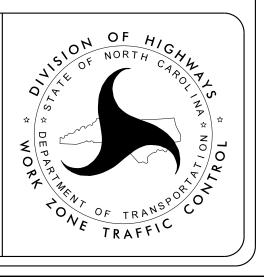


WORK ZONE SAFETY & MOBILITY

"from the MOUNTAINS to the COAST"

PROJECT DESIGN ENGINEER



SHEET NO.

TMP - 1	TITLE SHEET, VICINITY MAP, AND
TMP-1A	LIST OF APPLICABLE ROADWAY STA AND LEGEND
TMP-2	GENERAL NOTES
TMP-3	TEMPORARY TRAFFIC CONTROL PHAS
TMP-4	WORK ZONE ADVANCE WARNING SIGN
TMP-4A	TRAFFIC SHIFT DETAILS
TMP-5	DETOUR SIGNS AND CMS MESSAGES
TMP-6	EASTBOUND BRIDGE CLOSURE DETOU
TMP - 7	EASTBOUND ROAD CLOSURE DETAIL
TMP-8	WESTBOUND LANE CLOSURES
TMP-9	WESTBOUND BRIDGE CLOSURE DETOU
TMP - 10	WESTBOUND ROAD CLOSURE DETAIL



License No. F-0672

INDEX OF SHEETS

TITLE

TLE SHEET, VICINITY MAP, AND INDEX OF SHEETS ST OF APPLICABLE ROADWAY STANDARD DRAWINGS, D LEGEND NERAL NOTES MPORARY TRAFFIC CONTROL PHASING RK ZONE ADVANCE WARNING SIGNS AFFIC SHIFT DETAILS TOUR SIGNS AND CMS MESSAGES STBOUND BRIDGE CLOSURE DETOUR ROUTE STBOUND ROAD CLOSURE DETAIL STBOUND LANE CLOSURES STBOUND BRIDGE CLOSURE DETOUR ROUTE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED J.W. Woolard, Jr. 19862 11/3/2023

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

SHEET NO. TMP-1

 \frown

••

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" -PROJECT SERVICES UNIT - 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:

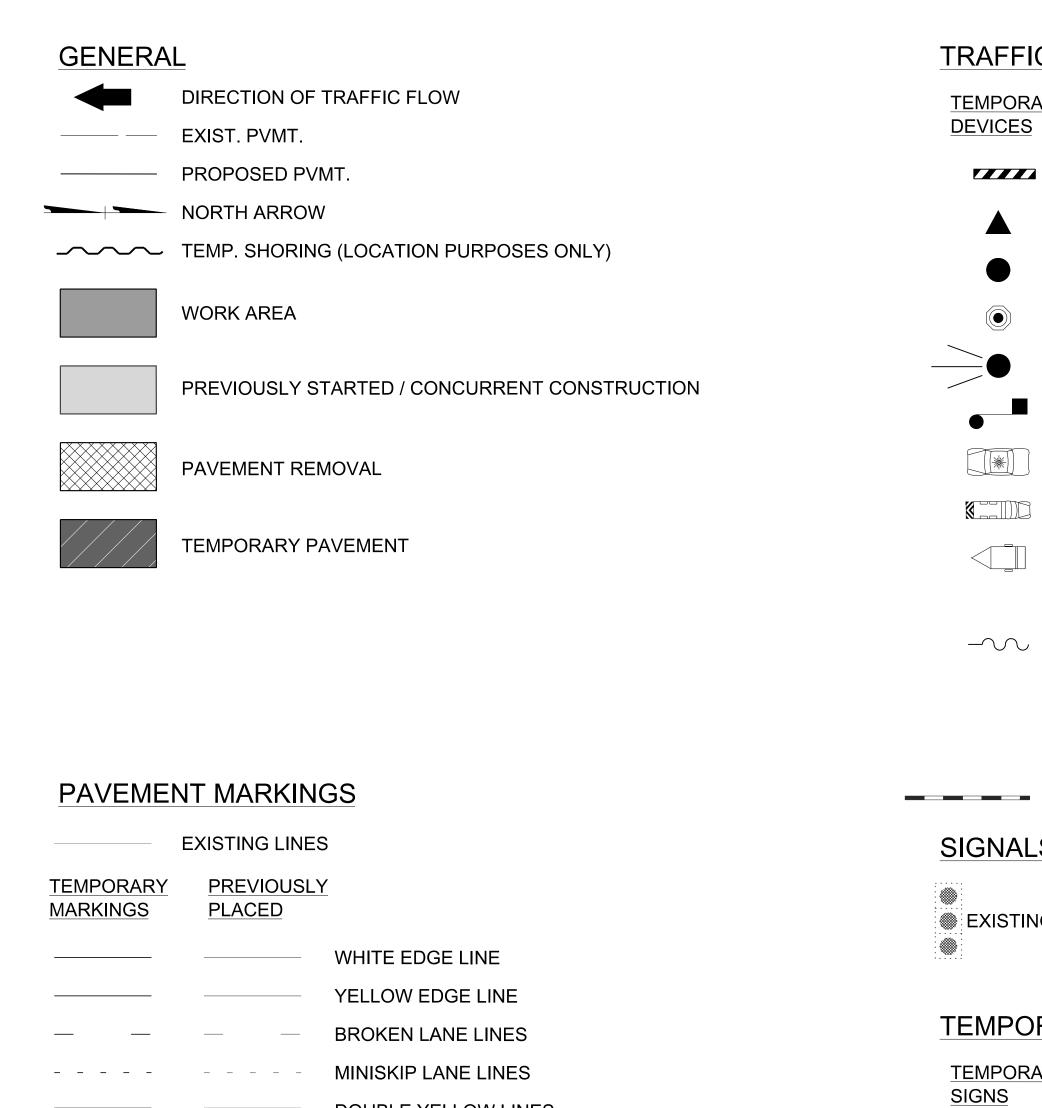
STD. NO.

<u>TITLE</u>

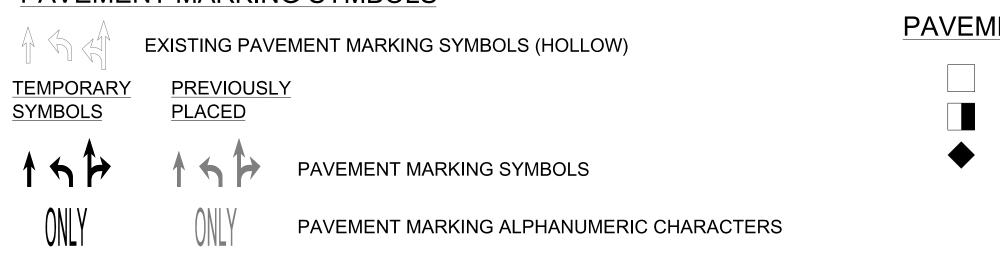
1101.01 1101.02 1101.03 1101.11	WORK ZONE ADVANCE WARNING SIGNS TEMPORARY LANE CLOSURES TEMPORARY ROAD CLOSURES TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1165.01	TRUCK MOUNTED ATTENUATOR
1180.01	SKINNY - DRUM

\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\I5BPR.IO2.3_TMP_OIA_RDWYSTDSLEGEND.dgn

LEGEND



PAVEMENT MARKING SYMBOLS



DOUBLE YELLOW LINES

GORELINE

STOP BAR



			PROJ. REFERENCE NO.	SHEET NO.
			15BPR.102.3	TMP-1A
		DEVICES		
	PREVIOUS PLACED	<u>SLY</u>		
7		BARRICADE (TYPE III)		
		CONE		
		DRUM		
		SKINNY DRUM		
		FLASHING ARROW BOARD		
		FLAGGER		
]		LAW ENFORCEMENT		
		TRUCK MOUNTED ATTENUATOR (T	MA)	
		CHANGEABLE MESSAGE SIGN		
			ст	
)	-00	TEMPORARY CRASH CUSHION RES)E I	
		ANCHORED CONCRETE BARRIER (F	RESET)	
LS		TEMPORARY		
		T		
	PROPOS	SED E M P		
DRARY	SIGNIN	IG		
	PREVIOUS PLACED	<u>SLY</u>		
_	\triangleleft	PORTABLE SIGN		
		STATIONARY SIGN		
IENT M	IARKER	<u>RS</u>		
CRYS	TAL/CRYS ⁻	TAL		
CRYS	TAL/RED			

YELLOW/YELLOW

TIME RESTRICTIONS A) DO NOT CLOSE OR NARROW TRAVEL LANES ON ANY ROADWAY AS FOLLOWS: ROAD NAME -L- (US 76, 421, BUS 17) DAY AND TIME RESTRICTIONS 5:00 A.M.- 7:00 P.M. MONDAY THROUGH SUNDAY B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS: ROAD NAME -L- (US 76, 421, BUS 17) 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 5:00 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 MEMORIAL DAY, BETWEEN THE HOURS OF 5:00 A.M. FRIDAY TO 7:00 P.M. TUESDAY. 4. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 5:00 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 5:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY. 5. FOR LABOR DAY, BETWEEN THE HOURS OF 5:00 A.M. FRIDAY AND 7:00 P.M. TUESDAY. 6. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 5:00 A.M. TUESDAY TO 7:00 P.M. MONDAY. 7. FOR CHRISTMAS, BETWEEN THE HOURS OF 5:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS. 8. FOR THE AZALEA FESTIVAL EVENT, BETWEEN THE HOURS OF 5:00 A.M. THE TUESDAY BEFORE THE WEEKEND OF THE AZALEA FESTIVAL TO 7:00 P.M. MONDAY AFTER THE WEEKEND OF THE AZALEA FESTIVAL. 9. FOR THE RIVERFEST EVENT, BETWEEN THE HOURS OF 5:00 A.M. THE FRIDAY BEFORE THE WEEKEND OF THE RIVERFEST TO 7:00 P.M. THE MONDAY AFTER THE WEEKEND OF THE RIVERFEST.

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 OFTHE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

C) CONTRACTOR SHALL NOT CLOSE A LANE OF TRAFFIC OR ALLOW ANY MATERIAL DELIVERIES ON THE OPEN SIDE OF TRAFFIC ON THE CAPE FEAR MEMORIAL BRIDGE WHEN A DIRECTIONAL CLOSURE IS IN PLACE.

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.

TRAFFIC PATTERN ALTERATIONS

H) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.



SIGNING

I) INSTALL FROM THE THE BEGI

J) PROVIDE THE ROAD AND PROVIDE

TRAFFIC

K) COVER OR WHEN ROA AND

> COVER OR DETOUR I

L) ENSURE A TRAFFIC

MISCELLANEOU

M) LAW ENFOR AREA AND

N) ALL DIME PHASING THE ENGI

O) THE CONTR AT THE DISCRETION OF THE ENGINEER TO ADEQUATELY INFORM MOTORISTS OF CHANGING WORK ZONE CONDITIONS.

P) PLACE ALL CHANGEABLE MESSAGE SIGNS AS NEEDED IN THE LOCATIONS AND WITH THE WORD MESSAGES AS SHOWN IN THE TCP OR AS DIRECTED BY THE ENGINEER TO PROVIDE ADVANCE WARNING TO THE PUBLIC DURING CONSTRUCTION.

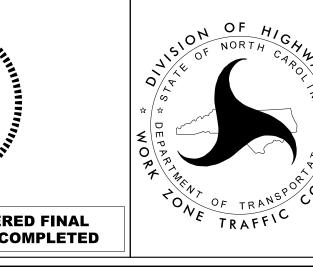
Q) ENSURE THE OVERSIZE/OVERWEIGHT PERMIT UNIT (888) 221-8166 OR(919) 814-3700 HAS BEEN ADVISED OF THE ONGOING TRAFFIC OPERATIONS THROUGH THE DIVISION OFFICE INCLUDING THE FOLLOWING AREAS OF CONCERN:

A. LANE CLOSURE RESTRICTIONS.

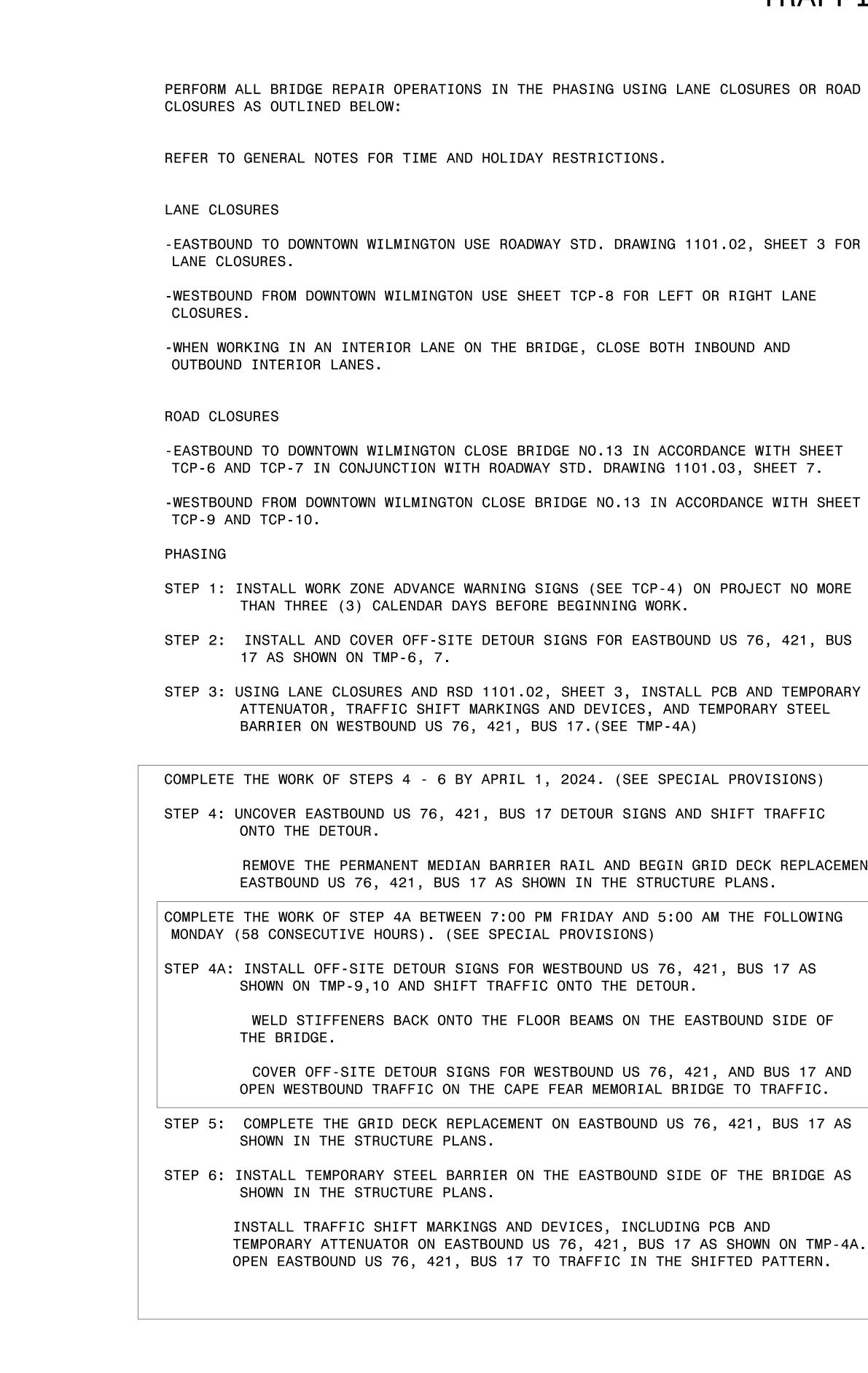
C. AREAS OF CONSTRICTED HORIZONTAL CLEARANCES (NARROW LANES OR LANES BORDERED ALONG THE OUTSIDE WITH EITHER PCB OR GUARDRAIL).

	PROJ. REFERENCE NO.	SHEET NO.
	15BPR.102.3	TMP-2
GNING		
INSTALL WORK ZONE ADVANCE WARNING SIGNS WHEN WORK FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THE THE BEGINNING OF CONSTRUCTION.		
PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL D		то
PROVIDE SIGNING REQUIRED FOR THE OFFSITE DETOUR F TRAFFIC CONTROL PLANS.	OUTES AS SHOWN I	N THE
COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO WHEN ROAD CLOSURE IS NOT IN OPERATION.	CLOSE THE ROAD	
COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFFSIT DETOUR IS NOT IN OPERATION, UNLESS OTHERWISE ALLC		
ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO TRAFFIC PATTERN.	ALTERING ANY	
SCELLANEOUS		
LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THAREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGI		
ALL DIMENSIONS AND STATIONS IN THE TRAFFIC CONTROL PHASING ARE APPROXIMATE; FIELD ADJUST AS NECESSAR THE ENGINEER.		BY
THE CONTRACTOR IS TO FURNISH, INSTALL, MAINTAIN, IN	AGES OF CONSTRUC	

B. DETOURS OFFSITE AND ONSITE.



GENERAL NOTES



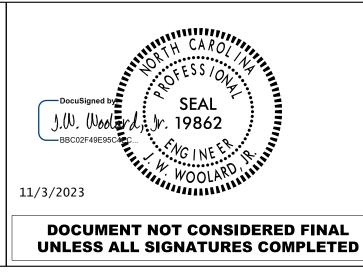
мΨ

TRAFFIC CONTROL PHASING

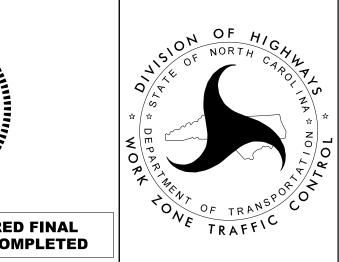
IG USING LANE CLOSURES OR ROAD	COMPLETE THE WORK OF STEPS 8 - 10 BETWEEN 7 2024. (SEE SPECIAL PROVISIONS)
CTIONS.	STEP 7: UNCOVER DETOUR SIGNS INSTALLED IN S BUS 17 AND PLACE TRAFFIC ON THE OFF-SITE D
DRAWING 1101.02, SHEET 3 FOR 8 FOR LEFT OR RIGHT LANE	STEP 8: REMOVE TEMPORARAY STEEL BARRIER FRO BEGIN GRID DECK REPLACEMENT ON WEST STRUCTURE PLANS. COMPLETE THE WORK OF STEP 8A BETWEEN 7:00 P MONDAY (58 CONSECUTIVE HOURS). (SEE SPECIA STEP 8A: INSTALL OFF-SITE DETOUR SIGNS FOR
LOSE BOTH INBOUND AND	SHOWN ON TMP-6,7 AND SHIFT TRAFFIC WELD STIFFENERS BACK ONTO THE FLO THE BRIDGE. COVER OFF-SITE DETOUR SIGNS FOR E
13 IN ACCORDANCE WITH SHEET DRAWING 1101.03, SHEET 7. IO.13 IN ACCORDANCE WITH SHEET	OPEN EASTBOUND TRAFFIC ON THE CAPE STEP 9: COMPLETE THE GRID DECK REPLACEMENT SHOWN IN THE STRUCTURE PLANS. INSTA PLACE FINAL MARKINGS ON WESTBOUND PAVEMENT MARKING PLANS.
SEE TCP-4) ON PROJECT NO MORE NING WORK.	STEP 10: REMOVE ALL TRAFFIC CONTROL DEVICES BUS 17 TO TRAFFIC IN THE FINAL PAT
FOR EASTBOUND US 76, 421, BUS 73, INSTALL PCB AND TEMPORARY VICES, AND TEMPORARY STEEL SEE TMP-4A)	STEP 11: USING LANE CLOSURES PER ROADWAY STE TEMPORARY STEEL BARRIER AND ALL TRA ON EASTBOUND US 76, 421, BUS 17 AS AND OPEN EASTBOUND TO FINAL PATTERN STEP 12: USING LANE CLOSURES, RSD 1101.01, S REMAINING STRUCTURE REPAIRS AS SHOW
(SEE SPECIAL PROVISIONS)	STEP 13: REMOVE ALL TRAFFIC CONTROL DEVICES
IR SIGNS AND SHIFT TRAFFIC	
AND BEGIN GRID DECK REPLACEMENT ON THE STRUCTURE PLANS.	
Y AND 5:00 AM THE FOLLOWING SIONS)	
IND US 76, 421, BUS 17 AS THE DETOUR.	
IS ON THE EASTBOUND SIDE OF	
ID US 76, 421, AND BUS 17 AND EMORIAL BRIDGE TO TRAFFIC.	
TBOUND US 76, 421, BUS 17 AS	
TBOUND SIDE OF THE BRIDGE AS	

Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. 919.851.6866 Fax 919.851.7024 www.stantec.com License No. F-0672

Stantec

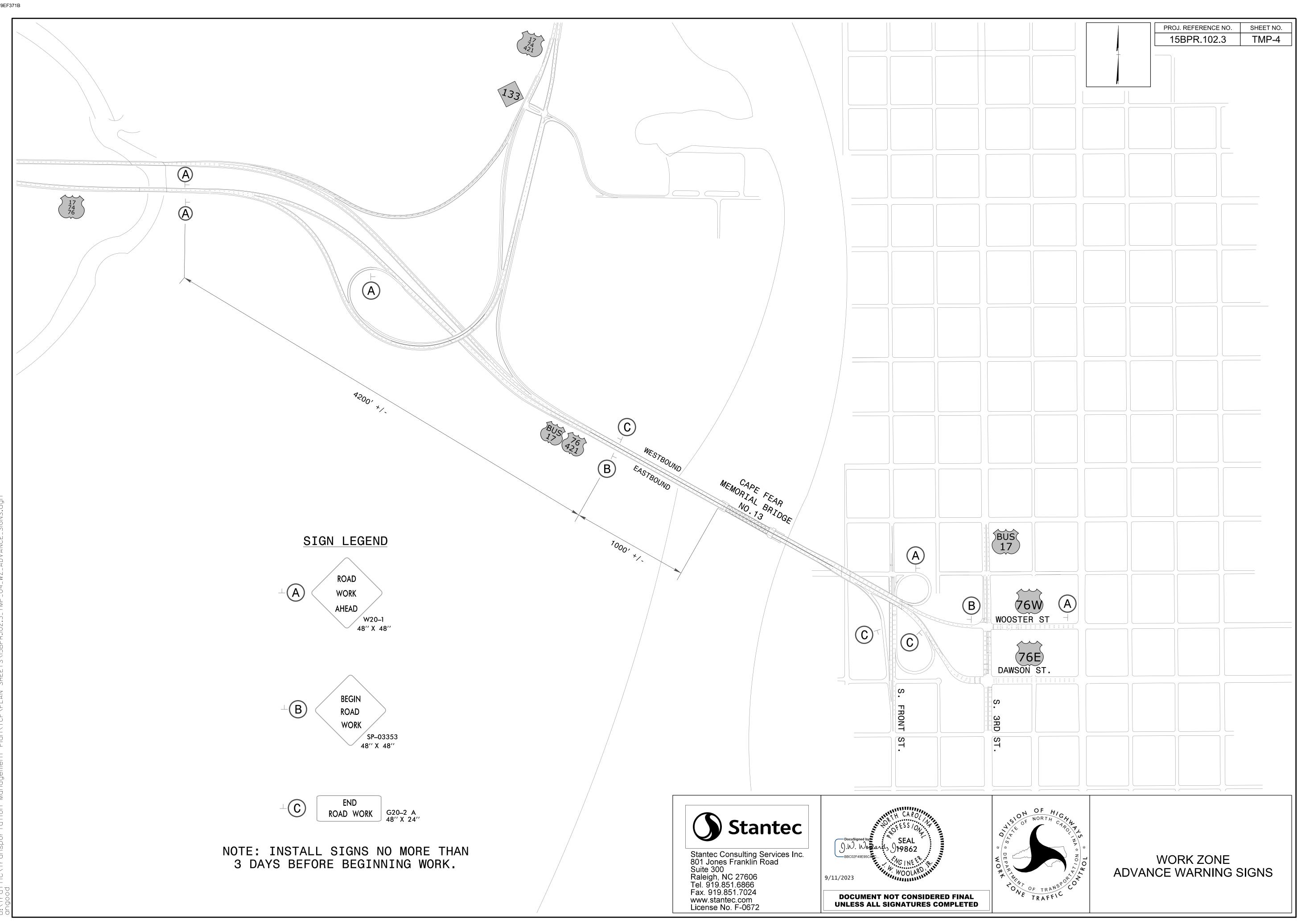


	PROJ. REFERENCE NO. 15BPR.102.3	SHEET NO.
		1
7:00PM APRIL 8, 2024 AND MAY 23,		
STEP 4A, CLOSE WESTBOUND US 76, 421, DETOUR. (SEE TMP-9,10)		
OM WESTBOUND SIDE OF THE BRIDGE. STBOUND US 76, 421, BUS 17 AS SHOWN IN THE		
PM FRIDAY AND 5:00 AM THE FOLLOWING AL PROVISIONS)		
EASTBOUND US 76, 421, BUS 17 AS C ONTO THE DETOUR.		
OOR BEAMS ON THE WESTBOUND SIDE OF		
EASTBOUND US 76, 421, AND BUS 17 AND E FEAR MEMORIAL BRIDGE TO TRAFFIC.		
ON WESTBOUND US 76, 421, BUS 17 AS FALL THE PERMANENT MEDAIN BARRIER RAIL.		
US 76, 421, BUS 17 AS SHOWN IN THE FINAL		
S AND REOPEN WESTBOUND US 76, 421, FTERN.		
TD. DRAWING 1101.02, SHEET 3, REMOVE RAFFIC CONTROL DEVICES, PLACE FINAL MARKING S SHOWN IN THE FINAL PAVEMENT MARKING PLANS N.		
SHEET 3, AND TMP-8, COMPLETE WN IN THE STRUCTURE PLANS		
S AND OPEN TRAFFIC TO FINAL PATTERN.		

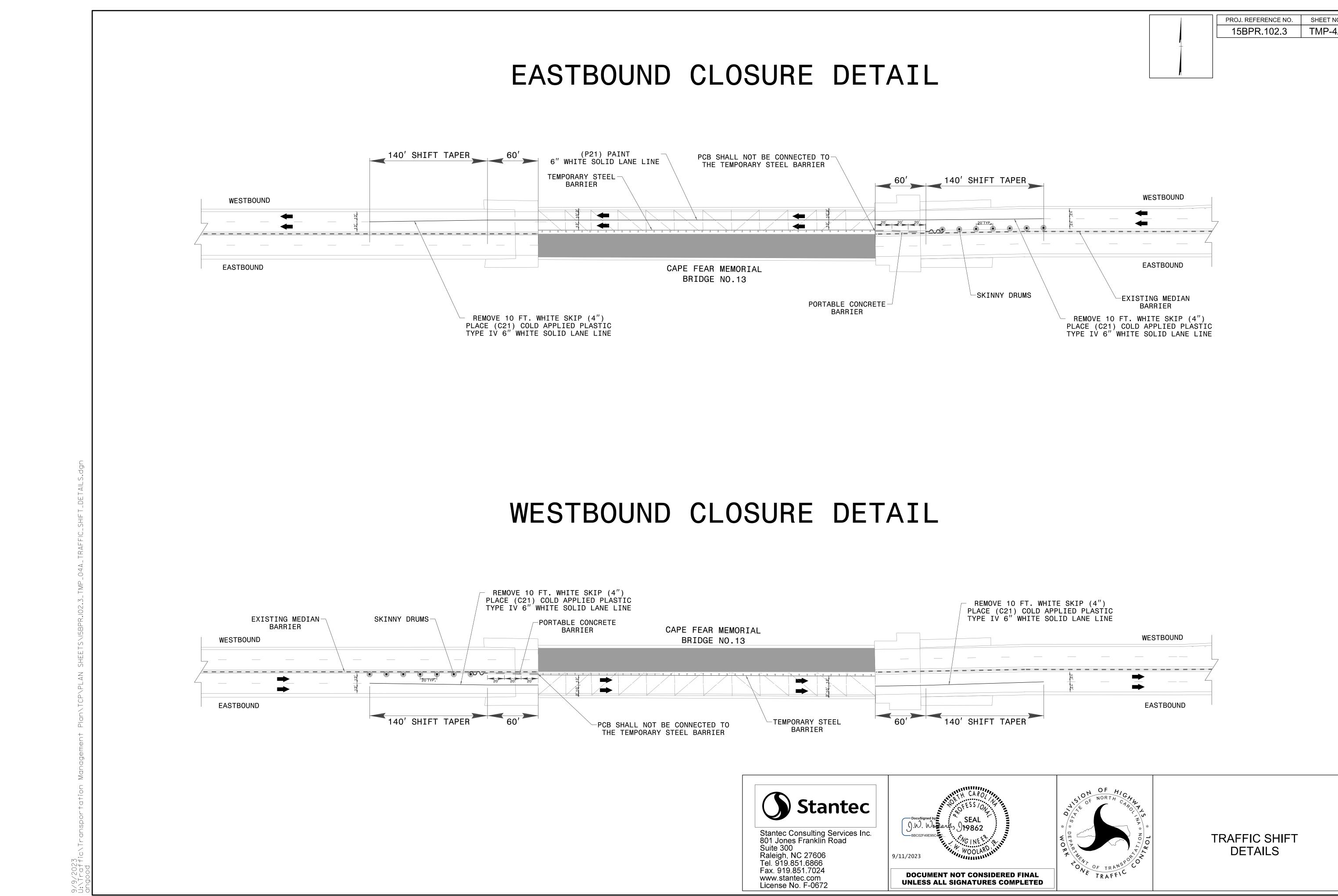




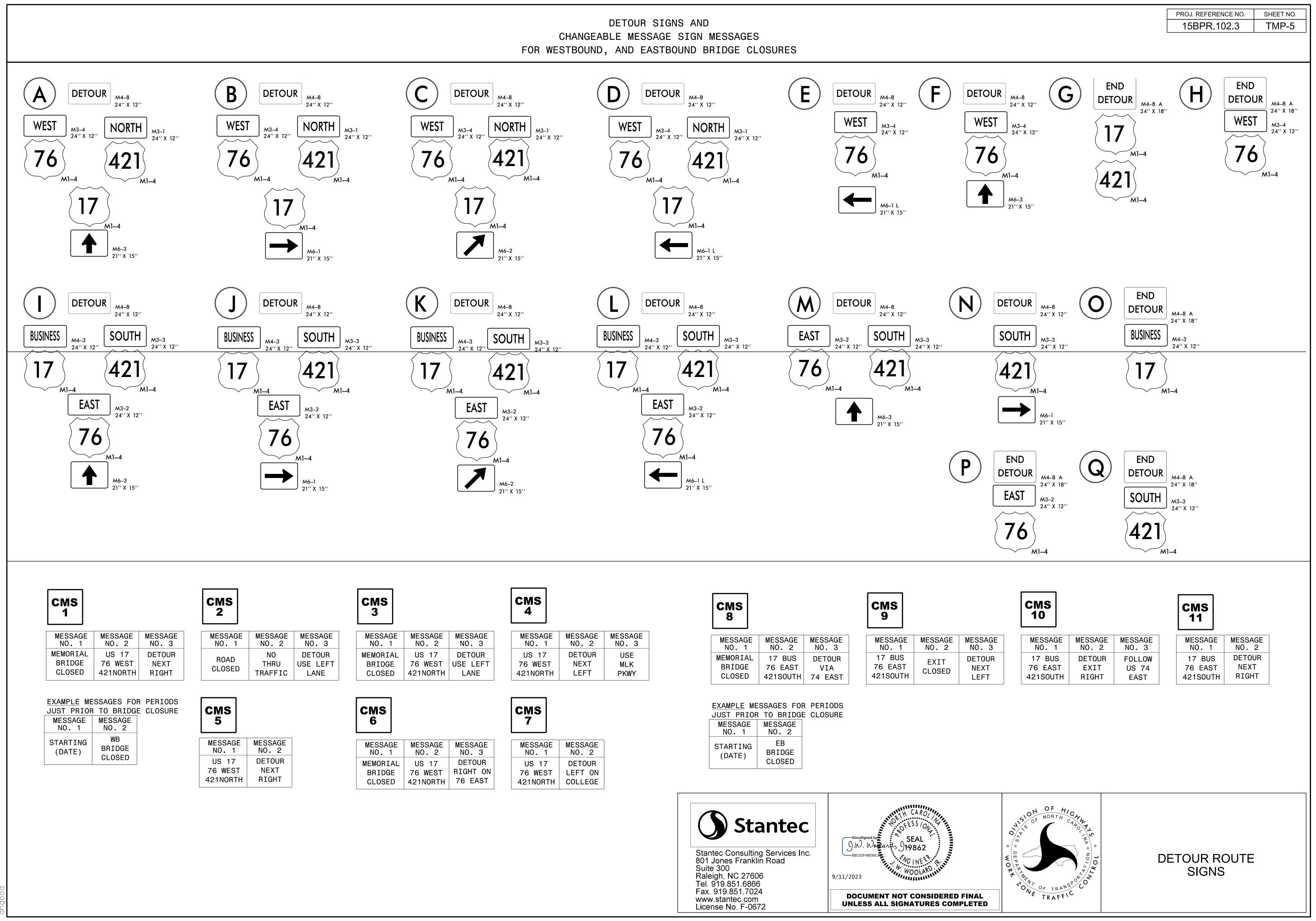
DocuSign Envelope ID: 96462E40-6A55-4B3C-A5EB-5B7C79EF371B



U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\I5BPR.102.3_TMP_04_WZ_ADVANCE_SIGNS.d



			PROJ. REF		SHEET NO.
			<u>15</u> BPI	R.102.3	TMP-4A
PER					
		WESTBOUND			
<u>^1</u>					
		<i></i>			
		EASTBOUND	_		
RUMS		VIOTINO NEDIAN			
	~E	XISTING MEDIAN BARRIER			
	REMOVE 10 FI	T. WHITE SKIP (4")	2		
	/PE IV 6" WH	T. WHITE SKIP (4") OLD APPLIED PLASTIO ITE SOLID LANE LIN	Ē		
IT		THE SOLID LANE LIN	-		
ΓĽ ΤΥ	/PE IV 6" WH	ITE SOLID LAN	E LINI	E LINE	ELINE
FT. WHITE SK	(IP (4″)				
FT. WHITE SK COLD APPLIEI WHITE SOLID I	(IP (4") D PLASTIC LANE LINE				
FT. WHITE SK COLD APPLIEI WHITE SOLID I	TP (4") D PLASTIC LANE LINE				
FT. WHITE SK COLD APPLIEI WHITE SOLID I	(IP (4") D PLASTIC LANE LINE	WESTBOUND			
FT. WHITE SK COLD APPLIED WHITE SOLID D	(IP (4") D PLASTIC _ANE LINE	WESTBOUND			
FT. WHITE SK COLD APPLIE WHITE SOLID I	TP (4") D PLASTIC ANE LINE	WESTBOUND			
FT. WHITE SK COLD APPLIEI WHITE SOLID I	(IP (4") D PLASTIC ANE LINE				
FT. WHITE SK COLD APPLIEI WHITE SOLID I WHITE SOLID I	TP (4") D PLASTIC ANE LINE				
FT. WHITE SK COLD APPLIED WHITE SOLID L	CIP (4") D PLASTIC ANE LINE	WESTBOUND			
PER	(IP (4") D PLASTIC ANE LINE				



MESSAGE NO. 2	MESSAGE NO. 3
US 17 76 WEST	DETOUR USE LEFT
421NORTH	LANE

	١ ٢
E MESSAGE MESSAG	ג בג
NO. 2 NO. 3	3
L US 17 DETOU	R
76 WEST RIGHT	ON
421NORTH 76 EAS	ST

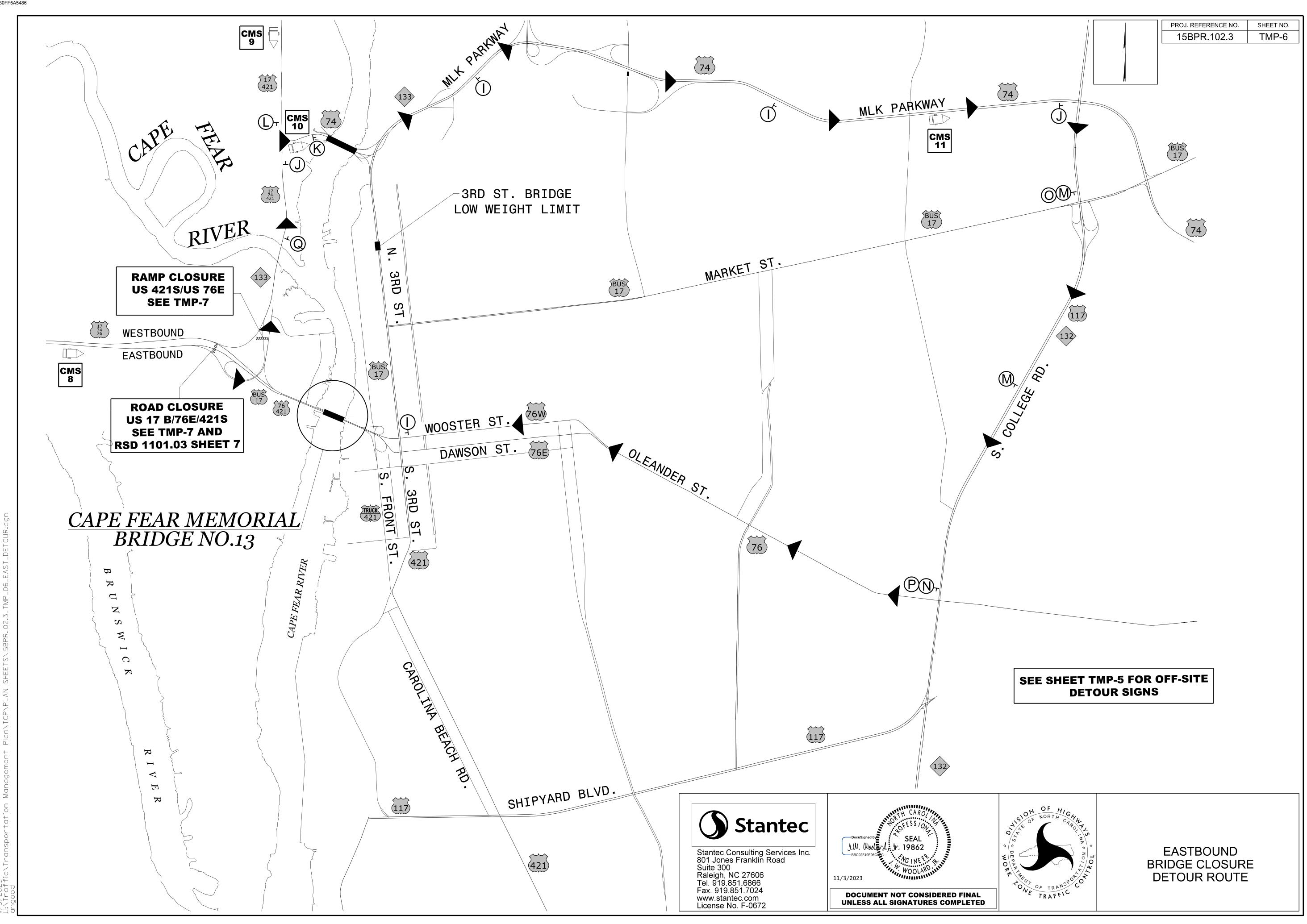
CMS 4

MESSAGE	MESSAGE	MESSAGE
NO. 1	NO. 2	NO. 3
US 17	DETOUR	USE
76 WEST	NEXT	MLK
421NORTH	LEFT	PKWY

MESSAGE NO. 1	MESSAGE NO. 2
US 17	DETOUR
76 WEST	LEFT ON
421NORTH	COLLEGE

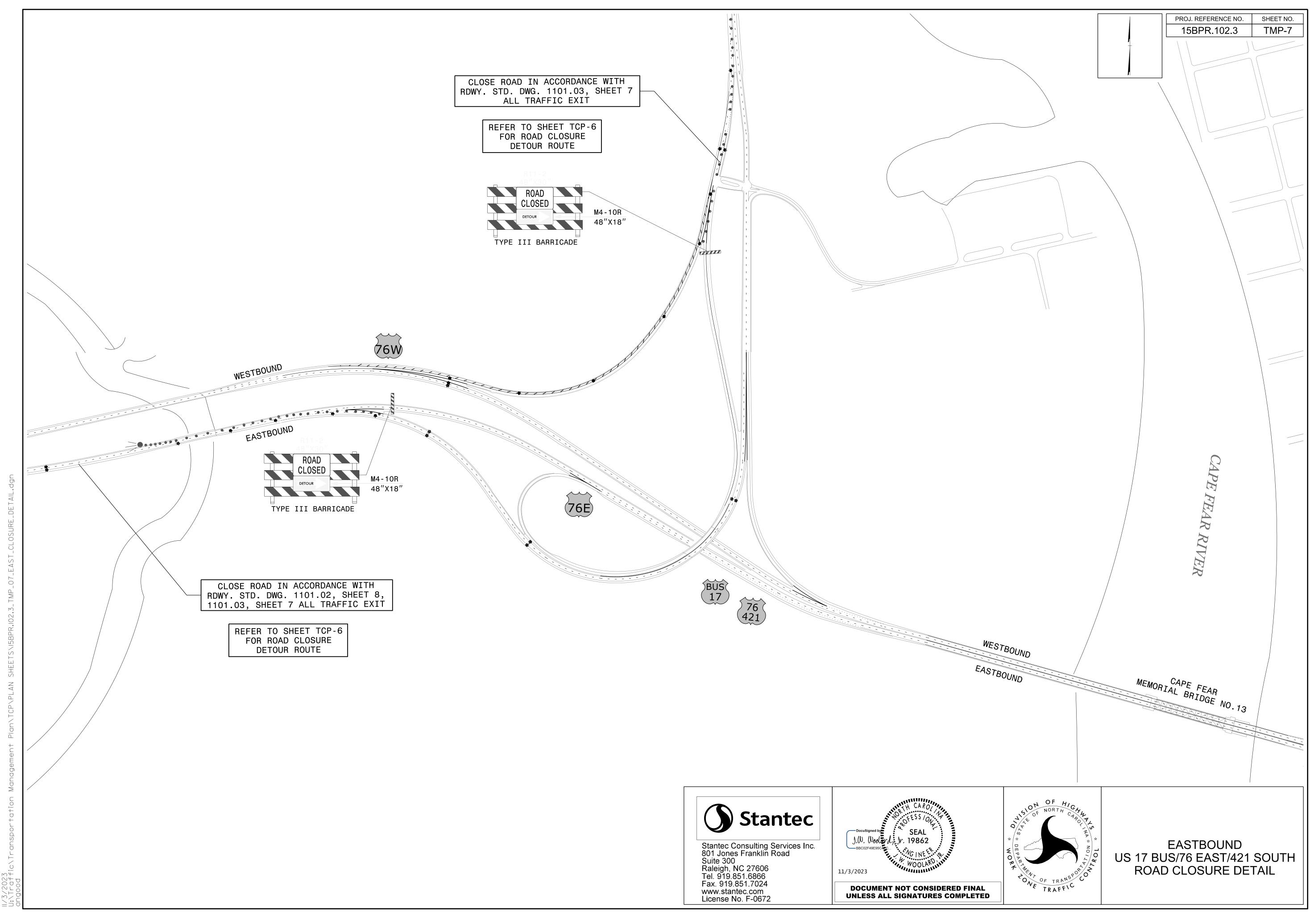
CMS 8		
MESSAGE	MESSAGE	MESSAGE
NO. 1	NO. 2	NO. 3
MEMORIAL	17 BUS	DETOUR
BRIDGE	76 EAST	VIA
CLOSED	421SOUTH	74 EAST

	SSAGES FOF TO BRIDGE	
MESSAGE NO. 1	MESSAGE NO. 2	
STARTING (DATE)	EB BRIDGE CLOSED	

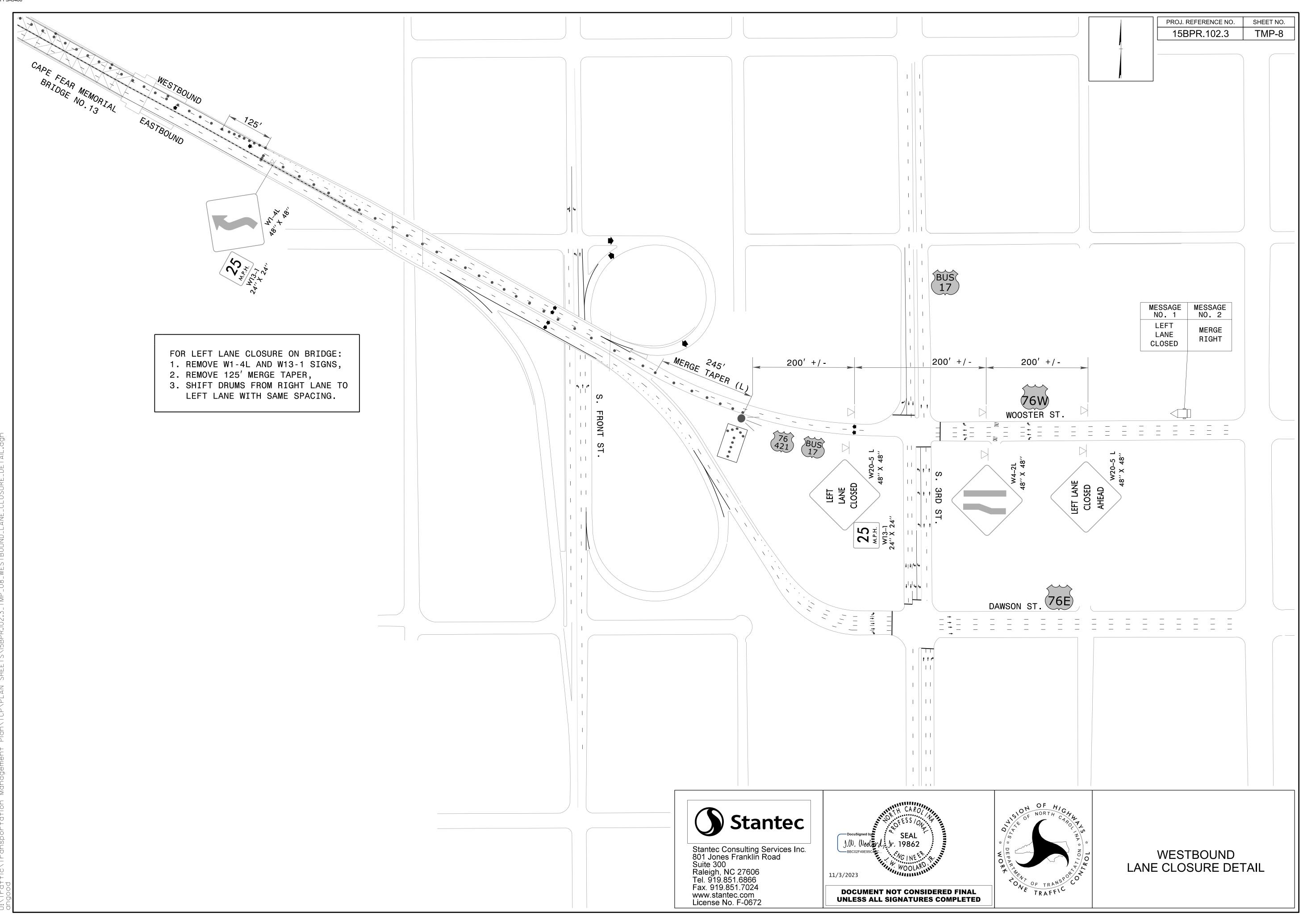




DocuSign Envelope ID: C23607D6-2FCE-472E-B45C-DFB0FF5A5486







2023 raffic\Transportation Management Plan\TCP\PLAN SHEETS\I5BPR.I02.3_TMP_08_WESTBOUND_LANE_CLOSURE_DETAIL.dgn

