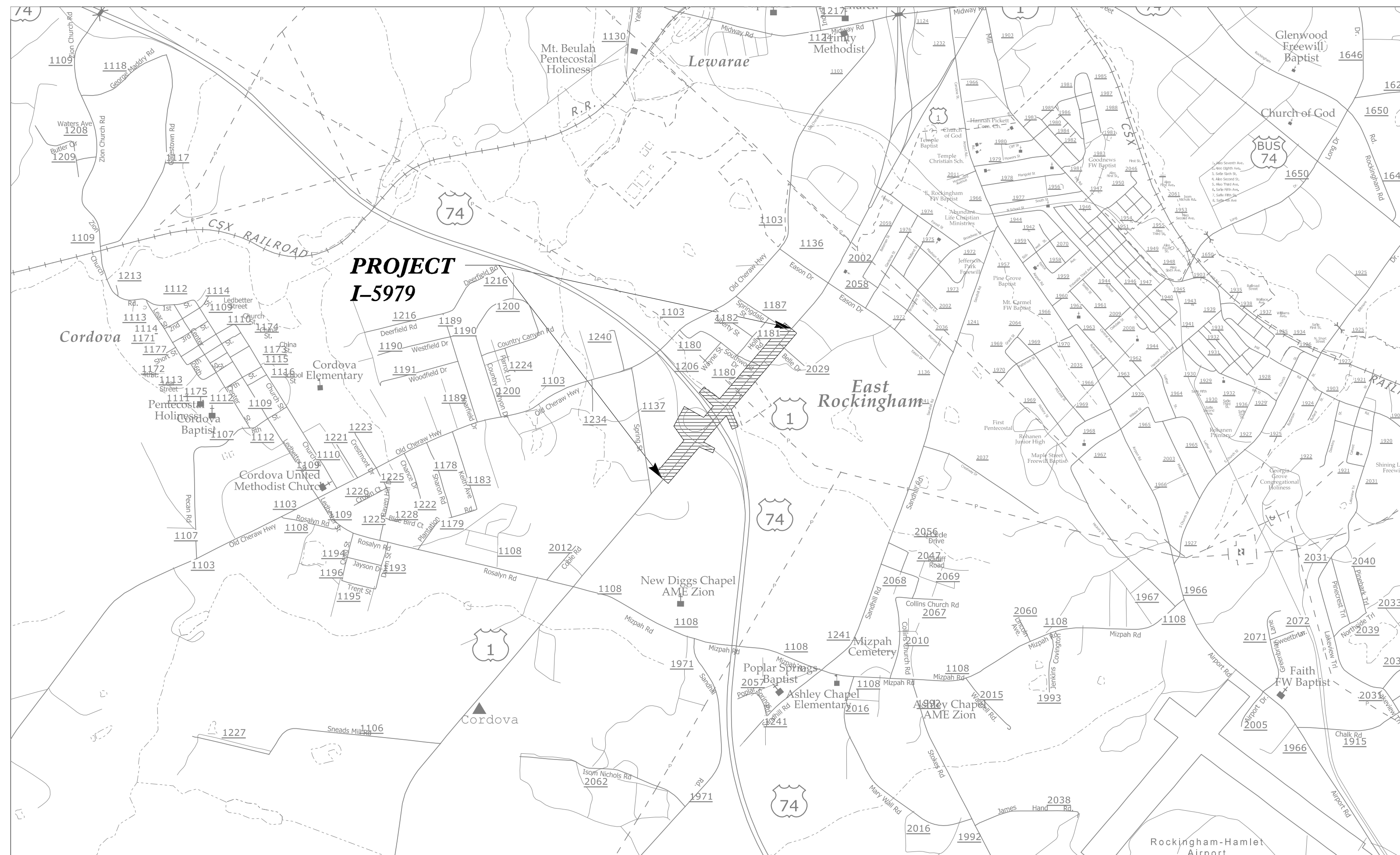
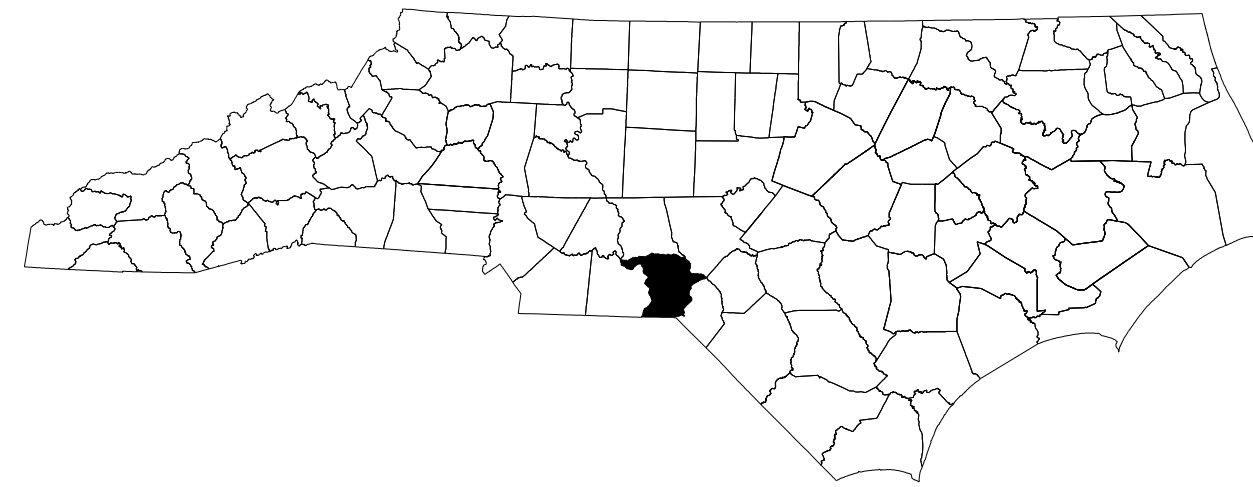


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN
RICHMOND COUNTY



VICINITY MAP

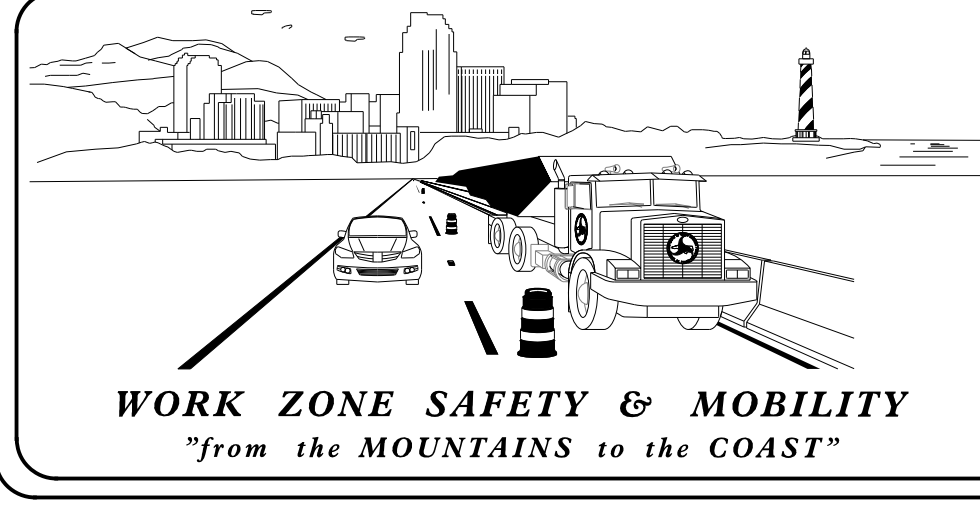
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	ROADWAY STANDARD DRAWINGS & LEGEND
TMP-1B	TRANSPORTATION OPERATIONS PLAN: GENERAL NOTES
TMP-2A THRU TMP-2D	DETOUR PLANS
TMP-3	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4 THRU TMP-6	TEMPORARY TRAFFIC CONTROL PHASE I DETAIL
TMP-7 THRU TMP-9	TEMPORARY TRAFFIC CONTROL PHASE II DETAIL
TMP-10 THRU TMP-12	TEMPORARY TRAFFIC CONTROL PHASE III DETAIL

SHEET NO.
TMP-1

I-5979

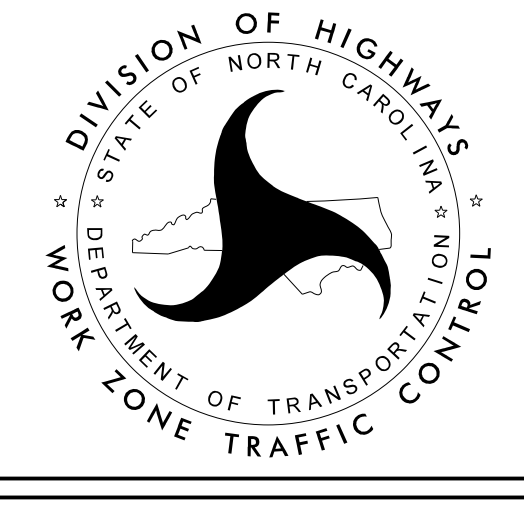
TIP PROJECT:

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



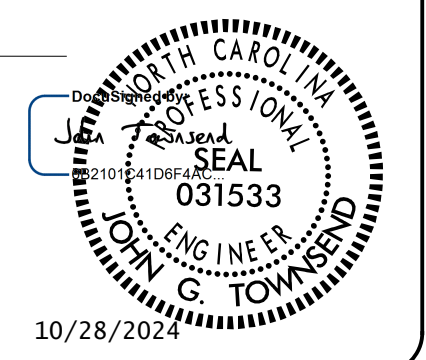
PLANS PREPARED BY:
J. TOWNSEND, PE (VHB)

NCDOT CONTACTS:
GREG DAVIS, PE
PROJECT ENGINEER
REUBEN BLAKLEY, PE
DIVISION CONSTRUCTION ENGINEER



940 Main Campus Drive, Suite 500 Raleigh, NC 27606
NC License No. C-3705

APPROVED: _____
DATE: _____



10/28/2024

10/28/2024
R:\TrafficControl\TCP\I5979_tmp_pst01.dgn
User:jtjtownsend

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 WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
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	FLAGGING DEVICES
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 - EXITS AND ENTRANCE RAMPS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1205.15	PAVEMENT MARKINGS - REDUCED CONFLICT INTERSECTIONS
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

PROJ. REFERENCE NO.	SHEET NO.
I-5979	TMP-1A

GENERAL

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

- WORK AREA
- WEDGING
- TEMPORARY WEDGING
- TEMPORARY PAVEMENT

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

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

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

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

TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PAINT (4")		PAINT (12")
P1	WHITE EDGELINE	P50	WHITE GORELINE
P2	WHITE SOLID LANE LINE	P51	WHITE DIAGONAL
P3	10 FT. WHITE SKIP	P52	YELLOW DIAGONAL
P4	3 FT.- 9 FT./SP WHITE MINISKIP	P54	3 FT. - 9 FT./SP WHITE MINISKIP
P5	2 FT. - 6 FT./SP WHITE MINISKIP		PAINT (24")
P10	YELLOW EDGELINE	P61	WHITE STOPBAR
P11	YELLOW SINGLE CENTER		PAINT PAVEMENT MARKING SYMBOL
P12	10 FT. YELLOW SKIP	P70	LEFT TURN ARROW
P13	YELLOW DOUBLE CENTER	P71	RIGHT TURN ARROW
P14	2 FT. - 6 FT./SP YELLOW MINISKIP	P72	STRAIGHT ARROW
	PAINT (6")	P73	COMBO. STRAIGHT/LEFT
P20	WHITE EDGELINE	P74	COMBO. STRAIGHT/RIGHT
P21	WHITE SOLID LANE LINE	P75	COMBO. LEFT/RIGHT ARROW
P22	10 FT. WHITE SKIP	P103	24" YIELD TRIANGLE
P23	3 FT.- 9 FT./SP WHITE MINISKIP	P110	FISH-HOOK STRAIGHT ARROW
P30	YELLOW EDGELINE	P112	FISH-HOOK RIGHT/STRAIGHT ARROW
	PAINT (8")	P116	FISH-HOOK W/CIRCLE LEFT ARROW
P40	WHITE GORELINE	P117	FISH-HOOK W/CIRCLE LEFT/STRAIGHT ARROW
P41	WHITE DIAGONAL		PAINT PAVEMENT MARKING CHARACTER
P42	YELLOW DIAGONAL		ALPHANUMERIC CHAR.
P43	WHITE SOLID LANE LINE		
P44	3 FT. - 9 FT./SP WHITE MINISKIP		
P45	3 FT. - 3 FT./SP WHITE MINISKIP		

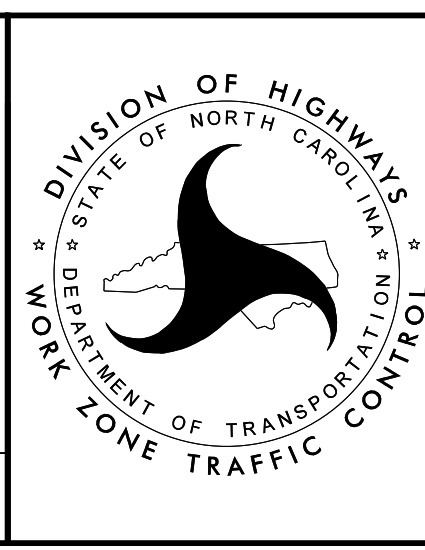
12/10/2024 R:\Traffic\TrafficControl\TCP\15979_tmp_psh01A.dgn User:Jtownsend



940 Main Campus Drive, Suite 500 Raleigh, NC 27606
NC License No. C-3705

APPROVED: _____
DATE: _____

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



**ROADWAY STANDARD
DRAWINGS & LEGEND**

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
US 74	6AM TO 7PM (MON. THRU THU.) 6AM TO 9PM (FRI. THRU SUN.)

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

ROAD NAME
US 74 AND US 1 INCLUDING ALL RAMPS AND LOOP

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 AM DECEMBER 31st TO 7:00 PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 7:00 PM THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 AM THURSDAY AND 7:00 PM MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY TO 7:00 PM TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 3:00 PM THE FRIDAY BEFORE INDEPENDENCE DAY AND 6:00 AM THE MONDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY AND 7:00 PM TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 AM TUESDAY TO 7:00 PM MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- FOR BEACH SEASON, BETWEEN THE HOURS OF 3:00 PM ON FRIDAY AND 6:00 AM ON MONDAY EACH WEEKEND BETWEEN MEMORIAL DAY AND LABOR DAY.

C) 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

- 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.

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.

G) 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.

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) 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.

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.

L) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 350 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

N) 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.

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

P) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 200 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER

Q) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE / RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

R) PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS: (SEE ALSO 1101.05)

POSTED SPEED LIMIT	MINIMUM OFFSET
40 OR LESS	15 FT
45 - 50	20 FT
55	25 FT
60 MPH or HIGHER	30 FT

TRAFFIC CONTROL DEVICES

S) 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.

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

U) 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

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

ROAD NAME	MARKING	MARKER
US 1 AND RAMPS	PAINT	TEMPORARY RAISED
ALL OTHER ROADS	PAINT	NONE

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 EXISTING AND PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO REMOVAL AND INSTALLATION.

PLACE SKINNY DRUMS TO DELINEATE ANY EXISTING AND PROPOSED MONOLITHIC ISLANDS AFTER REMOVAL AND BEFORE INSTALLATION.

MISCELLANEOUS

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

BB) 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.

CC) 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.).

DD) NOTIFY THE OVERSIZE / OVERWEIGHT PERMIT GROUP TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

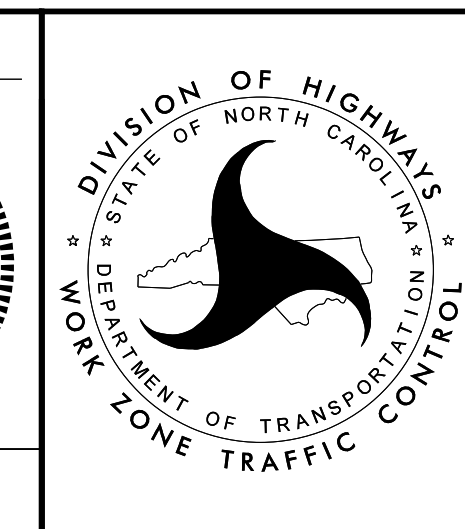
10/28/2024 R:\Trffc\TrffcControl\TCP\15979_tmp_psh01B.dgn User:Jtownsend



940 Main Campus Drive, Suite 500 Raleigh, NC 27606
NC License No. C-3705

APPROVED: _____
DATE: _____

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

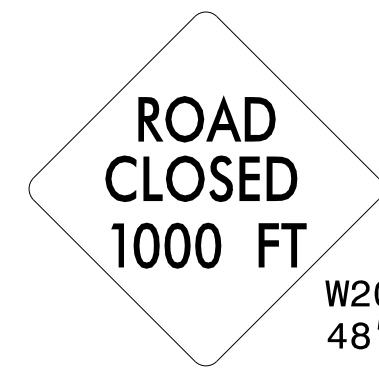


**TRANSPORTATION
OPERATIONS PLAN:
GENERAL NOTES**



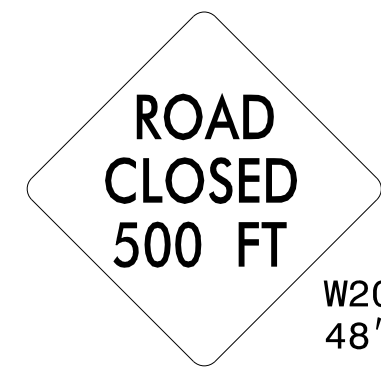
W20-3
48" x 48"

A



W20-3
48" x 48"

B



W20-3
48" x 48"

C



W20-3
48" x 48"

D

NEXT RIGHT SP-4R
42" X 12"



W20-3
48" x 48"

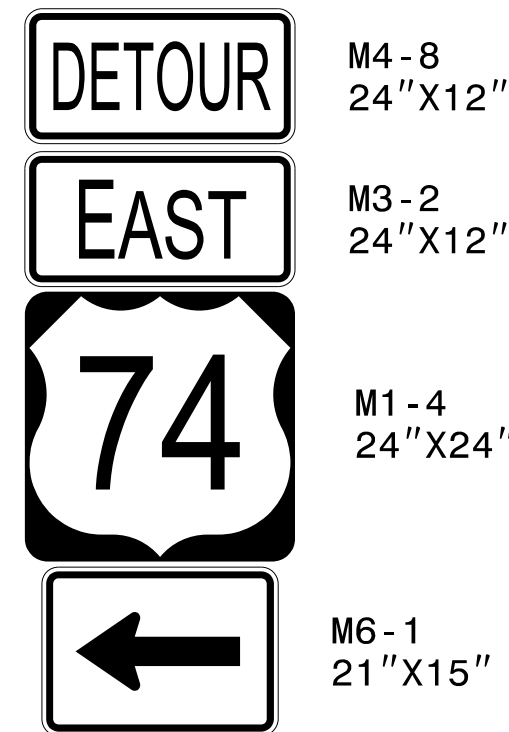
E

NEXT LEFT SP-4L
42" X 12"



W20-2
48" x 48"

F



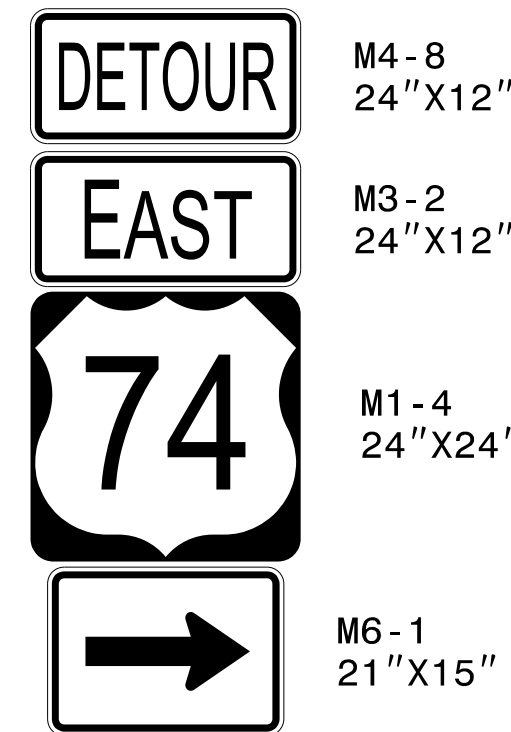
M4-8
24"X12"

M3-2
24"X12"

M1-4
24"X24"

M6-1
21"X15"

G



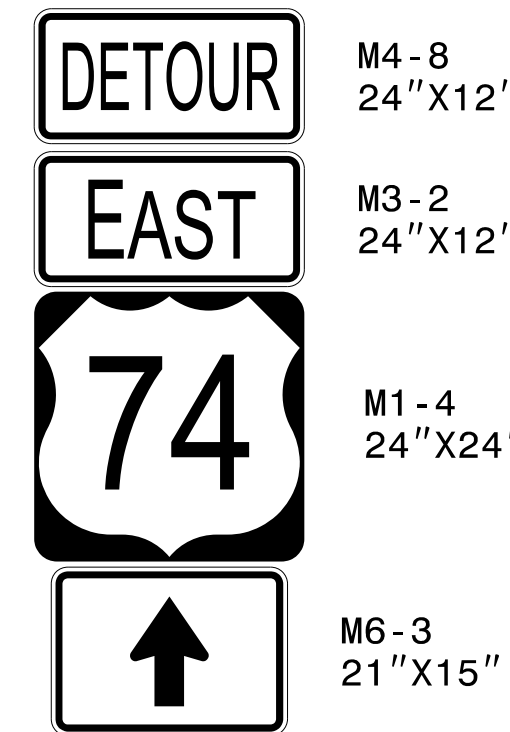
M4-8
24"X12"

M3-2
24"X12"

M1-4
24"X24"

M6-1
21"X15"

H



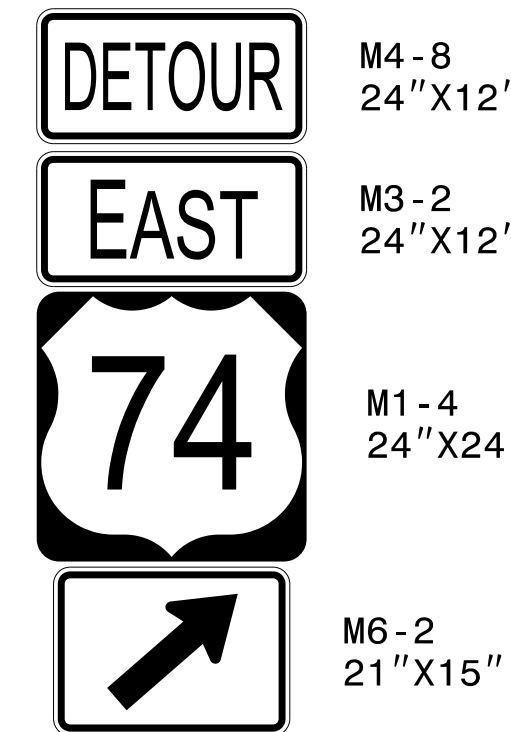
M4-8
24"X12"

M3-2
24"X12"

M1-4
24"X24"

M6-3
21"X15"

I



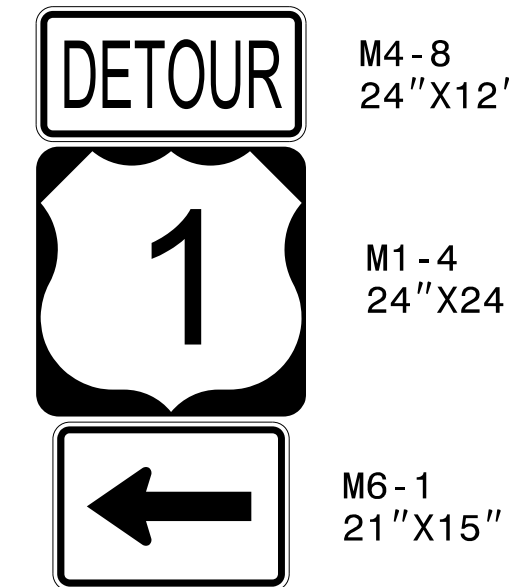
M4-8
24"X12"

M3-2
24"X12"

M1-4
24"X24"

M6-2
21"X15"

J

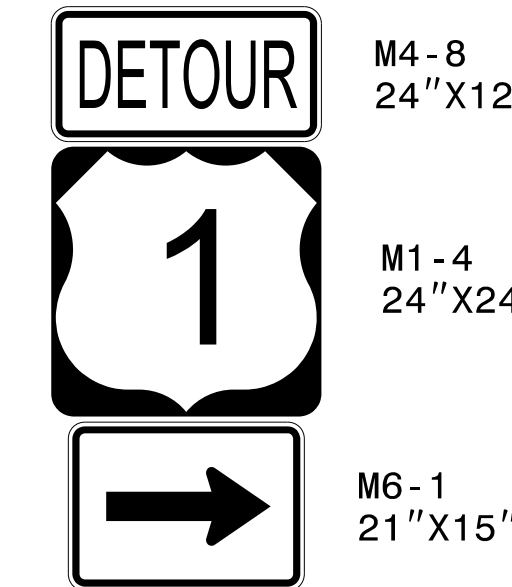


M4-8
24"X12"

M1-4
24"X24"

M6-1
21"X15"

K

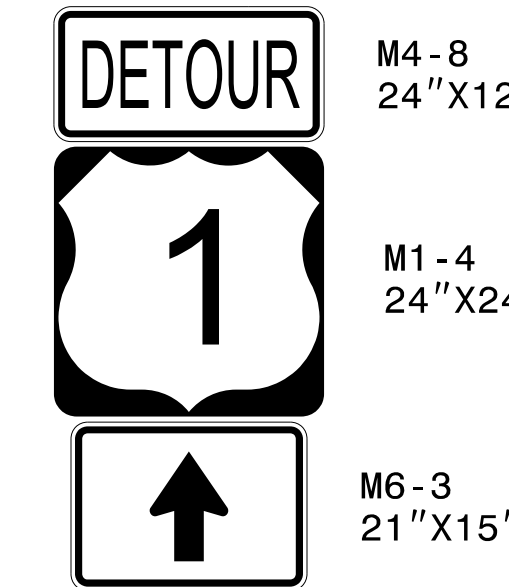


M4-8
24"X12"

M1-4
24"X24"

M6-1
21"X15"

L

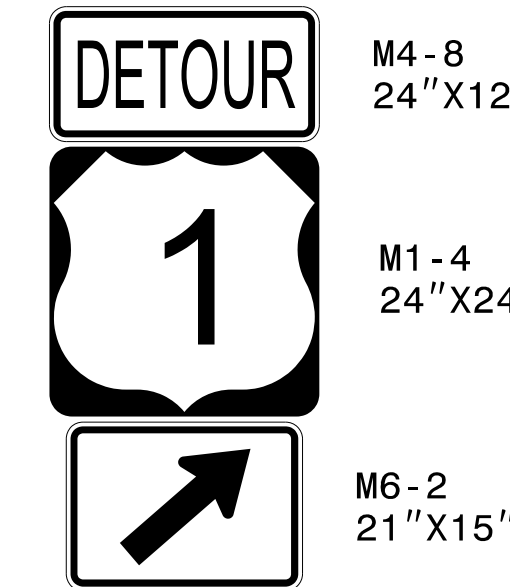


M4-8
24"X12"

M1-4
24"X24"

M6-3
21"X15"

M

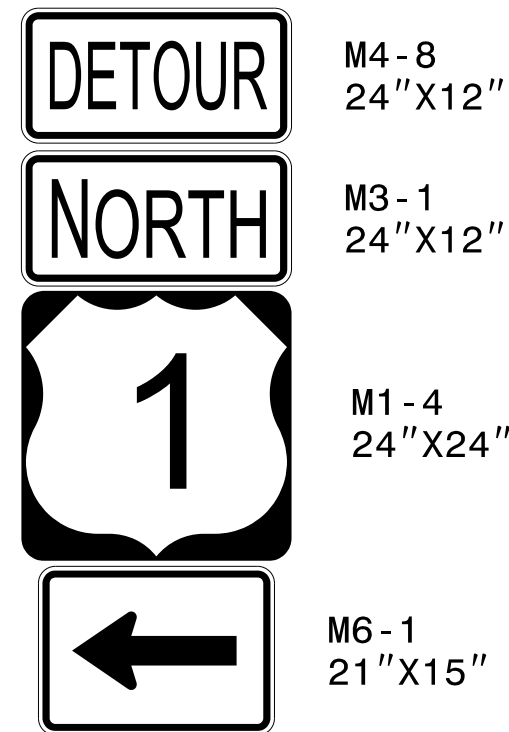


M4-8
24"X12"

M1-4
24"X24"

M6-2
21"X15"

N



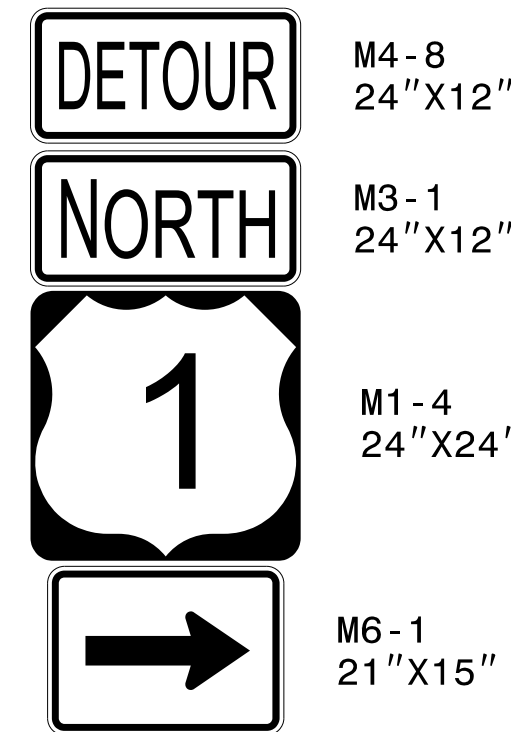
M4-8
24"X12"

M3-1
24"X12"

M1-4
24"X24"

M6-1
21"X15"

O



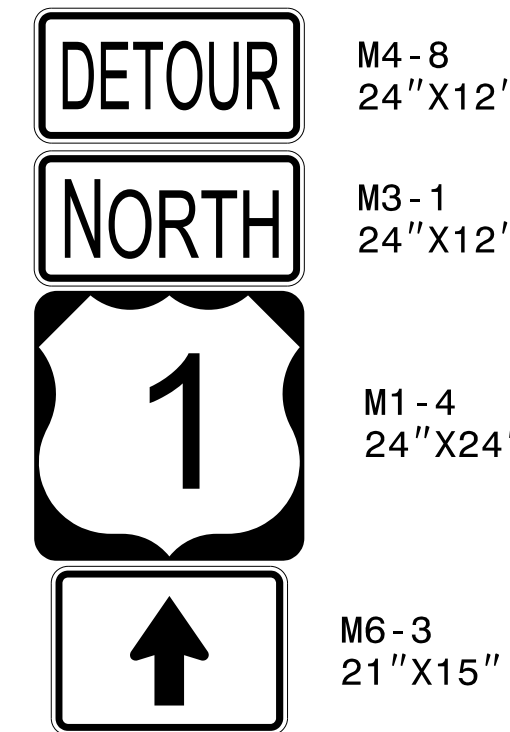
M4-8
24"X12"

M3-1
24"X12"

M1-4
24"X24"

M6-1
21"X15"

P



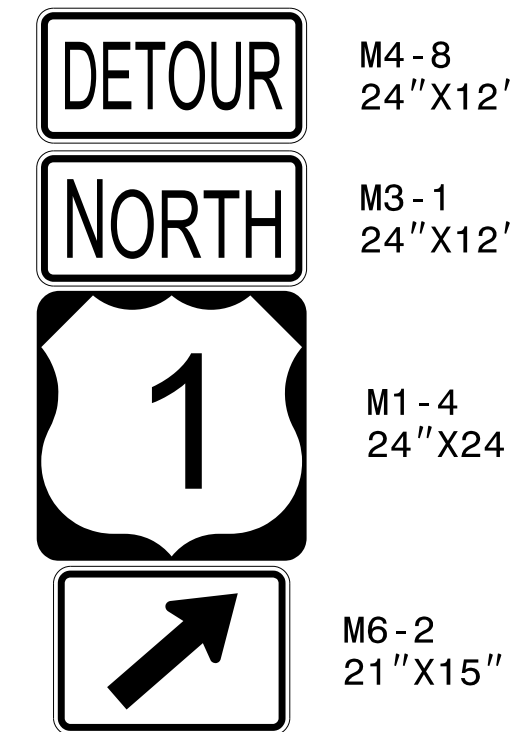
M4-8
24"X12"

M3-1
24"X12"

M1-4
24"X24"

M6-3
21"X15"

Q



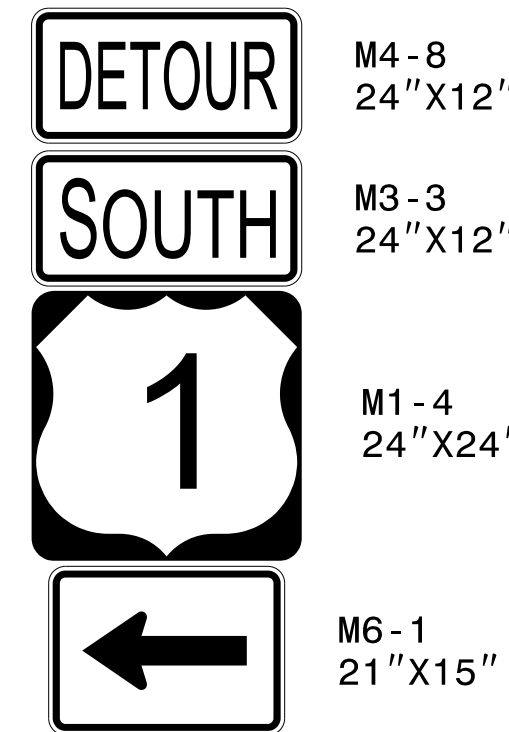
M4-8
24"X12"

M3-1
24"X12"

M1-4
24"X24"

M6-2
21"X15"

R



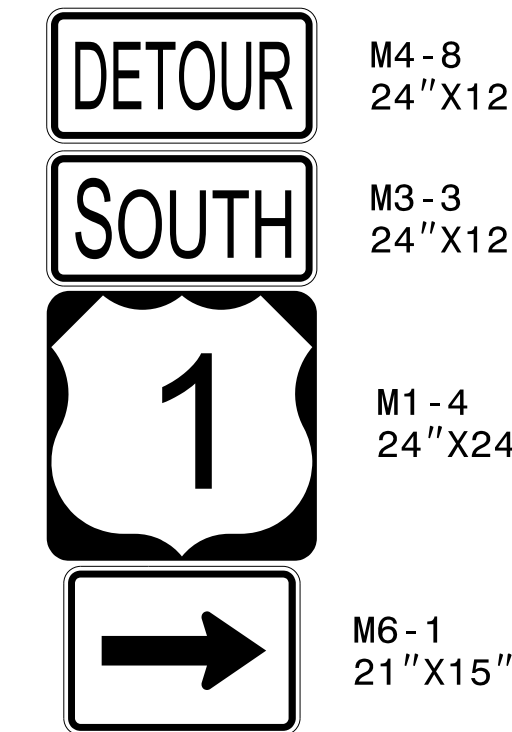
M4-8
24"X12"

M3-3
24"X12"

M1-4
24"X24"

M6-1
21"X15"

S



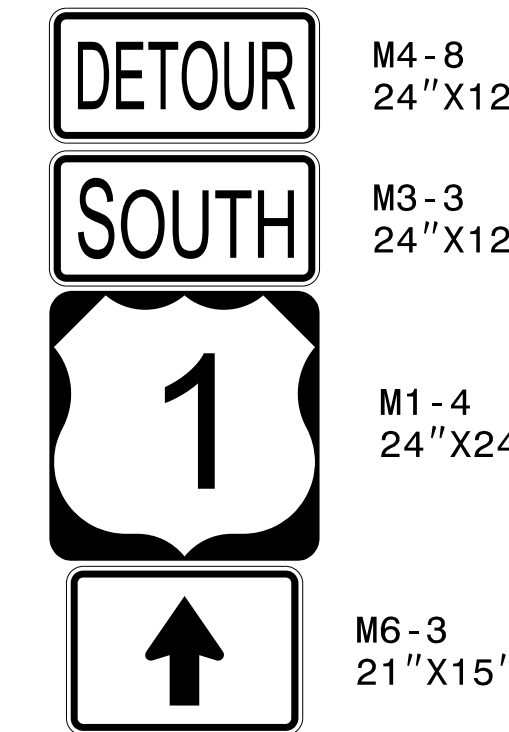
M4-8
24"X12"

M3-3
24"X12"

M1-4
24"X24"

M6-1
21"X15"

T



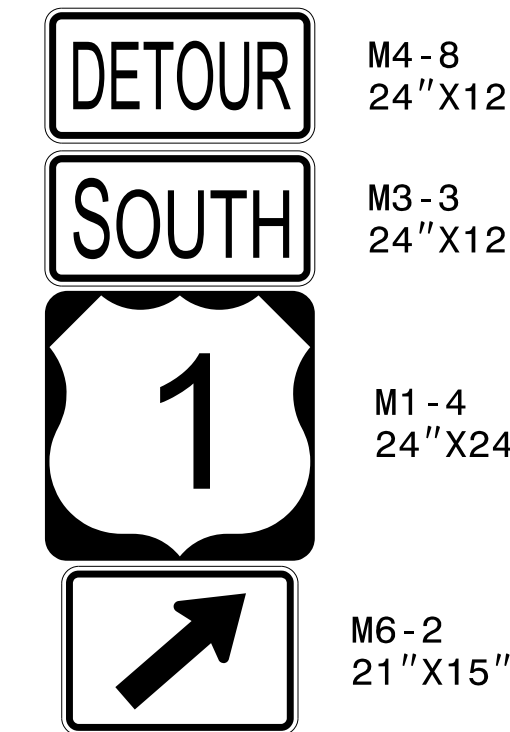
M4-8
24"X12"

M3-3
24"X12"

M1-4
24"X24"

M6-3
21"X15"

U



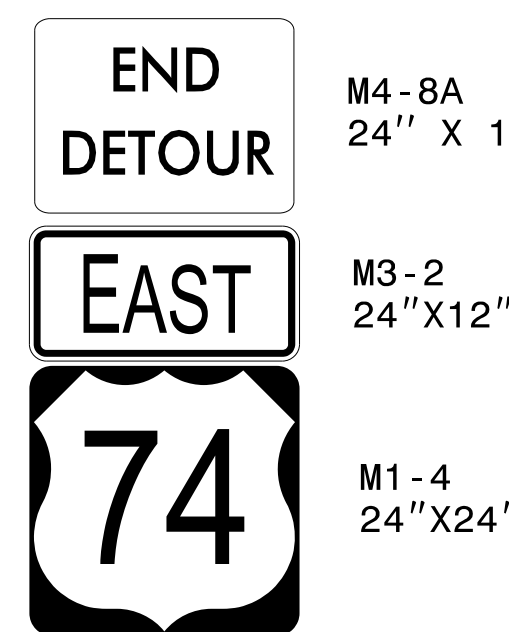
M4-8
24"X12"

M3-3
24"X12"

M1-4
24"X24"

M6-2
21"X15"

V

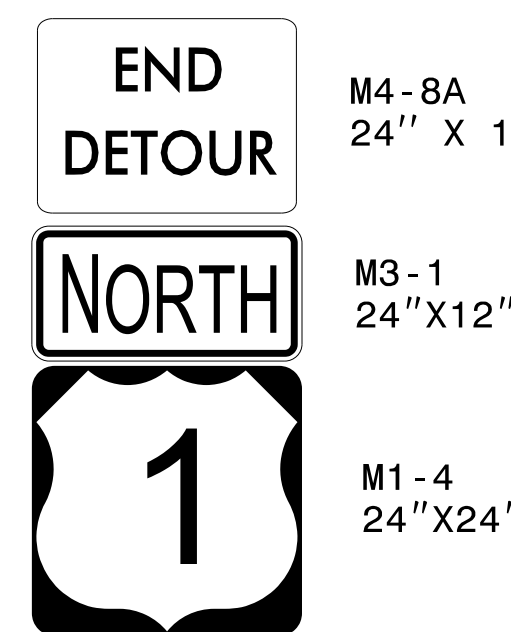


M4-8A
24" X 18"

M3-2
24"X12"

M1-4
24"X24"

W

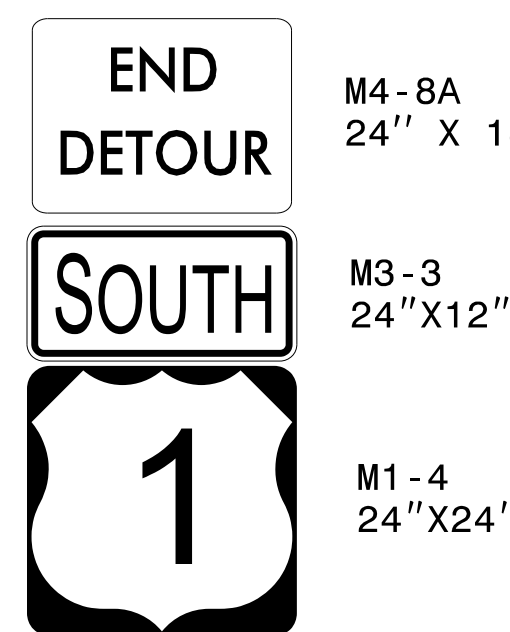


M4-8A
24" X 18"

M3-1
24"X12"

M1-4
24"X24"

X



M4-8A
24" X 18"

M3-3
24"X12"

M1-4
24"X24"

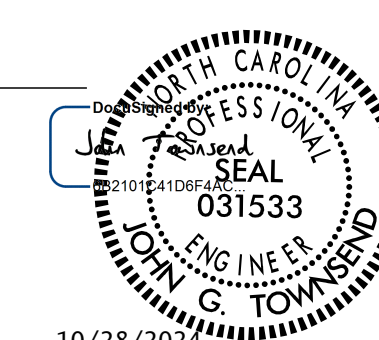
Y

10/28/2024
R:\TrafficControl\TCPI\5979_tmp_psh02b.dgn
User:jtowmsend



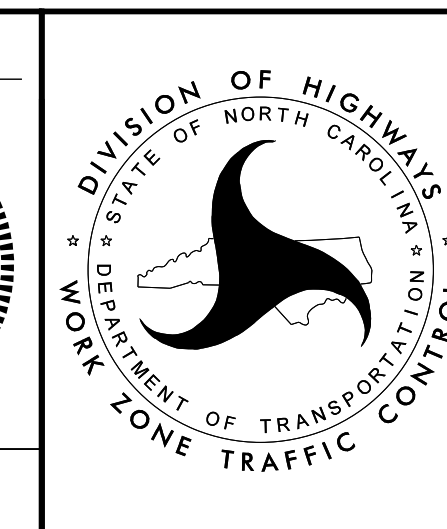
940 Main Campus Drive, Suite 500 Raleigh, NC 27606
NC License No. C-3705

APPROVED: _____
DATE: _____



10/28/2024

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

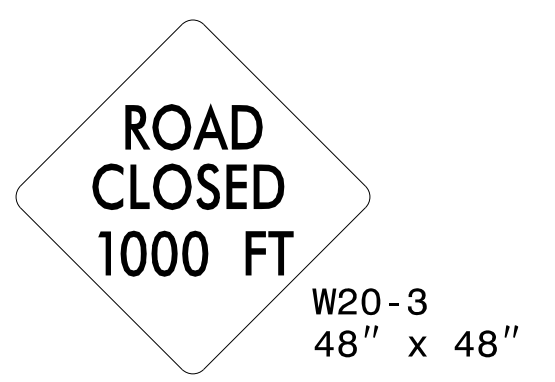


DETOUR ROUTE
CLOSURE OF
US 1 AT US 74 E
AND US 74 E RAMPS

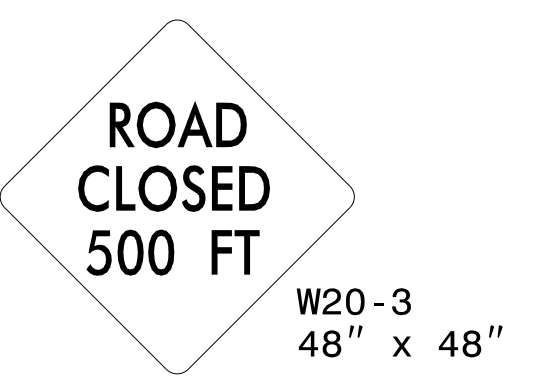
SHEET 2 OF 2



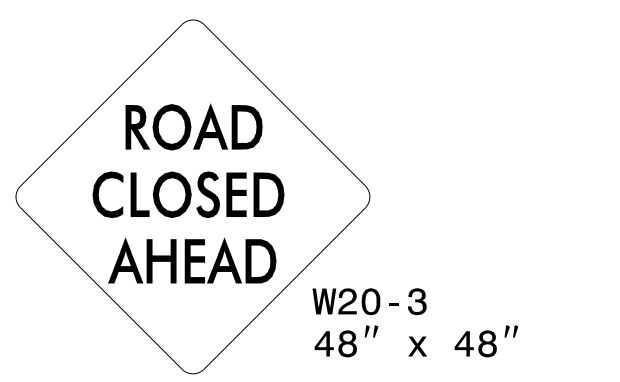
A



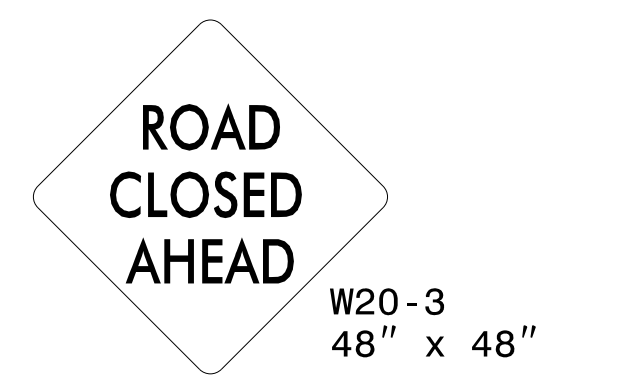
B



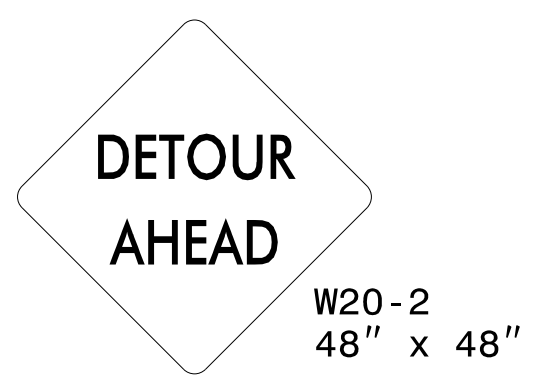
C



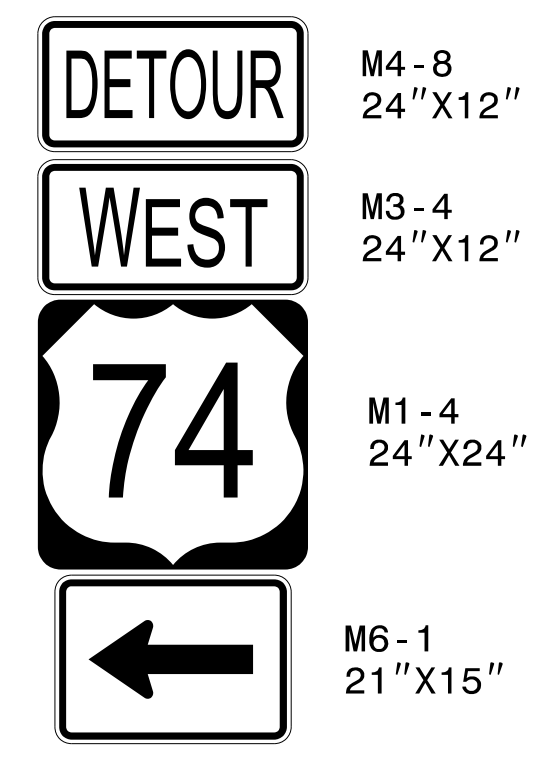
D



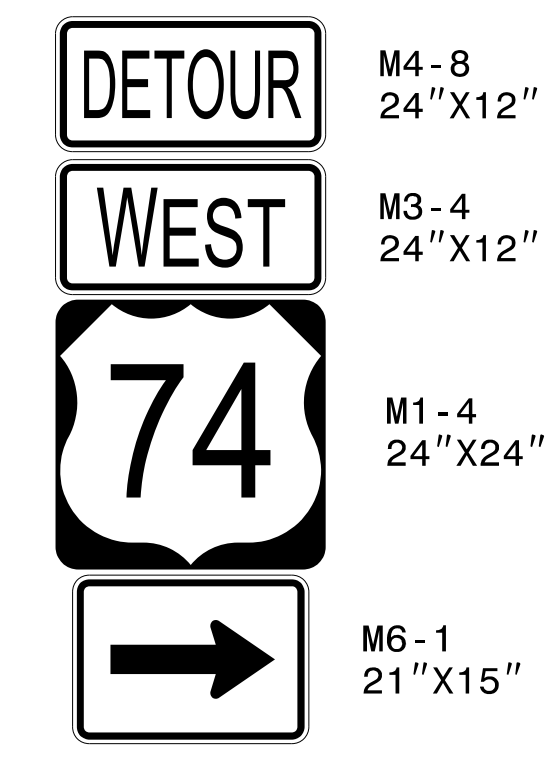
E



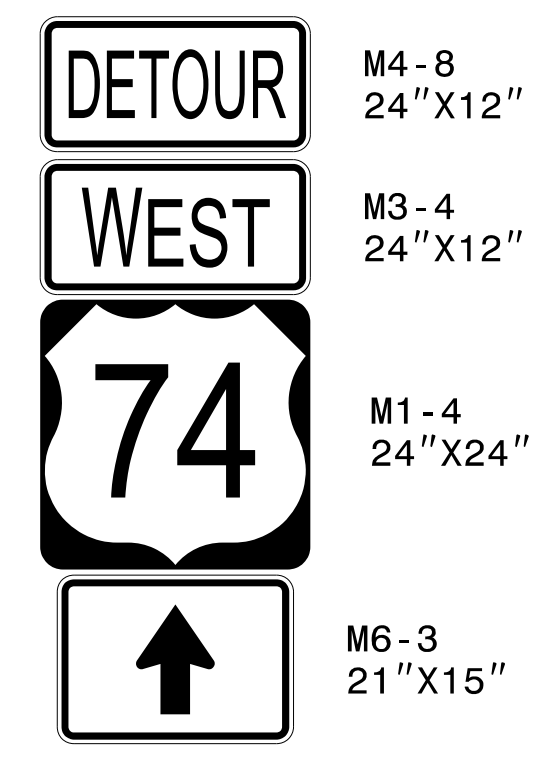
F



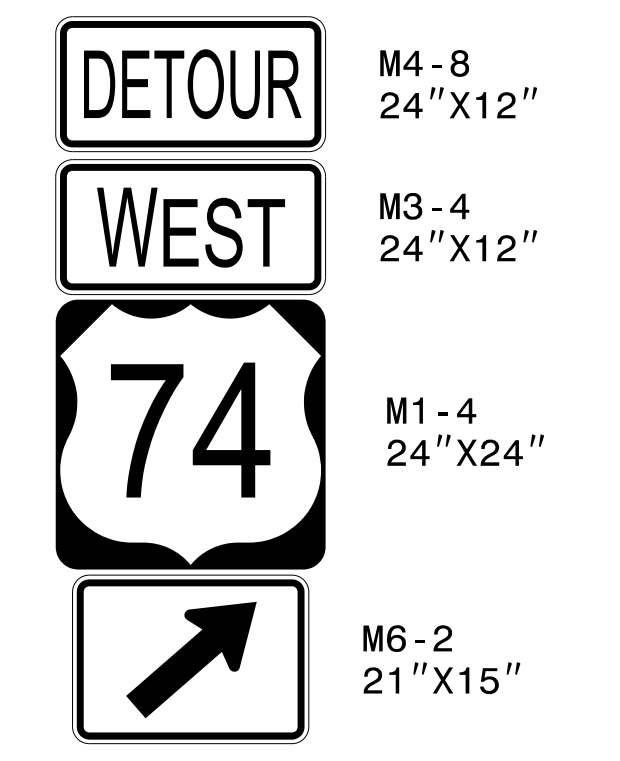
G



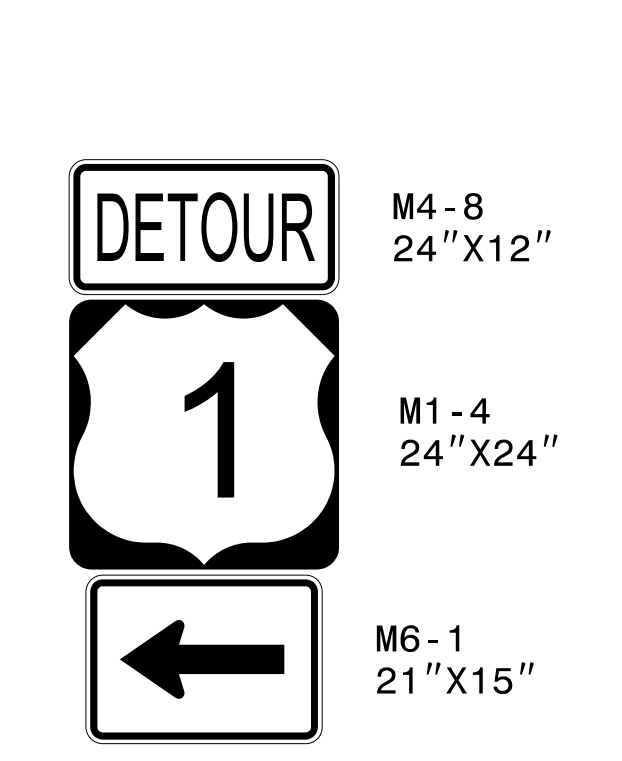
H



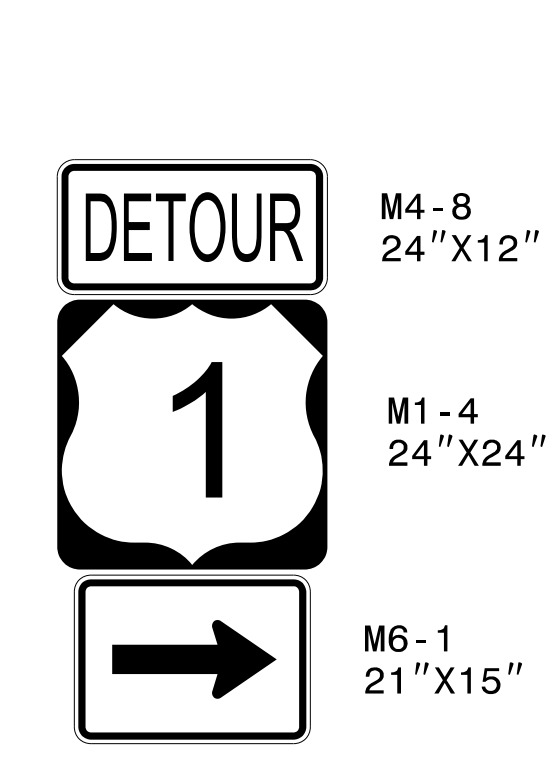
I



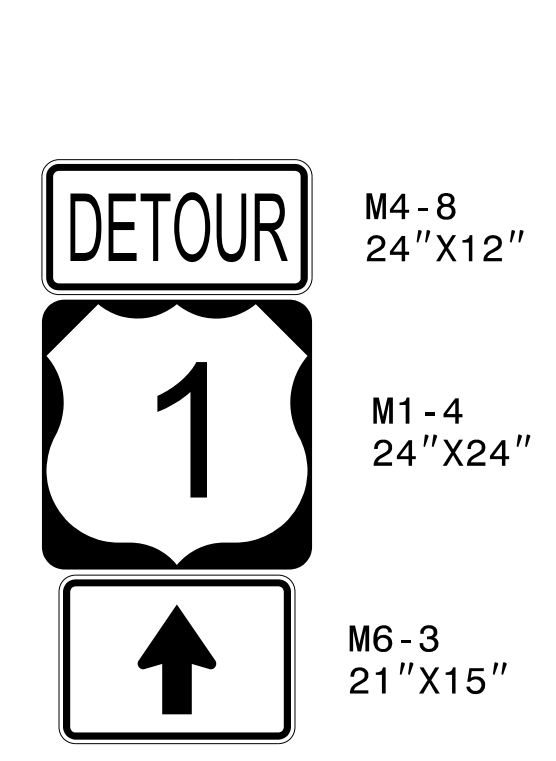
J



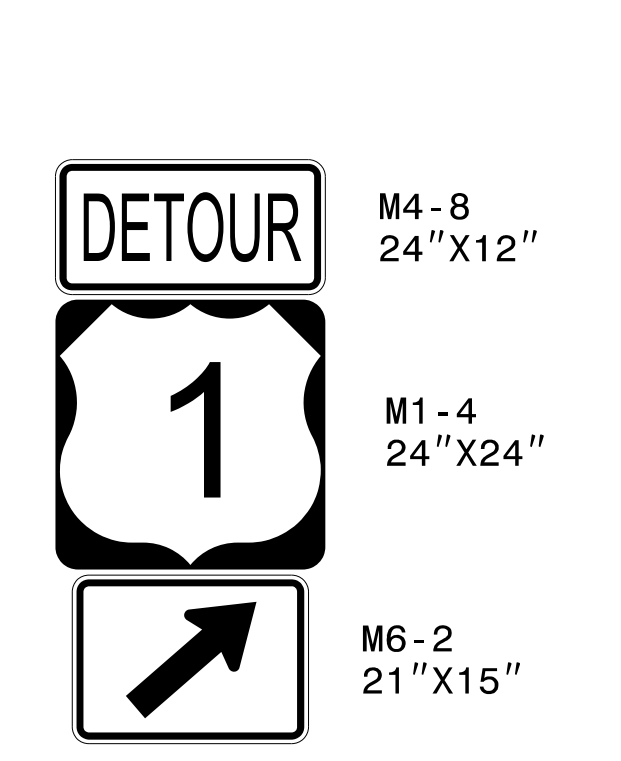
K



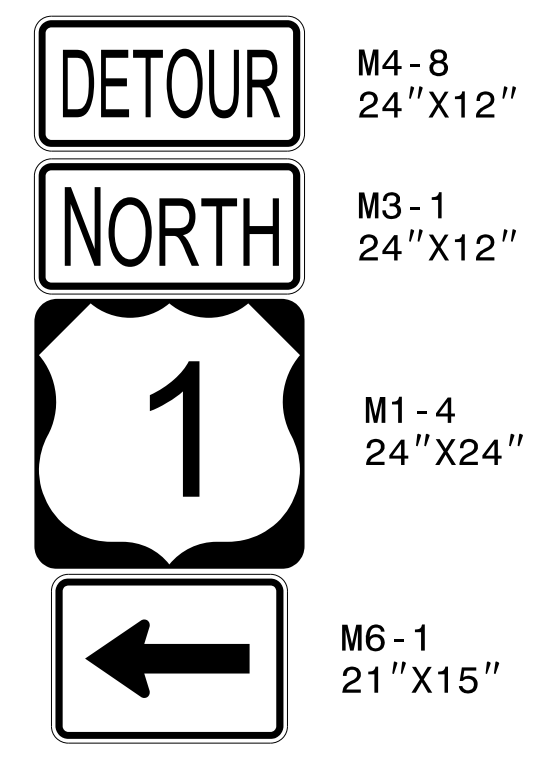
L



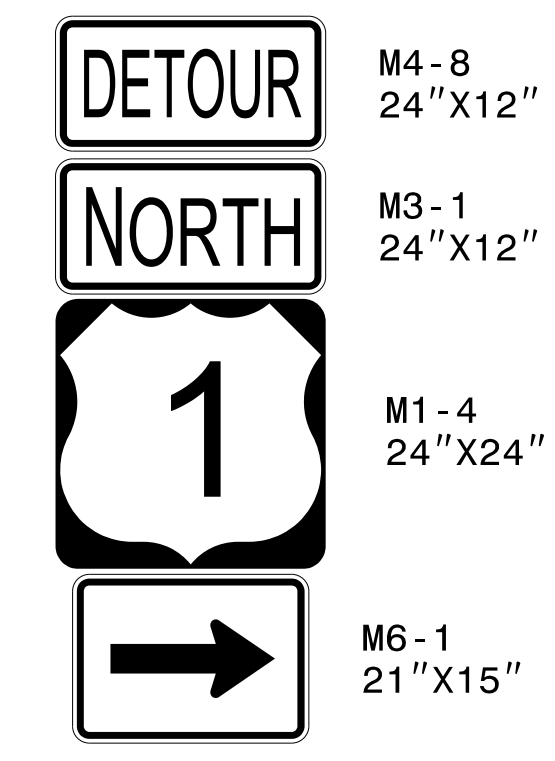
M



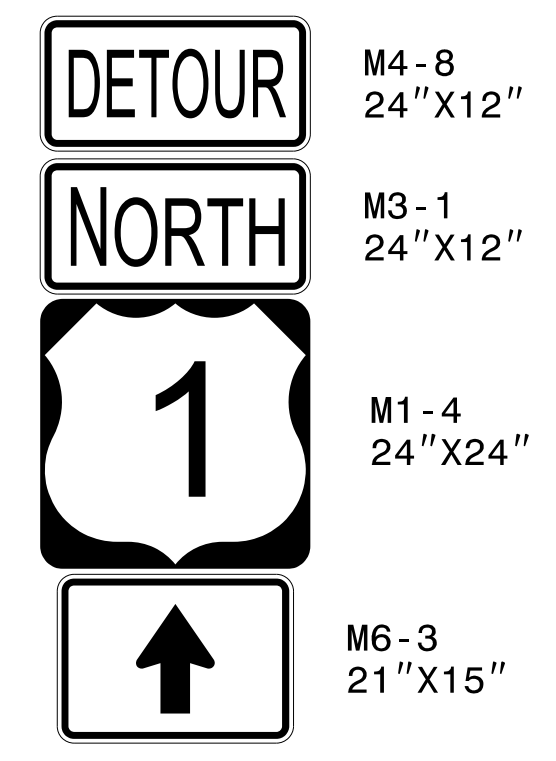
N



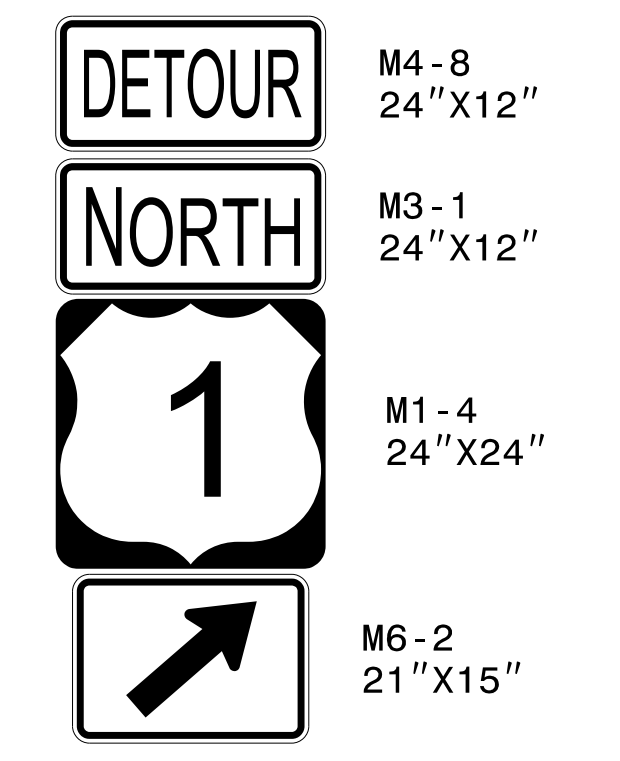
O



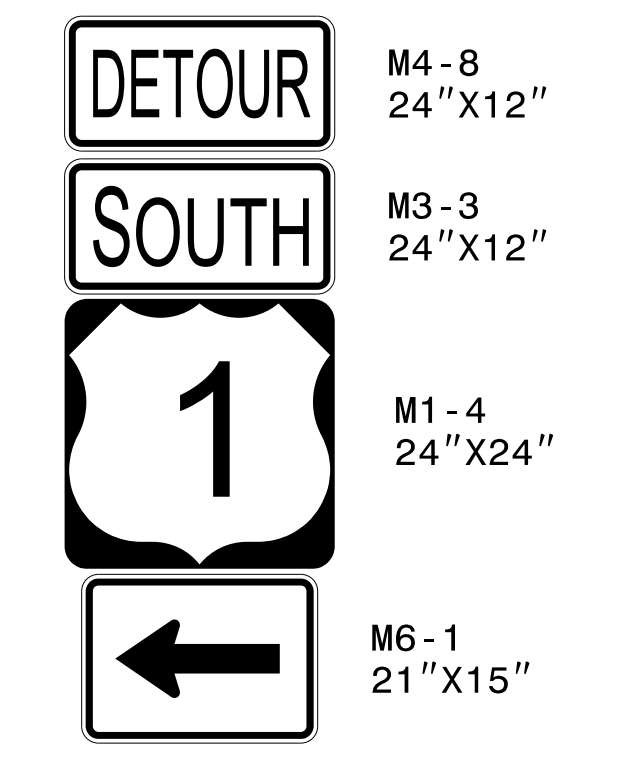
P



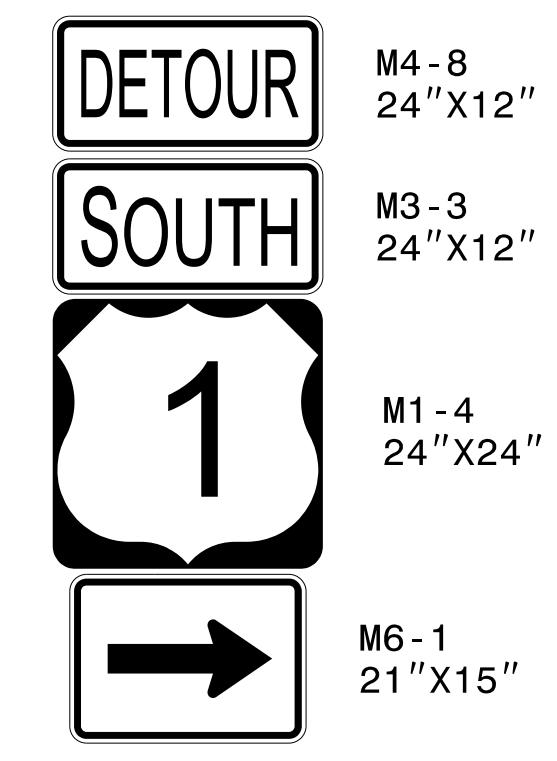
Q



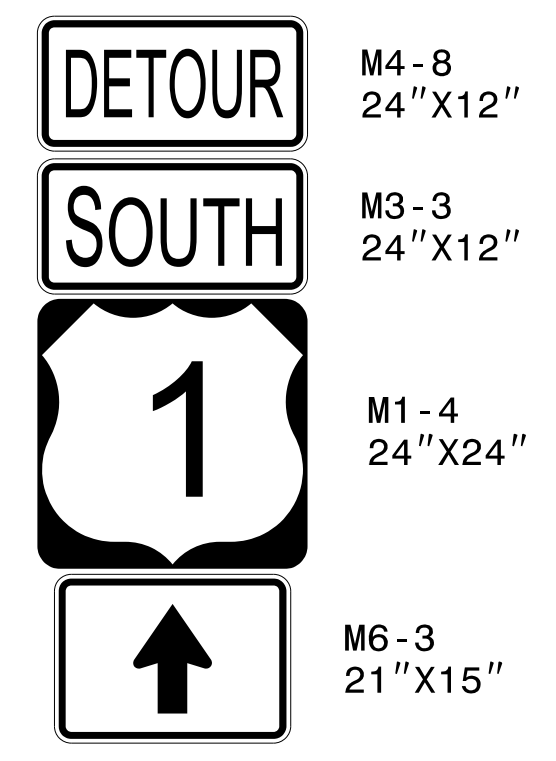
R



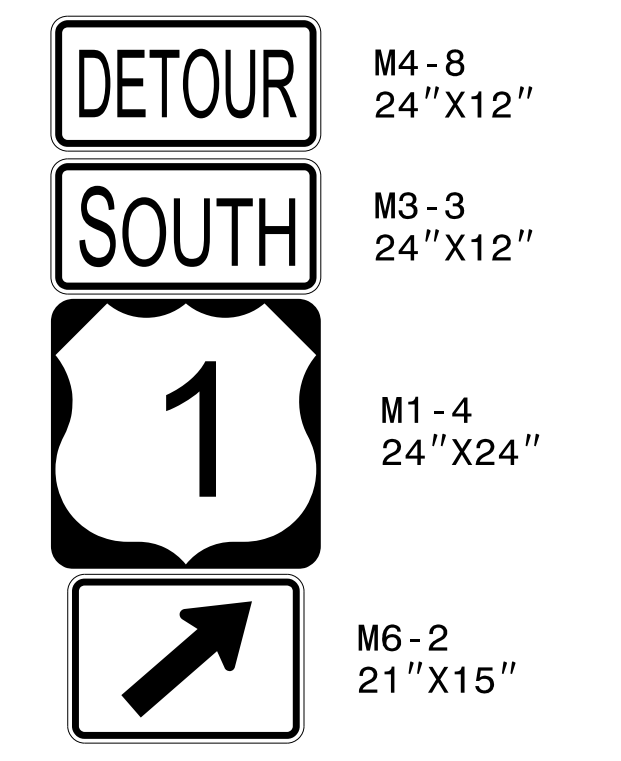
S



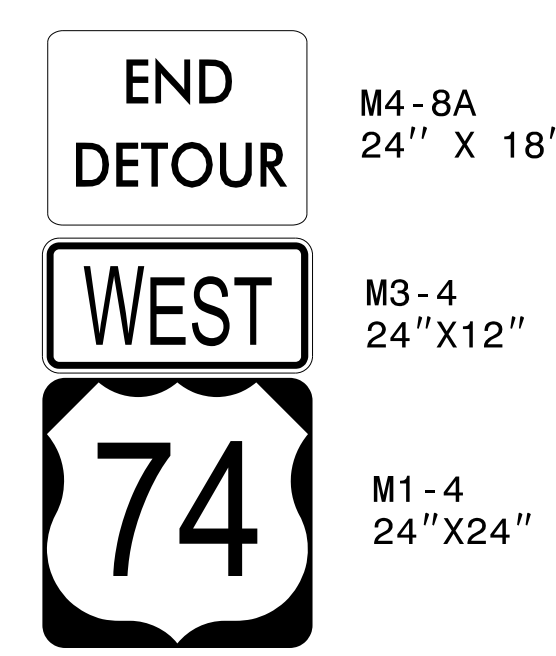
T



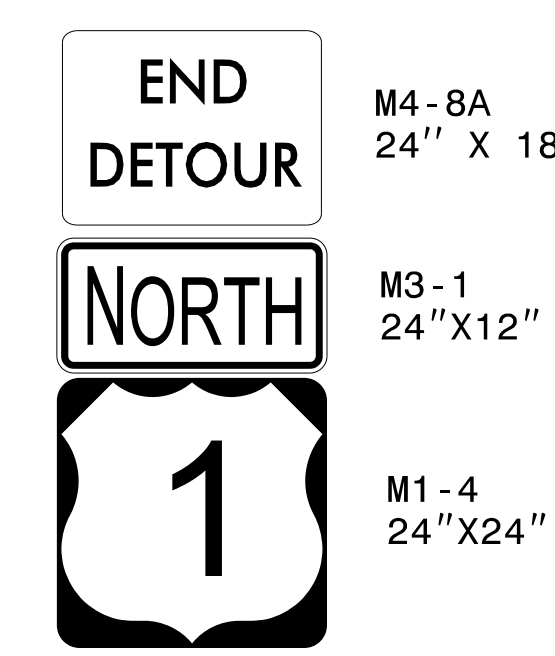
U



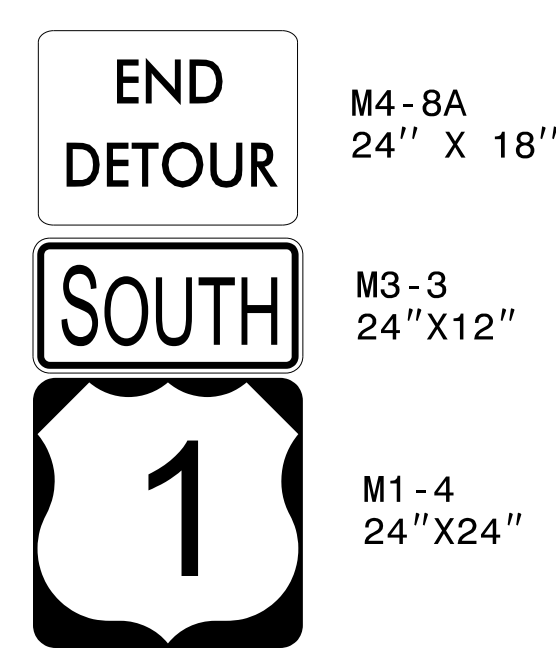
V



W



X



Y

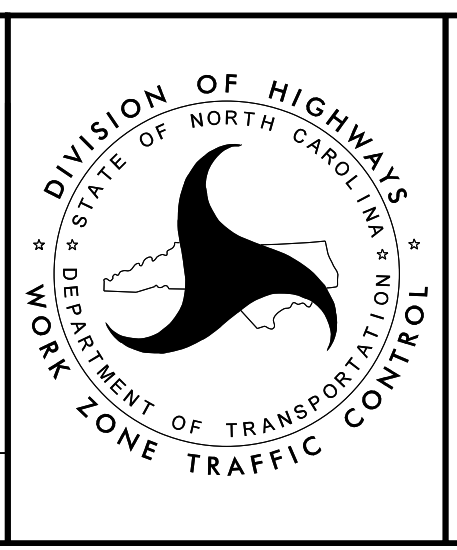
10/28/2024
R:\TrafficControl\TCPI\5979_tmp_psh02d.dgn
User:jtownsend



APPROVED: _____
DATE: _____

10/28/2024

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



DETOUR ROUTE
CLOSURE OF
US 1 AT US 74 W
AND US 74 W RAMPS

SHEET 2 OF 2

PHASING

PROJ. REFERENCE NO.	SHEET NO.
I-5979	TMP-3

NOTES:

REPLACE MARKINGS AND RETURN 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, TEMPORARY MEDIAN, AND OUTSIDE DITCHES.

PAVE PROPOSED CONSTRUCTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, IN ALL PHASES UNTIL STATED TO INSTALL FINAL LAYER IN PHASING.

THE TERM RSD REFERS TO ROADWAY STANDARD DRAWINGS.

PHASE I (SEE SHEET TMP-4 THRU TMP-6)

STEP 1: USING RSD 1101.01 (SHEET 2 AND 3 OF 3), INSTALL ADVANCE WARNING SIGNS ON -L- (US 1) AND US 74.

STEP 2: USING RSD 1101.02 (SHEET 1 AND 3 OF 19) AS NEEDED, CLOSE THE OUTSIDE LANES ON -L- (US 1) AND NARROW THE RAMPS AND CONSTRUCT THE OUTSIDES OF -L- (US 1) AND THE US 74 RAMPS (RPA, RPB, RPC AND RPD) AND TEMPORARY PAVEMENT AS SHOWN ON SHEETS TMP-4 THRU TMP-6.

PHASE II (SEE SHEET TMP-7 THRU TMP-9)

STEP 1: INSTALL AND COVER DETOUR SIGNS AS SHOWN ON SHEET TMP-2A.

COMPLETE THE REQUIREMENTS OF PHASE II, STEP 2 IN 21 (TWENTYONE) CONSECUTIVE DAYS (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 2: UNCOVER DETOUR SIGNS INSTALLED IN STEP 1 AND CLOSE THE INTERSECTION OF -L- (US 1) AND -RPC-/-RPD-TO TRAFFIC AS SHOWN ON SHEET TMP-2A.

COMPLETE REMAINING PAVEMENT, CURB AND GUTTER, CONCRETE ISLAND WORK ON -RAB1-, -RPC-, -RPD- AND -L- AS SHOWN ON SHEETS TMP-7 THRU TMP-9.

INSTALL TEMPORARY PAVEMENT MARKINGS AND ROUNDABOUT INTERSECTION SIGNING PER THE FINAL PAVEMENT MARKING PLANS AND FINAL SIGNING PLANS AND AS SHOWN ON SHEET TMP-10.

REMOVED DETOUR SIGNING INSTALLED IN STEP 1 AND OPEN ROUNDABOUT INTERSECTION TO TRAFFIC.

STEP 3: USING RSD 1101.02 SHEET 4 OF 19, CLOSE THE OUTSIDE TRAVEL LANE ON EASTBOUND US 74 AND COMPLETE THE REMOVAL OF ASPHALT PAVEMENT.

PHASE III (SEE SHEET TMP-10 THRU TMP-12)

STEP 1: INSTALL AND COVER DETOUR SIGNS AS SHOWN ON SHEET TMP-2C.

COMPLETE THE REQUIREMENTS OF PHASE III, STEP 2 IN 21 (TWENTYONE) CONSECUTIVE DAYS (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 2: UNCOVER DETOUR SIGNS INSTALLED IN STEP 1 AND CLOSE THE INTERSECTION OF -L- (US 1) AND -RPA-/-RPB-TO TRAFFIC AS SHOWN ON SHEET TMP-2C.

COMPLETE REMAINING PAVEMENT, CURB AND GUTTER, CONCRETE ISLAND WORK ON -RAB2-, -RPA-, -RPB- AND -L-.

INSTALL TEMPORARY PAVEMENT MARKINGS AND ROUNDABOUT INTERSECTION SIGNING PER THE FINAL PAVEMENT MARKING PLANS AND FINAL SIGNING PLANS.

REMOVED DETOUR SIGNING INSTALLED IN STEP 1 AND OPEN ROUNDABOUT INTERSECTION TO TRAFFIC.

PHASE IV

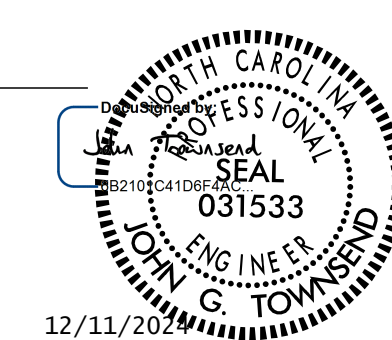
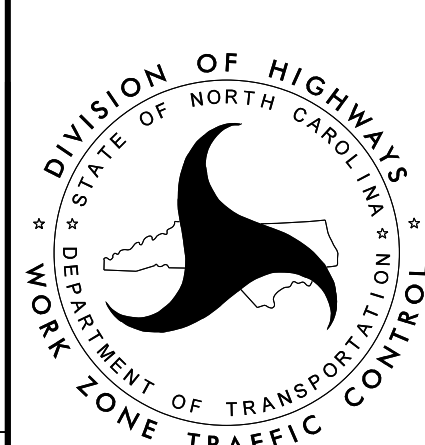
STEP 1: USING RSD 1101.02 (SHEETS 1, 2, 3 AND 7 OF 19) AS NEEDED, CONSTRUCT THE REMAINDER OF THE CONCRETE ISLAND ON -L- AND THEN PLACE FINAL LAYER OF SURFACE COURSE AND INSTALL FINAL PAVEMENT MARKINGS AND MARKERS IN ACCORDANCE WITH THE FINAL PAVEMENT MARKING PLANS.

STEP 2: REMOVE ALL TRAFFIC CONTROL DEVICES.

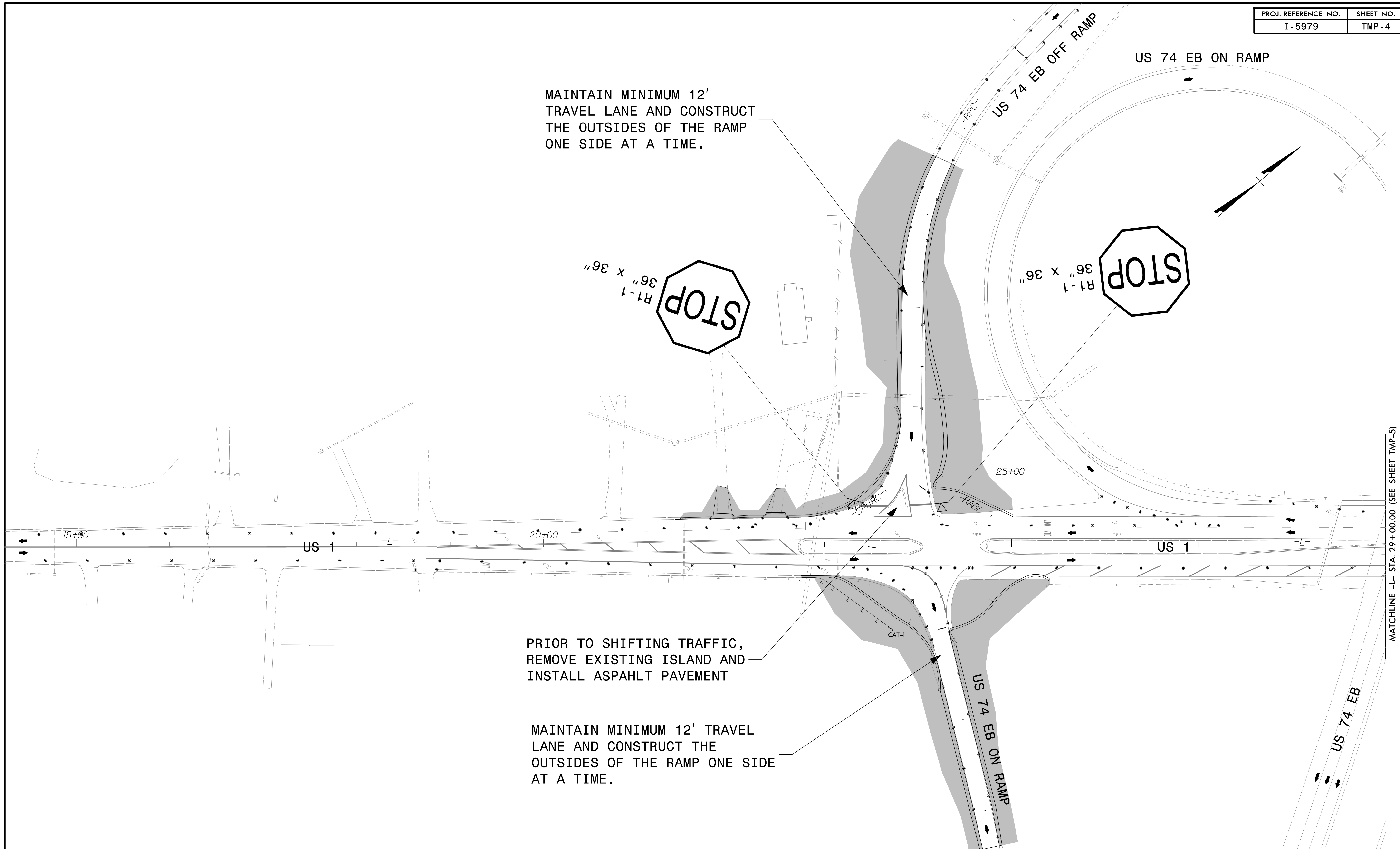
12/11/2024
R:\TrafficControl\TCP\15979_tmp_psh03.dgn
User:JHowsend



940 Main Campus Drive, Suite 500 Raleigh, NC 27606
NC License No. C-3705

APPROVED: _____ DATE: _____			PHASING NOTES
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

PROJ. REFERENCE NO.	SHEET NO.
I-5979	TMP-4



MAINTAIN MINIMUM 12'
TRAVEL LANE AND CONSTRUCT
THE OUTSIDES OF THE RAMP
ONE SIDE AT A TIME.

PRIOR TO SHIFTING TRAFFIC,
REMOVE EXISTING ISLAND AND
INSTALL ASPHALT PAVEMENT

MAINTAIN MINIMUM 12' TRAVEL
LANE AND CONSTRUCT THE
OUTSIDES OF THE RAMP ONE SIDE
AT A TIME.

10/28/2024
R:\TrafficControl\TCPI\5979_tmp_psh04.dgn
User: jtownsend

MATCHLINE -L- STA. 29+00.00 (SEE SHEET TMP-5)

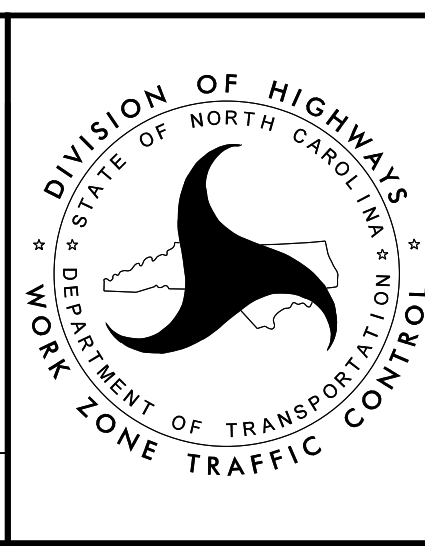


940 Main Campus Drive, Suite 500 Raleigh, NC 27606
NC License No. C-3705

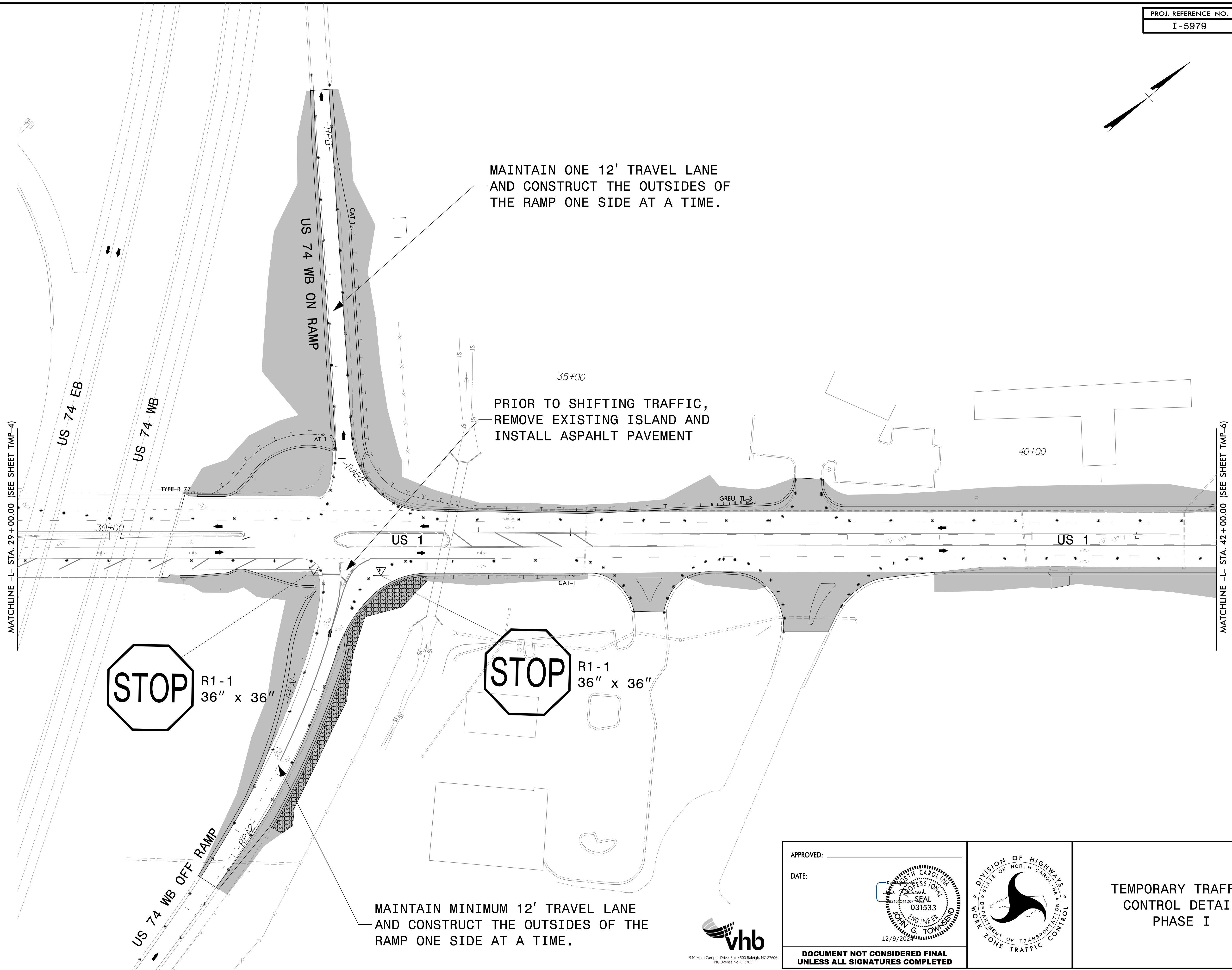
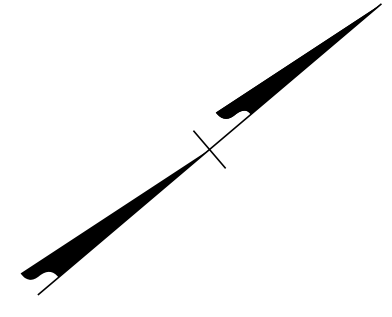
APPROVED: _____
DATE: _____

10/28/2024

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



**TEMPORARY TRAFFIC
CONTROL DETAIL
PHASE I**



MAINTAIN ONE 12' TRAVEL LANE AND CONSTRUCT THE OUTSIDES OF THE RAMP ONE SIDE AT A TIME.

PRIOR TO SHIFTING TRAFFIC, REMOVE EXISTING ISLAND AND INSTALL ASPHALT PAVEMENT

STOP R1-1
36" x 36"

STOP R1-1
36" x 36"

MAINTAIN MINIMUM 12' TRAVEL LANE AND CONSTRUCT THE OUTSIDES OF THE RAMP ONE SIDE AT A TIME.

MATCHLINE -L- STA. 29+00.00 (SEE SHEET TMP-4)

MATCHLINE -L- STA. 42+00.00 (SEE SHEET TMP-6)

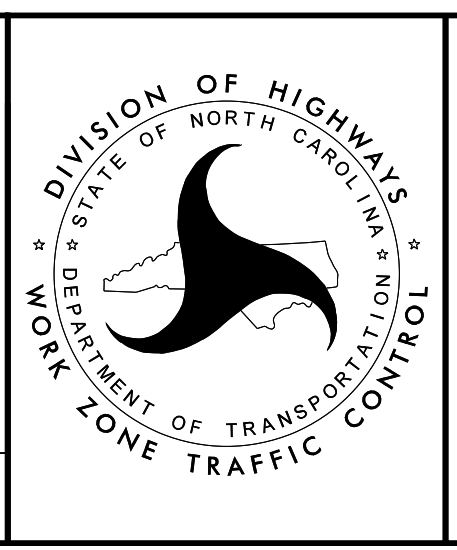
12/9/2024
R:\TrafficControl\TCP\I5979_tmp_psh05.dgn
User:jtownsend



APPROVED: _____
DATE: _____

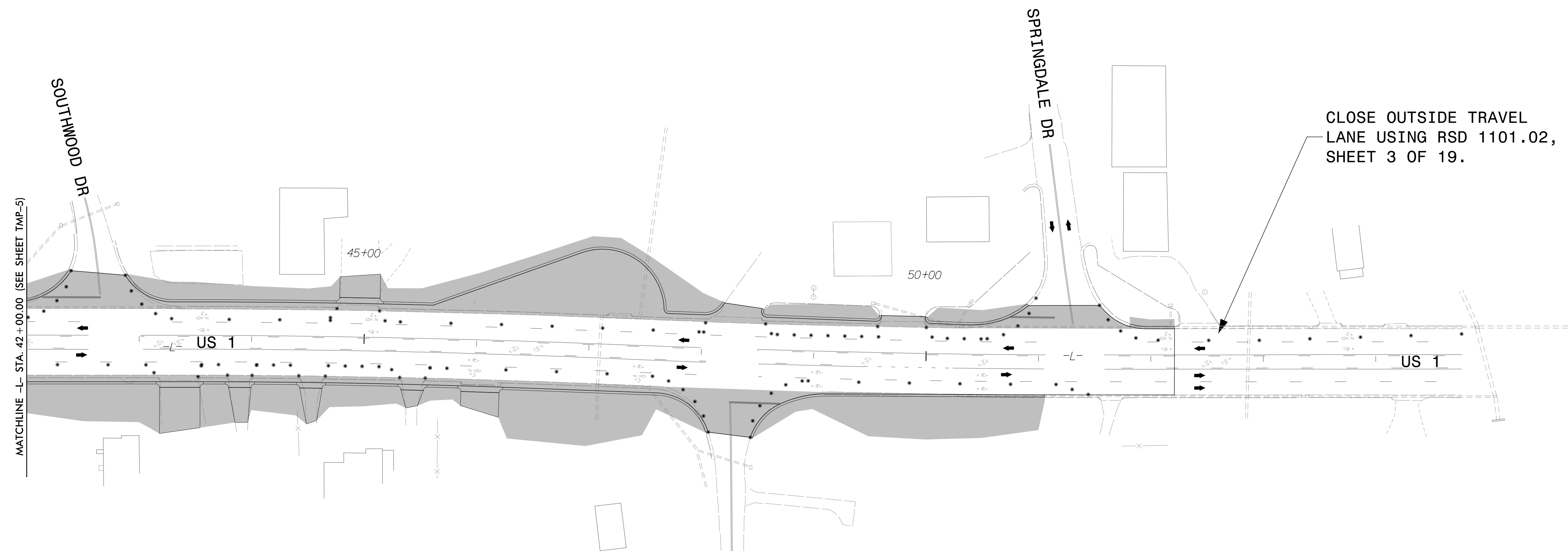
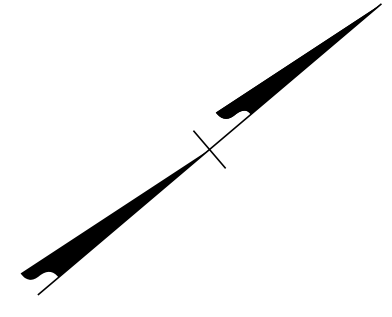
JOHN G. TOWNSEND
PROFESSIONAL ENGINEER
SEAL
031533
12/9/2024

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



**TEMPORARY TRAFFIC CONTROL DETAIL
PHASE I**

PROJ. REFERENCE NO.	SHEET NO.
I-5979	TMP-6



MATCHLINE -L- STA. 42+00.00 (SEE SHEET TMP-5)

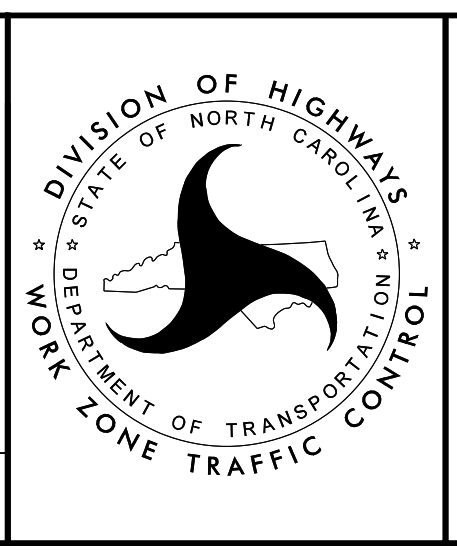
CLOSE OUTSIDE TRAVEL LANE USING RSD 1101.02, SHEET 3 OF 19.

10/28/2024
R:\TrafficControl\TCP\15979_tmp_psh06.dgn
User:jtownsend



APPROVED: _____
DATE: _____

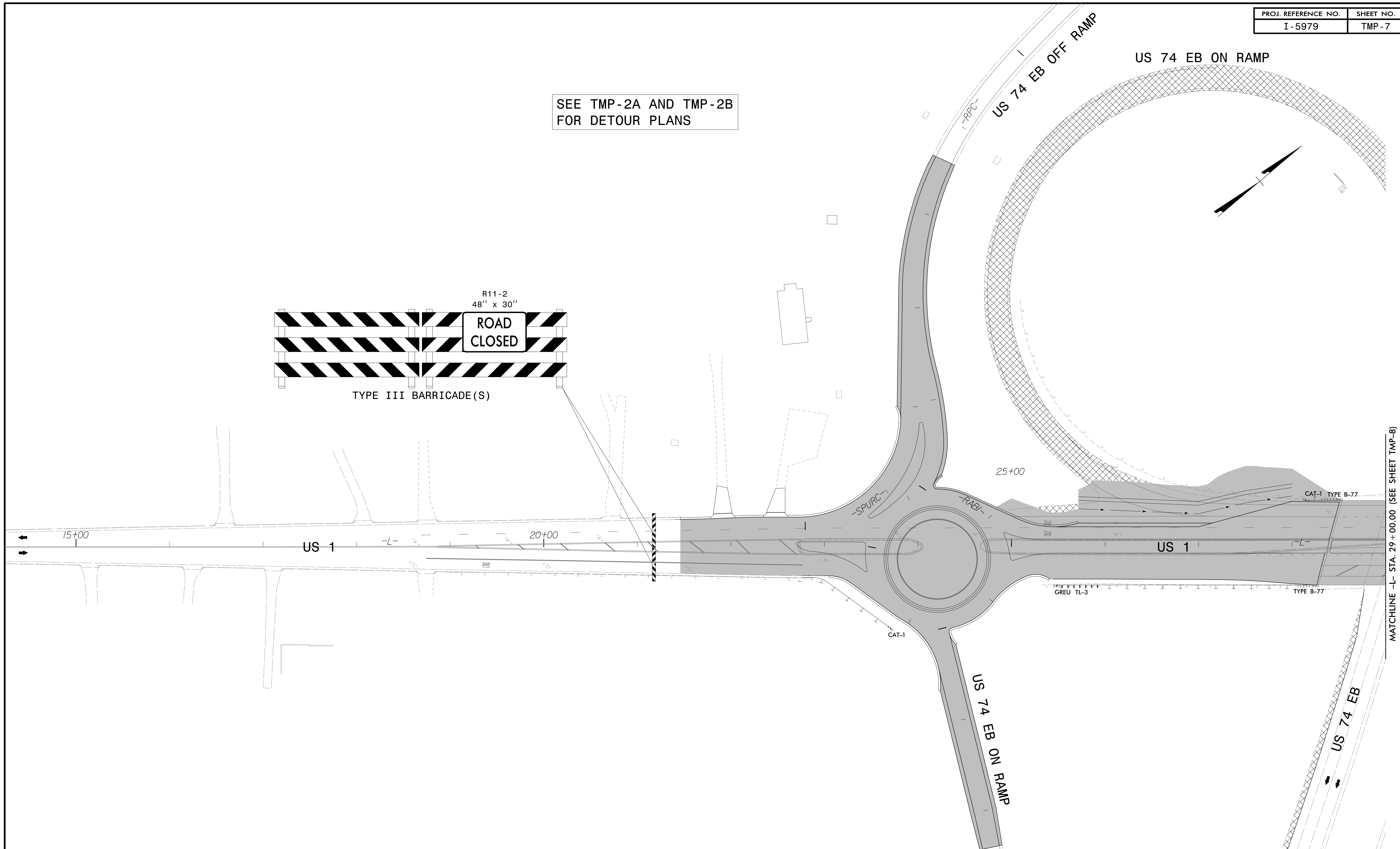
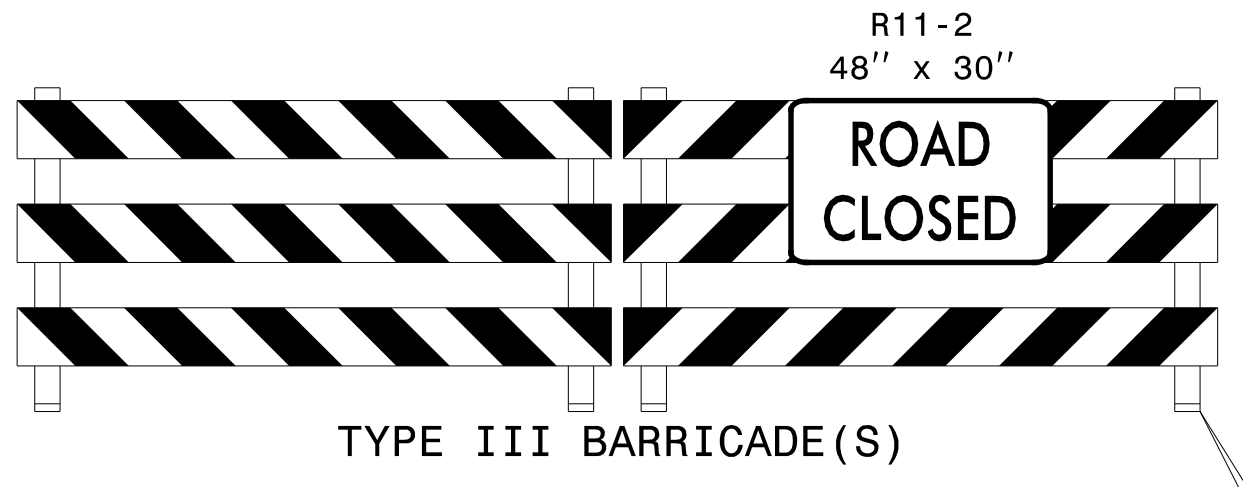
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



TEMPORARY TRAFFIC CONTROL DETAIL
PHASE I

PROJ. REFERENCE NO.	SHEET NO.
I-5979	TMP-7

SEE TMP-2A AND TMP-2B
FOR DETOUR PLANS



10/28/2024
R:\TrafficControl\TCP\I5979_tmp_psh07.dgn
User:htownsend

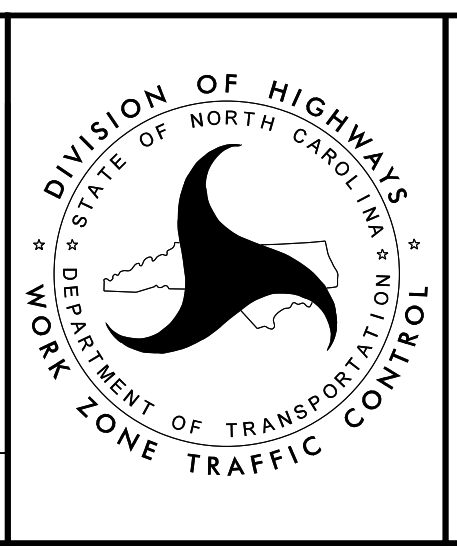
MATCHLINE -L- STA. 29+00.00 (SEE SHEET TMP-8)



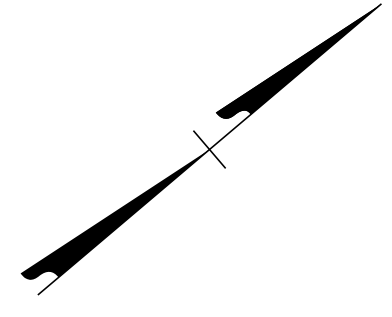
APPROVED: _____
DATE: _____

SEAL
JOHN C. TOWNSEND
ENGINEER
031533
10/28/2024

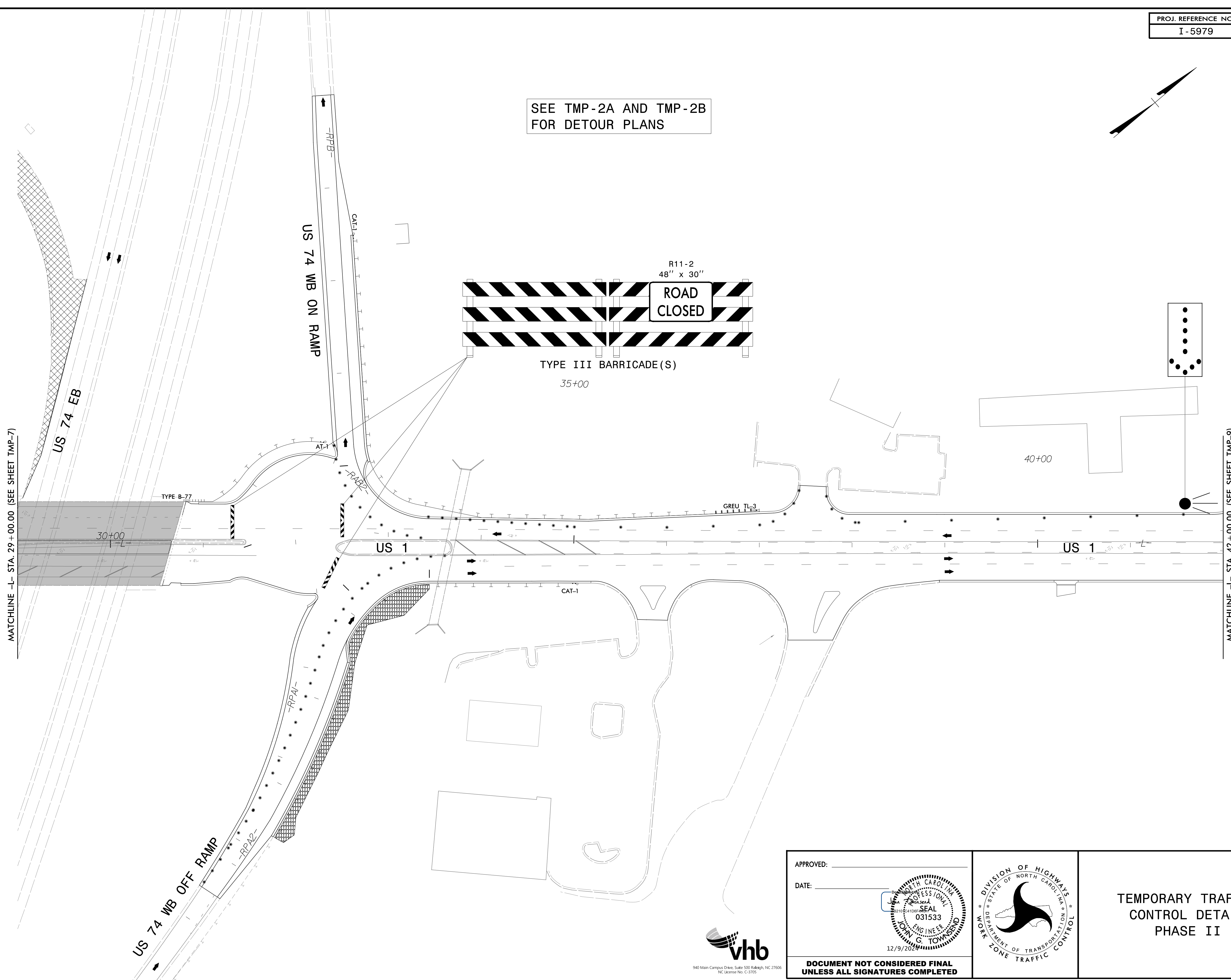
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



**TEMPORARY TRAFFIC
CONTROL DETAIL
PHASE II**



SEE TMP-2A AND TMP-2B
FOR DETOUR PLANS



MATCHLINE -L- STA. 29+00.00 (SEE SHEET TMP-7)

MATCHLINE -L- STA. 42+00.00 (SEE SHEET TMP-9)

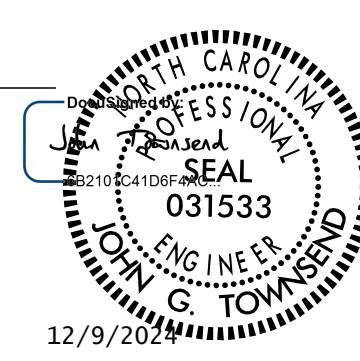
12/9/2024
R:\TrafficControl\TCP\I5979_tmp_psh08.dgn
User:jtownsend



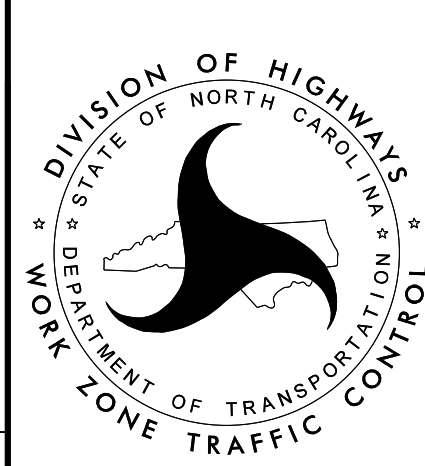
940 Main Campus Drive, Suite 500 Raleigh, NC 27606
NC License No. C-3705

APPROVED: _____
DATE: _____

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

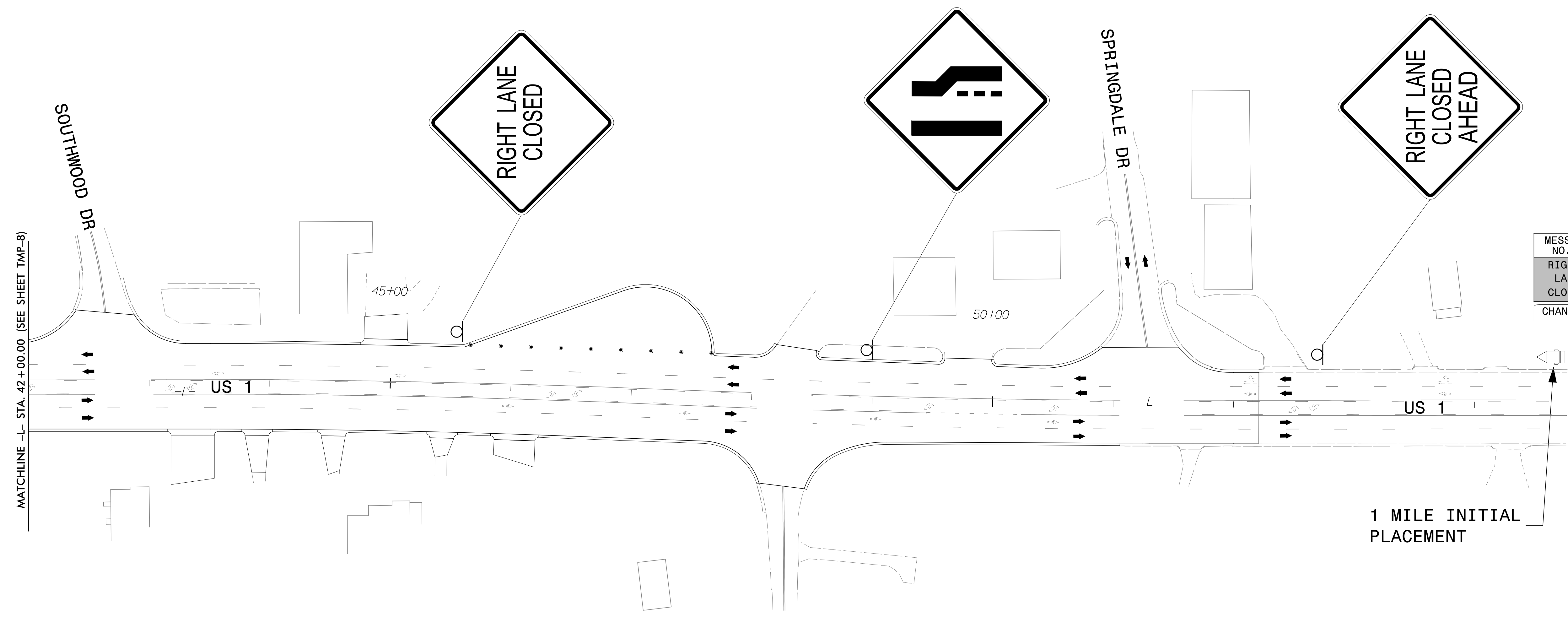
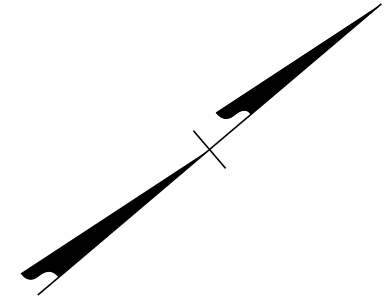


12/9/2024



**TEMPORARY TRAFFIC
CONTROL DETAIL
PHASE II**

SEE TMP-2A AND TMP-2B FOR DETOUR PLANS



MESSAGE NO. 1	MESSAGE NO. 2
RIGHT LANE CLOSED	MERGE LEFT
CHANGEABLE MESSAGE SIGN	

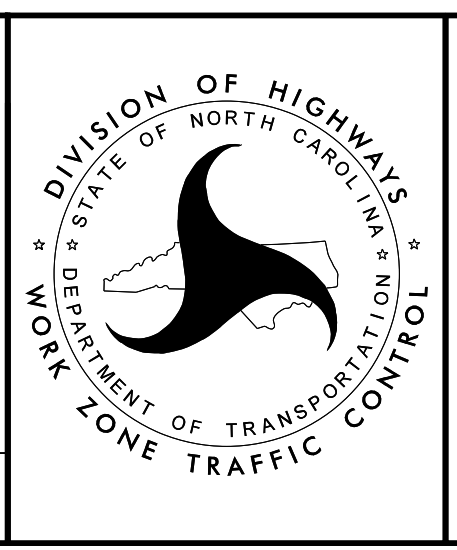
10/28/2024
R:\TrafficControl\TCP\15979_tmp_psh05.dgn
User:jtownsend



APPROVED: _____
DATE: _____

JOHN C. TOWNSEND
Professional Engineer
031533
10/28/2024

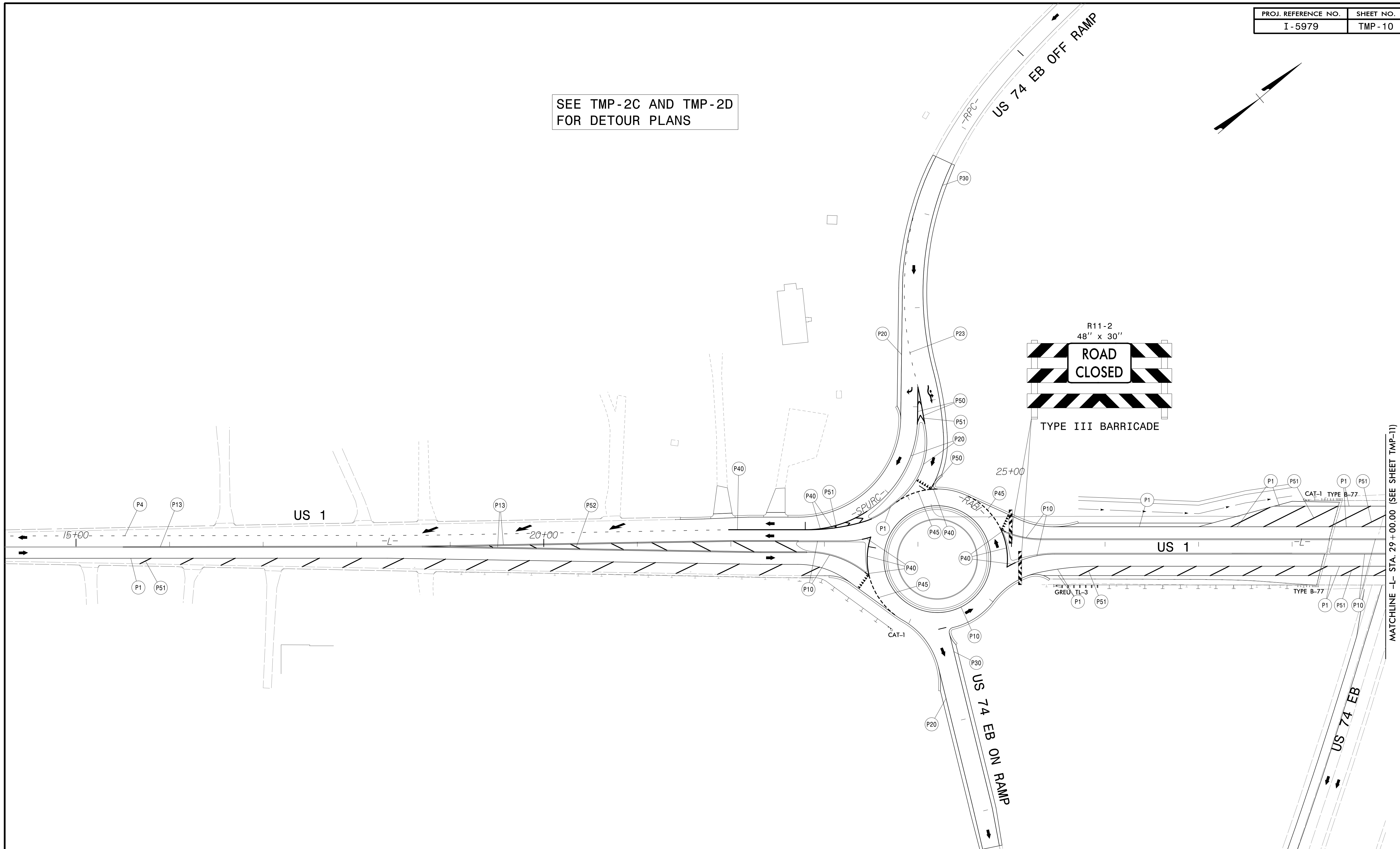
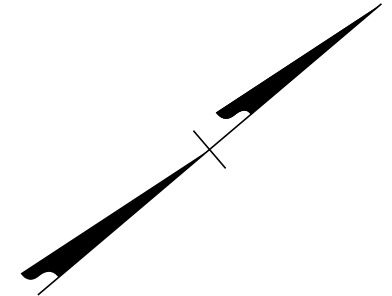
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



TEMPORARY TRAFFIC CONTROL DETAIL PHASE II

PROJ. REFERENCE NO.	SHEET NO.
I-5979	TMP-10

SEE TMP-2C AND TMP-2D
FOR DETOUR PLANS



10/28/2024
R:\TrafficControl\TCP\I5979_tmp_psh0.dgn
User:Jtownsend

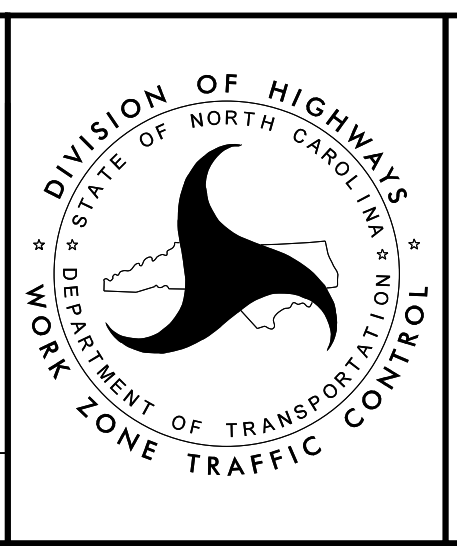


940 Main Campus Drive, Suite 500 Raleigh, NC 27606
NC License No. C-3705

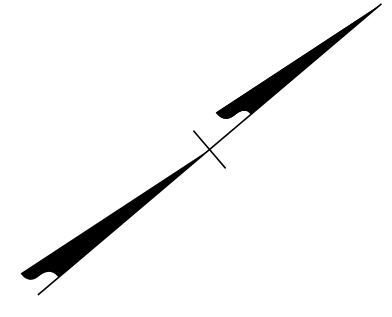
APPROVED: _____
DATE: _____

SEAL
JOHN C. TOWNSEND
ENGINEER
031533
10/28/2024

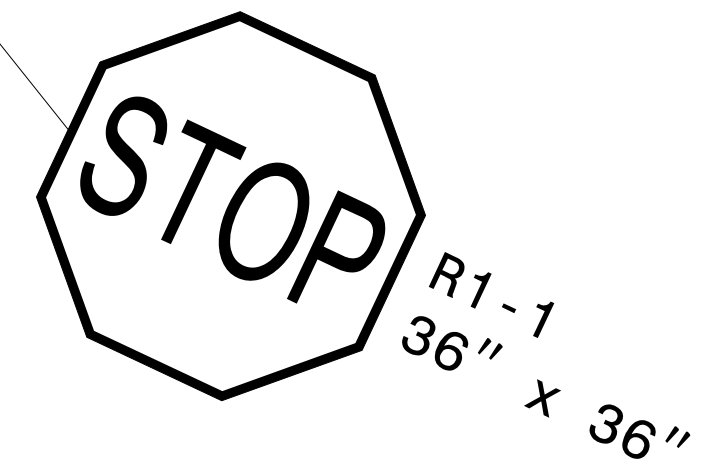
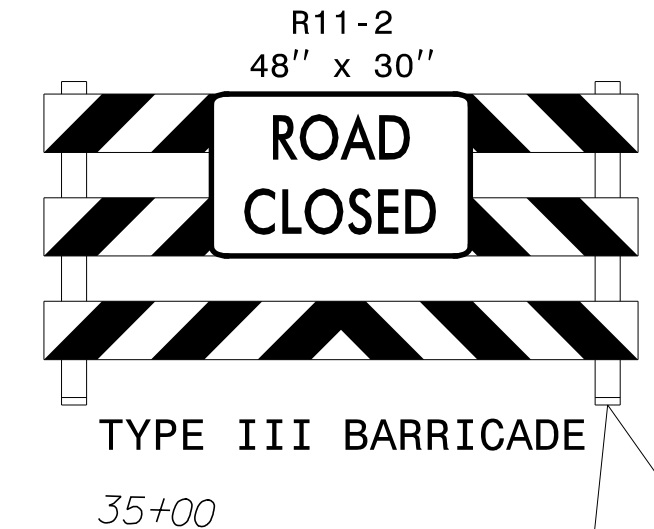
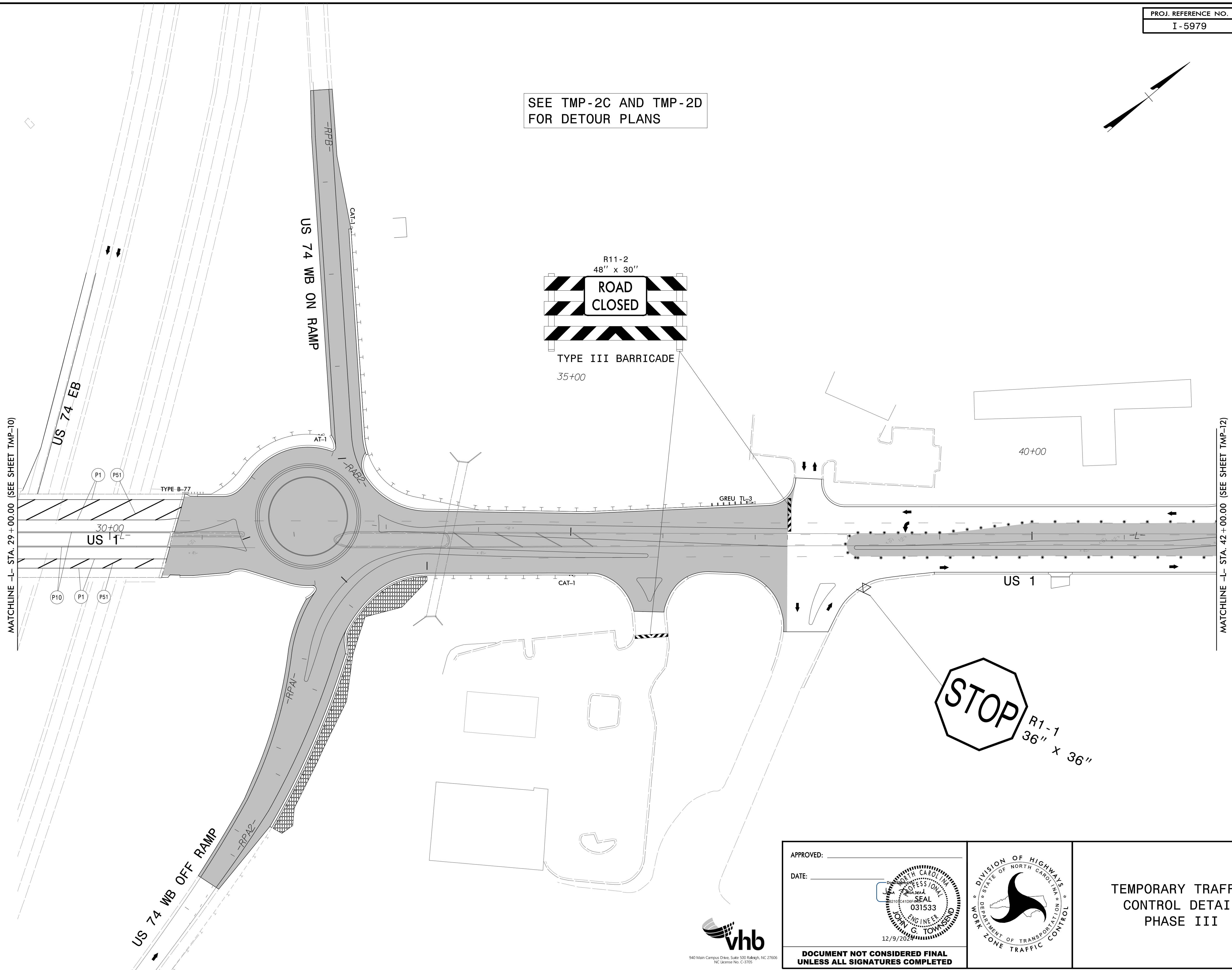
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



**TEMPORARY TRAFFIC
CONTROL DETAIL
PHASE III**



SEE TMP-2C AND TMP-2D
FOR DETOUR PLANS

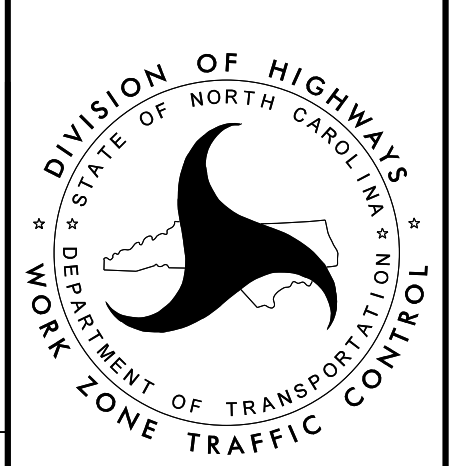
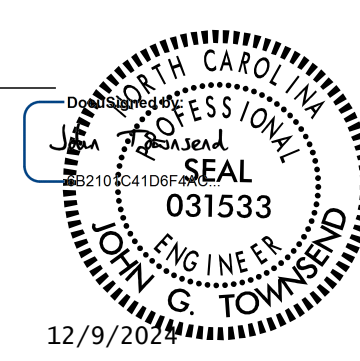


12/9/2024
R:\TrafficControl\TCP\15979_tmp_psh.dgn
User:jtownsend



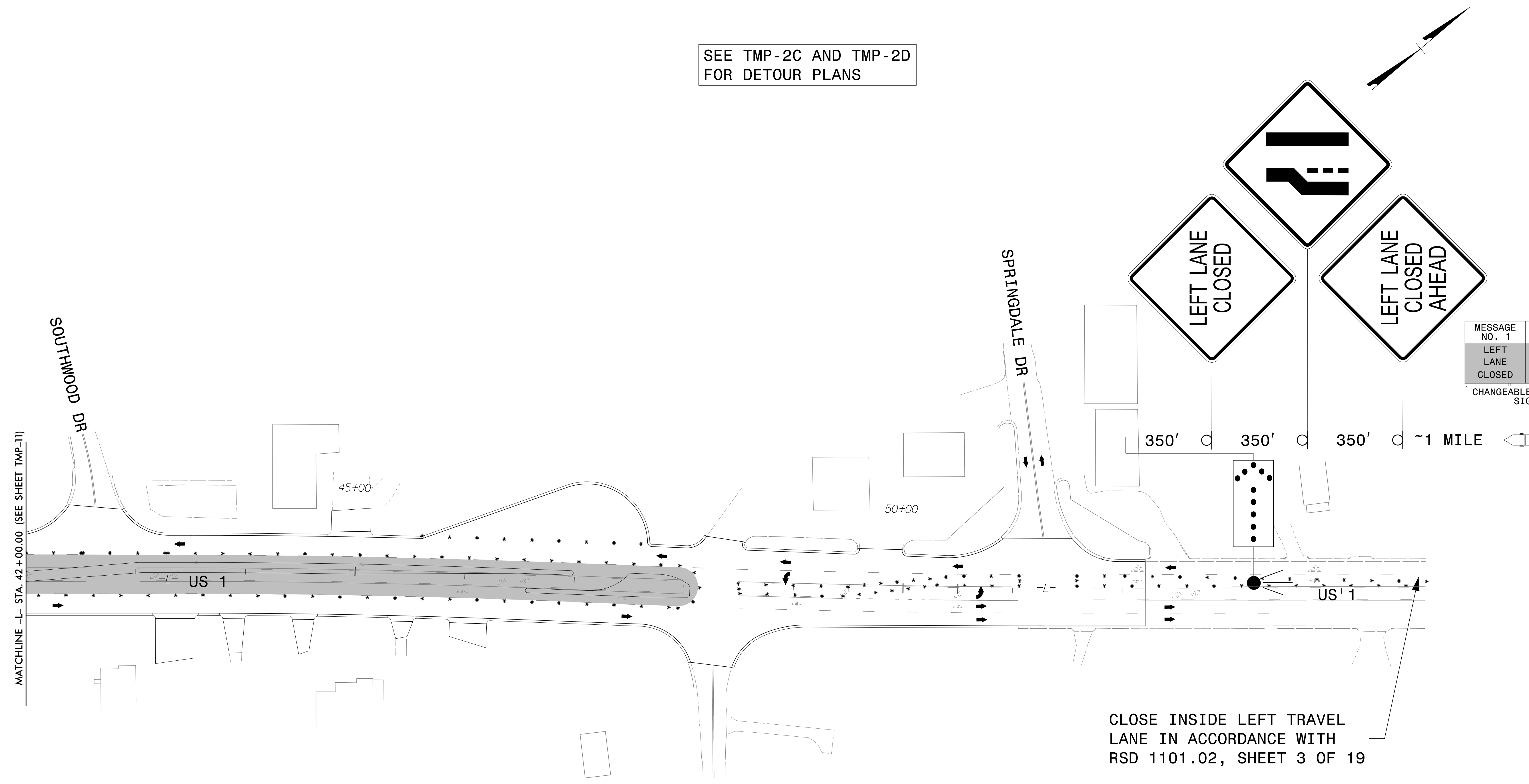
APPROVED: _____
DATE: _____

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



**TEMPORARY TRAFFIC
CONTROL DETAIL
PHASE III**

SEE TMP-2C AND TMP-2D FOR DETOUR PLANS



MATCHLINE -L- STA. 42+00.00 (SEE SHEET TMP-11)

CLOSE INSIDE LEFT TRAVEL LANE IN ACCORDANCE WITH RSD 1101.02, SHEET 3 OF 19

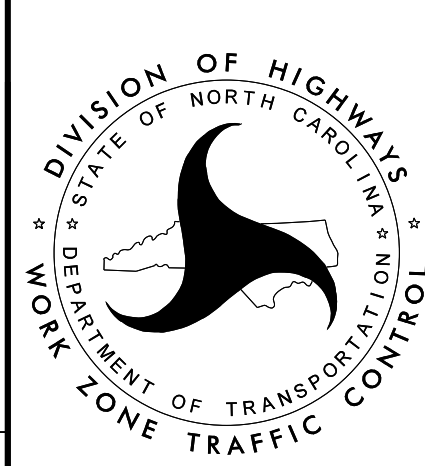
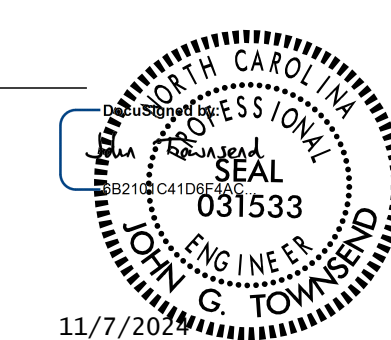
11/7/2024
R:\TrafficControl\TCP\15979_tmp_psh2.dgn
User:JHownsend



940 Main Campus Drive, Suite 500 Raleigh, NC 27606
NC License No. C-3705

APPROVED: _____
DATE: _____

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



TEMPORARY TRAFFIC CONTROL DETAIL PHASE III