A: TRAFFIC SHIFT TO ROUNDABOUT PATTERN: USING RSD 1101.02 (SHEET 3, 7, AND 18 OF 19) AND LAW ENFORCEMENT, INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY SIGNS AS SHOWN ON TMP-41 THRU 45. SHIFT TRAFFIC TO PHASE III PATTERN AND REMOVE EXISTING SIGNAL AT -L2-/-L3- AND -Y7-/-Y8-.
- STEP 1B: CONSTRUCT MEDIAN TRUCK APRON: USING RSD 1101.02 (SHEET 18 OF 19) AS NEEDED, CONSTRUCT -RAB- CENTER MEDIAN ISLAND. (SEE TMP-42)
- STEP 1C: CONSTRUCT MEDIAN CONCRETE ISLANDS: USING RSD 1101.02 (SHEET 18 OF 19) AS NEEDED, CONSTRUCT MEDIAN CONCRETE ISLANDS ON -L3-, -Y7-, AND -Y8- AS SHOWN ON TMP-41, 42, AND 45

PHASE IIIA

NOTE: PHASE IIIA MAY BE DONE AT THE SAME TIME AS PHASE II STEP 2 UNLESS STATED OTHERWISE.

- STEP 1: ROUNDABOUT: COMPLETE PHASE III STEP 1. COMPLETE PHASE IIIA STEP 1A AND 1B IN ORDER.
- STEP 1A: TRAFFIC SHIFT TO ROUNDABOUT PATTERN: USING RSD 1101.02 (SHEET 18 OF 19) AND LAW ENFORCEMENT, INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY SIGNS AS SHOWN ON TMP-46 THRU 49. SHIFT TRAFFIC TO PHASE IIIA PATTERN.
- STEP 1B: CONSTRUCT MEDIAN CONCRETE ISLANDS: USING RSD 1101.02 (SHEET 18 OF 19) AS NEEDED, CONSTRUCT MEDIAN CONCRETE ISLANDS ON -L3-, -Y7-, AND -Y8- AS SHOWN ON TMP-47.

PHASE IV

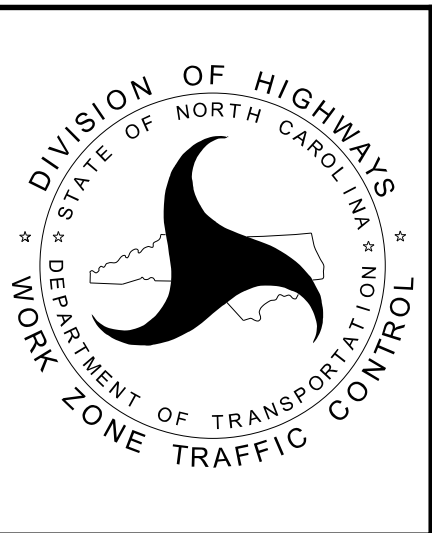
- STEP 1: FINAL LAYER AND MILL AND FILL: COMPLETE ALL STEPS IN PHASE II AND IIIA. USING RSD 1101.02 (SHEET 1, 2, 3, AND 7 OF 19) AND LAW ENFORCEMENT AS NEEDED, COMPLETE PROPOSED CONCRETE MEDIAN ISLANDS, FINAL LAYER OF PAVEMENT, MILL AND FILL, PROPOSED PAVEMENT MARKINGS AND MARKERS PER PMP, AND ACTIVATE ALL PROPOSED SIGNALS.
- STEP 1A: - -Y16- (NEBRASKA STREET): COORDINATE WITH TOWN OF SPINDALE, THEN USE RSD 1101.03 (SHEET 2 OF 9) TO DETOUR TRAFFIC TO OAK STREET DURING OVERNIGHT MILL AND OVERLAY.
- STEP 1B: - -Y17- (TANNER STREET): COORDINATE WITH TOWN OF SPINDALE, THEN USE RSD 1101.03 (SHEET 2 OF 9) TO DETOUR TRAFFIC TO REVELEY STREET DURING OVERNIGHT MILL AND OVERLAY.

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User:rgarodriguez



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TRANSPORTATION
MANAGEMENT PLAN

PHASING

NAD 83
NA 2011

USING LANE CLOSURE,
CONSTRUCT -L1- (RT).

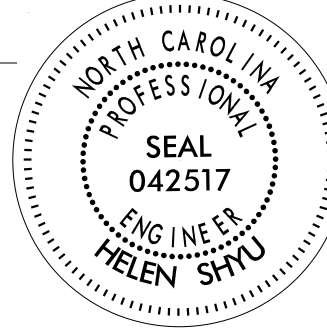
RIGHT LANE
MUST
TURN RIGHT

R3-7R
36" X 36"

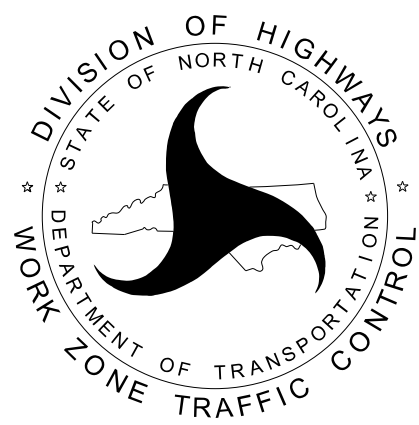
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PHASE I DETAIL



INSTALL TEMPORARY SIGNAL THEN USE LANE CLOSURE AND LAW ENFORCEMENT AS NEEDED TO INSTALL TEMPORARY PAVEMENT MARKINGS AS SHOWN ON TMP-4 THRU TMP-8. SHIFT TRAFFIC TO PHASE I PATTERN. (COORDINATE WITH R-2233BB)

MATCH LINE -L1- STA 16+50.00 SEE SHEET TMP-4

-L1- NC 108 (S. WASHINGTON ST.)

USING LANE CLOSURE, CONSTRUCT SOUTHWEST CORNER OF INTERSECTION

-Y2- S. MAIN STREET (US 221)

-Y1- N. MAIN STREET (US 221)

P41 DIAGONALS SPACED 25' APART

-L2- STA 10+40 +/-

P61

P2

10.5'

10.5'

10.5'

16'

-L2- STA 10+47 +/-

-L2- STA 11+43 +/-

-L2- STA 12+05 +/-

USING LANE CLOSURE AND SIDEWALK DETOUR (TMP-2) TO NORTH SIDE OF US 221A BETWEEN MAIN ST AND CLEGHORN ST, CONSTRUCT -L2- (RT)

P42 DIAGONALS SPACED 35' APART

-L2- STA 12+20 +/-

-L2- STA 13+50 +/-

-L2- STA 14+80 +/-

-L2- STA 14+42 +/-

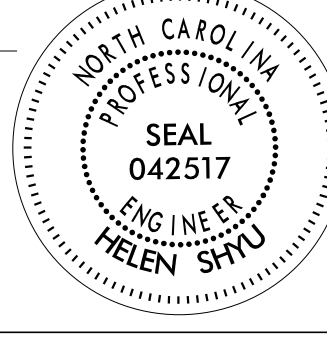
-L2- US 221A (CHARLOTTE RD.)

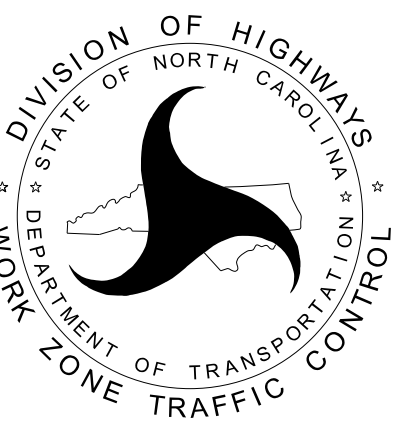
MATCH LINE -L2- STA 15+00.00 SEE SHEET TMP-6



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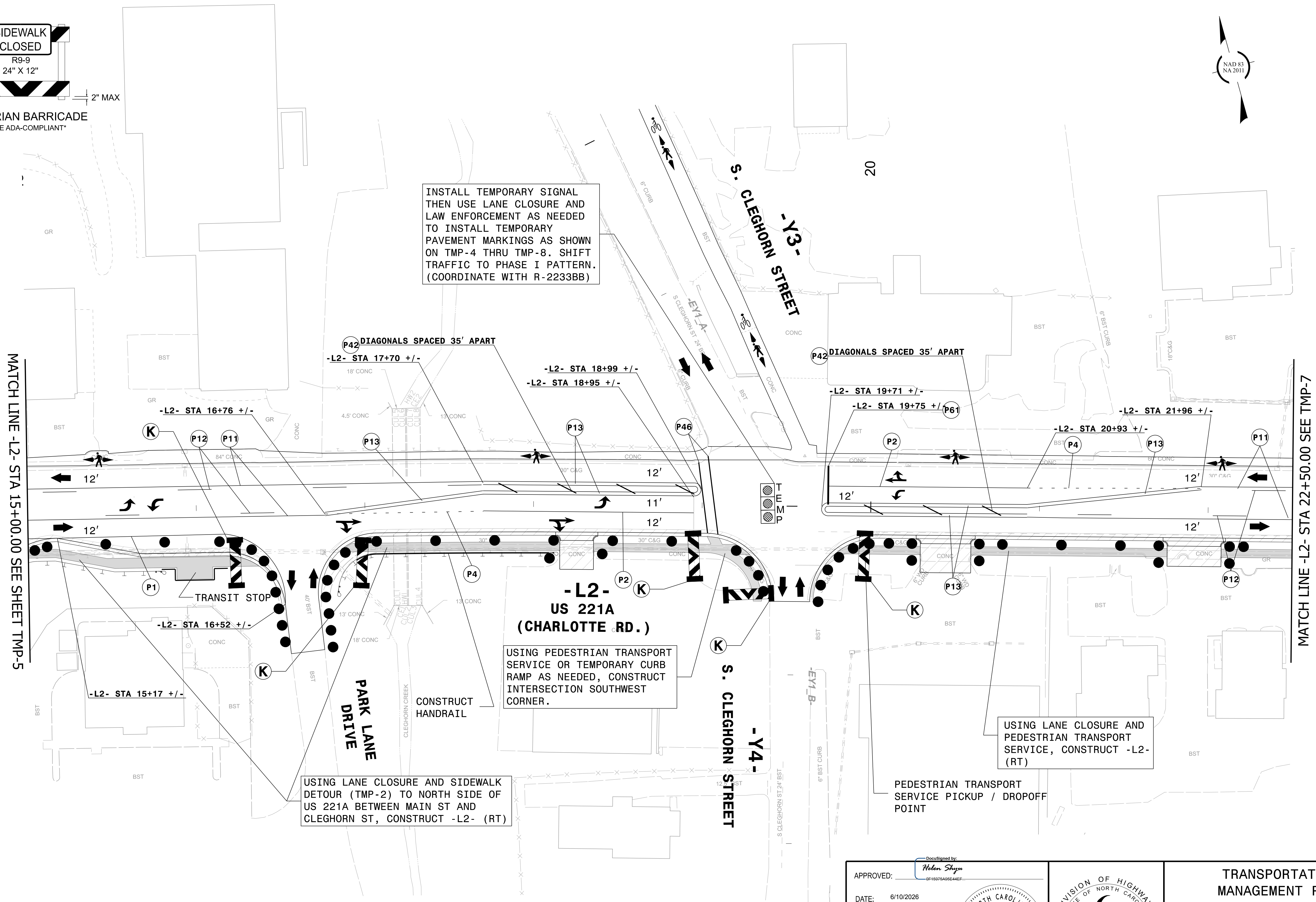
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TRANSPORTATION
MANAGEMENT PLAN

PHASE I
DETAIL



- L2 - ^(P2) ^(K)
US 221A
(CHARLOTTE RD.)

USING PEDESTRIAN TRANSPORT
SERVICE OR TEMPORARY CURB
RAMP AS NEEDED, CONSTRUCT
INTERSECTION SOUTHWEST
CORNER.

USING LANE CLOSURE AND SIDEWALK
DETOUR (TMP-2) TO NORTH SIDE OF
US 221A BETWEEN MAIN ST AND
CLEGHORN ST, CONSTRUCT -L2- (RT)

USING LANE CLOSURE AND
PEDESTRIAN TRANSPORT
SERVICE, CONSTRUCT -L2-
(RT)

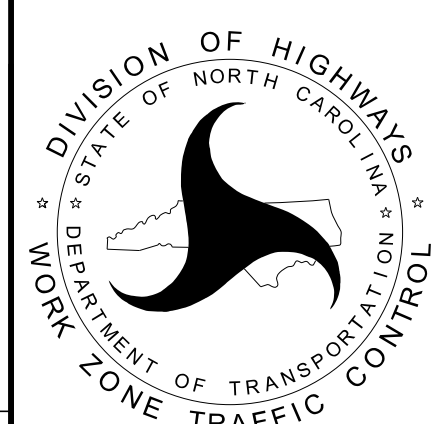
PEDESTRIAN TRANSPORT
SERVICE PICKUP / DROPOFF
POINT

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DATE: 6/10/2026 _____

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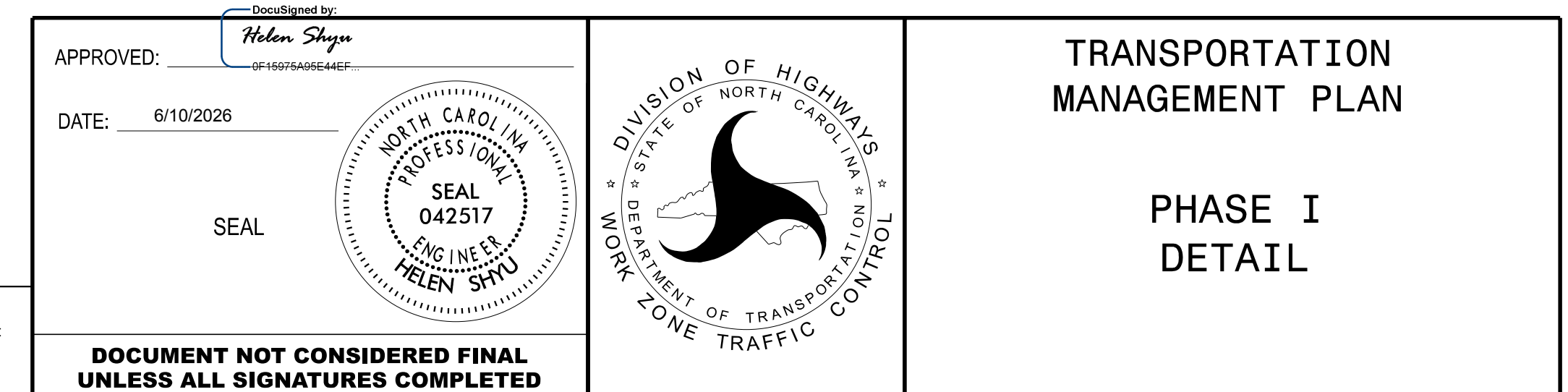
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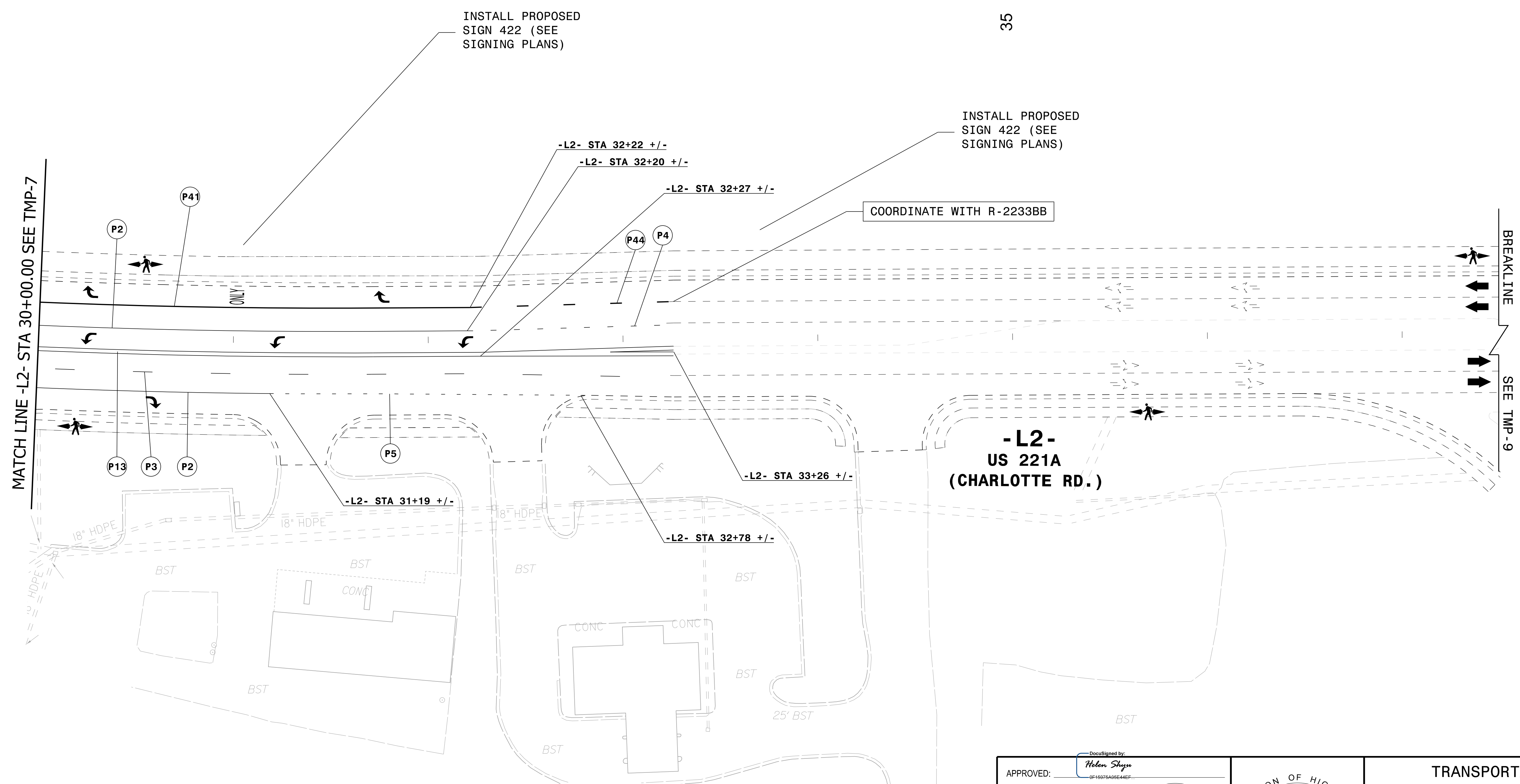
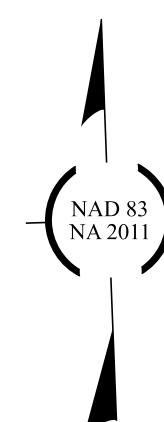
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MANAGEMENT PLAN

PHASE I DETAIL



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35

INSTALL PROPOSED
SIGN 422 (SEE
SIGNING PLANS)

COORDINATE WITH R-2233BB

BREAKLINE

SEE TMP-9

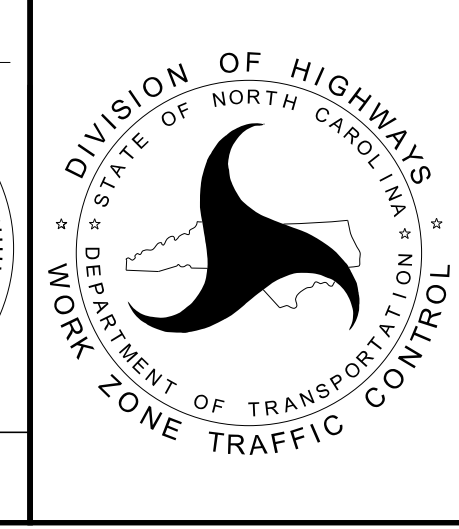
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US 221A
(CHARLOTTE RD.)

APPROVED: Helen Shyu
 (S-16073A02E4EEF)

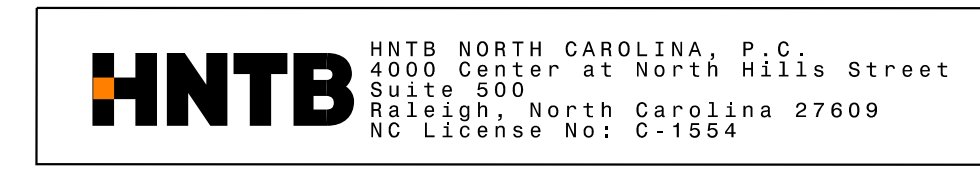
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MANAGEMENT PLAN

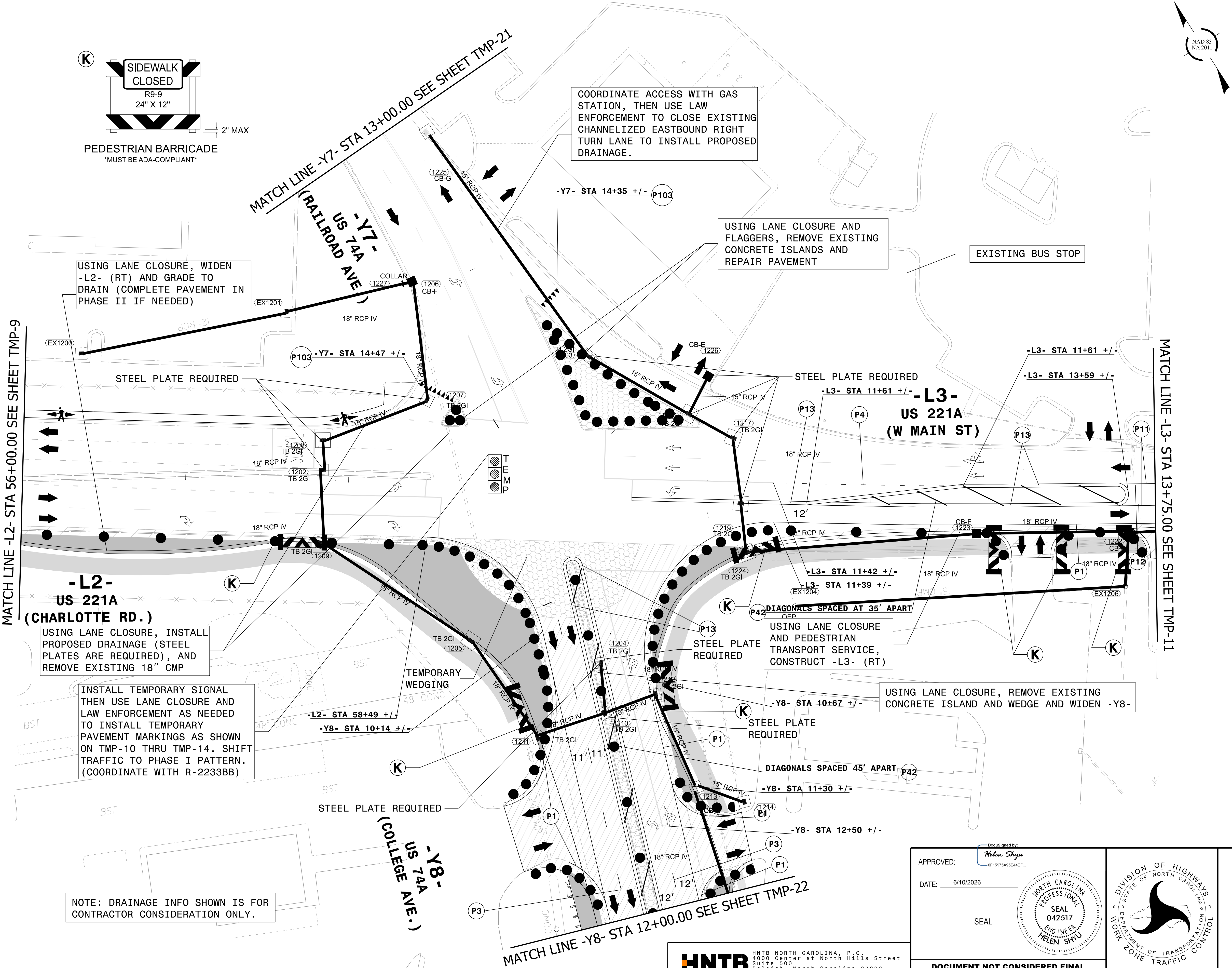
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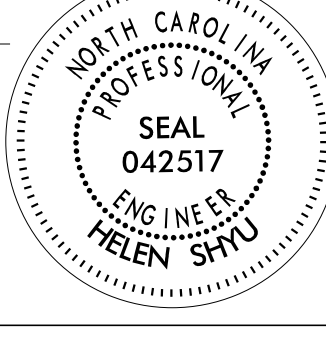


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User: gcorriguez



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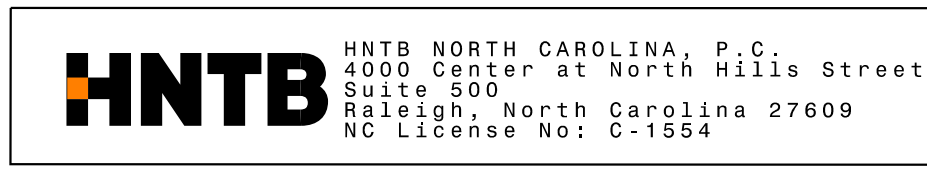

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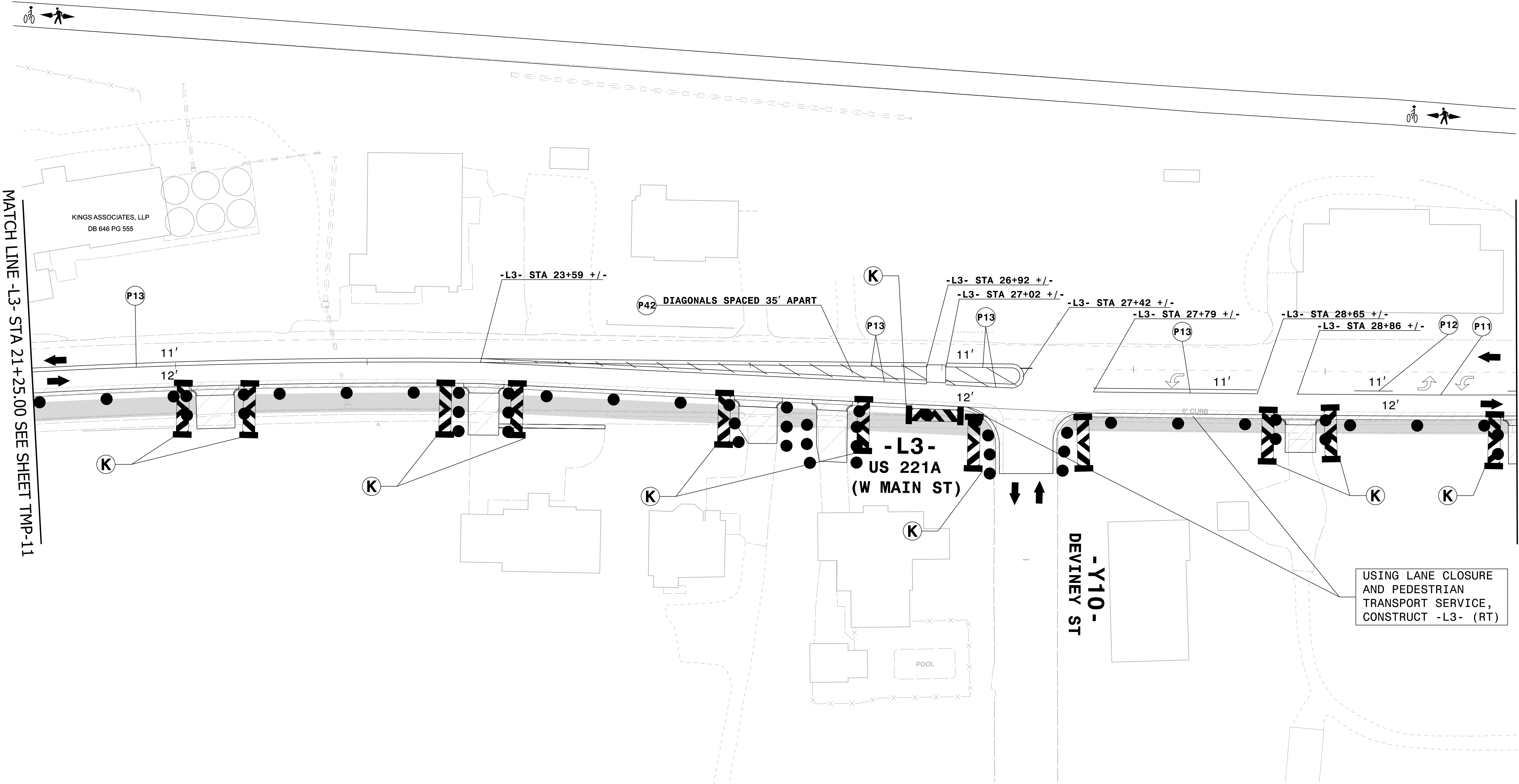
TRANSPORTATION
MANAGEMENT PLAN

PHASE I
DETAIL



TRANSPORTATION
MANAGEMENT PLAN

PHASE I
DETAIL



MATCH LINE -L3- STA 21+25.00 SEE SHEET TMP-11

MATCH LINE -L3- STA 29+00.00 SEE SHEET TMP-13

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TRANSPORTATION
MANAGEMENT PLAN

PHASE I
DETAIL

NAD 83
NA 2011



USING LANE CLOSURE
AND PEDESTRIAN
TRANSPORT SERVICE,
CONSTRUCT -L3- (RT)

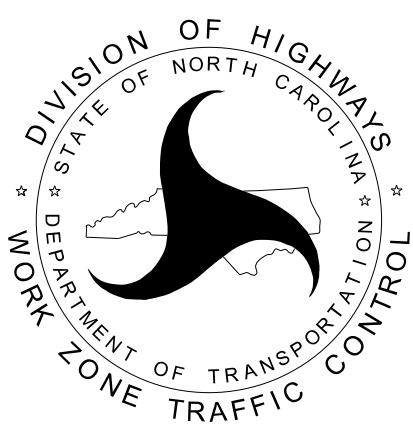
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PHASE I DETAIL

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Diagram illustrating two types of pedestrian barricades:

- R9-9:** A rectangular barricade with a sign that reads "SIDEWALK CLOSED". The sign is 24" X 12". The barricade is 24" X 12". The sign is mounted on a base that is 24" X 12". The barricade has a maximum height of 2" MAX.
- R9-11a:** A rectangular barricade with a sign that reads "SIDEWALK CLOSED" and "CROSS HERE" with an arrow pointing right. The sign is 24" X 12". The barricade is 24" X 12". The sign is mounted on a base that is 24" X 12". The barricade has a maximum height of 2" MAX.

Both barricades must be ADA-compliant.



PHASE I
DETAIL

K

Diagram of Pedestrian Barricade K. The barricade is a rectangular sign with a black border. The top half is white with the text "SIDEWALK CLOSED" in black. The bottom half is black with the text "R9-9" and "24\" X 12\" in white. The barricade is flanked by two black and white diagonal stripes. A dimension line indicates a height of 2\" MAX.

PEDESTRIAN BARRICADE

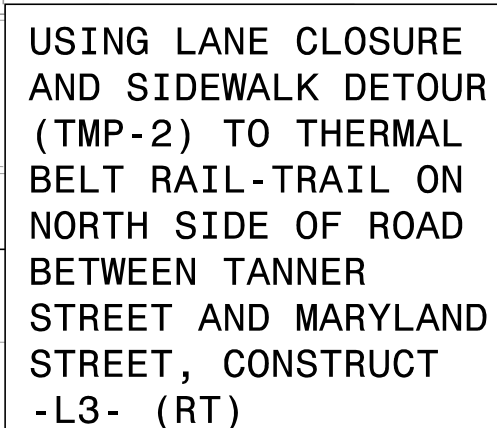
MUST BE ADA-COMPLIANT

L

Diagram of Pedestrian Barricade L. The barricade is a rectangular sign with a black border. The top half is white with the text "SIDEWALK CLOSED" in black. The bottom half is black with the text "R9-11a" and "24\" X 12\" in white. The barricade is flanked by two black and white diagonal stripes. A dimension line indicates a height of 2\" MAX.

PEDESTRIAN BARRICADE

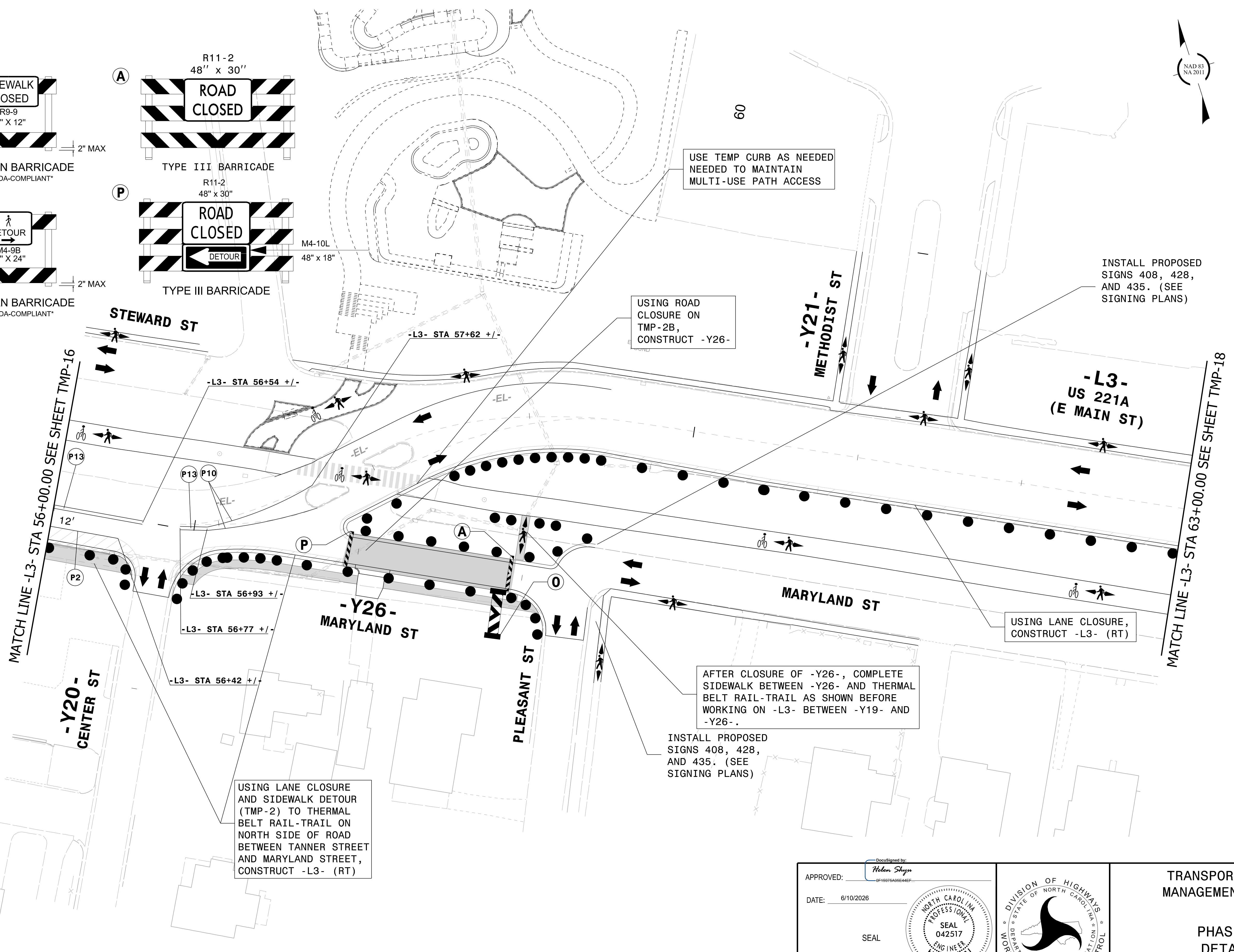
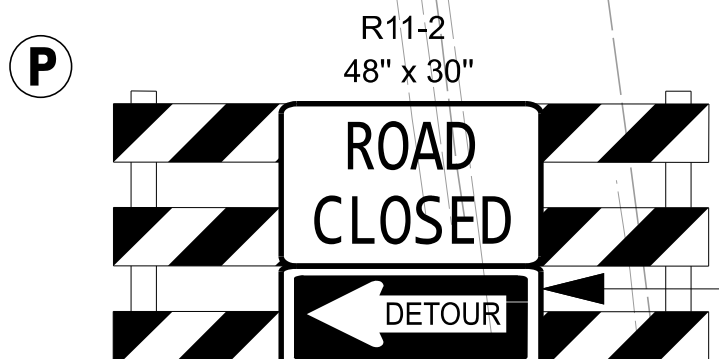
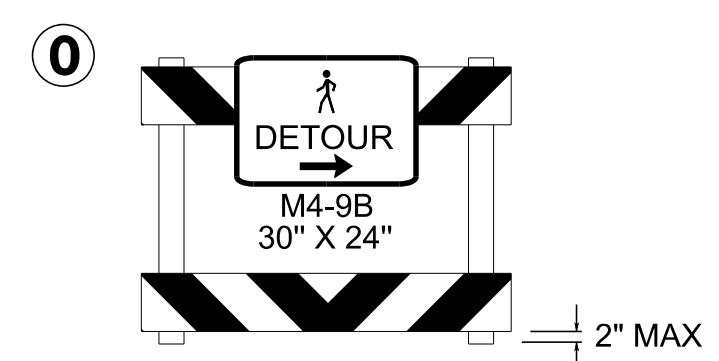
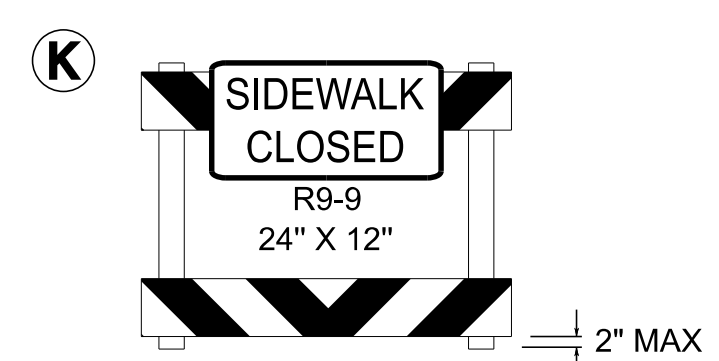
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NAD 83
NA 2011



USE TEMP CURB AS NEEDED
NEEDED TO MAINTAIN
MULTI-USE PATH ACCESS

USING ROAD
CLOSURE ON
TMP-2B,
CONSTRUCT -Y26-

INSTALL PROPOSED
SIGNS 408, 428,
— AND 435. (SEE
SIGNING PLANS)

USING LANE CLOSURE,
CONSTRUCT -L3- (RT)

AFTER CLOSURE OF -Y26-, COMPLETE
SIDEWALK BETWEEN -Y26- AND THERMAL
BELT RAIL-TRAIL AS SHOWN BEFORE
WORKING ON -L3- BETWEEN -Y19- AND
-Y26-.

INSTALL PROPOSED
SIGNS 408, 428,
AND 435. (SEE
SIGNING PLANS)

USING LANE CLOSURE
AND SIDEWALK DETOUR
(TMP-2) TO THERMAL
BELT RAIL-TRAIL ON
NORTH SIDE OF ROAD
BETWEEN TANNER STREET
AND MARYLAND STREET,
CONSTRUCT -L3- (RT)

(Seal) Located by:

Helen Shyu

(#1507RA09SE4AEF)

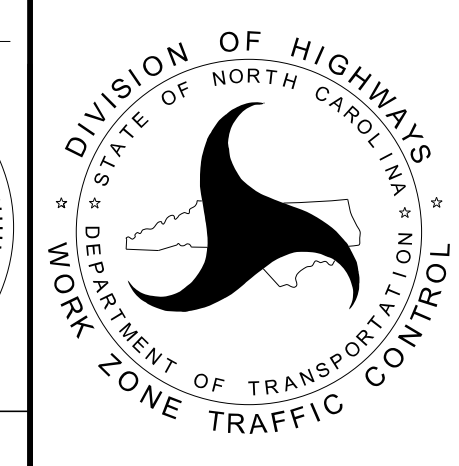
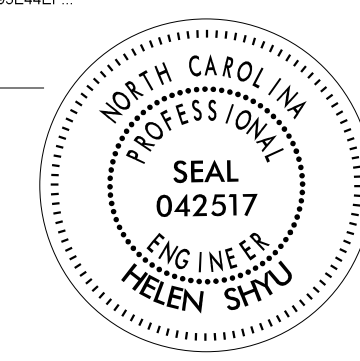
APPROVED: _____

DATE: 6/10/2026 _____

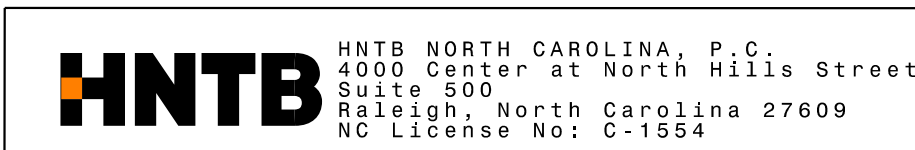
SEAL



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

TRANSPORTATION
MANAGEMENT PLAN

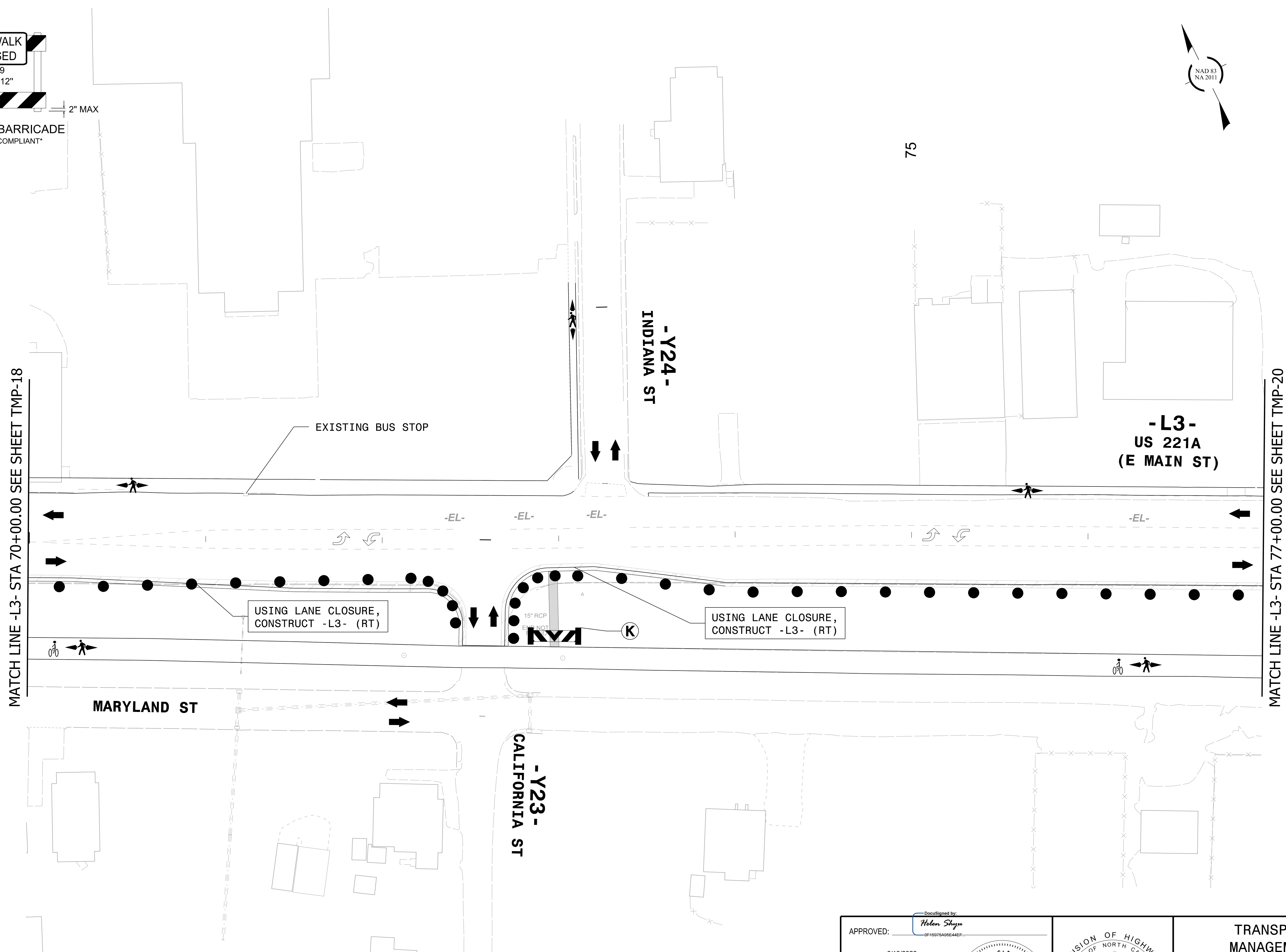
PHASE I
DETAIL



NAD 83
NA 2011



PHASE I
DETAIL



HNTB HNTB NORTH CAROLINA, P.C.
4000 Center at North Hills Street
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554

DocuSigned by:
Helen Shyu
6F1557A066A4EF

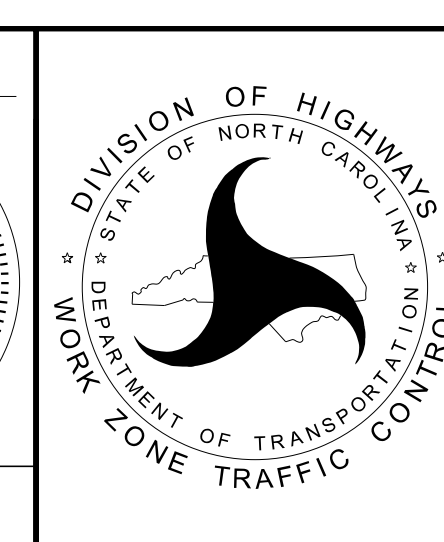
APPROVED: _____

DATE: 6/10/2026

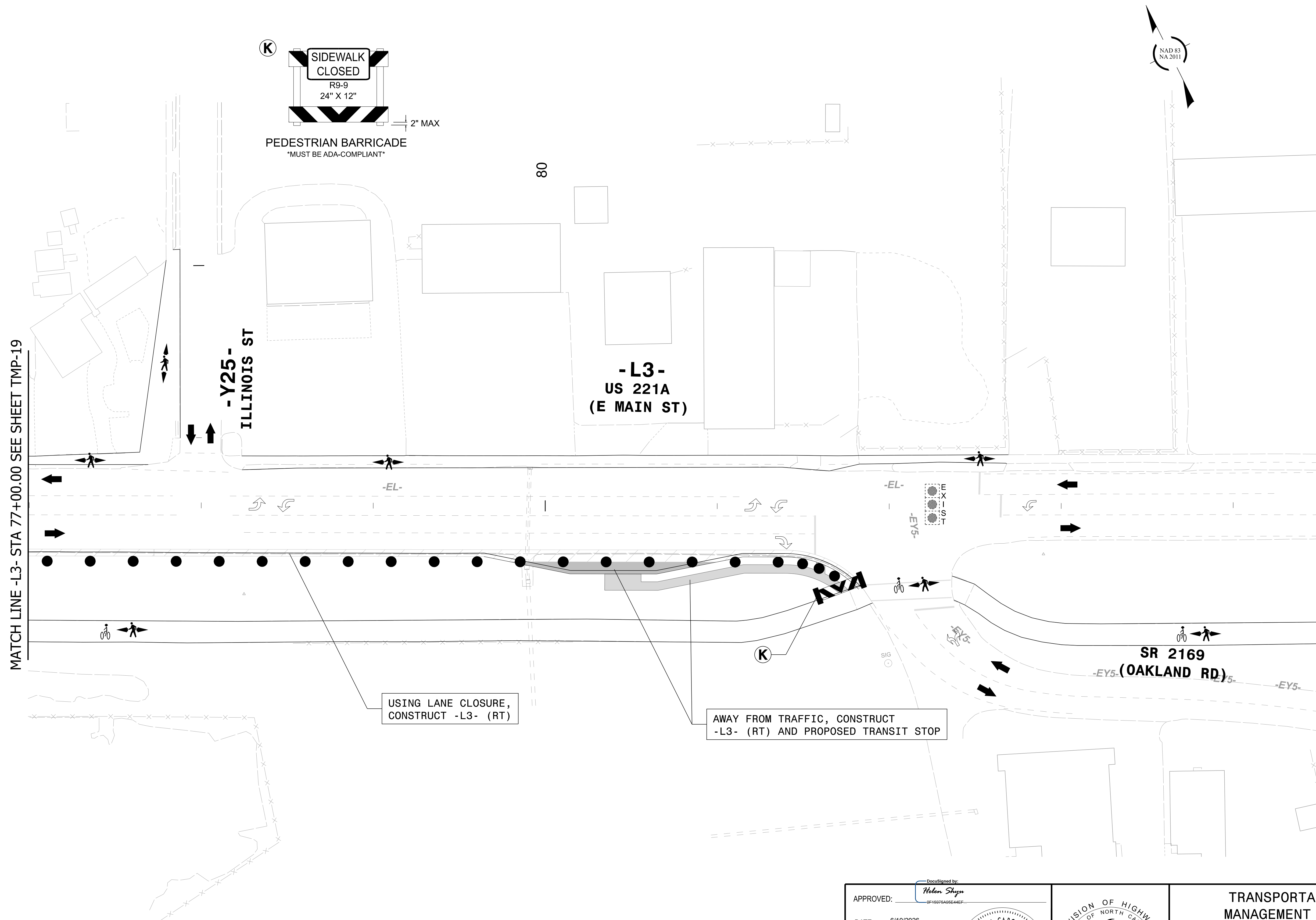
SEAL

NOTARY PUBLIC
NORTH CAROLINA
PROFESSIONAL
SEAL
042517
ENGINEER
HELEN SHYU

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UNLESS ALL SIGNATURES COMPLETED**

TRANSPORTATION
MANAGEMENT PLAN

PHASE I DETAIL



MATCH LINE -L3- STA 77+00.00 SEE SHEET TMP-19

USING LANE CLOSURE,
CONSTRUCT -L3- (RT)

AWAY FROM TRAFFIC, CONSTRUCT
-L3- (RT) AND PROPOSED TRANSIT STOP

(Seal) Located by:

Helen Shyu

(#1507RA09SE4AEF)

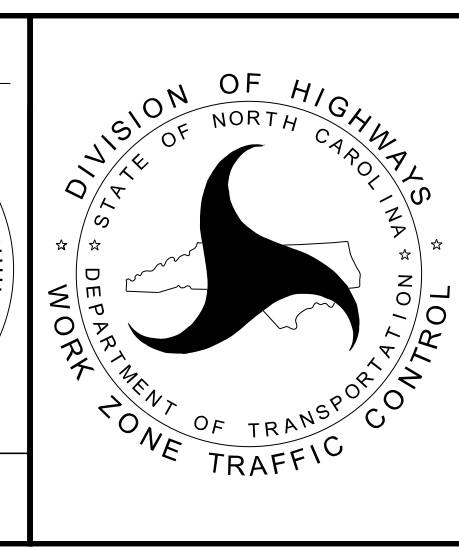
APPROVED: _____

DATE: 6/10/2026 _____

SEAL



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UNLESS ALL SIGNATURES COMPLETED**



TRANSPORTATION
MANAGEMENT PLAN

PHASE I
DETAIL



MATCH LINE -Y8- STA 12+00.00 SEE SHEET TMP-10

USING LANE CLOSURE, REMOVE
EXISTING CONCRETE ISLAND
AND WEDGE AND WIDEN -Y8-

**-Y8-
US 74A
(COLLEGE AVE.)**

PEDESTRIAN TRANSPORT
SERVICE PICKUP / DROPOFF POINT

-Y8- STA 15+00 +/-

-L3- STA 14+00 +/-

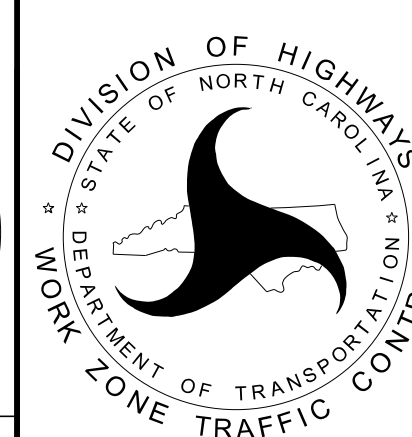
DIAGONALS SPACED 45' APART **P42**

APPROVED: _____

DATE: 6/10/2026 _____

SEAL

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TRANSPORTATION
MANAGEMENT PLAN

PHASE I
DETAIL



HNTB NORTH CAROLINA, P.C.
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Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554

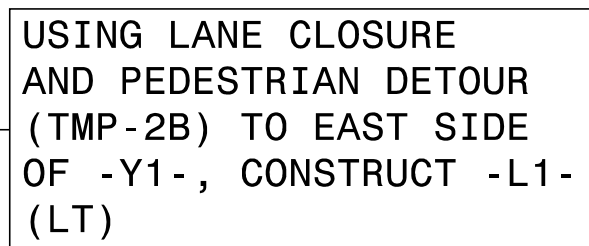
ROJ. REFERENCE NO.	SHEET NO.
HL-0065	TMP - 23



PEDESTRIAN BARRICADE
MUST BE ADA-COMPLIANT



PEDESTRIAN BARRICADE
MUST BE ADA-COMPLIANT

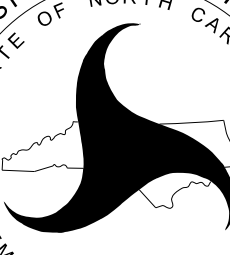


INSTALL PROPOSED
SIGN 408 (SEE
SIGNING PLANS)

HNTB NORTH CAROLINA, P.C.
4000 Center at North Hills Street
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554

Helen Shyu

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PHASE II
DETAIL



PEDESTRIAN TRANSPORT
SERVICE PICKUP / DROP
OFF POINT

USING LANE CLOSURE
AND PEDESTRIAN
TRANSPORT SERVICE,
CONSTRUCT -L2- (LT)

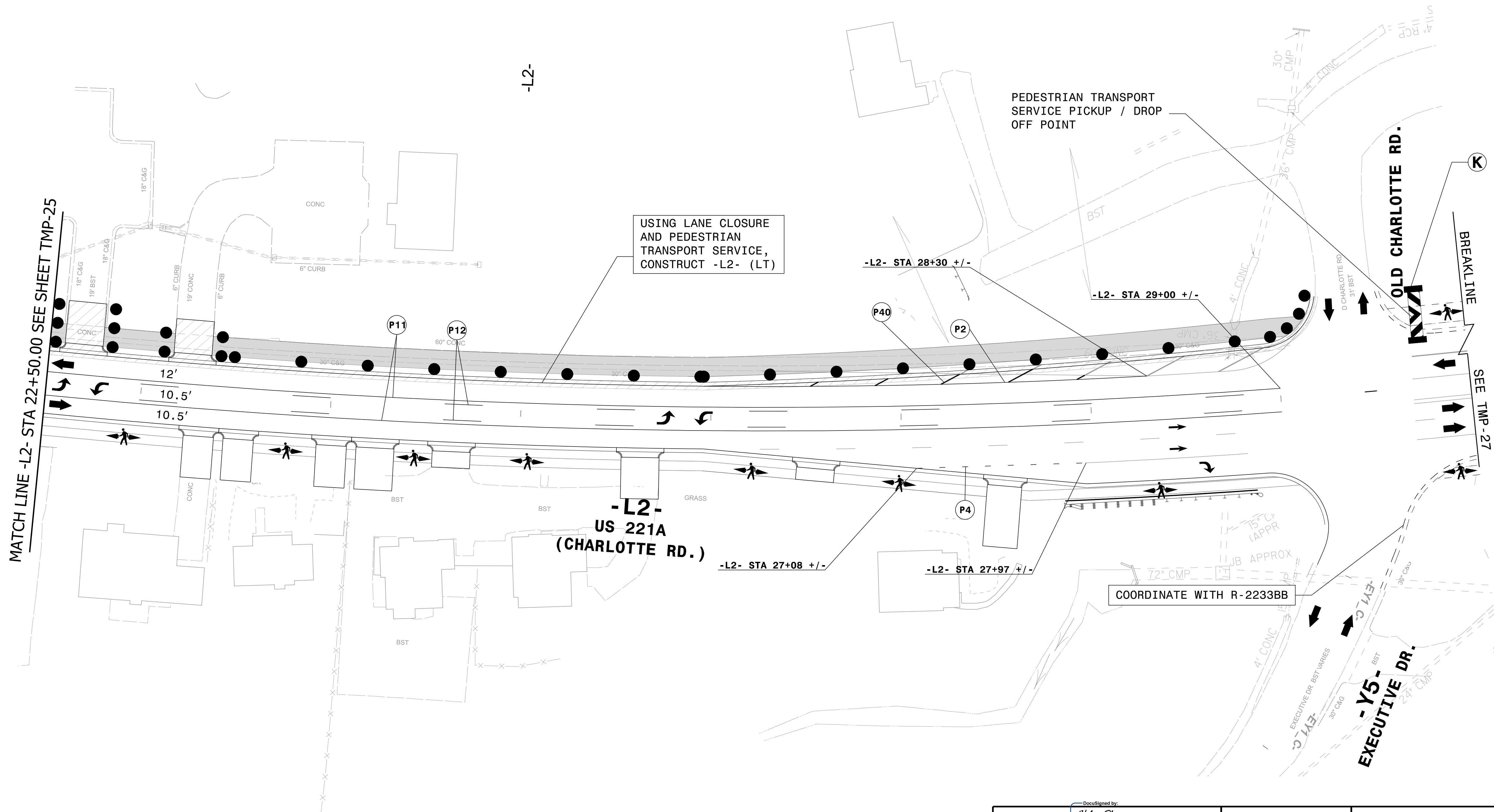
P61 -Y3- STA 10+52 +/-
 K
 P61 -L2- STA 18+85 +/-
 -L2- STA 17+95 +/-

MATCH LINE -L2- STA 22+50.00 SEE SHEET TMP-26

- L2 -
US 221A
(CHARLOTTE RD.)

PHASE II
DETAIL

HNTB HNTB NORTH CAROLINA, P.C.
4000 Center at North Hills Street
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Raleigh, North Carolina 27609
NC License No: C-1554

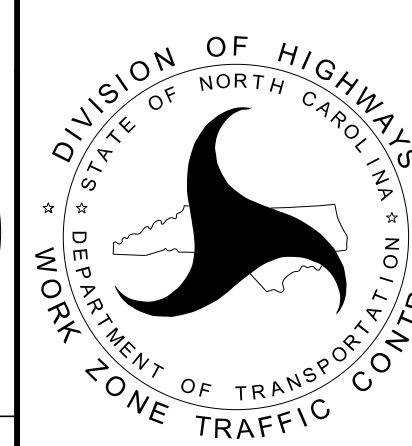


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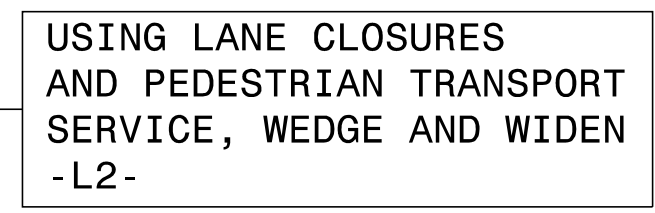
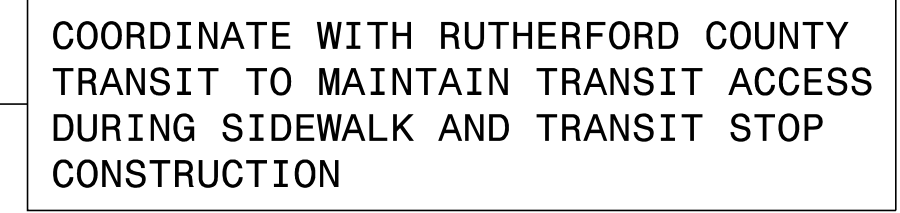
HNTB HNTB NORTH CAROLINA, P.C.
4000 Center at North Hills Street
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554

Digitally signed by: Helen Shyu
 APPROVED: _____
 (F=15075A06E44E4F)
 DATE: 6/10/2026 _____
 SEAL

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 UNLESS ALL SIGNATURES COMPLETED**

TRANSPORTATION
MANAGEMENT PLAN

PHASE II
DETAIL



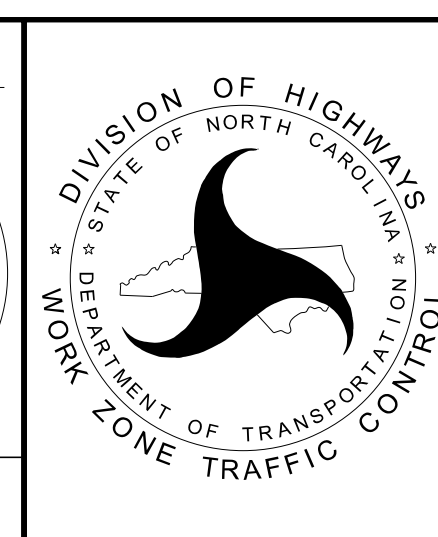
DocuSigned by:
Helen Shyu
APPROVED: _____
(F1507)AD96E44EF

DATE: 6/10/2026

SEAL



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PHASE II
DETAIL



COORDINATE WITH RUTHERFORD COUNTY
TRANSIT TO MAINTAIN TRANSIT ACCESS
DURING SIDEWALK AND TRANSIT STOP
CONSTRUCTION

PEDESTRIAN TRANSPORT SERVICE
PICKUP / DROP OFF POINT

REQUIRED
-L3- STA 11+37 +/-
-L3-
US 221A
(W MAIN ST)

MATCH LINE -L2- STA 56+00.00 SEE SHEET TMP-27

-L2-
US 221A
(CHARLOTTE RD.)

INSTALL TEMPORARY SIGNAL THEN USE
LANE CLOSURE AND LAW ENFORCEMENT
AS NEEDED TO INSTALL TEMPORARY
PAVEMENT MARKINGS AS SHOWN ON
TMP-27, 28, 39 AND TMP-40. SHIFT
TRAFFIC TO PHASE II PATTERN.
(COORDINATE WITH R-2233BB)

STEEL PLATE REQUIRED

US 74A
(COLLEGE AVE.)

Technical drawing of a bridge section showing a cross-section of a bridge deck. The drawing includes a centerline, a match line, and various annotations. The match line is labeled "MATCH LINE -Y8- STA 12+00.00 SEE SHEET TMP-40". The centerline is labeled "CONC". The drawing also shows a cross-section of a bridge deck with a centerline, a match line, and various annotations. The match line is labeled "MATCH LINE -Y8- STA 12+00.00 SEE SHEET TMP-40". The centerline is labeled "CONC".

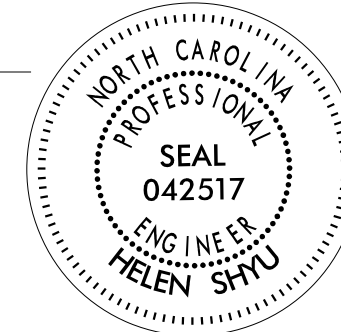


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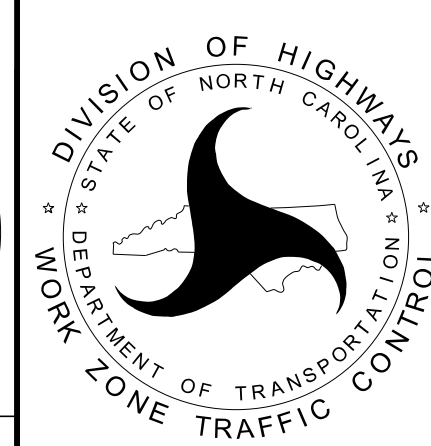
APPROVED: _____

DATE: 6/10/2026

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TRANSPORTATION
MANAGEMENT PLAN

PHASE II
DETAIL



-L3- STA 13+80 +/-

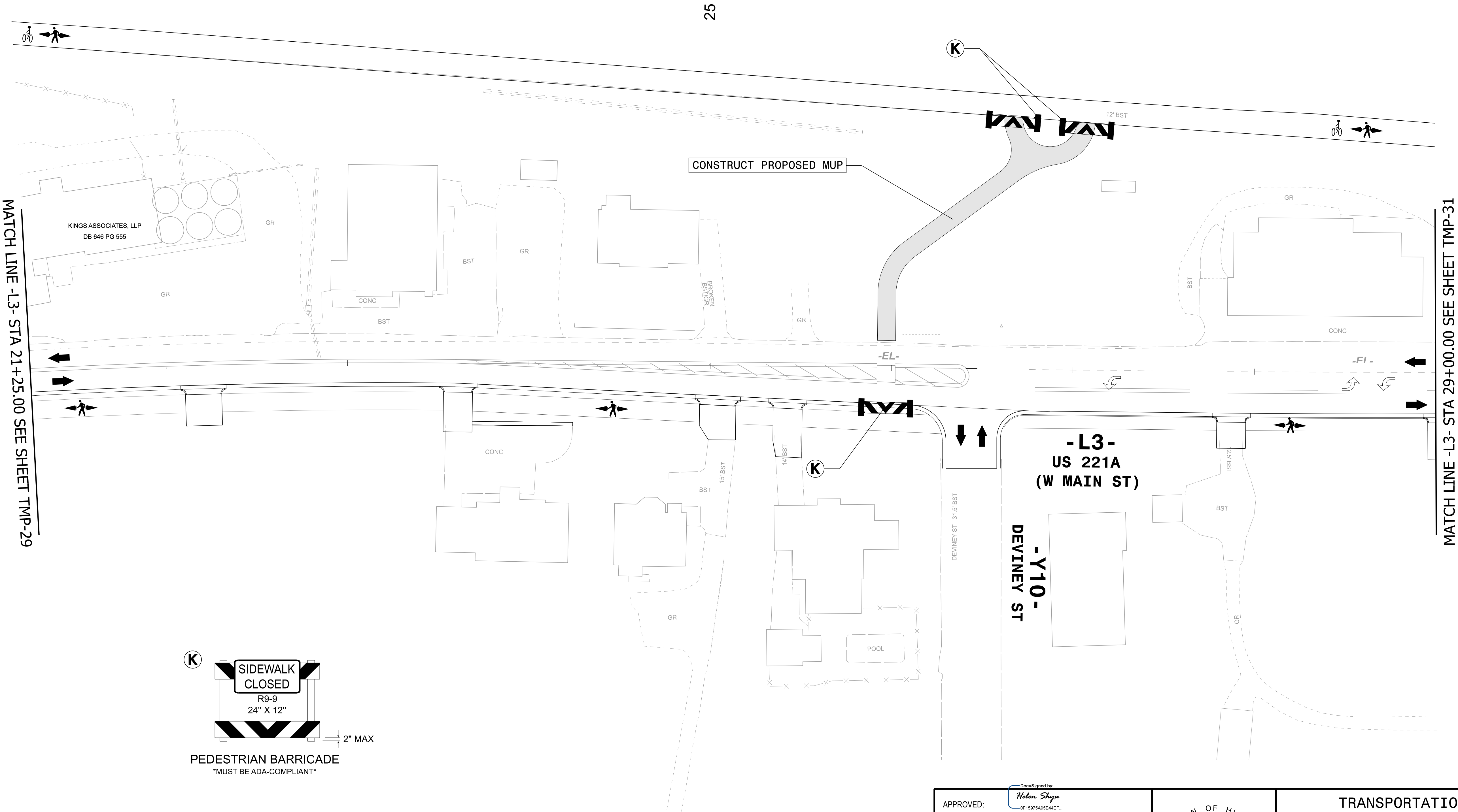
-L3- STA 15+75
END GRADE

- L3 -
US 221A
(W MAIN ST)

-Y9-
YELTON

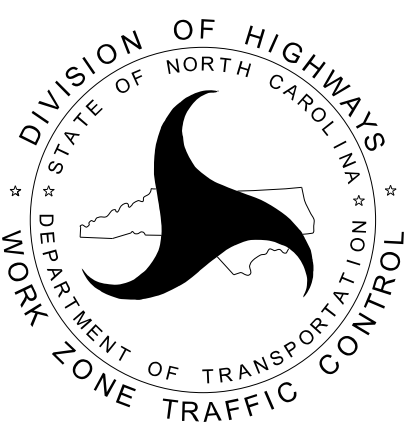
MATCH LINE -L3- STA 21+25.00 SEE SHEET TMP-30

PHASE II
DETAIL



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Raleigh, North Carolina 27609
NC License No: C-1554

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DATE:	6/10/2026
SEAL	
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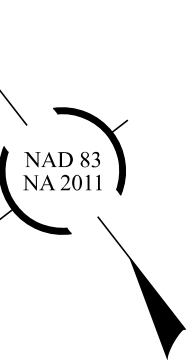
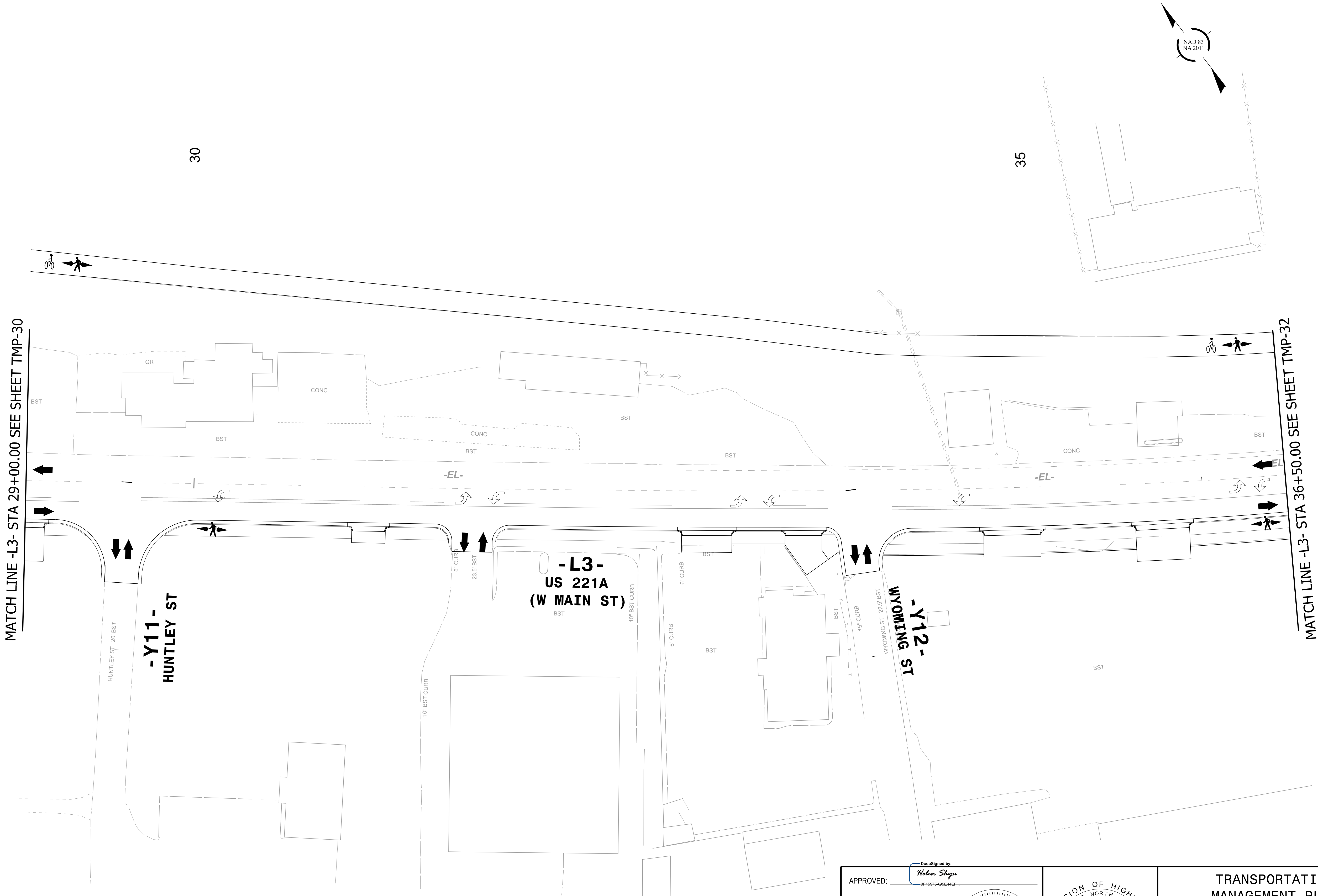


TRANSPORTATION
MANAGEMENT PLAN

PHASE II
DETAIL

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User: gdcortigue2

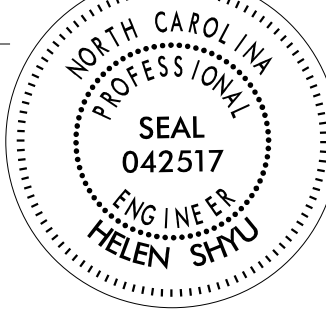
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HL-0065	TMP-31



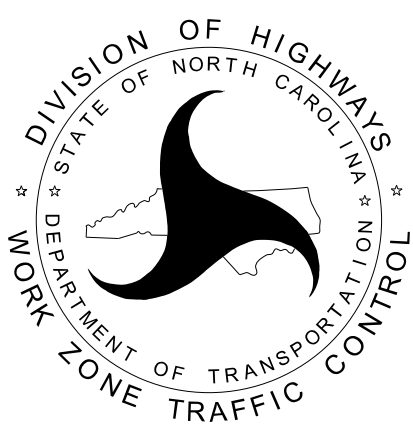
HNTB HNTB NORTH CAROLINA, P.C.
4000 Center at North Hills Street
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554

APPROVED: 
DATE: 6/10/2026

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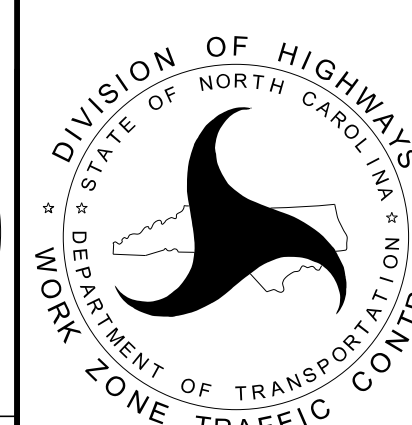
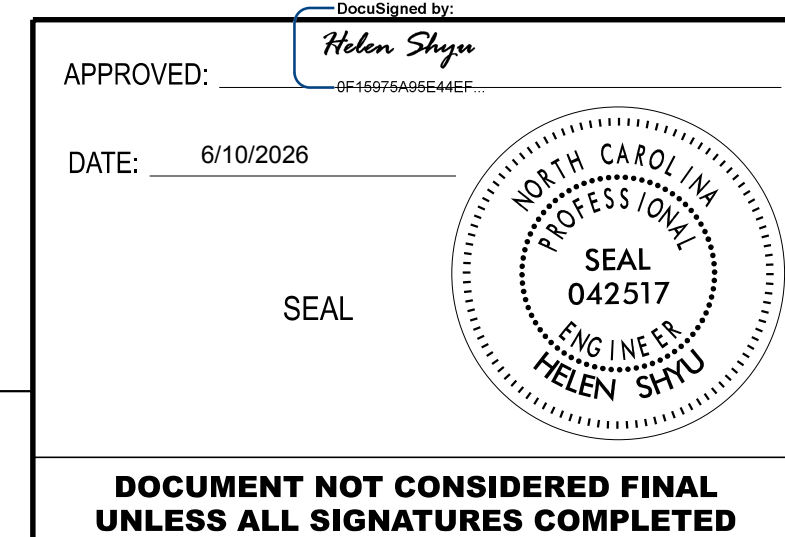
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UNLESS ALL SIGNATURES COMPLETED



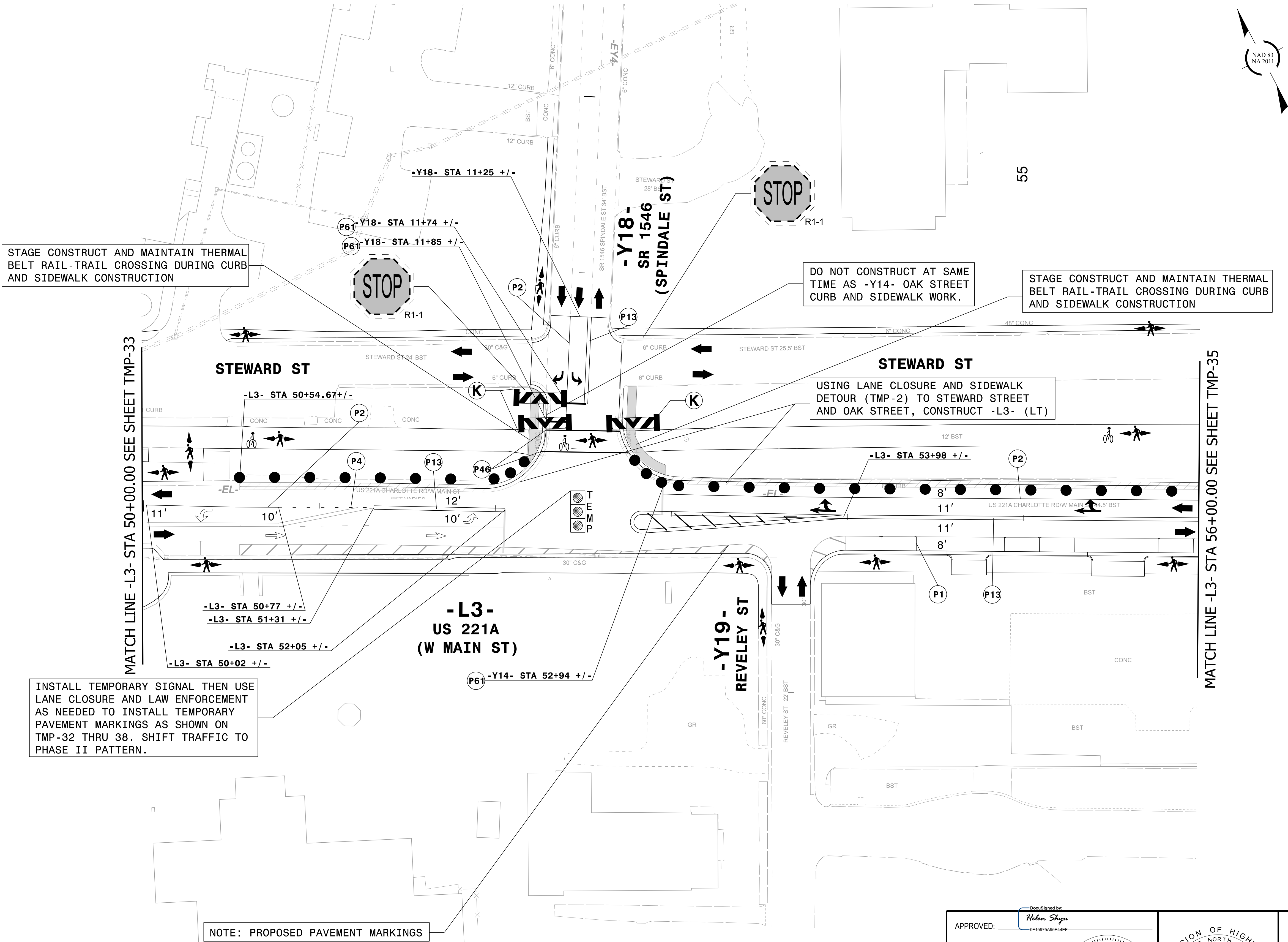
TRANSPORTATION
MANAGEMENT PLAN

PHASE II
DETAIL

APPROVED: _____ Designed by: <i>Helen Shyu</i> 0F15976A05E44EE DATE: 6/10/2026 		TRANSPORTATION MANAGEMENT PLAN PHASE II DETAIL
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		



PHASE II
DETAIL



STAGE CONSTRUCT AND MAINTAIN THERMAL BELT RAIL-TRAIL CROSSING DURING CURB AND SIDEWALK CONSTRUCTION

DO NOT CONSTRUCT AT SAME TIME AS -Y14- OAK STREET CURB AND SIDEWALK WORK.

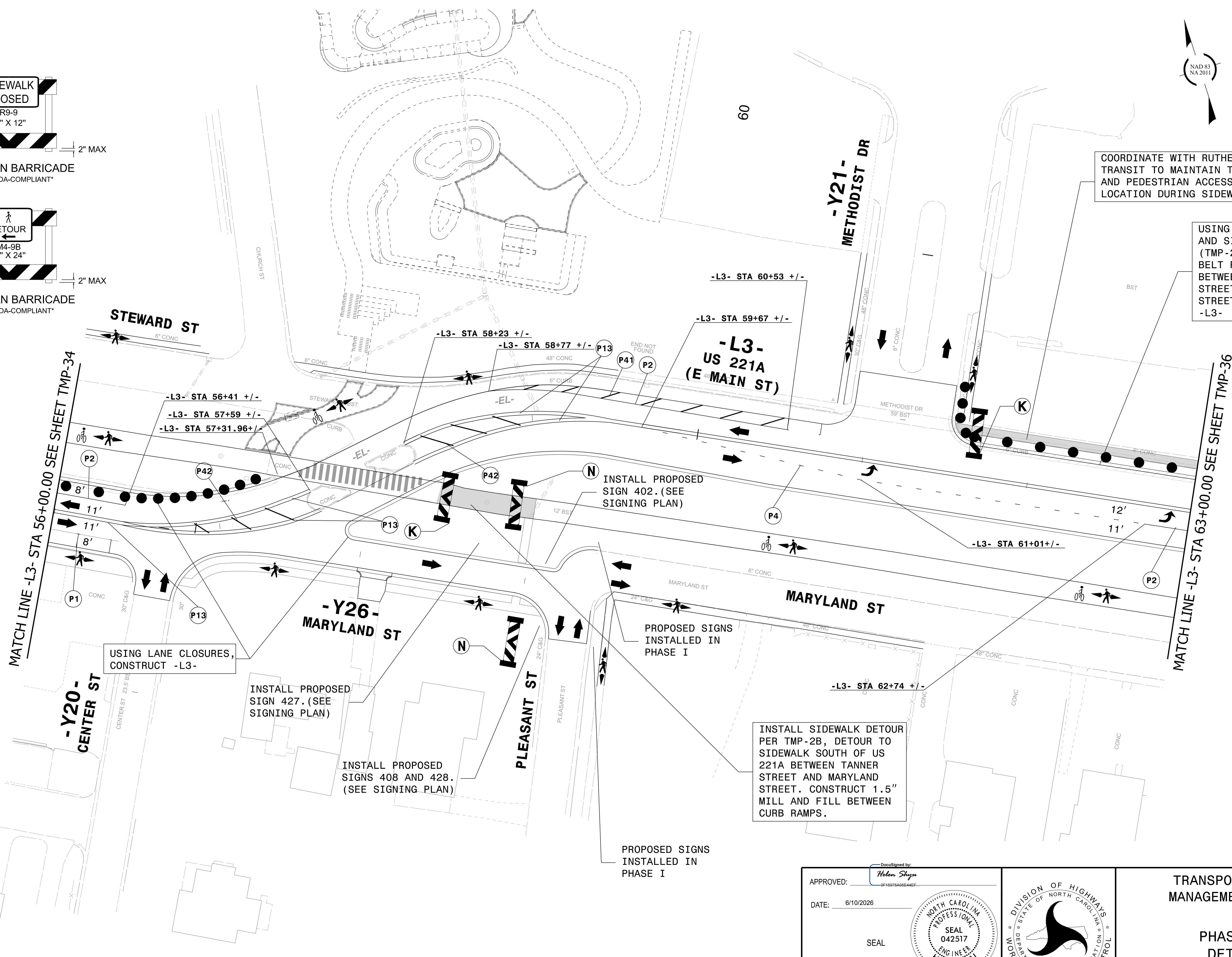
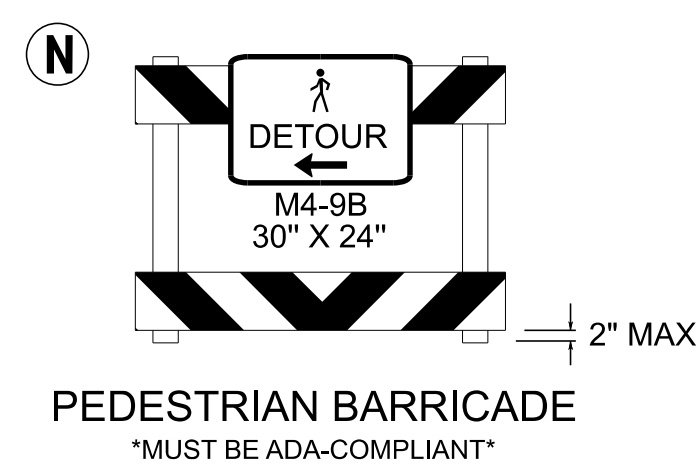
STAGE CONSTRUCT AND MAINTAIN THERMAL BELT RAIL-TRAIL CROSSING DURING CURB AND SIDEWALK CONSTRUCTION

USING LANE CLOSURE AND SIDEWALK DETOUR (TMP-2) TO STEWARD STREET AND OAK STREET, CONSTRUCT -L3- (LT)

INSTALL TEMPORARY SIGNAL THEN USE LANE CLOSURE AND LAW ENFORCEMENT AS NEEDED TO INSTALL TEMPORARY PAVEMENT MARKINGS AS SHOWN ON TMP-32 THRU 38. SHIFT TRAFFIC TO PHASE II PATTERN.

NOTE: PROPOSED PAVEMENT MARKINGS

COORDINATE WITH RUTHERFORD COUNTY TRANSIT TO MAINTAIN TRANSIT ACCESS AND PEDESTRIAN ACCESS TO TRANSIT LOCATION DURING SIDEWALK CONSTRUCTION
--



USING LANE CLOSURES
AND SIDEWALK DETOUR
(TMP-2) TO THERMAL
BELT RAIL-TRAIL
BETWEEN MARYLAND
STREET AND INDIANA
STREET, CONSTRUCT
-L3- (LT)

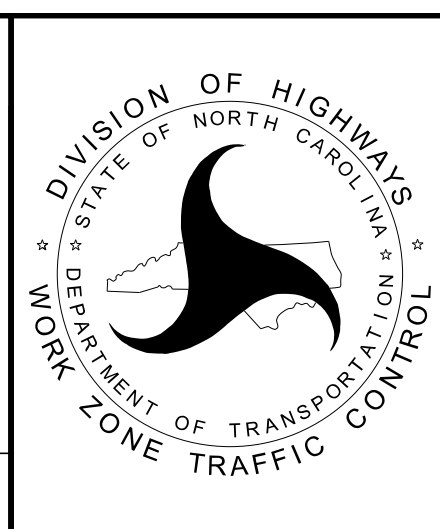
HNTB HNTB NORTH CAROLINA, P.C.
4000 Center at North Hills Street
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554

APPROVED: _____

DATE: 6/10/2026 _____

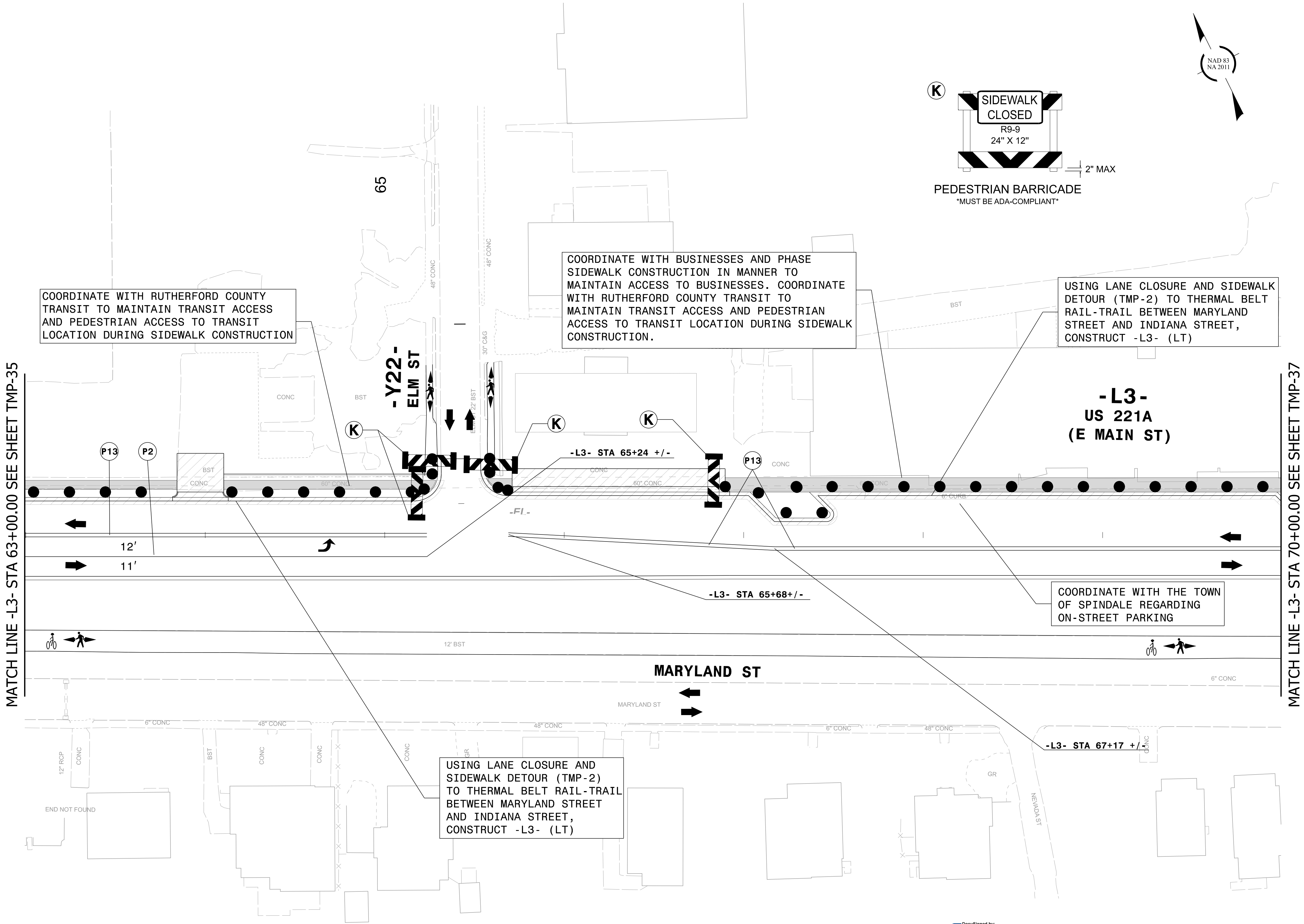
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**DOCUMENT NOT CONSIDERED FINAL
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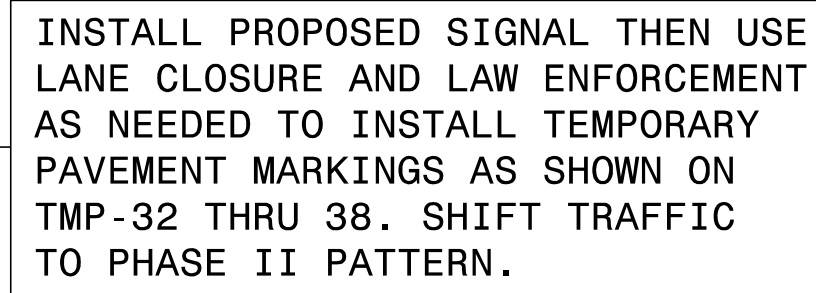


TRANSPORTATION
MANAGEMENT PLAN

PHASE II
DETAIL



APPROVED: _____ DE-15075A006E446F		TRANSPORTATION MANAGEMENT PLAN  PHASE II DETAIL
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		



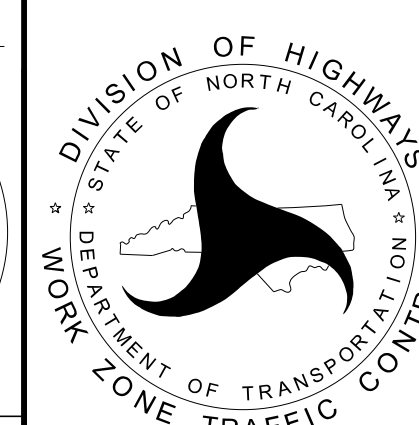
DocuSigned by:
Helen Shyn
APPROVED: _____
0F15975A05E44EF

DATE: 6/10/2026 _____

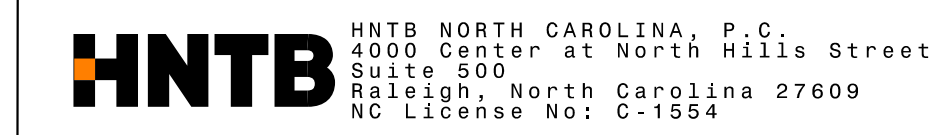
SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
042517
ENGINEER
HELEN SHYU

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PHASE II
DETAIL



EXISTING THERMAL BELT RAIL-TRAIL

US 74A (RAILROAD AVE.)

100' TRAFFIC SHIFT

100' PEDESTRIAN SHIFT

100' TRANSIT SHIFT

MATCH LINE -Y7- STA 13+00.00 SEE SHEET TMP-28

PEDESTRIAN TRANSPORT SERVICE PICKUP / DROP OFF POINT

EXISTING THERMAL BELT RAIL-TRAIL

US 74A (RAILROAD AVE.)

100' TRAFFIC SHIFT

100' PEDESTRIAN SHIFT

100' TRANSIT SHIFT

MATCH LINE -Y7- STA 13+00.00 SEE SHEET TMP-28

PEDESTRIAN TRANSPORT SERVICE PICKUP / DROP OFF POINT

APPROVED: _____

DATE: 6/10/2026

SEAL

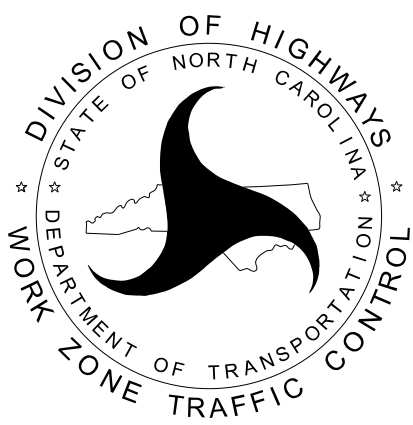
SEAL

042517

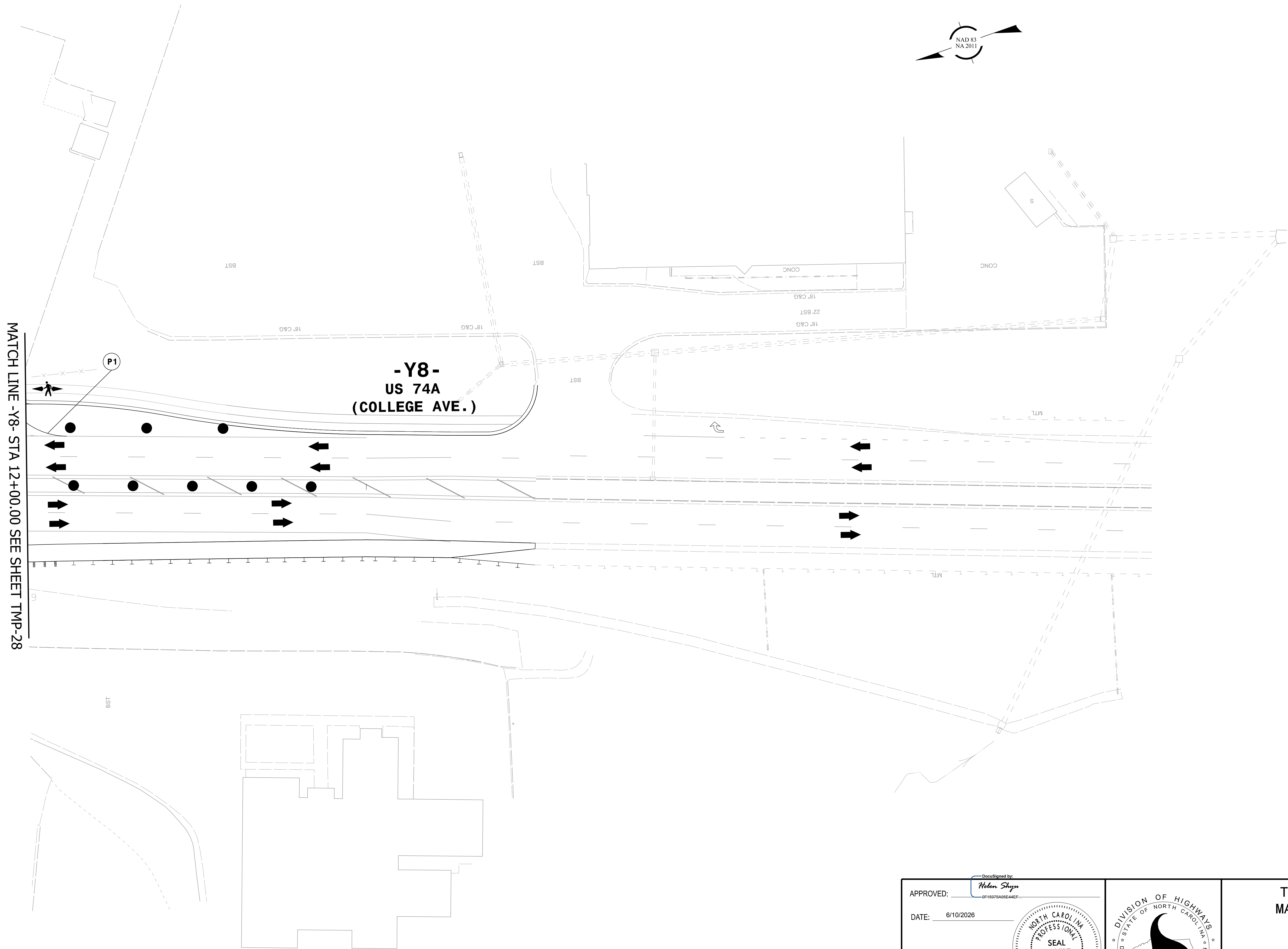
ENGINEER

HELEN SMYU

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PHASE II
DETAIL



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4000 Center at North Hills Street
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554

APPROVED: _____

(0F160F5A05E4EEF)

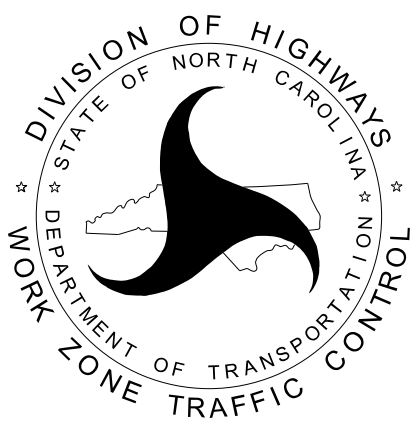
DATE: 6/10/2026 _____

SEAL



A circular seal for the North Carolina Professional Engineer. The outer ring contains the text "NORTH CAROLINA PROFESSIONAL ENGINEER" at the top and "SEAL" at the bottom. The center of the seal contains the text "SEAL 042517 ENGINEER HELEN SMYU".

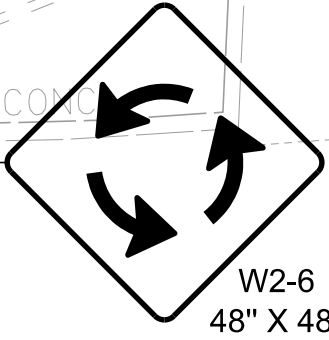
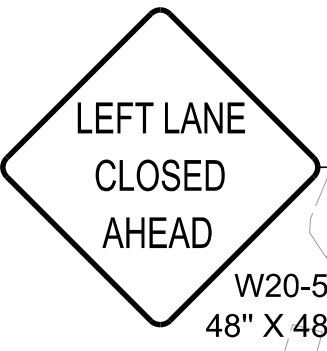
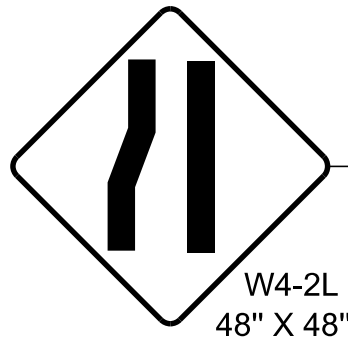
**DOCUMENT NOT CONSIDERED FINAL
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TRANSPORTATION MANAGEMENT PLAN

PHASE II
DETAIL

PROJ. REFERENCE NO.	SHEET NO.
HL-0065	TMP - 41



COORDINATE WITH RUTHERFORD COUNTY
TRANSIT TO MAINTAIN TRANSIT ACCESS
DURING ROUNDABOUT CONSTRUCTION

MATCH LINE -L2- STA 56+00.00 SEE SHEET TMP-42



HNTB NORTH CAROLINA, P.C.
4000 Center at North Hills Street
Suite 500
Raleigh, North Carolina 27609
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SEAL

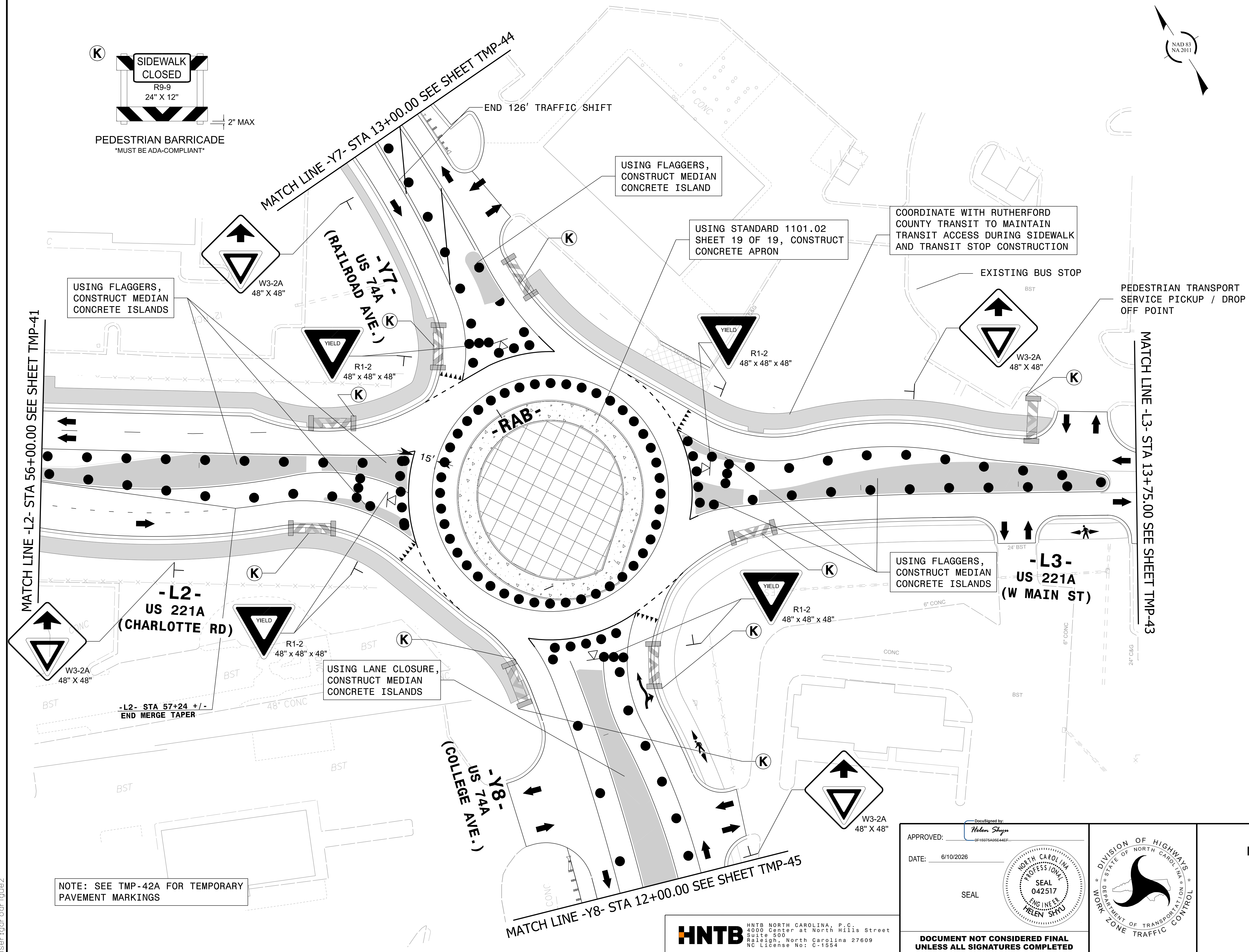
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UNLESS ALL SIGNATURES COMPLETED



TRANSPORTATION
MANAGEMENT PLAN

PHASE III
DETAIL

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User: gscorriguez



3:5:16 AM
www.saradriuez.com
https://www.intellicloud.com/projects/75957 NCD01/PW20 HL0065 US 221A/Work Zone Traffic Control/Sheets/HL-0065_TC_PLS_PHASE 3.dgn



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4000 Center at North Hills Street
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554

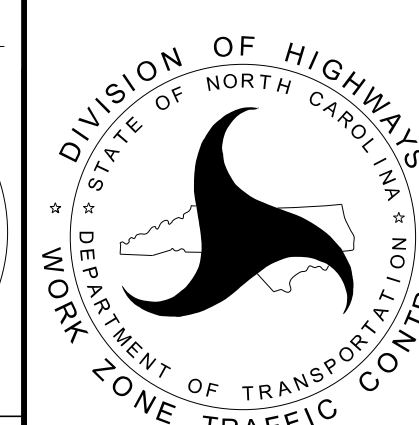
APPROVED

DATE: 6/10/2020

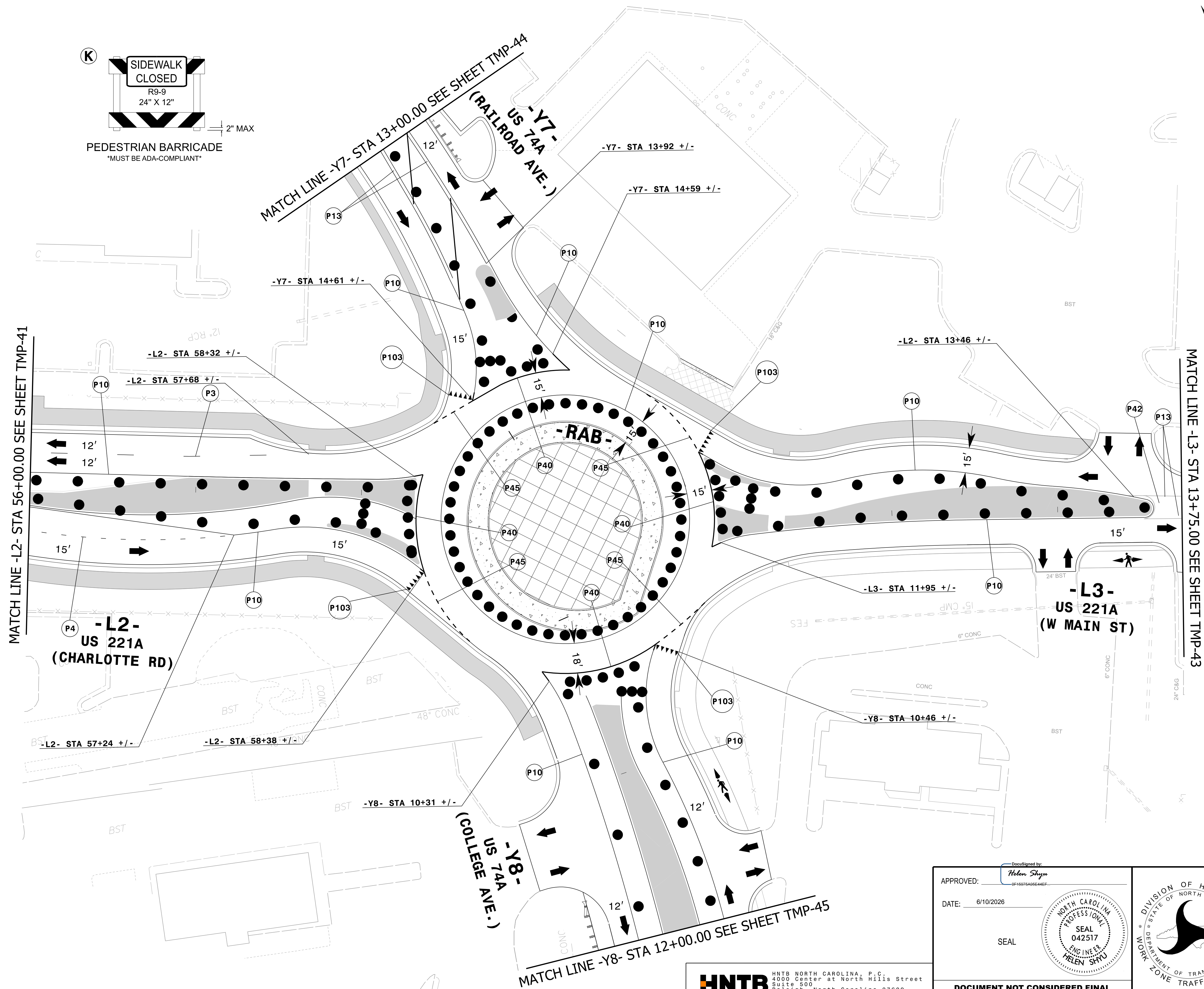
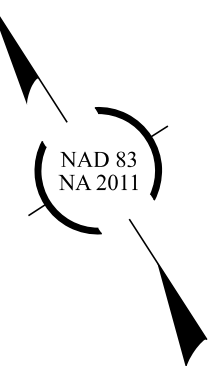
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UNLESS ALL SIGNATURES COMPLETED**

TRANSPORTATION
MANAGEMENT PLAN

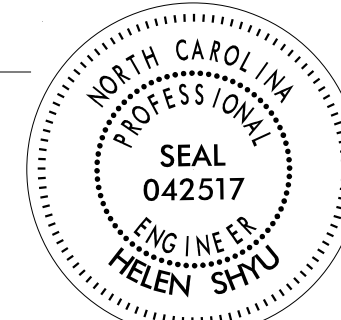
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DETAIL



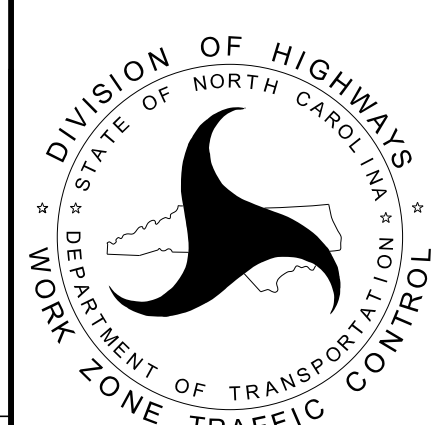
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 User:garodriguez

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NC License No: C-1554

SEAL



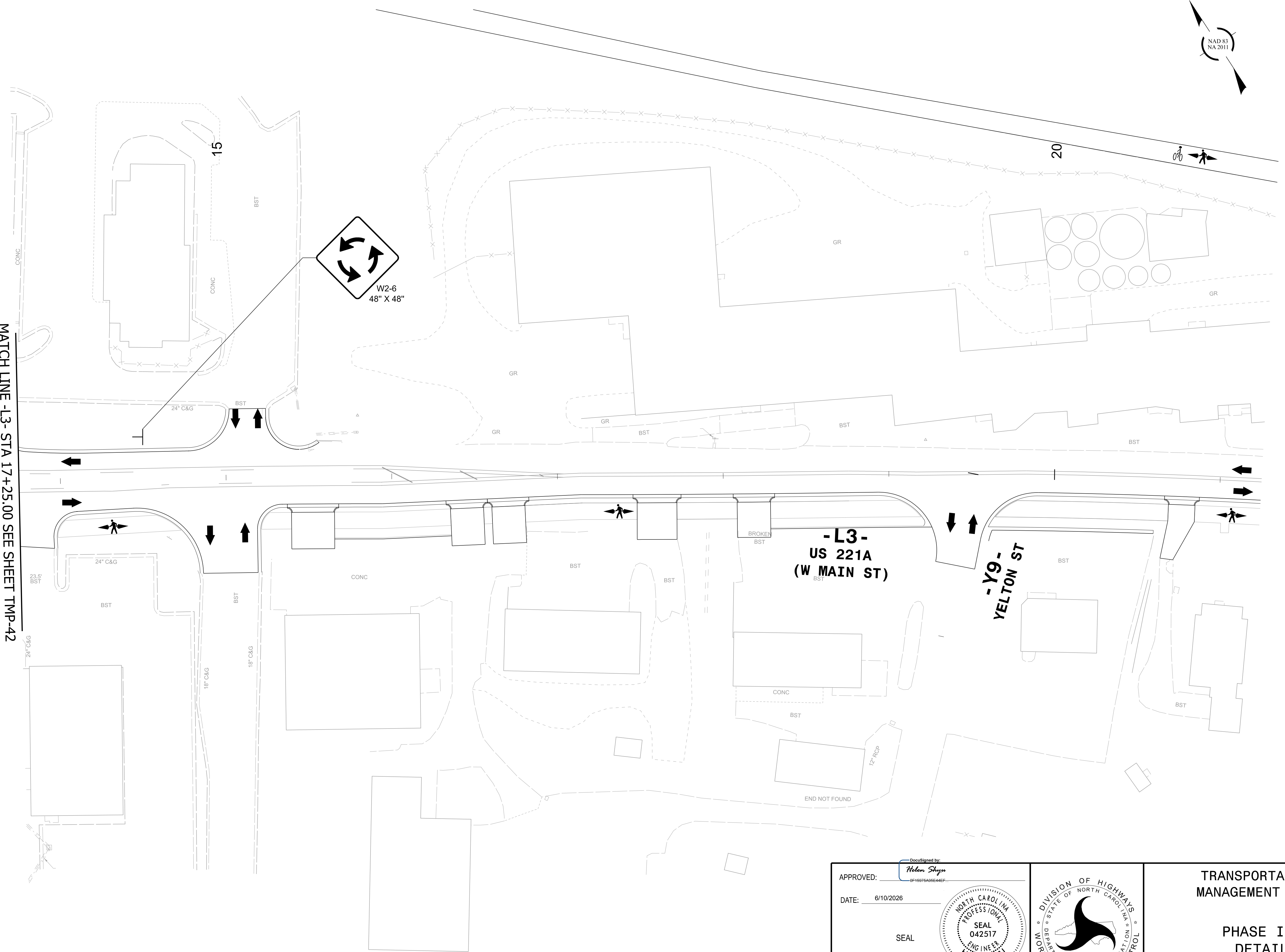
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UNLESS ALL SIGNATURES COMPLETED**



PHASE III PAVEMENT MARKINGS DETAIL

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User:rgs\corriguez

MATCH LINE -L3- STA 17+25.00 SEE SHEET TMP-42



PROJ. REFERENCE NO.	SHEET NO.
HL-0065	TMP - 43

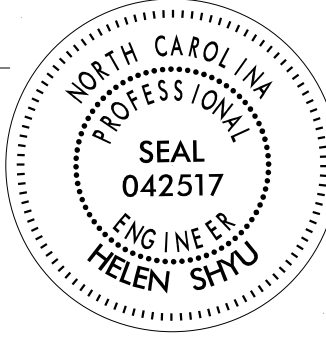




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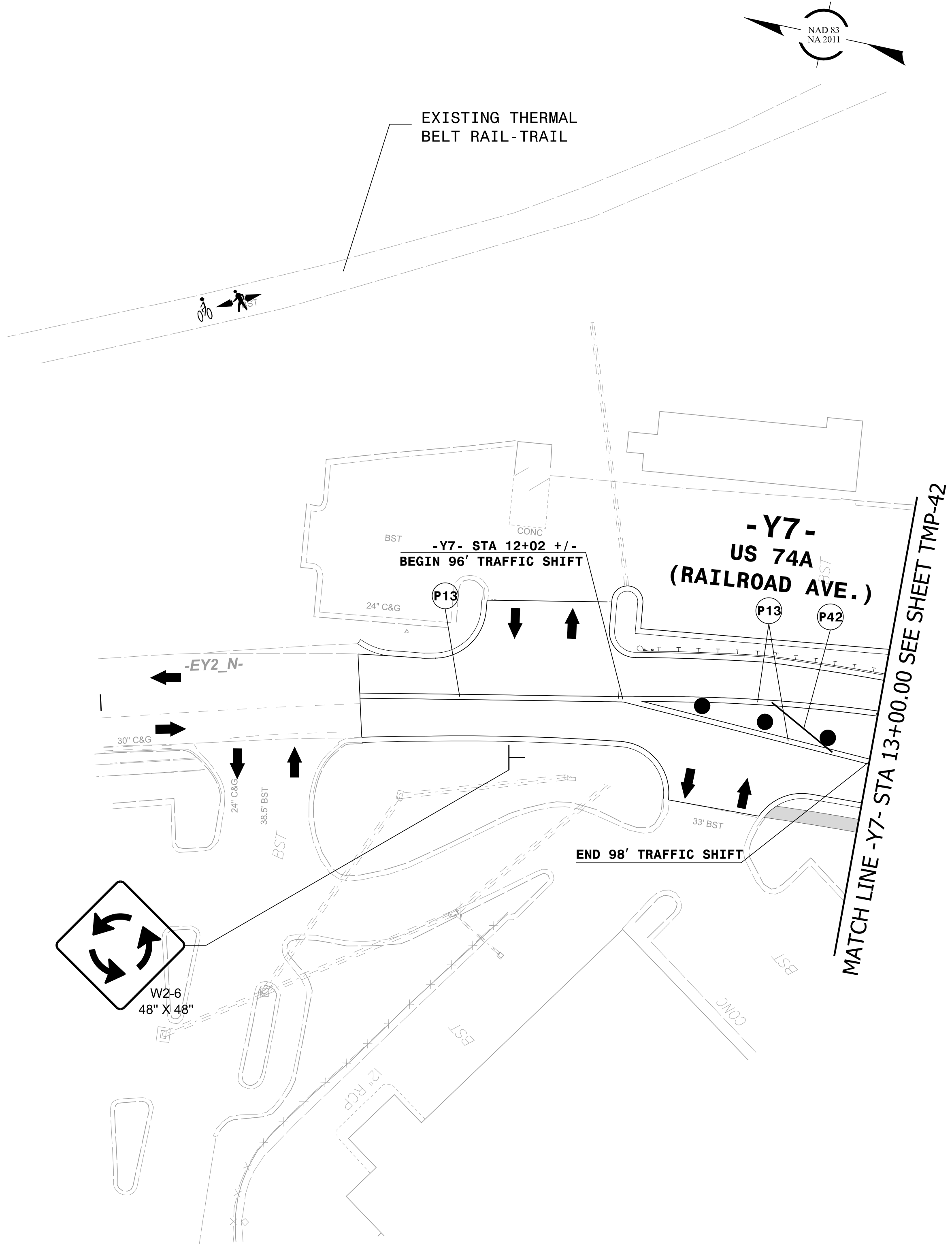
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TRANSPORTATION
MANAGEMENT PLAN

PHASE III
DETAIL

PROJ. REFERENCE NO.	SHEET NO.
HL-0065	TMP - 44

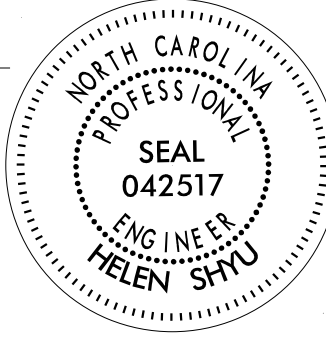


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User: gis\corriguez



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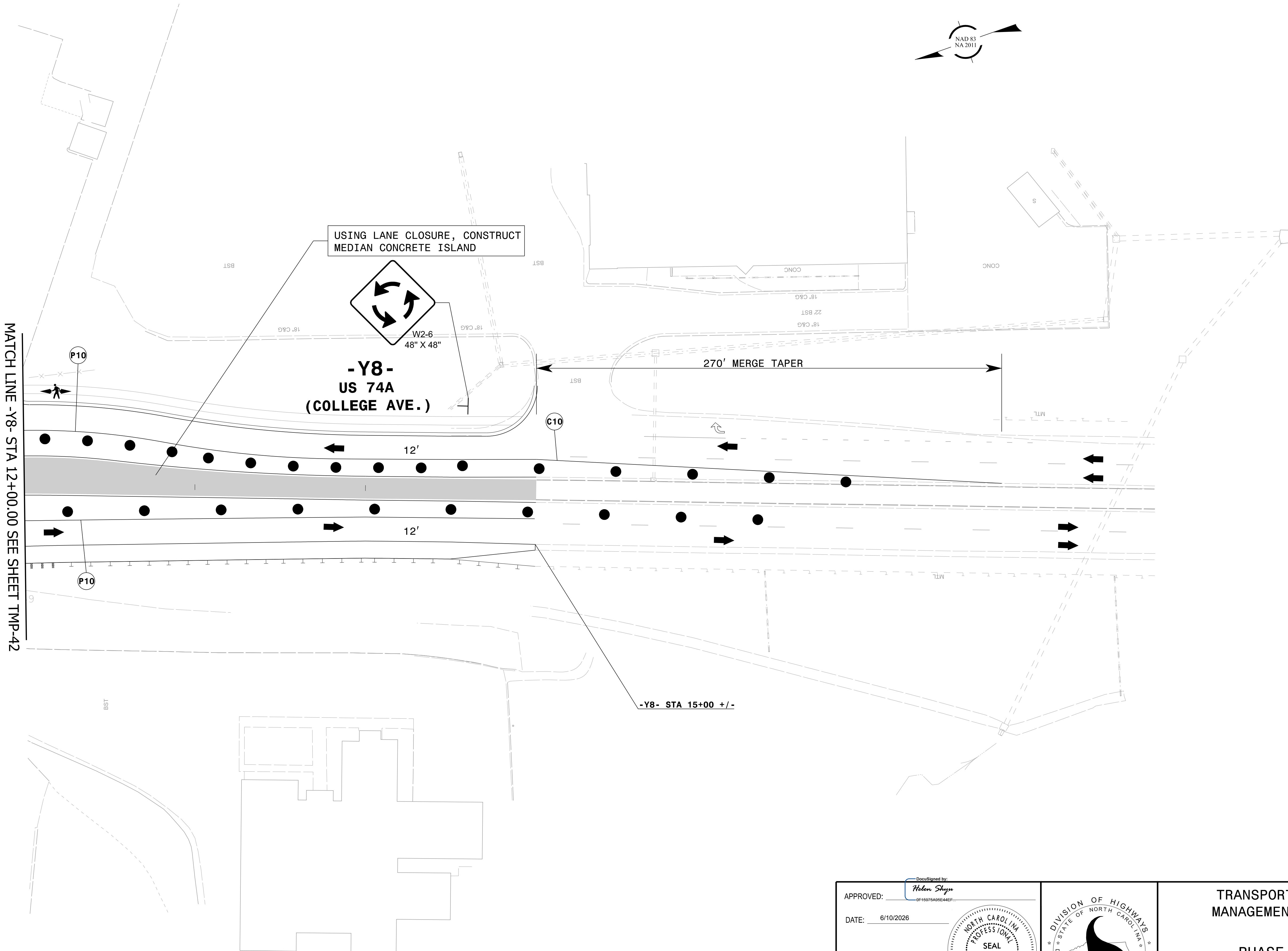
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TRANSPORTATION
MANAGEMENT PLAN

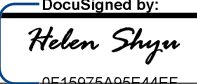
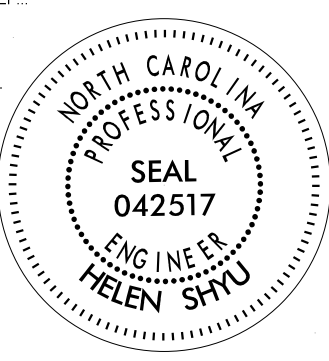
PHASE III
DETAIL

PROJ. REFERENCE NO.	SHEET NO.
HL-0065	TMP - 45



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User:rgorodriguez

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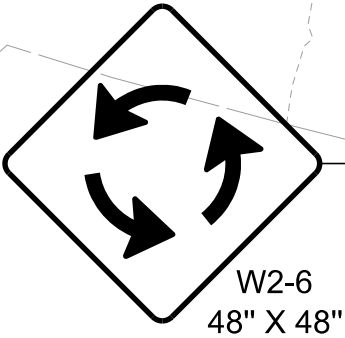
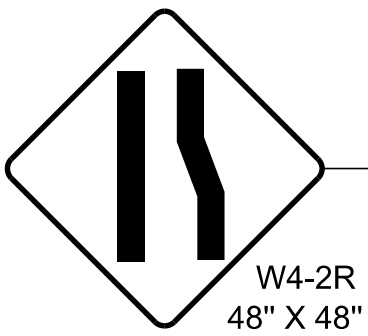
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TRANSPORTATION
MANAGEMENT PLAN

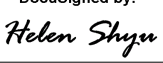
PHASE III
DETAIL

PROJ. REFERENCE NO.	SHEET NO.
HL-0065	TMP - 46

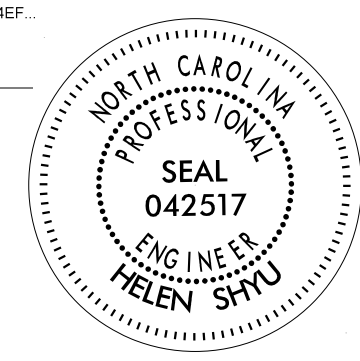


COORDINATE WITH RUTHERFORD COUNTY
TRANSIT TO MAINTAIN TRANSIT ACCESS
DURING ROUNDABOUT CONSTRUCTION

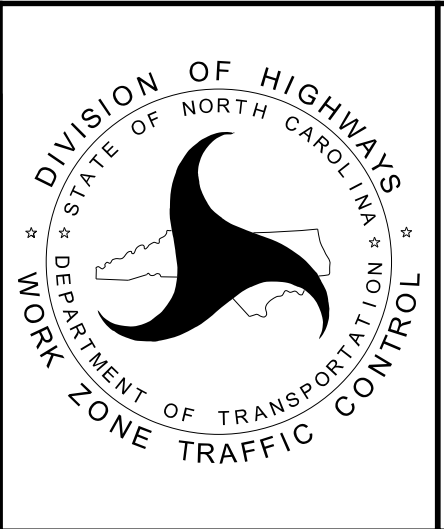
MATCH LINE -L2- STA 56+00.00 SEE SHEET TMP-47

APPROVED: 
DATE: 7/6/2026

SEAL



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UNLESS ALL SIGNATURES COMPLETED**



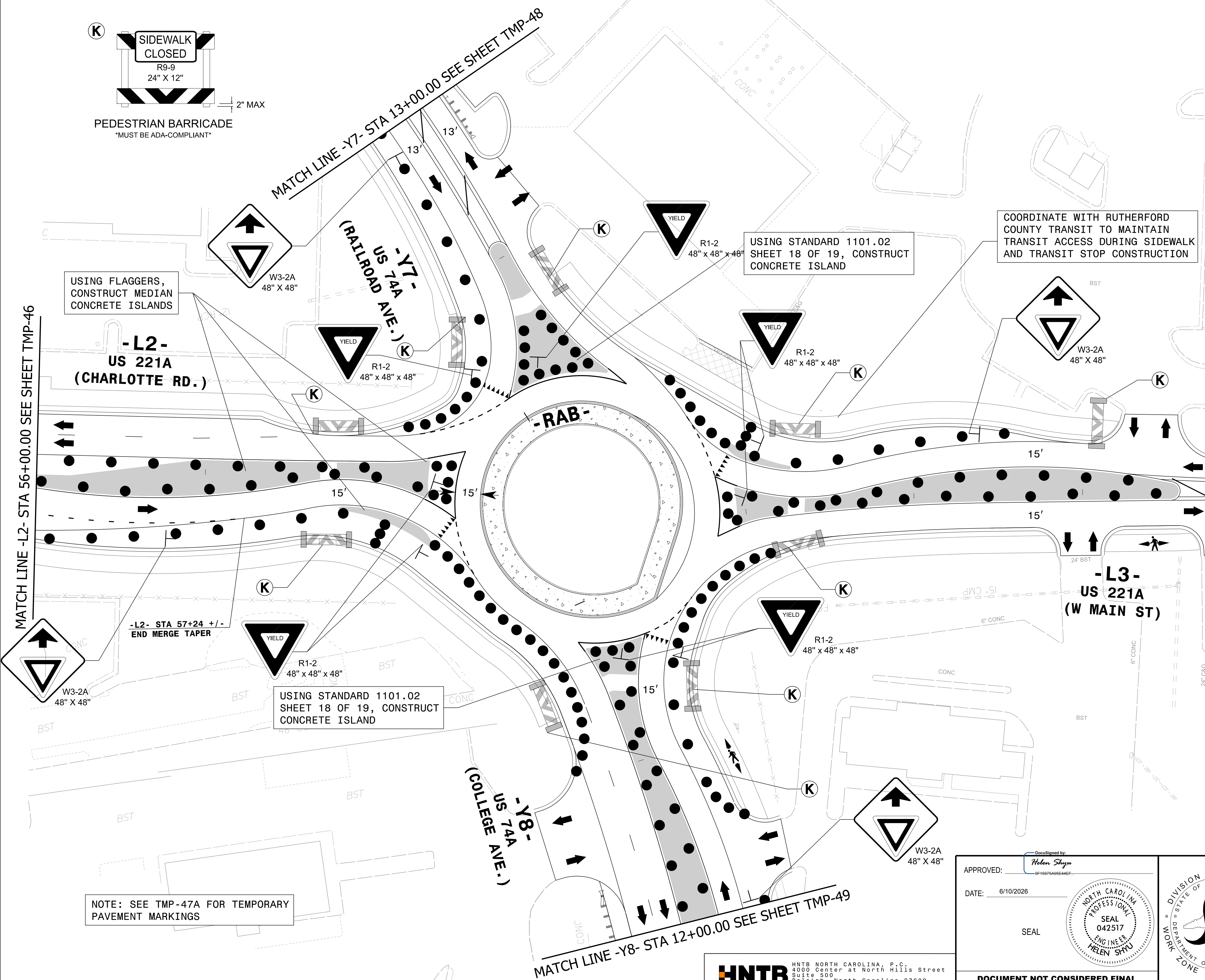
TRANSPORTATION
MANAGEMENT PLAN

PHASE IIIA
DETAIL

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PROJ. REFERENCE NO.	SHEET NO.
HL-0065	TMP - 47



USING FLAGGERS,
CONSTRUCT MEDIAN
CONCRETE ISLANDS

**-L2-
US 221A
(CHARLOTTE RD.)**

MATCH LINE -L2- STA 56+00.00 SEE SHEET TMP-46

-L2- STA 57+24 +/-
END MERGE TAPER

USING STANDARD 1101.02
SHEET 18 OF 19, CONSTRUCT
CONCRETE ISLAND

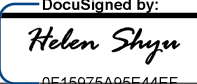
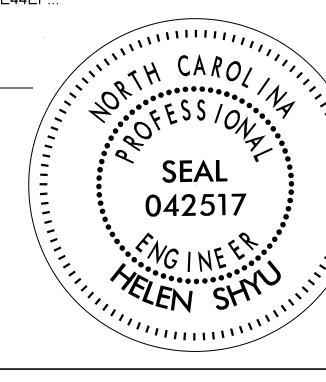
USING STANDARD 1101.02
SHEET 18 OF 19, CONSTRUCT
CONCRETE ISLAND

COORDINATE WITH RUTHERFORD
COUNTY TRANSIT TO MAINTAIN
TRANSIT ACCESS DURING SIDEWALK
AND TRANSIT STOP CONSTRUCTION

NOTE: SEE TMP-47A FOR TEMPORARY
PAVEMENT MARKINGS

MATCH LINE -Y8- STA 12+00.00 SEE SHEET TMP-49

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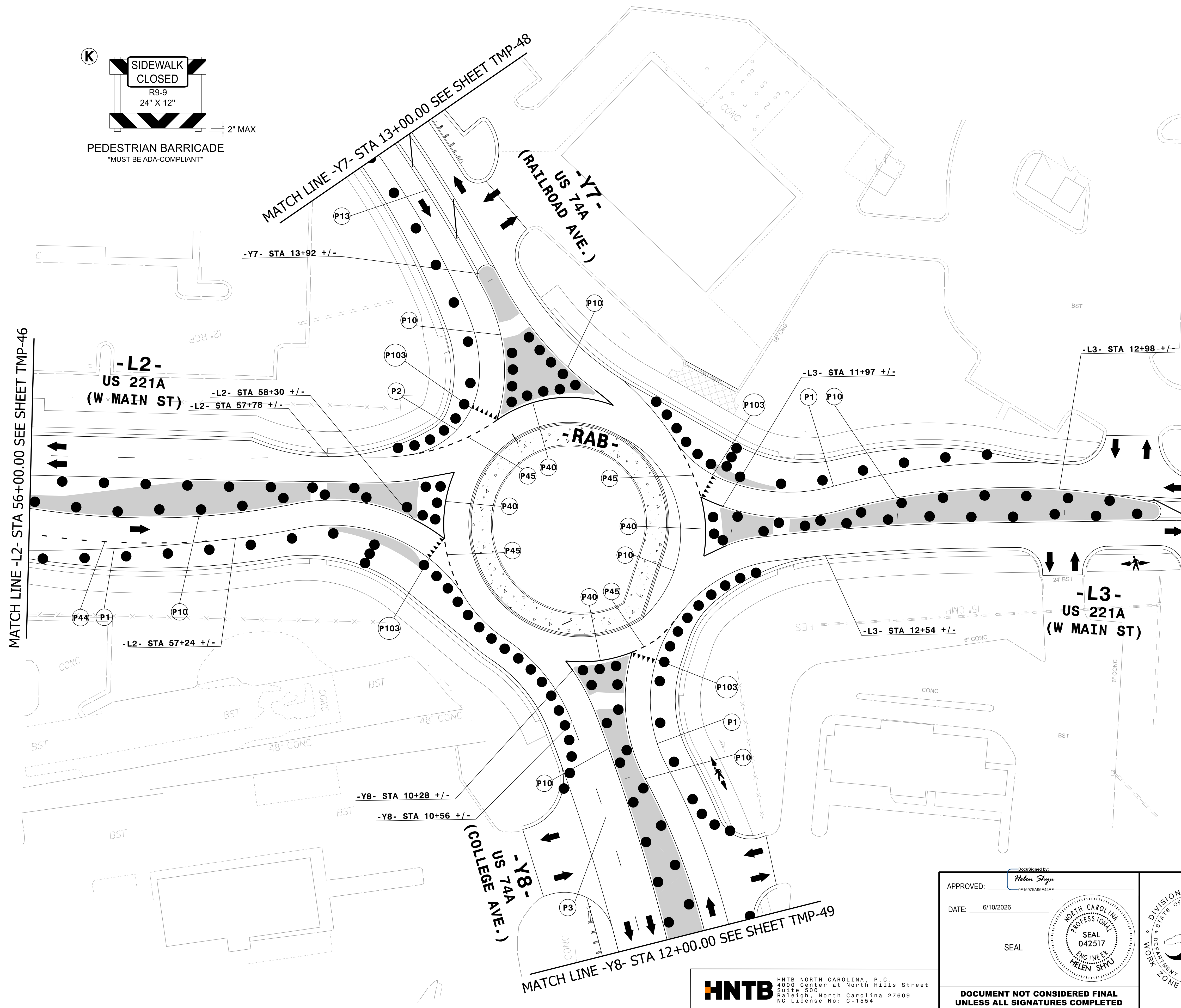
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DATE: 6/10/2026
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TRANSPORTATION
MANAGEMENT PLAN

PHASE IIIA
DETAIL

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User:rgorodriguez



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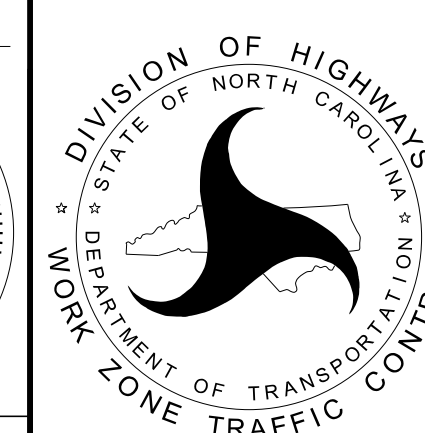
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DATE: 6/10/2026

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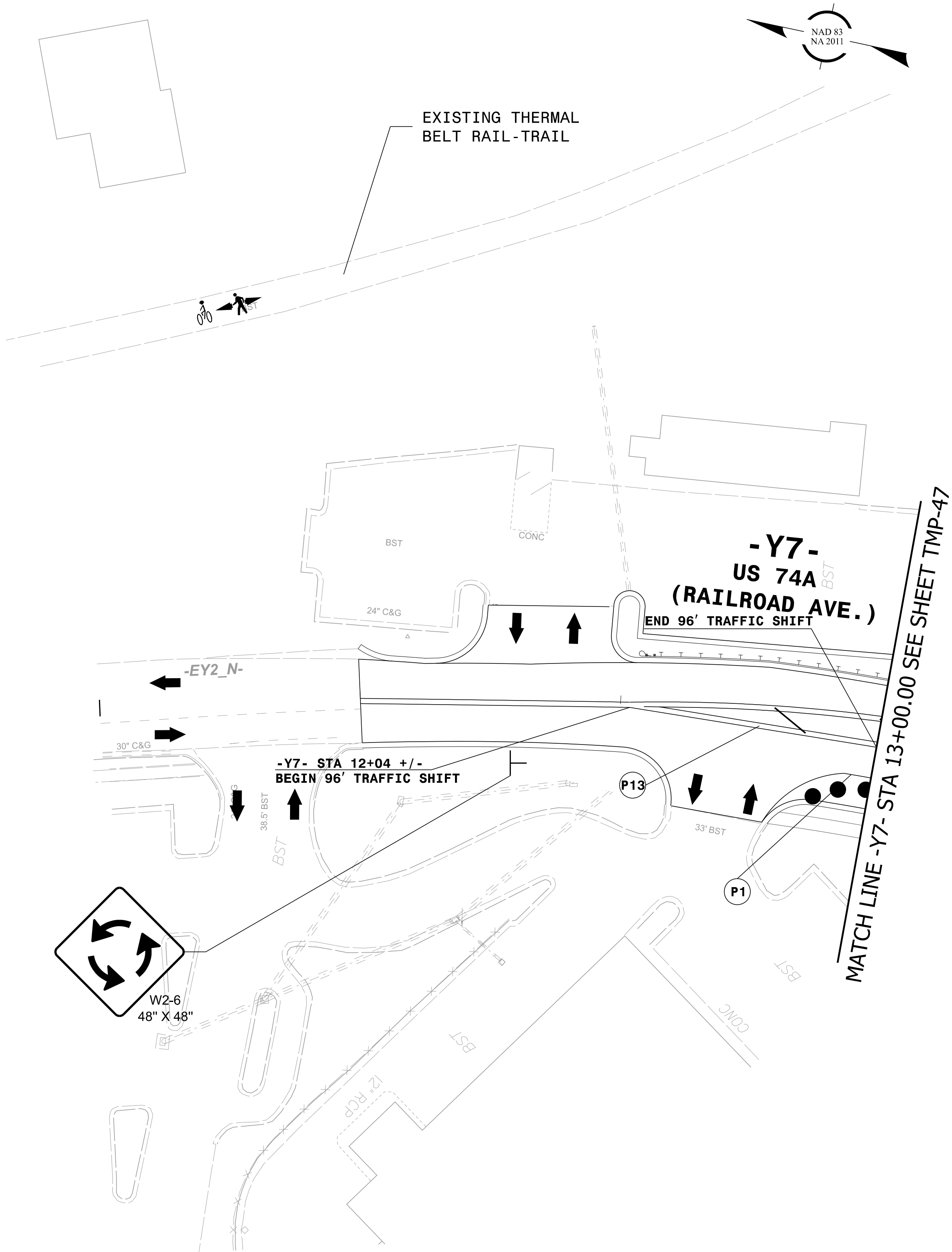


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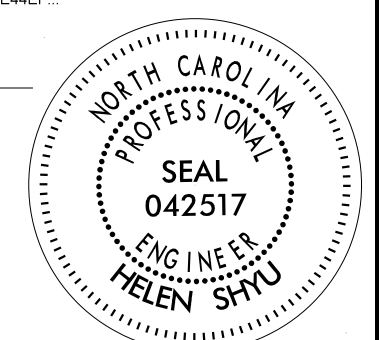
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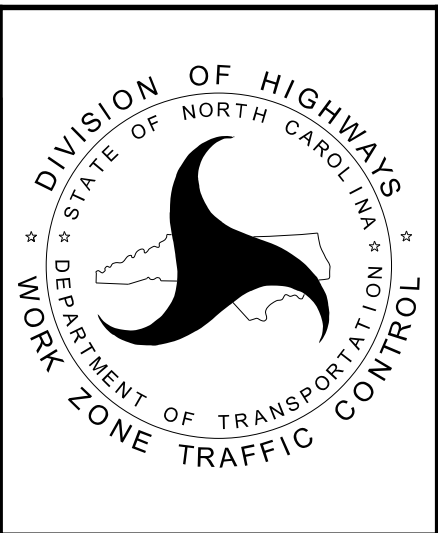
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HL-0065	TMP - 48



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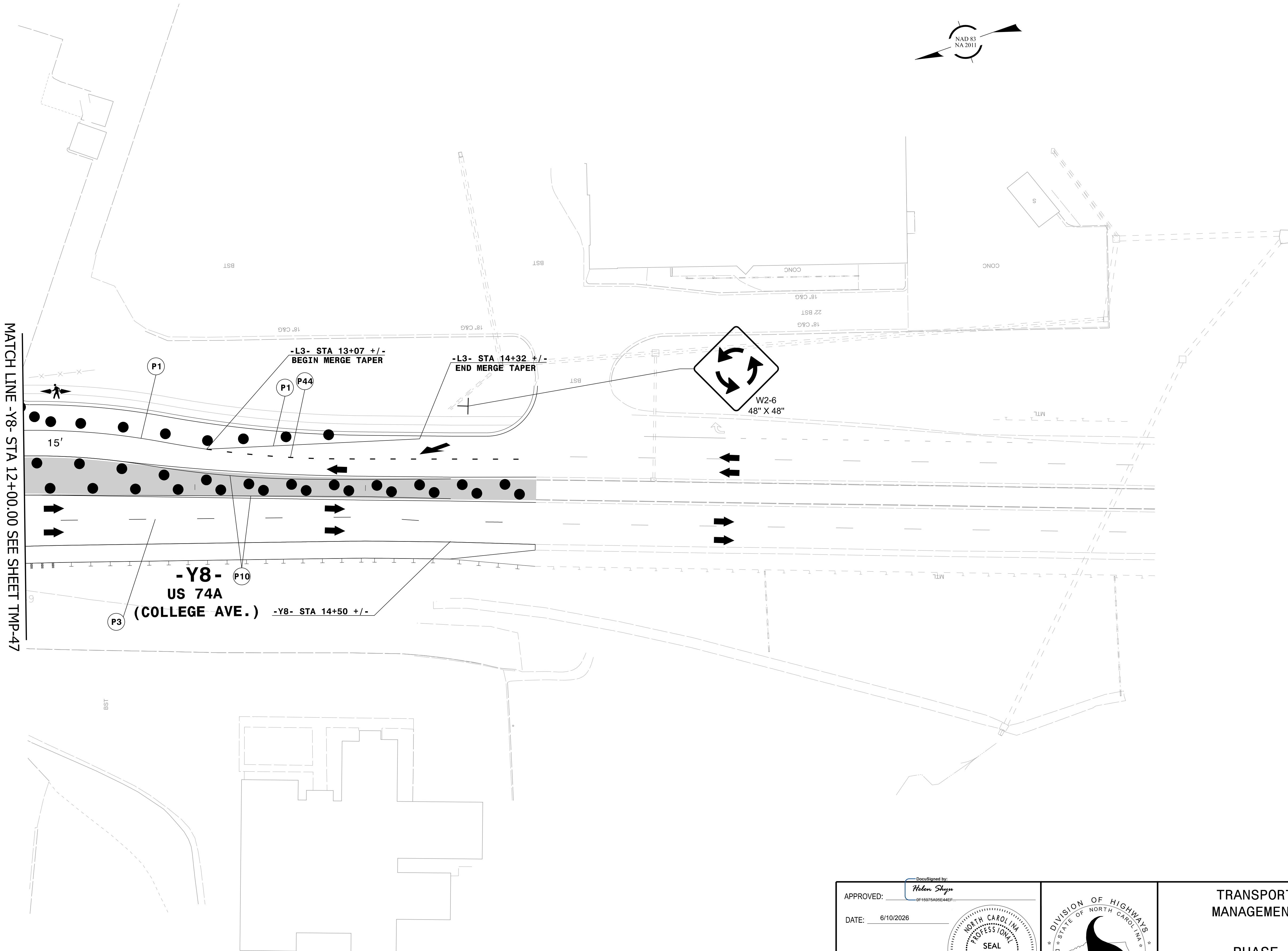
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TRANSPORTATION
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PHASE IIIA
DETAIL

PROJ. REFERENCE NO.	SHEET NO.
HL-0065	TMP - 49



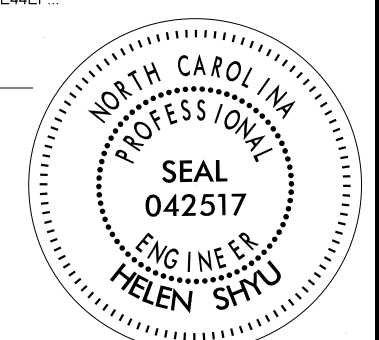
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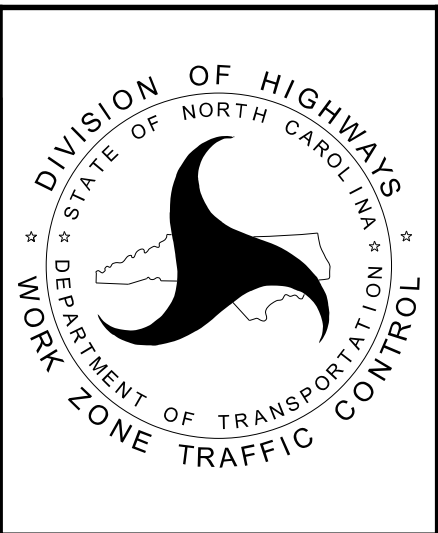
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PHASE IIIA
DETAIL