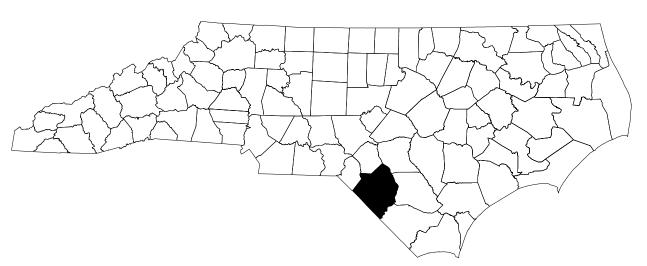
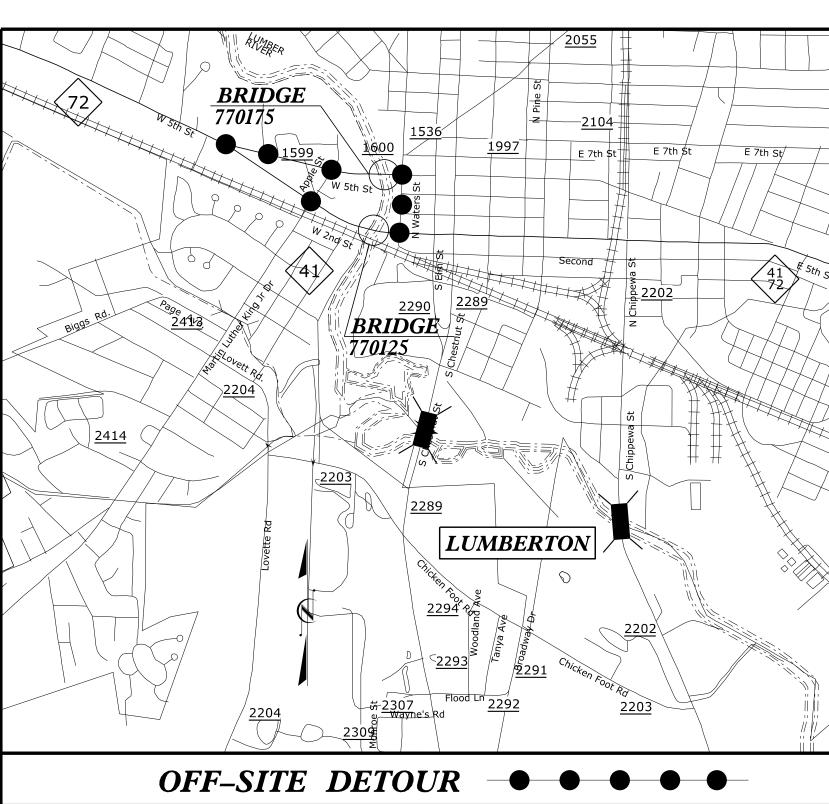
TRANSPORTATION MANAGEMENT PLAN

ROBESON COUNTY





LOCATION: BRIDGE NO. 770125 OVER LUMBER RIVER ON NC 41/72

TYPE OF WORK: GRADING, DRAINAGE, SIGNALS, PAVING & STRUCTURES

WORK ZONE SAFETY & MOBILITY
"from the MOUNTAINS to the COAST"

PLANS PREPARED BY:

GREG PURVIS, P.E.

D. ALLEN HAYES, E.I.

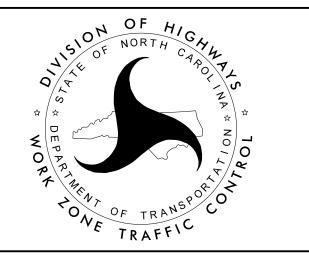
D. A. PARKER, P.E.

PROJECT ENGINEER

SPENCER JENNINGS

PROJECT DESIGN ENGINEER

NCDOT CONTACTS:



INDEX OF SHEETS

TITLE

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TMP-01A LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND

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TMP-01C PROJECT LAYOUT

TMP-02 WATER TRANSPORTATION MANAGEMENT PLAN DETAIL

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24

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PROIECT:

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN

7/23/2023 P:\2018\SMU Bridge Replacement

PROJ. REFERENCE NO. B-5985A TMP-01A

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" -N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.

TITLE

1101.01 1101.02 1101.03 1101.05 1101.11	TEMPORARY LANE CLOSURES TEMPORARY ROAD CLOSURES WORK ZONE VEHICLE ACCESSES TRAFFIC CONTROL DESIGN TABLES
1110.01	
1110.02	
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	
1145.01	BARRICADES
1150.01	
1165.01	TRUCK MOUNTED ATTENUATOR
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
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)

LEGEND

GENERAL

DIRECTION OF TRAFFIC FLOW

DIRECTION OF PEDESTRIAN TRAFFIC FLOW

----- EXIST. PVMT.

────── NORTH ARROW

— PROPOSED PVMT.

WORK AREA

SIGNALS







PAVEMENT MARKINGS

——EXISTING LINES ——TEMPORARY LINES

BARRICADE (TYPE III)

TRAFFIC CONTROL DEVICES

PEDESTRIAN BARRICADE

FLASHING ARROW BOARD

CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

STATIONARY SIGN

PAVEMENT MARKING SYMBOLS

PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION	PAY ITEM
P1	WHITE SOLID EDGE LINE	PAINT (4")
P2	WHITE SOLID LANE LINE	PAINT (4")
Р3	10 FT 30 FT./SP WHITE SKIP	PAINT (4")
P4	3 FT 9 FT./SP WHITE MINISKIP	PAINT (4")
P5	2 FT 6 FT./SP WHITE MINISKIP	PAINT (4")
P11	YELLOW SINGLE CENTER	PAINT (4")
P13	YELLOW DOUBLE CENTER	PAINT (4")
P40	WHITE GORELINE	PAINT (8")
P41	WHITE DIAGONAL	PAINT (8")
P61	WHITE STOPBAR	PAINT $(24'')$
P62	WHITE CROSSWALK LINE (HIGH VISIBILITY)	PAINT (24")
P70	LEFT TURN ARROW	PAINT PAVEMENT MARKING SYMBOLS
P71	RIGHT TURN ARROW	PAINT PAVEMENT MARKING SYMBOLS
P74	RIGHT/STRAIGHT TURN ARROW	PAINT PAVEMENT MARKING SYMBOLS
P100	ALPHANUMERIC CHARACTERS	PAINT PAVEMENT MARKING CHARACTERS

EXISTING MARKINGS TO BE REPLACED AT PROJECT'S END OUTSIDE OF PROJECT LIMITS

10 FT. - 30 FT./SP WHITE SKIP 3 FT. - 9 FT./SP WHITE MINISKIP STRAIGHT ARROW

THERMOPLASTIC (4", 90 MIL) THERMOPLASTIC (4", 90 MIL) THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MIL)

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN

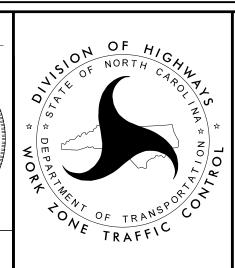
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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APPROVED: Gras Junis



LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND

PROJ. REFERENCE NO. SHEET NO. B-5985A TMP-01C

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

1. ALL ROADS

6:00 A.M. - 7:00 P.M. MONDAY - SUNDAY

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

ROAD NAME

1. ALL ROADS

HOLIDAY

- 1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- 2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 7:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 7:00 P.M. THE FOLLOWING TUESDAY.
- 3. FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 7:00 P.M. MONDAY.
- 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 7:00 P.M. TUESDAY.
- 5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 7:00 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 7:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.

- 6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 7:00 P.M. TUESDAY.
- 7. FOR THANKSGIVING DAY. BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 7:00 P.M. MONDAY.
- 8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME

DAY AND TIME RESTRICTIONS DURATION AND OPERATION

1. ALL ROADS

6:00 A.M. - 7:00 P.M. MONDAY - SUNDAY

TRAFFIC **OPERATIONS**

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.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

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

- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY. CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY. RAMP. OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON ANY RD.

PAVEMENT EDGE DROP OFF REQUIREMENTS

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) 200 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.
- PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

AND

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

AND

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

- ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 200 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

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

PAVEMENT MARKINGS AND MARKERS

1. ALL ROADS

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

PAINT

ROAD NAME MARKING MARKER

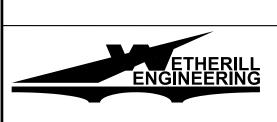
TEMPORARY RAISED

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. TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING
- REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

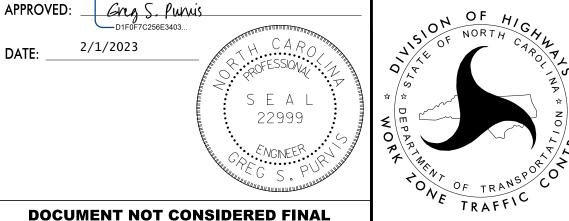
MISCELLANEOUS

- LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 200 FT AND 200 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.
- AA) 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.
- 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.).
- CC) DO NOT PLACE TRANSPORTATION MANAGEMENT DEVICES OR SIGNING ON OPEN PEDESTRIAN TRAVELWAYS.
- ALL STATIONS ARE CONSIDERED +/- UNLESS OTHERWISE SHOWN ON THE
- EE) MAINTAIN ACCESS TO ALL ROADS AND DRIVEWAYS PER THE DISCRETION OF THE ENGINEER. USE COMPACTED ABC OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER.



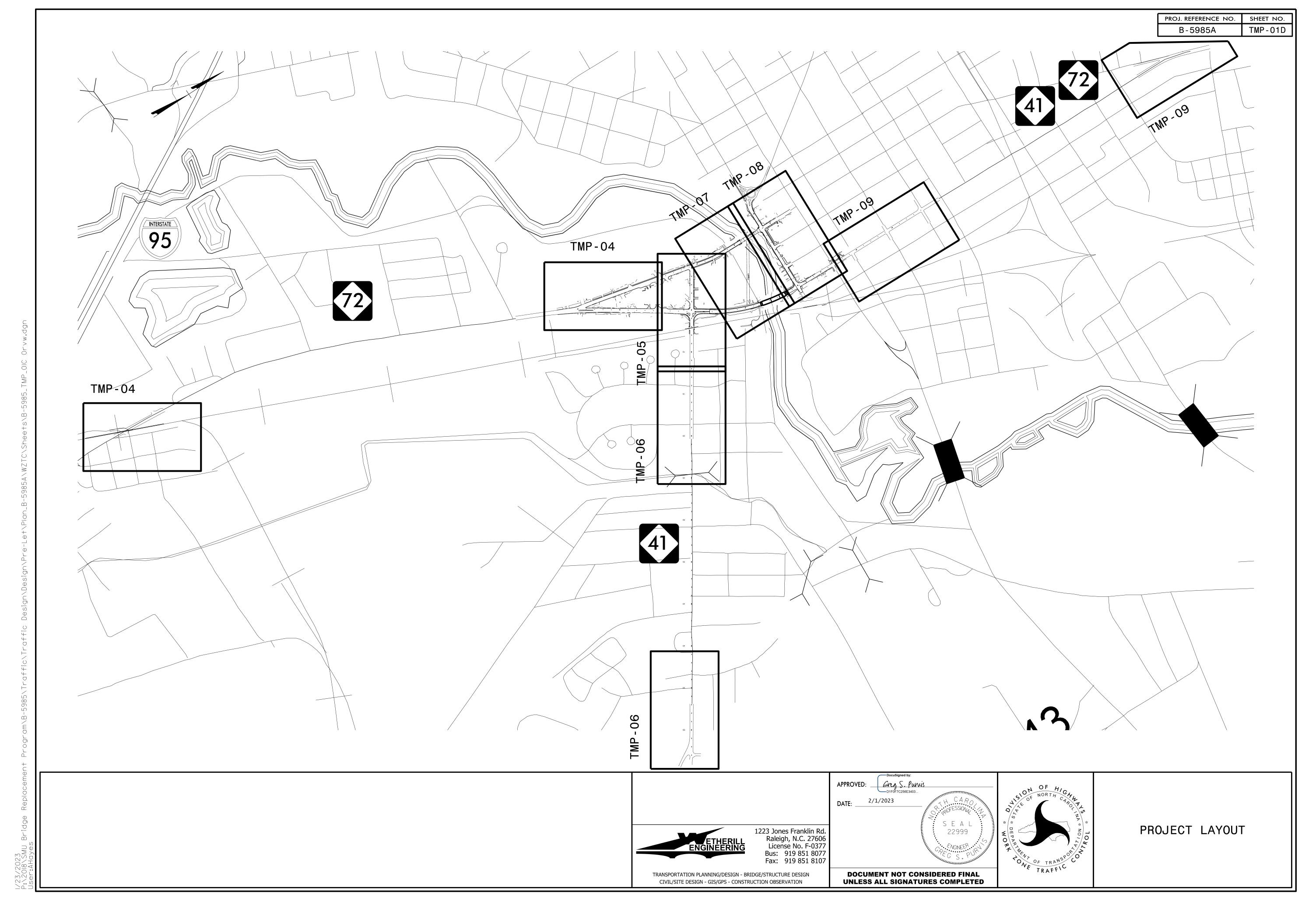
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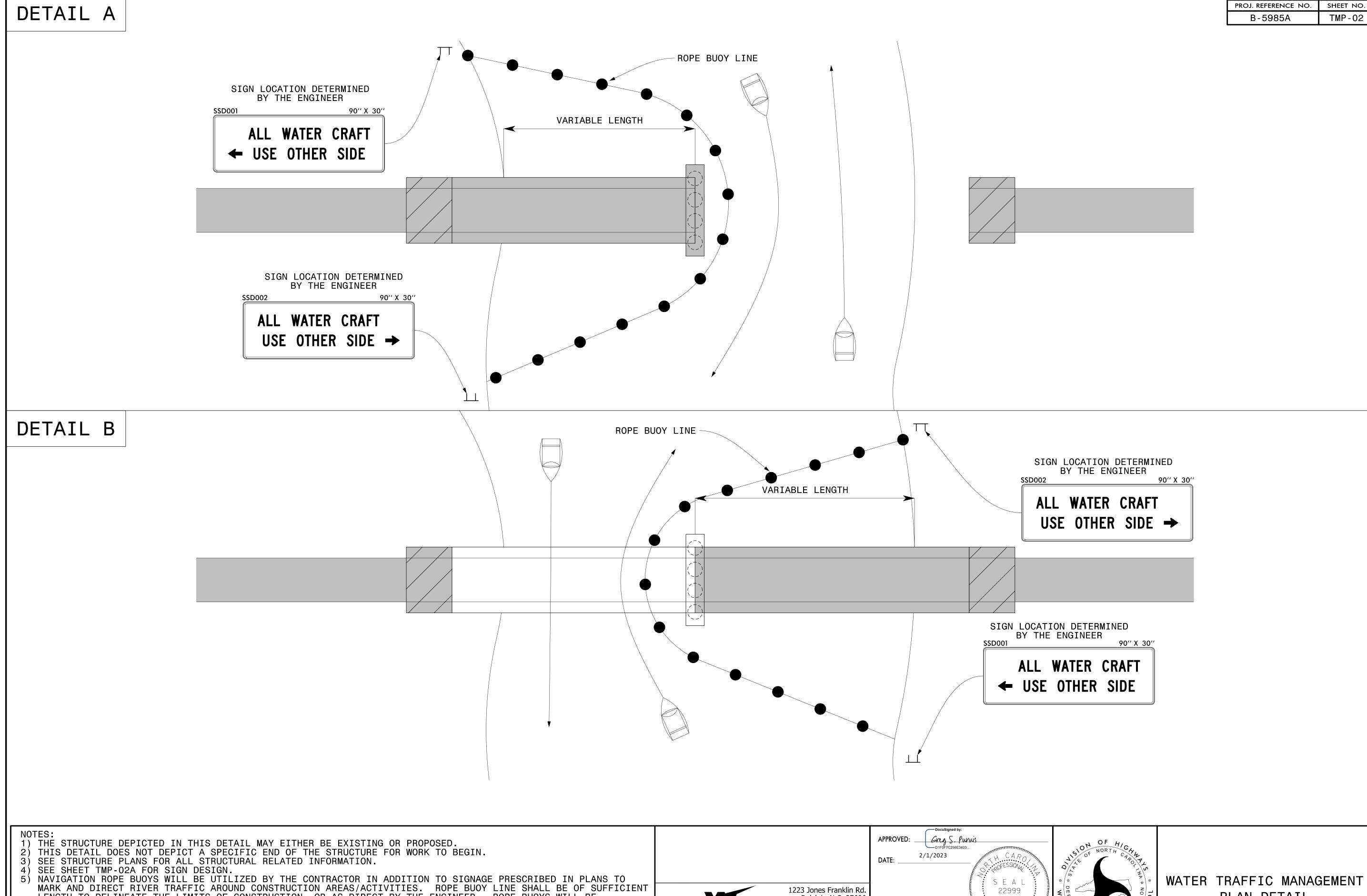
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION



TRANSPORTATION OPERATIONS PLAN: (GENERAL NOTES)

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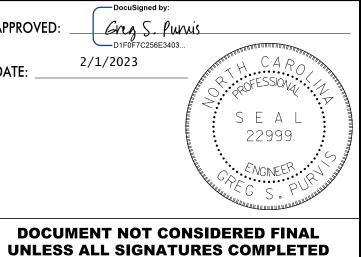
5) NAVIGATION ROPE BUOYS WILL BE UTILIZED BY THE CONTRACTOR IN ADDITION TO SIGNAGE PRESCRIBED IN PLANS TO MARK AND DIRECT RIVER TRAFFIC AROUND CONSTRUCTION AREAS/ACTIVITIES. ROPE BUOY LINE SHALL BE OF SUFFICIENT LENGTH TO DELINEATE THE LIMITS OF CONSTRUCTION, OR AS DIRECT BY THE ENGINEER. ROPE BUOYS WILL BE COMPLETELY FILLED WITH URETHANE FOAM OR OTHER MATERIALS TO PREVENT POTENTIAL FAILURE (I.E., SINKING) WHICH MEET OR EXCEED UNITED STATES COAST GUARD REQUIREMENTS. ROPE BUOYS WILL BE EFFECTIVELY SECURED AGAINST ACCIDENTAL OR INTENTIONAL DISPLACEMENT. PLACEMENT OF ROPE BUOYS SHALL BE AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INSTALL, MAINTAIN AND REMOVE ROPE BUOY. NO PAYMENT WILL BE MADE FOR ROPE BUOY LINE AS

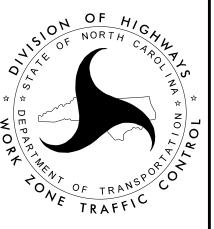
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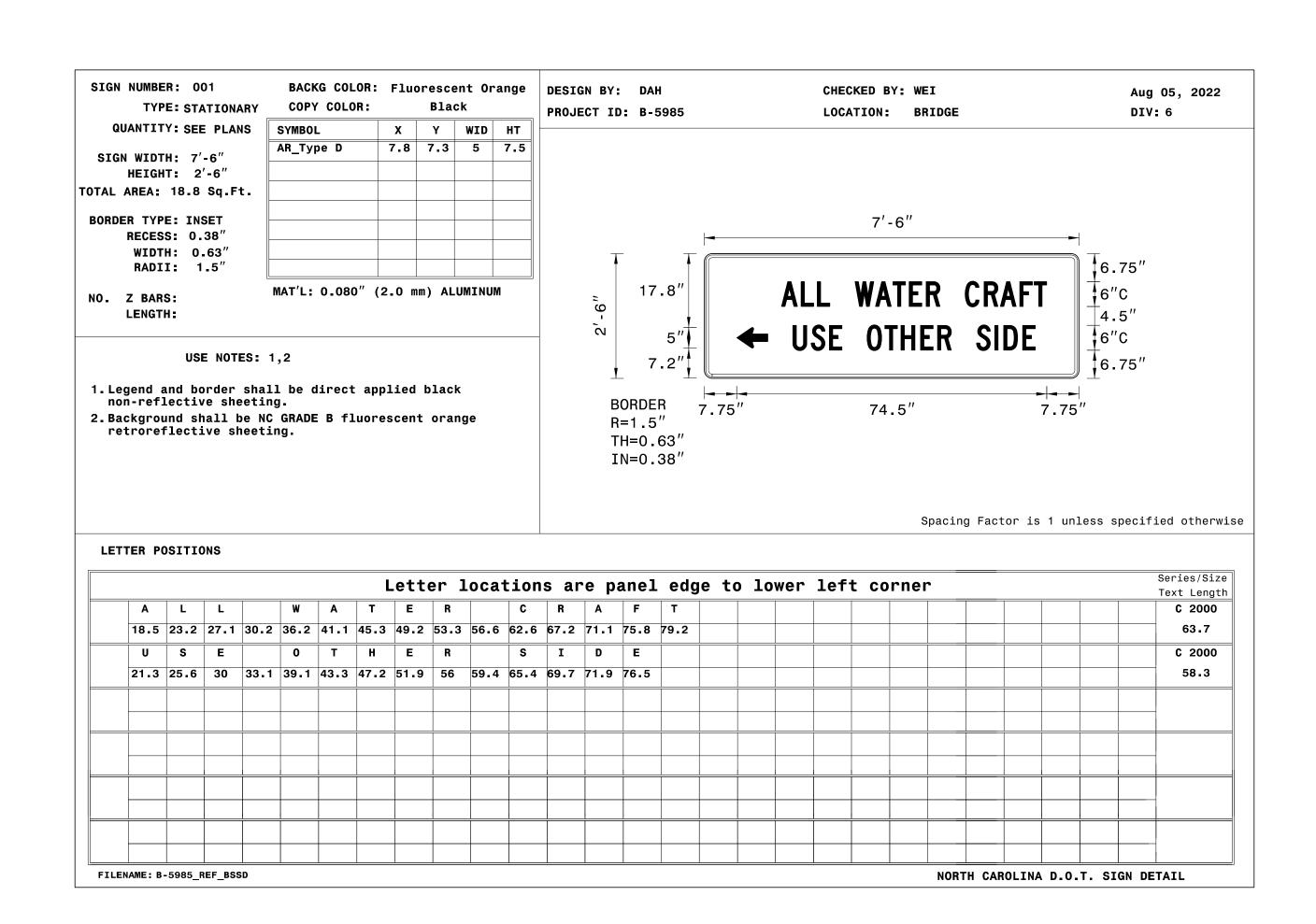
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

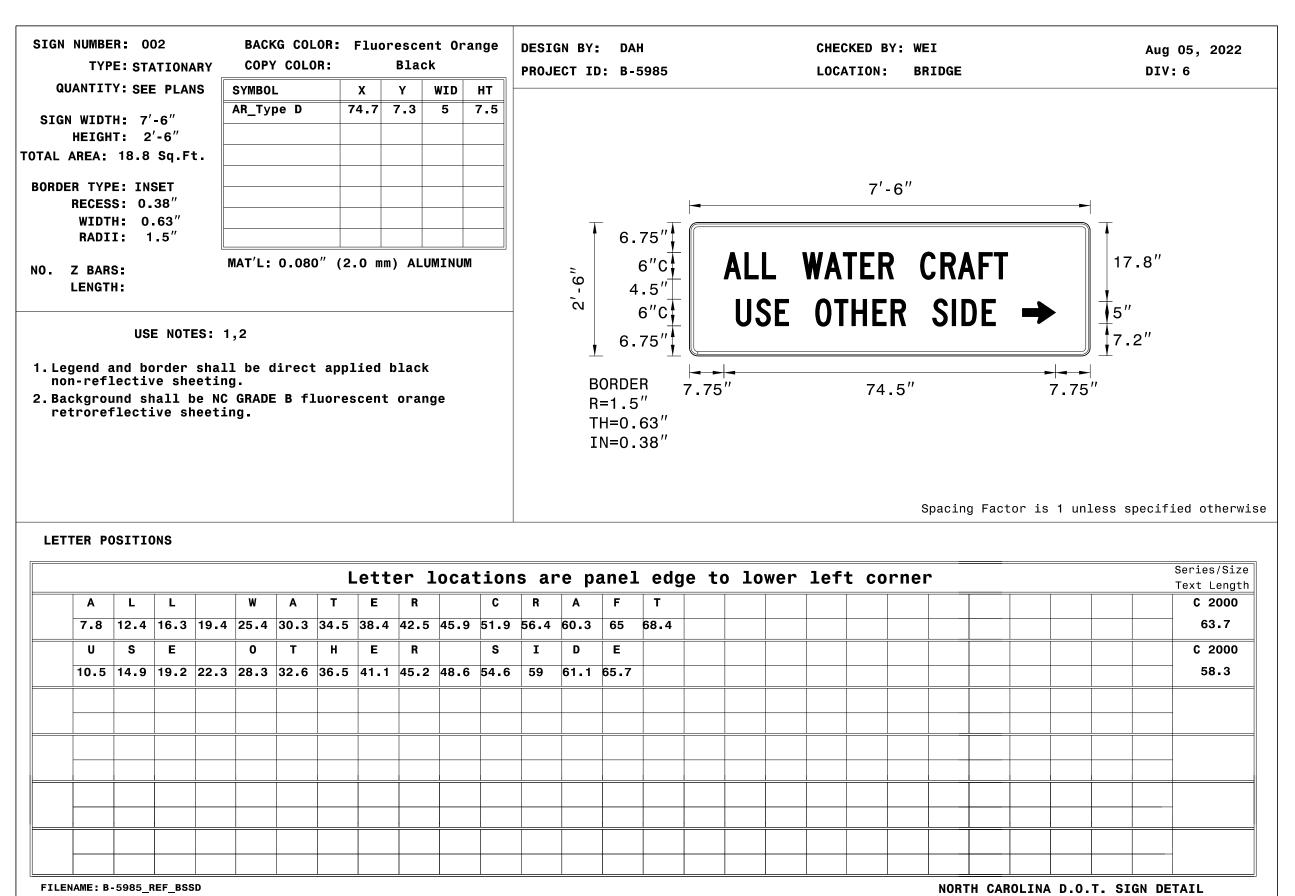




PLAN DETAIL

PROJ. REFERENCE NO. SHEET NO. TMP-02A B-5985A





TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN

CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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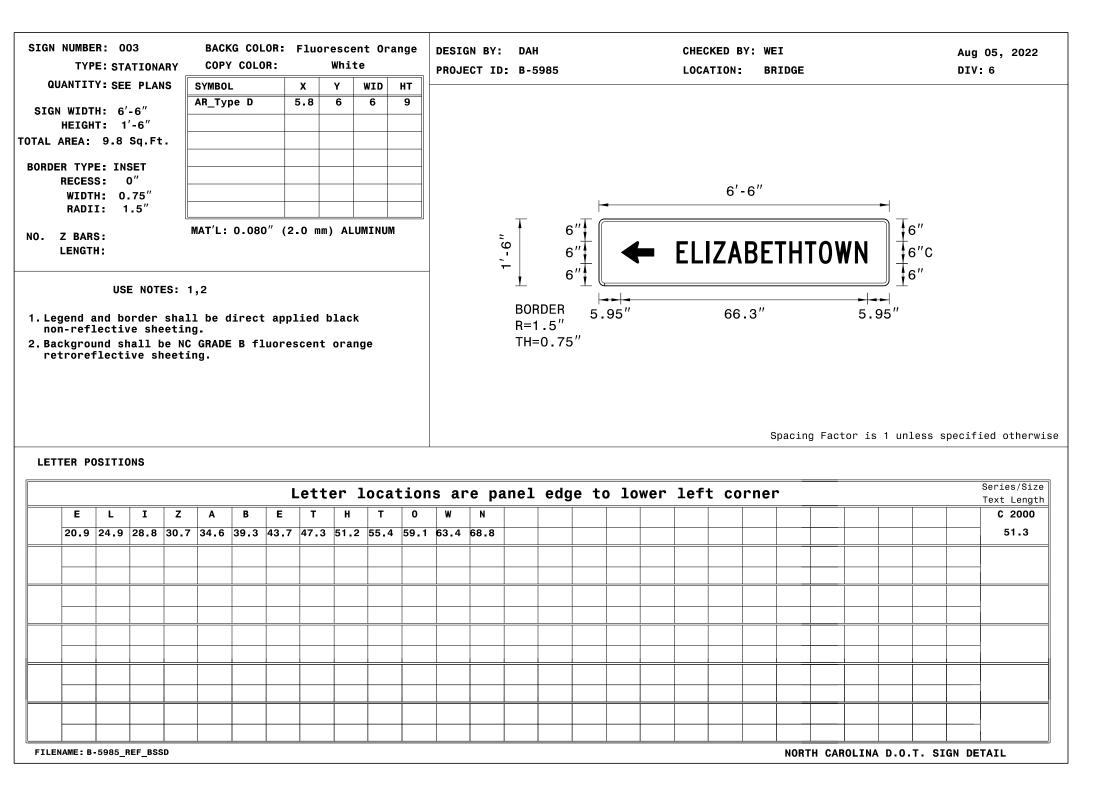
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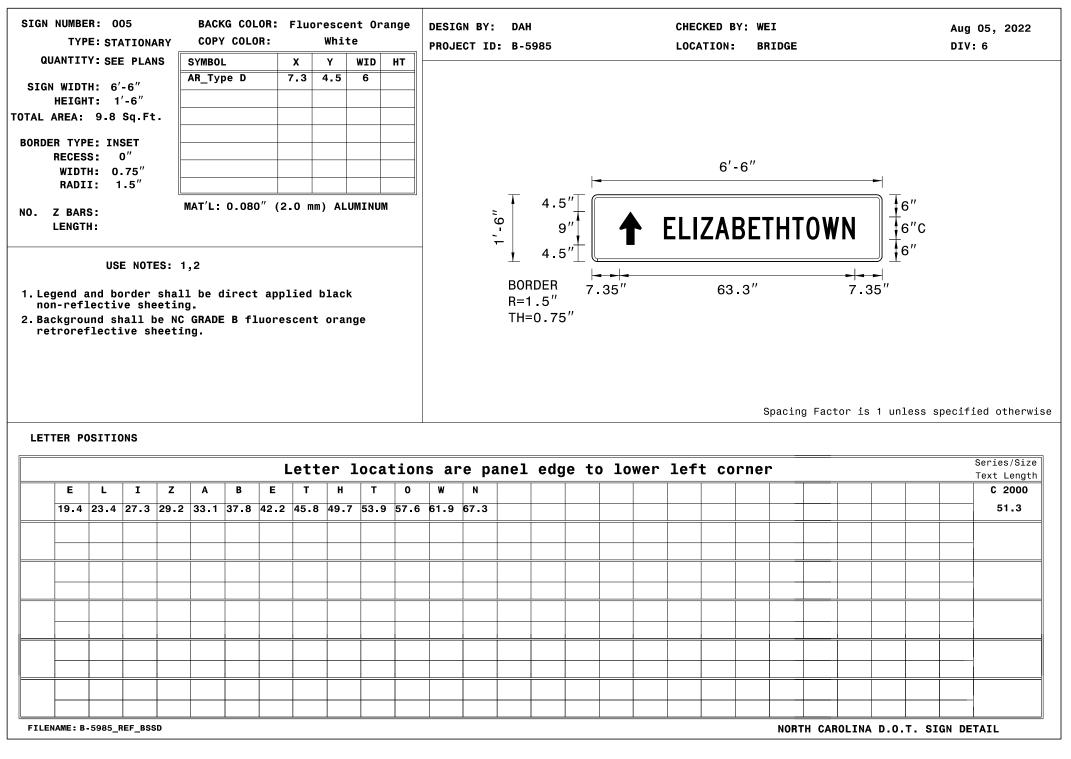
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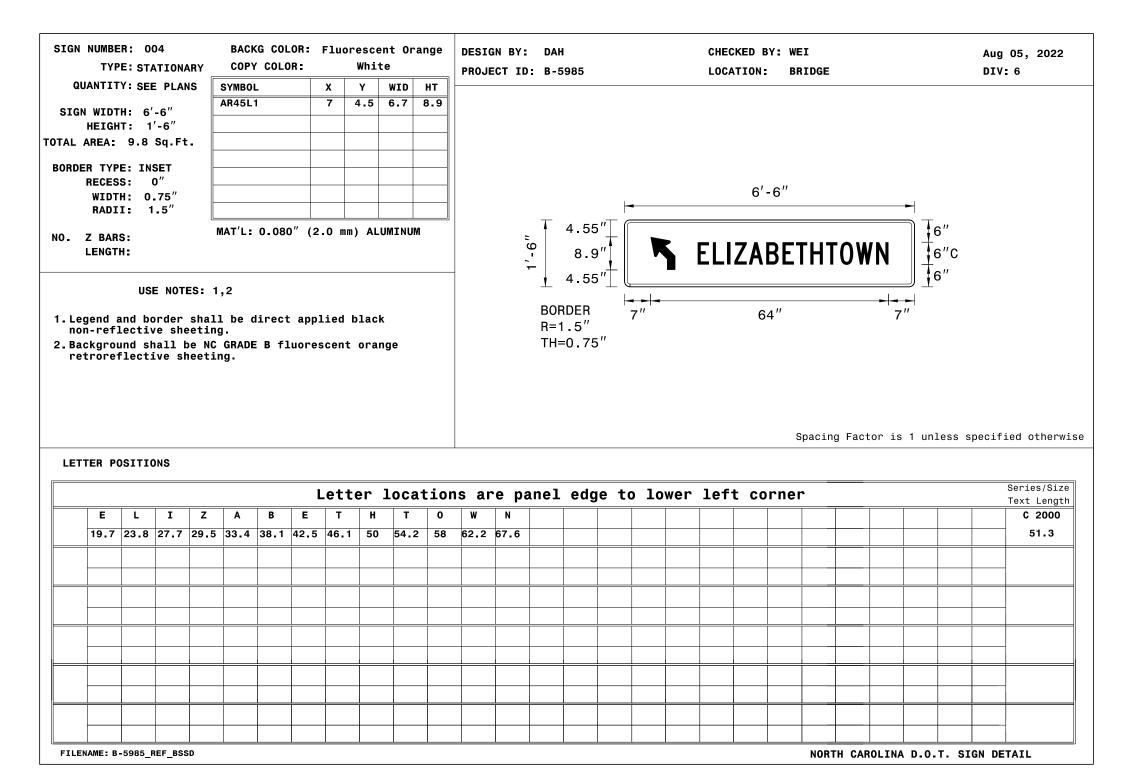
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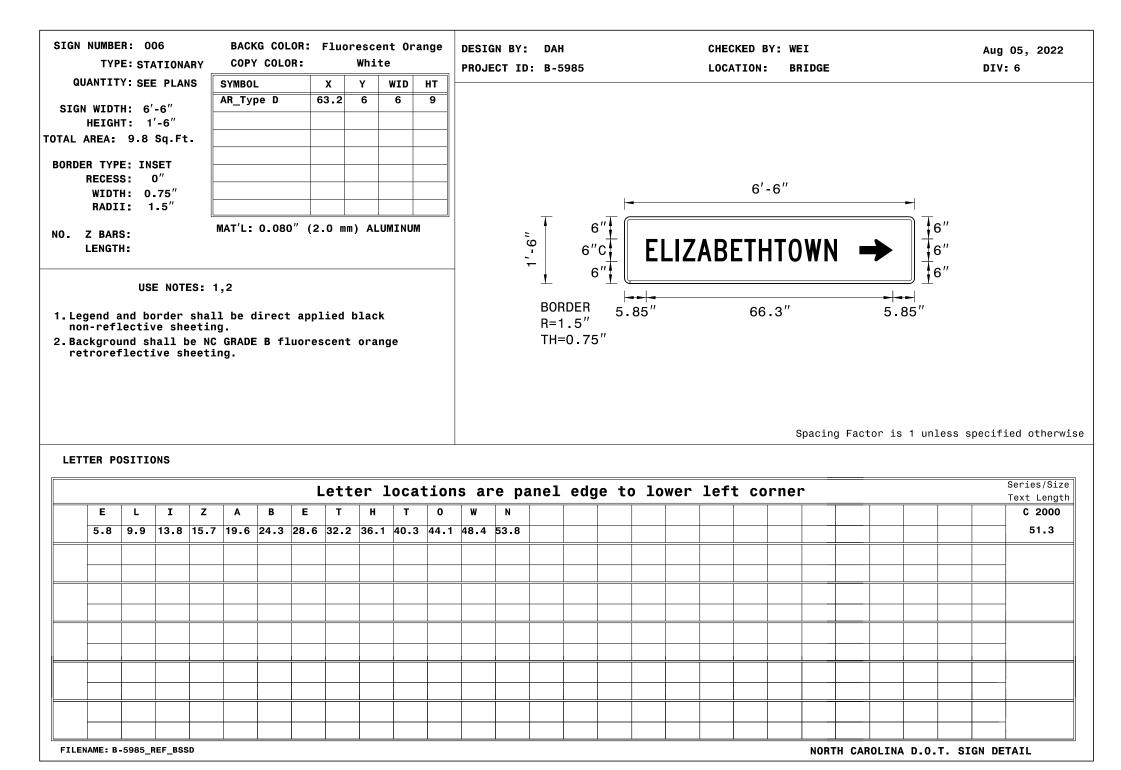
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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

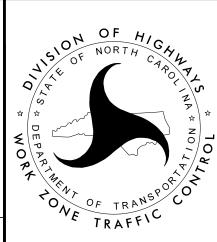
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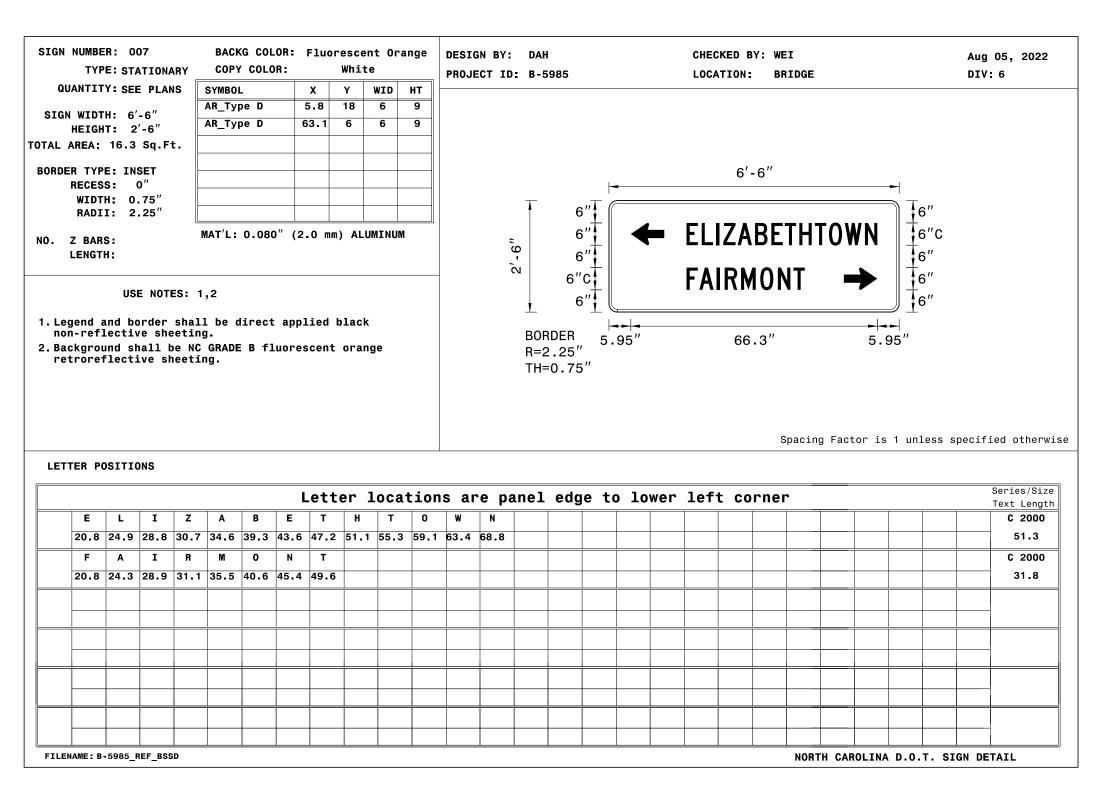
Fax: 919 851 8107 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN

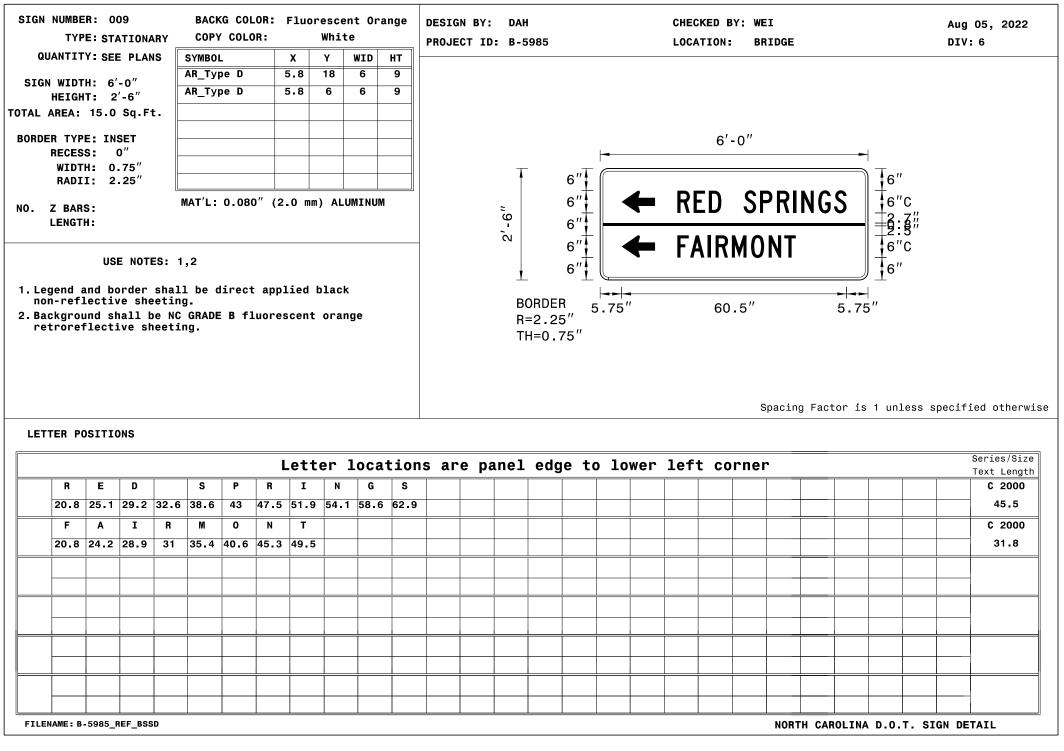
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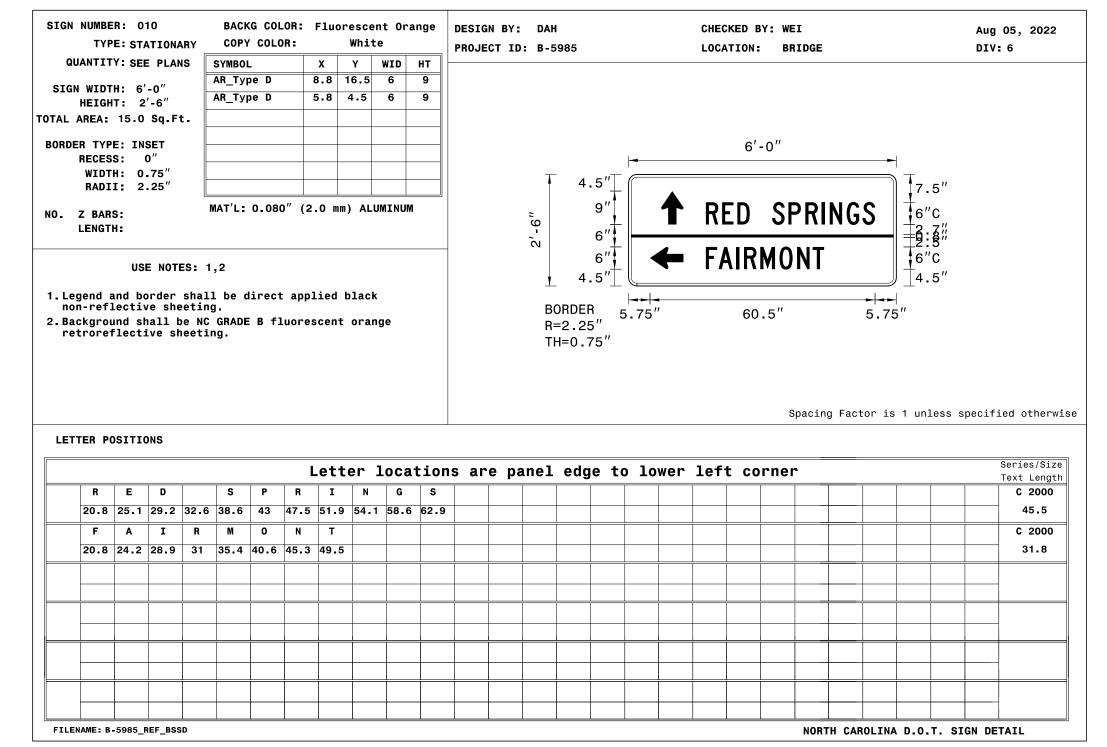
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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

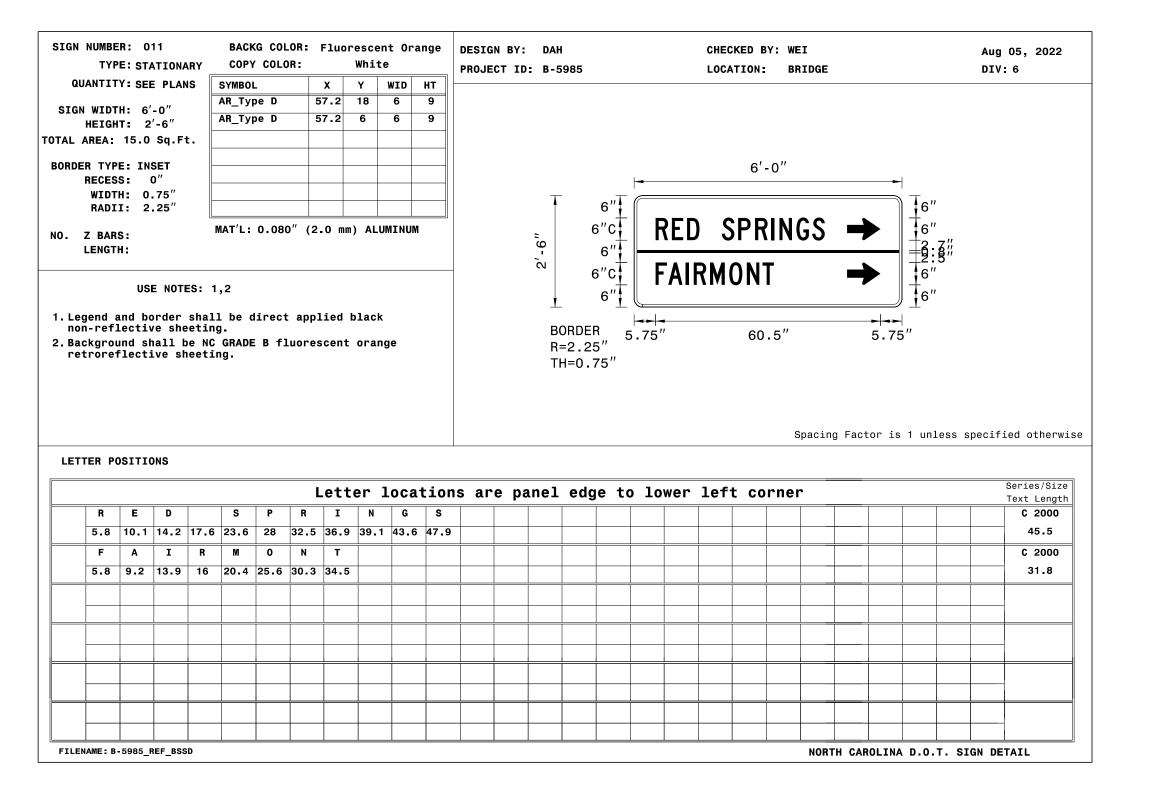
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN

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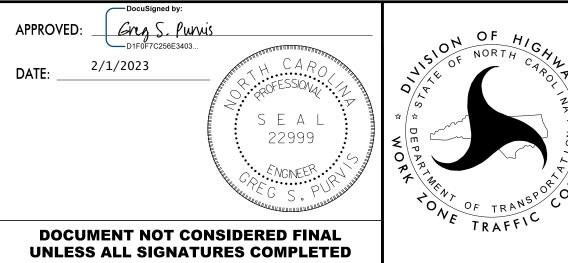


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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN

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PROJ. REFERENCE NO. SHEET NO. B-5985A TMP-03

PHASE I

- STEP 1) USING ROADWAY STANDARD DRAWING (RSD) 1101.01 INSTALL ALL ADVANCE WARNING SIGNING.
- STEP 2) USING RSD 1101.02, COMPLETE THE INTERSECTION IMPROVEMENTS AT THE -L1-/-EY2- INTERSECTION. [TMP-08]

NOTE: STEPS 3 THRU 3E SHALL BE COMPLETED IN A CONTINUOUS MANNER, IN THE FOLLOWING ORDER:

NOTE: IF CONSTRUCTION DOES NOT BEGIN WITHIN 3 DAYS OF SIGN AND CMS INSTALLATION, COVER SIGNING AND TURN OFF CMS BOARDS. ON THE DAY CONSTRUCTION BEGINS, UNCOVER SIGNING AND TURN ON CMS BOARDS PRIOR TO THE BEGINNING OF CONSTRUCTION OPERATIONS.

- STEP 3) USING RSD 1101.02 AS NEEDED, COMPLETE THE FOLLOWING [TMP-05]: - INSTALL TEMPORARY PAVEMENT MARKINGS ON APPLE ST. AND CLOSE THE LEFT TURN LANE WITH DRUMS
 - INSTALL AND COVER DETOUR SIGNING ON THE NORTH LEG OF THE NC 72/NC 41 INTERSECTION
- STEP 3A) USING RSD 1101.02 AS NEEDED, COMPLETE THE FOLLOWING [TMP-05]: - INSTALL TEMPORARY PAVEMENT MARKINGS (STOPBARS) AND TEMPORARY PORTABLE SIGNALS AT THE W. 5TH ST./APPLE ST. INTERSECTION. UPON ACTIVATION OF THE PORTABLE SIGNAL
 - SYSTEM, REMOVE THE EXISTING STOP SIGNS. - INSTALL AND COVER THE DETOUR SIGNING ON THE SOUTH AND EAST LEGS OF THE W. 5TH ST./APPLE ST. INTERSECTION
- STEP 3B) USING RSD 1101.02 AS NEEDED, COMPLETE THE FOLLOWING [TMP-08 & 09]:
 - INSTALL TEMPORARY PAVEMENT MARKINGS ON -EY2- AND INSTALL TEMPORARY SIGNAL AT THE W. 5TH ST./WATER ST. INTERSECTION. ACTIVATE TEMPORARY SIGNAL UPON COMPLETION OF STEP 3B.
 - INSTALL SIGNS W23-2
 - INSTALL AND COVER ROAD CLOSURE SIGNING ALONG NC 72 EAST OF WATER ST.
 - INSTALL AND COVER DETOUR SIGNING ON THE SOUTH AND WEST LEGS OF THE W. 5TH ST./WATER ST. INTERSECTION
 - INSTALL AND COVER DETOUR SIGNING ON THE NORTH AND EAST LEGS OF THE NC 72/WATER ST. INTERSECTION
 - INSTALL AND COVER DETOUR SIGNING ALONG NC 72 EAST OF WATER ST.
 - INSTALL BUT DO NOT ACTIVATE THE CMS BOARD ON NC 72 EAST OF WATER ST.
- STEP 3C) USING RSD 1101.02 AS NEEDED, COMPLETE THE FOLLOWING [TMP-04, 05, 08, & 09]:
 - INSTALL TEMPORARY SIGNAL AT THE NC 72/W. 5TH ST.
 - INTERSECTION, TEMPORARY PAVEMENT MARKINGS, SIGN W23-2 AND ACTIVATE TEMPORARY SIGNAL
 - INSTALL TEMPORARY SIGNAL AT THE NC 72/NC 41 INTERSECTION - INSTALL AND COVER ROAD CLOSURE SIGNING AND CMS ALONG NC 72
 - WEST OF WATER ST. (DO NOT ACTIVATE CMS BOARD) - INSTALL AND COVER ROAD CLOSURE AND DETOUR SIGNING ON THE WEST LEG OF THE NC 72/W. 5TH ST. INTERSECTION
 - CLOSE THE EASTBOUND THROUGH LANE ON -L1- AT THE INTERSECTION WITH DRUMS. INSTALL TEMPORARY PAVEMENT MARKINGS AND SIGN 'R3-7L' NEXT TO THE EXISTING SIGN 'R3-7R' ON THE WEST LEG OF THE NC 72/NC 41 INTERSECTION, ACTIVATE TEMPORARY SIGNAL, REMOVE EXISTING DESTINATION SIGN AND REPLACE WITH SSD007, REMOVE EXISTING SIGNS 'M6-3' AND REPLACE WITH SIGNS 'M6-1' AT THE WEST LEG OF THE NC 72/NC 41 INTERSECTION, AND DETOUR NC 41 NB TRAFFIC ALONG APPLE ST.
 - TO W. 5TH ST. TO WATER ST. TO NC 72 EB - UNCOVER ALL DETOUR SIGNING ALONG THE DETOUR IN THIS DIRECTION
- STEP 3D) USING RSD 1101.02 AS NEEDED, COMPLETE THE FOLLOWING [TMP-05 & 06]:
 - CLOSE THE OUTSIDE NORTHBOUND LANE OF NC 41 WITH TEMPORARY PAVEMENT MARKINGS, DRUMS, AND TYPE III BARRICADES, AND DETOUR TRAFFIC ALONG THE SAME ROUTE DESCRIBED IN STEP 3C. CLOSE -L1- EB WITH TYPE III BARRICADES.
 - INSTALL LANE CLOSURE SIGNING AND CMS ALONG NC 41
 - INSTALL SSD005
 - REMOVE AND REPLACE EXISTING SIGNS 'M6-1' WITH SIGNS 'M6-3'

- STEP 3E) USING SHEETS TMP-05, 08, & 09, COMPLETE THE FOLLOWING [TMP-05, 08, & 09]:
 - UNCOVÉR RÓAD CLÔSURE SIGNING AND ACTIVATE CMS ALONG NC 72 EAST OF WATER ST.
 - CLOSE -L1- WB WITH TYPE III BARRICADES AND DETOUR NC 72/NC 41 TRAFFIC ALONG THE SAME ROUTE DESCRIBED IN STEP 3C BUT IN THE REVERSE ORDER, UNCOVER DETOUR SIGNING ALONG THE DETOUR IN THIS DIRECTION
- STEP 4) INSTALL PEDESTRIAN DETOUR SIGNING AND BARRICADES AND DETOUR PEDESTRIAN TRAFFIC. THEN, USING SHEETS TMP-02 AND 02A INSTALL THE WATER TRAFFIC DETOUR SIGNING AND DEVICES. FINALLY, AWAY FROM TRAFFIC, CONSTRUCT -L1- UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE, FINAL PAVEMENT MARKINGS, AND MARKERS. [TMP-05, 07, 08, & FINAL PAVEMENT MARKING PLAN]

PHASE II

STEP 1) USING RSD 1101.02 AS NEEDED, INSTALL PROPOSED SIGNAL MILL AND RESURFACE -EY2- FRÓM BEGIN CONSTRUCTION LIMÍTS TO STA 14+25 -EY2-, INSTALL PROPOSED SIGNAL AT THE NC 72/WATER ST. INTERSECTION, FÍNAL PAVEMENT MARKINGS, AND MARKERS. [REFER TO ROADWAY PLANS, SIGNALS PLAN, & FINAL PAVEMENT MARKING PLAN]

> AWAY FROM TRAFFIC, INSTALL THE FINAL LIFT OF SURFACE COURSE, FINAL PAVEMENT MARKINGS, AND MARKERS ON -L1-.

STEP 2) ACTIVATE PROPOSED SIGNAL INSTALLED IN STEP 1, OPEN -L1- TO THE FINAL PATTERN, AND REMOVE ROAD CLOSURE SÍGNING, DETOUR SIGNING (INCLUDING DESTINATION SIGN SSD008), AND TRANSPORTATION MANAGEMENT DEVICES INSTALLED IN PHASE I, EXCEPT THE PEDESTRIAN CHANNELIZING DEVICES USED TO CLOSE 'SHORTCUT' TO PEDESTRIAN TRAIL (SEE SHEET TMP-07). REMOVE TEMPORARY PAVEMENT MARKINGS INSTALLED IN PHASE I, STEPS 3, 3A, 3C, AND 3D, INSTALL PAVEMENT MARKINGS TO REFLECT THE EXISTING CONDITION, RETURN THE EXISTING SIGNAL AT THE NC 72/W. 5TH ST. INTERSECTION (SEE SHEET TMP-01A FOR MARKING SCHEDULE), AND REMOVE THE PORTABLE SIGNALS INSTALLED IN PHASE I, STEP 3A.

MANAGEMENT STRATEGIES

THE FOLLOWING LISTED WORK ZONE STRATEGIES ARE RECOMMENDED FOR INCLUSION WITHIN THIS TRANSPORTATION MANAGEMENT PLAN (TMP).

RECOMMENDED STRATEGIES:

TRAFFIC MANAGEMENT STRATEGIES:
FULL ROADWAY CLOSURES LANE SHIFTS OR CLOSURES SHOULDER CLOSURES ONE-LANE, TWO WAY OPERATION (FLAGGING) NIGHT WORK WORK HOUR RESTRICTIONS FOR PEAK TRAVEL PEDESTRIAN / BICYCLE ACCOMMODATIONS OFF-SITE DETOURS / USE OF ALTERNATIVE ROUTES

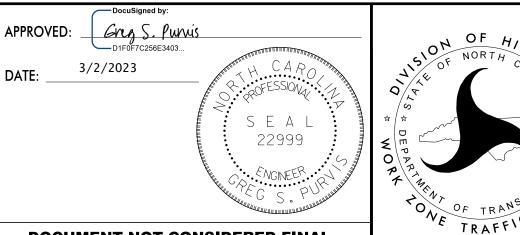
WORK ZONE SAFETY & MOBILITY STRATEGIES: TEMPORARY TRAFFIC SIGNALS

CORRIDOR / NETWORK MANAGEMENT STRATEGIES: SIGNAL TIMING / COORDINATION IMPROVEMENTS STREET / INTERSECTION IMPROVEMENTS COORDINATION WITH ADJACENT CONSTRUCTION SITE(S)

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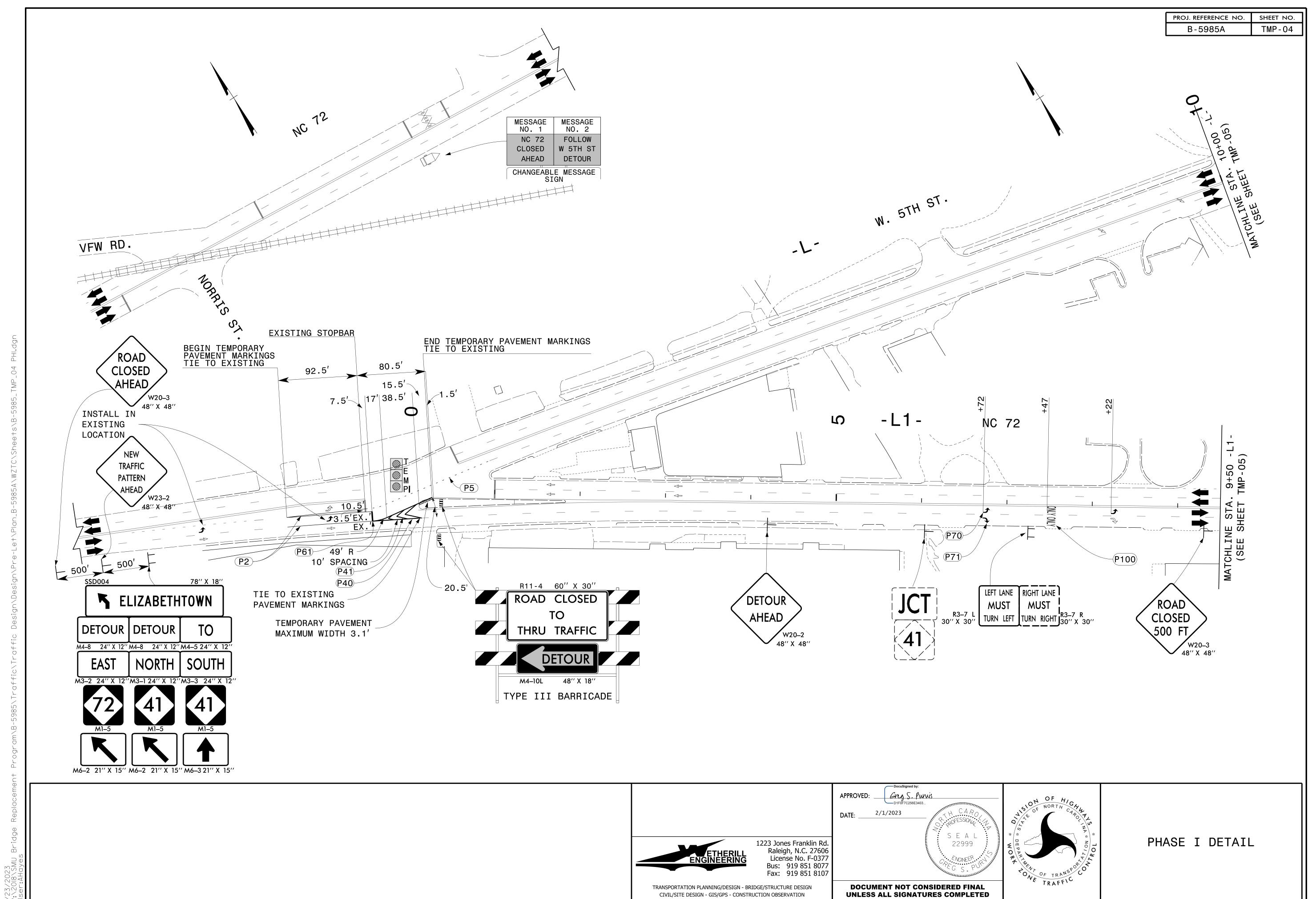


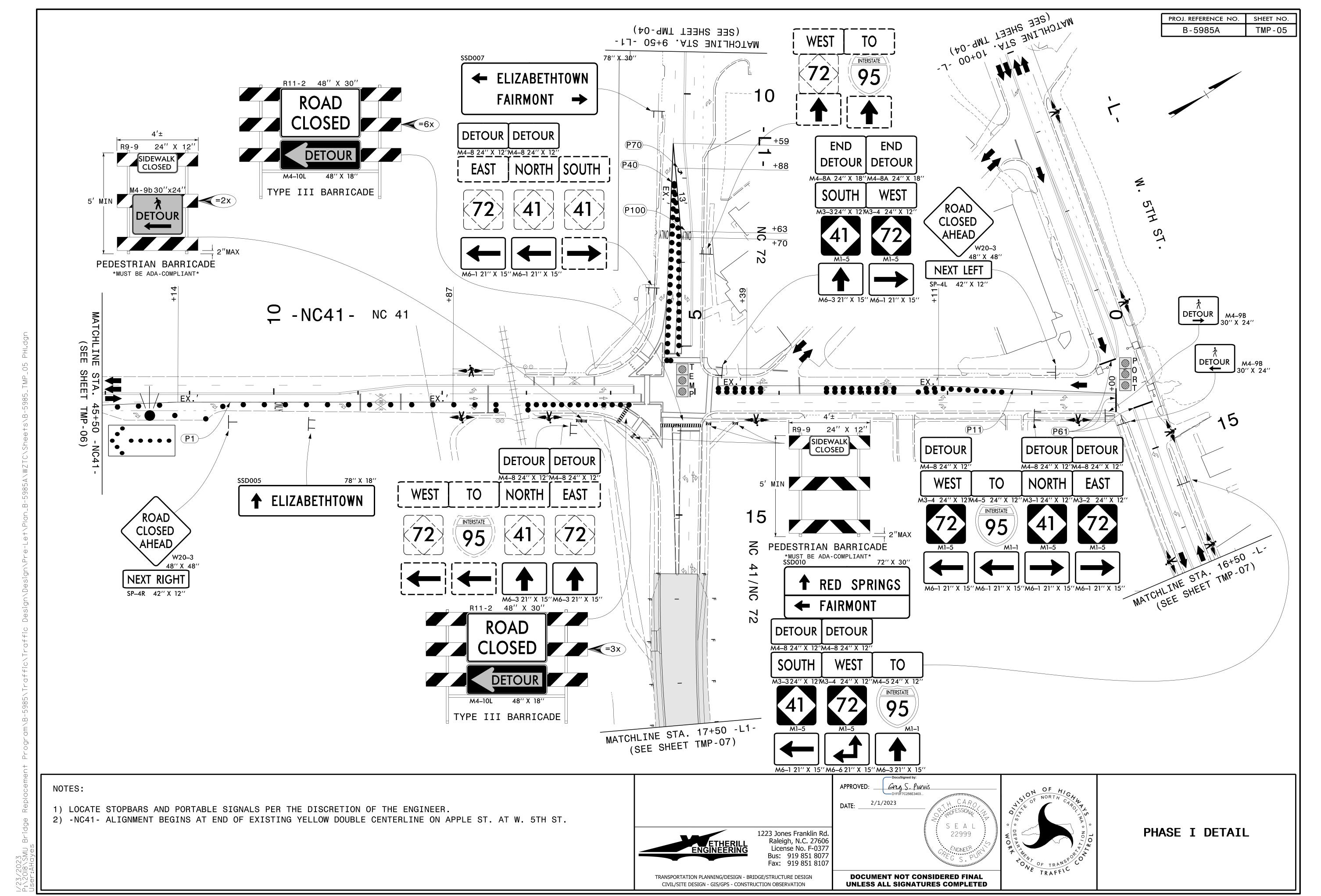
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PHASING AND MANAGEMENT STRATEGIES

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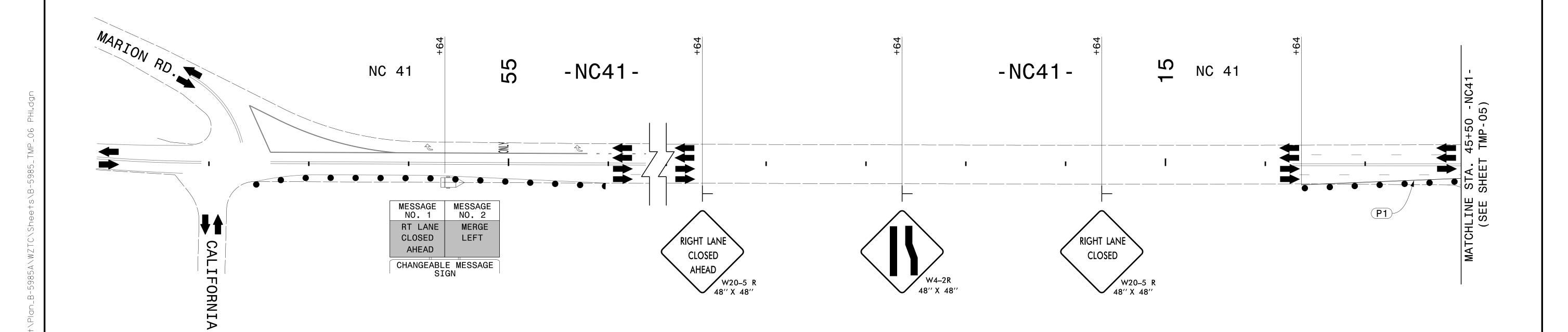
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Gry S. Purvis

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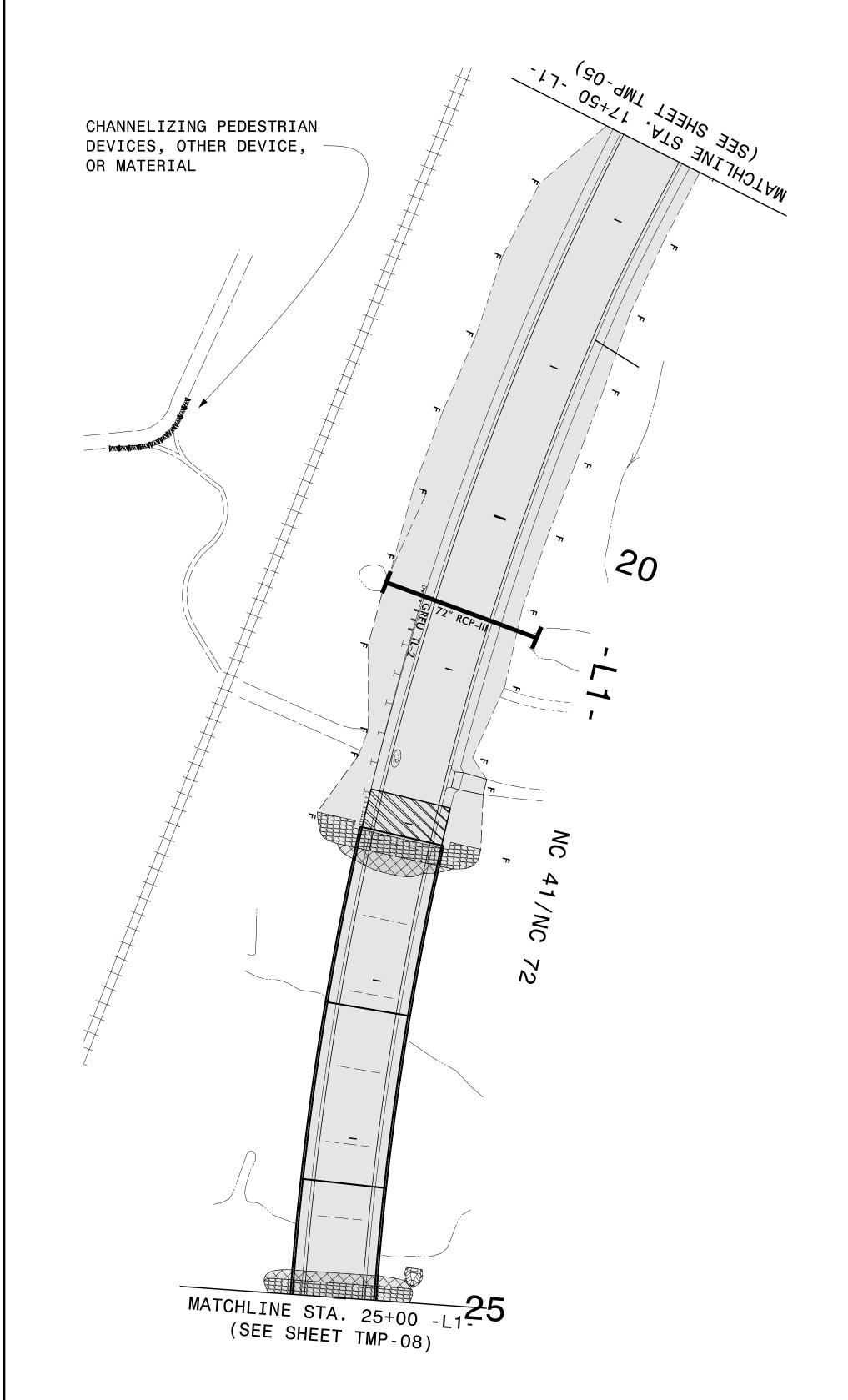
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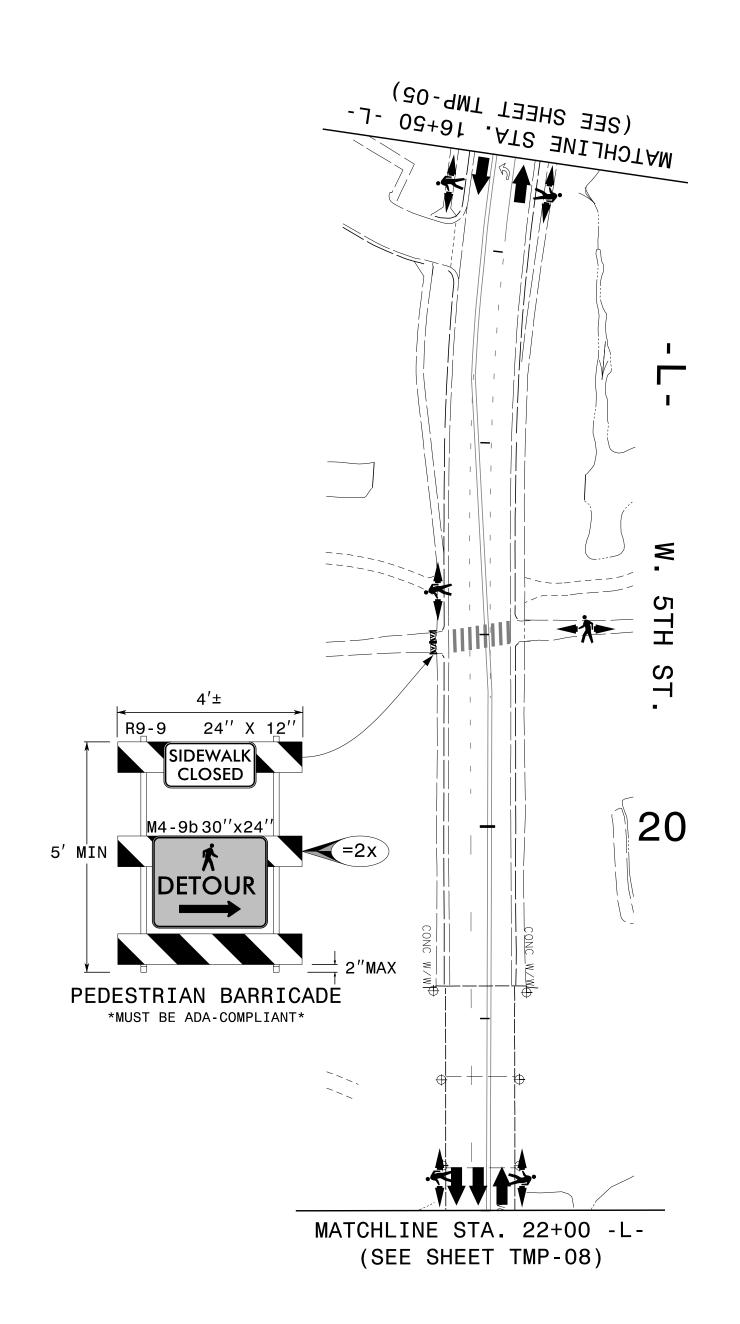
PHASE I DETAIL

DR.

PROJ. REFERENCE NO.	SHEET NO.
B-5985A	TMP-07







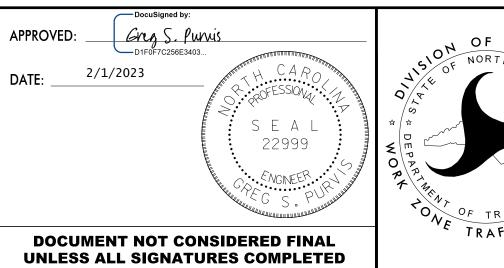
NOTES:

1) PER THE DISCRETION OF THE ENGINEER, CLOSE THE 'SHORTCUT' FROM THE PEDESTRIAN TRAIL ACROSS THE RAILROAD TRACKS. USE DEVICES OR MATERIALS DEEMED APPROPRIATE BY THE ENGINEER.



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A Y S A Y O N

PHASE I DETAIL

