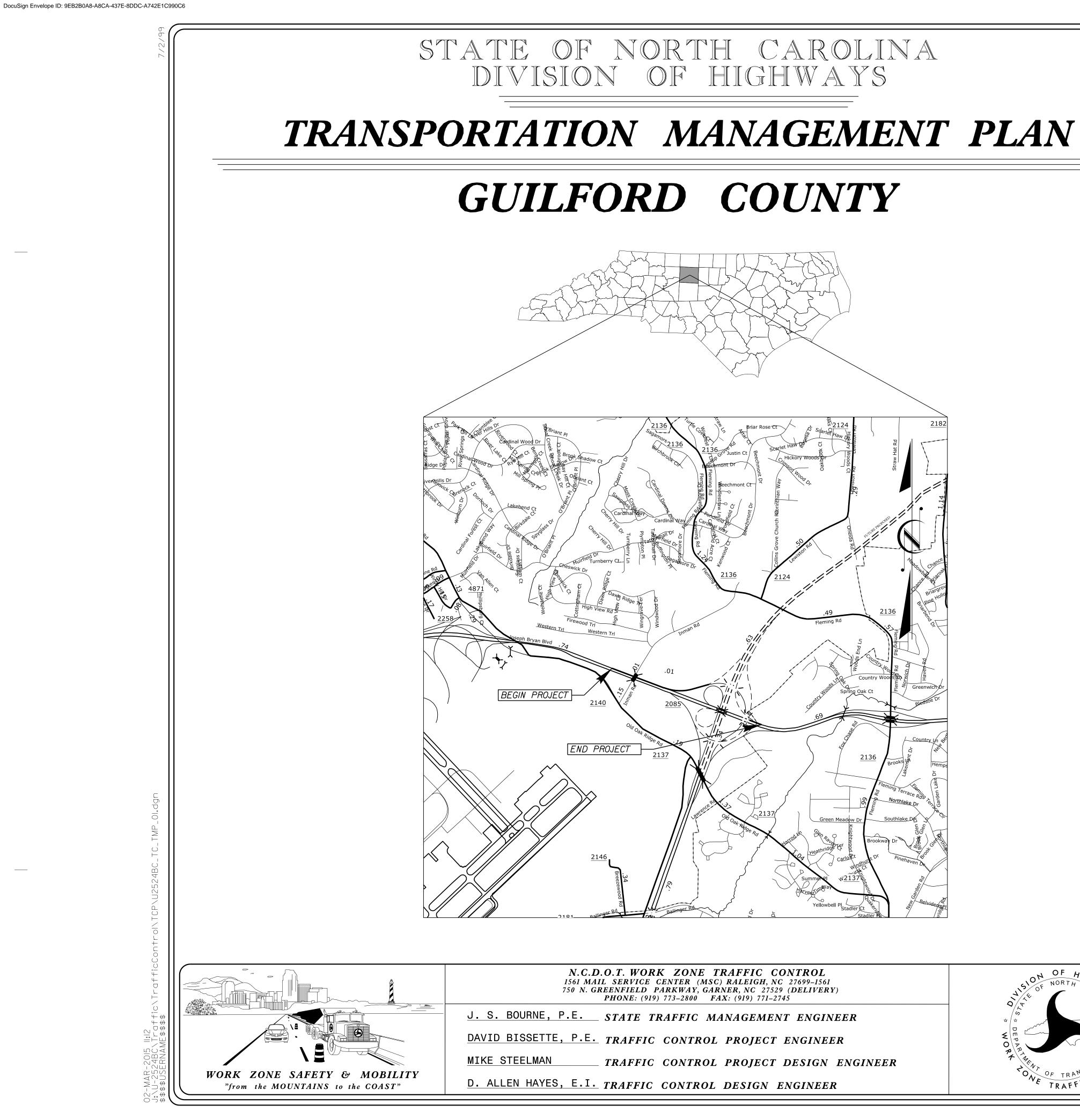
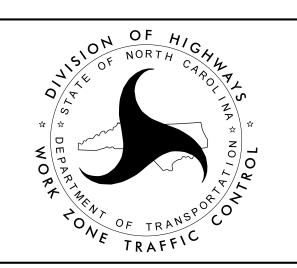
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SHEET NO

- TMP-1
- TMP-1A
- TMP-1B -
- TMP-2
- TMP-2A
- TMP-2B -
- TMP-3
- TMP-4 -

DAVID L. WILVER, P.E. TRAFFIC CONTROL PROJECT ENGINEER J. MATTHEW PICKENS, P.E. TRAFFIC CONTROL DESIGN ENGINEER



	SHEET NO.
DEX OF SHEETS	TMP-1
TITLE	
TITLE SHEET, VICINITY MAP AND INDEX OF SHEETS	
LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND	
GENERAL NOTES	
PCB AT TEMPORARY SHORING LOCATIONS	
TEMPORARY SHORING NOTES	
DETOUR AND SPECIAL SIGN DESIGNS	
PHASING	$\overline{\mathbf{N}}$
PHASE 1 DETAIL SHEETS	25
	TITLE SHEET, VICINITY MAP AND INDEX OF SHEETS LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND GENERAL NOTES PCB AT TEMPORARY SHORING LOCATIONS TEMPORARY SHORING NOTES DETOUR AND SPECIAL SIGN DESIGNS PHASING

	APPROVED: Jason M. fickens DATE: 2000E4833872120P1.5	
NS PREPARED BY :		
RSONS ENTERVIEW DR., SUITE 217 NORTH CAROLINA 27606 LICENSE NO: F-0246	SEAL	
CAROLINA DEPT. OF TRANSPORTATION	SEAL 37950	

•• H **PRO**

ROADWAY STANDARD DRAWINGS

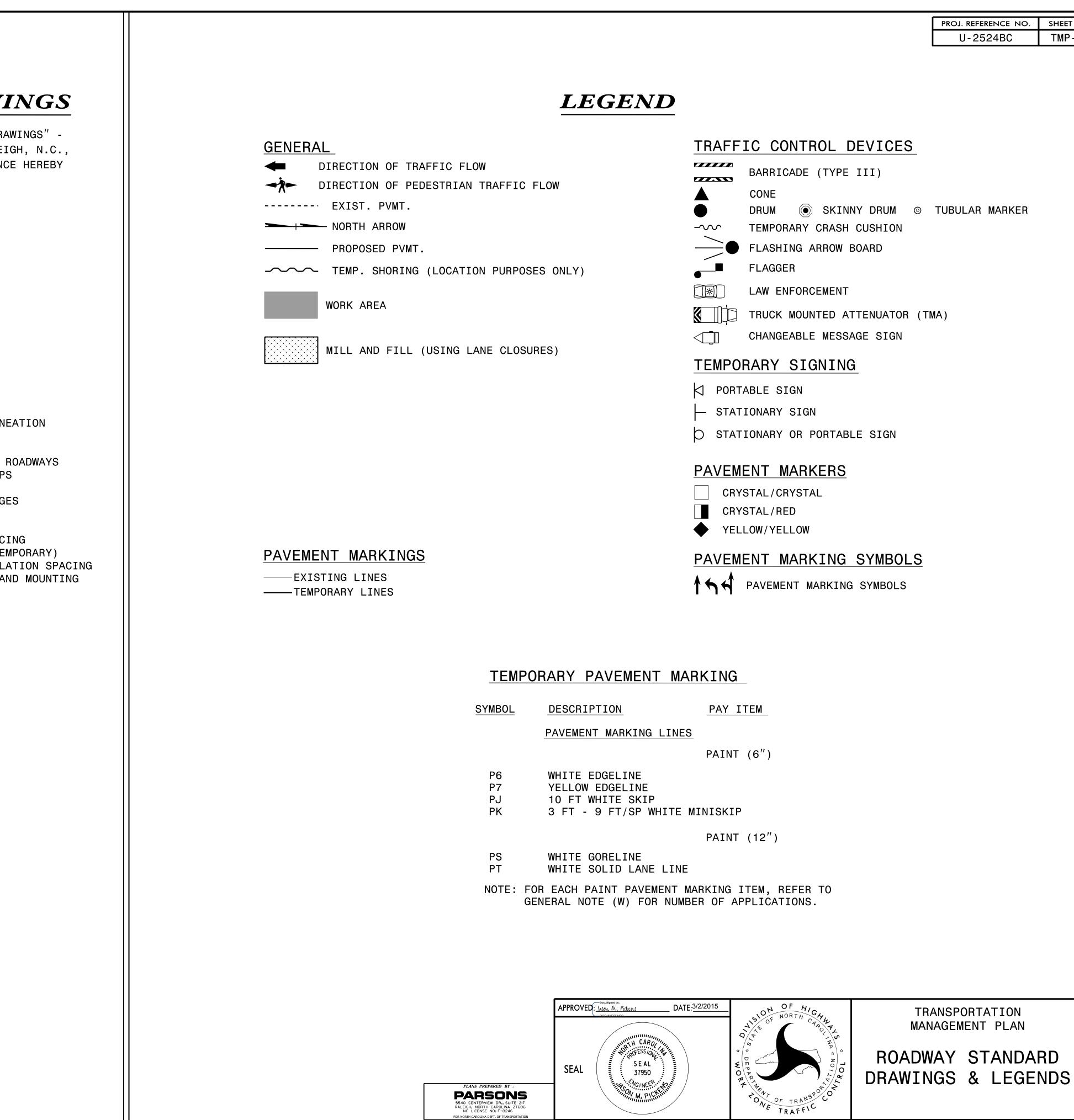
THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" -PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.

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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
1101.11	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
1160.01	TEMPORARY CRASH CUSHION
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINE
1170.01	PORTABLE CONCRETE BARRIER
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE F
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMPS
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGE
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACI
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEM
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLA
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AN
1262.01	GUARDRAIL END DELINEATION



PROJ. REFERENCE NO.	SHEET NO.
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	BARRICADE (TYPE III)
	CONE
$\overline{\bullet}$	DRUM 🔘 SKINNY DRUM 🎯 TUBULAR MARKER
-~~	TEMPORARY CRASH CUSHION
	FLASHING ARROW BOARD
	FLAGGER
	LAW ENFORCEMENT
	TRUCK MOUNTED ATTENUATOR (TMA)
	CHANGEABLE MESSAGE SIGN
TEMPO	RARY SIGNING
DORT	ABLE SIGN
- STAT	IONARY SIGN
р ѕтат	IONARY OR PORTABLE SIGN
PAVEM	ENT MARKERS

DRAWING TO MEET OVERLAP	S MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL GS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE FFIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED PPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, MENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ER.
THE CON	LOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF ISTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN ECTED BY THE ENGINEER.
TIME RE	ESTRICTIONS
,	NOT CLOSE LANES AS FOLLOWS:
	D NAMEDAY AND TIME RESTRICTIONSBLVD. (-L-)MONDAY-SUNDAY6:00AM to 8:00PM
	NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL NTS AS FOLLOWS:
	D <u>NAME</u> RYAN BLVD. (-L-)
HOLID	ΟΑΥ
1.	FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFI VOLUMES, AS DIRECTED BY THE ENGINEER.
2.	FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 8:00 P.M. JANUARY 2ND.
3.	FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 8:00 P.M. MONDAY.
4.	FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 8:00 P.M. TUESDAY.
5.	FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 8:00 P.M. THE DAY AFTER INDEPENDENCE DAY.
6.	FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 8:00 P.M. TUESDAY.
7.	FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 8:00 P.M. MONDAY.
8.	FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
S	PECIAL EVENTS
1.	FOR FURNITURE MARKET, BETWEEN THE HOURS OF 6:00 A.M. SATURDAY OCTOBER 17th TO 8:00 P.M. THURSDAY OCTOBER 22nd, 2015. BETWEEN THE HOURS OF 6:00 A.M. SATURDAY APRIL 16th TO 8:00 P.M. THURSDAY APRIL 21st, 2016. ALSO, BETWEEN THE HOURS OF 6:00 A.M. SATURDAY OCTOBER 15th TO 8:00 P.M. THURSDAY OCTOBER 20th, 2016.
2.	FOR WYNDHAM GOLF CHAMPIONSHIP, BETWEEN THE HOURS OF 6:00 A.M. MONDAY AUGUST 17th TO 8:00 P.M. SUNDAY AUGUST 23rd, 2015. ALSO, BETWEEN THE HOURS OF 6:00 A.M. MONDAY AUGUST 15th TO 8:00 P.M. SUNDAY AUGUST 21st, 2016.

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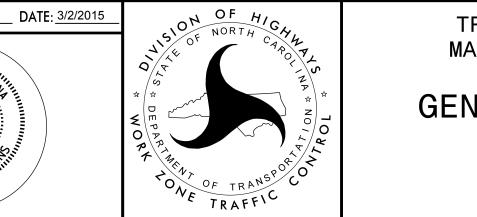
GENERAL NOTES

	C)	DO NOT STOP TRAFFIC AS FOLLOWS: DAY AND TIME DURATION AND	TRAF	FIC PATTER	N ALT
		ROAD NAMERESTRICTIONSOPERATIONBRYAN BLVD. (-L-)MONDAY-SUNDAY30 MINUTES FOR GIRDER5:00AM-12:00AM(MIDNIGHT)INSTALL & BRIDGE DEMO	L)	NOTIFY TH TRAFFIC F	
		OVERHEAD SIGN REMOVAL/INSTALL (-RPCA-) MONDAY-SUNDAY 5 HOURS FOR PCB	SIGN	IING	
	D)	5:00AM-12:00AM(MIDNIGHT) PLACEMENT/REMOVAL DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY	M)	INSTALL A 40 FT FRC (3) DAYS	M THE
		BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.	N)	PROVIDE S TO THE RC	
	LANE	AND SHOULDER CLOSURE REQUIREMENTS		PROVIDE S	GNIN
	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.	0)	IN THE TR	REMOV
	F)	WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY		WHEN ROAD COVER OR DETOUR IS	REMOV
	G)	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	P)	ENSURE AL	L NEC
	G)	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.	Q)	INSTALL E (W8-1) 35 ENGINEER.	50 ft
TRAFFIC		WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.			
	H)	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.			
ΑΥ ΤΟ	PAVE	NENT EDGE DROP OFF REQUIREMENTS			
IG	J)	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.			
DAY WEEN JRSDAY		BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.			
JRDAY		BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.			
Μ.	K)	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.	3		
				ocusigned by: son, M. fickuns	DATE: <u>3/2/</u>

	APPROVED:	Jason M. fickens
PLANS PREPARED BY : PARTSONS 5540 CENTERVIEW DR., SUITE 217 RALEIGH, NORTH CAROLINA 27606 NC LICENSE NO: F-0246 FOR NORTH CAROLINA DEPT. OF TRANSPORTATION	SEAL	SE AL 37950 SE AL

	PROJ. REFERENCE NO.	SHEET NO.
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RN ALTERATIONS		
HE ENGINEER TWENTY ONE (21) CALENDAR DAYS PATTERN ALTERATION.	S PRIOR TO ANY	
ADVANCE WORK ZONE WARNING SIGNS WHEN WOR OM THE EDGE OF TRAVEL LANE AND NO MORE T PRIOR TO THE BEGINNING OF CONSTRUCTION.		
SIGNING AND DEVICES REQUIRED TO CLOSE TH DADWAY STANDARD DRAWINGS AND TRAFFIC CON		
SIGNING REQUIRED FOR THE OFF-SITE DETOUR RAFFIC CONTROL PLANS.	ROUTE AS SHOWN	IN
REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSURE IS NOT IN OPERATION.	O CLOSE THE ROAD	
REMOVE ALL SIGNS REQUIRED FOR THE OFF-SESSION OPERATION.	ITE DETOUR WHEN	THE
L NECESSARY SIGNING IS IN PLACE PRIOR TO PATTERN.	O ALTERING ANY	

BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS 350 ft IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE



TRANSPORTATION MANAGEMENT PLAN

GENERAL NOTES

GENERAL NOTES (continued)

TRAFFIC BARRIER

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R) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRAFFIC CONTROL PLANS A Z) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT AA) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE LOCATION UNLESS OTHERWISE STATED IN THE TRAFFIC CONTROL PLANS TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) 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 TRAFFIC CONTROL 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.

S) 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 IMPACT 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:

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

- 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) 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	TEMPORARY

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

MISCELLANEOUS

AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 250 AND 500 RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

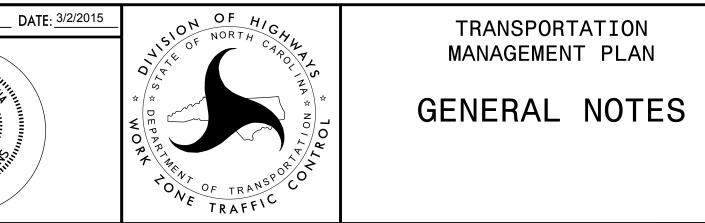
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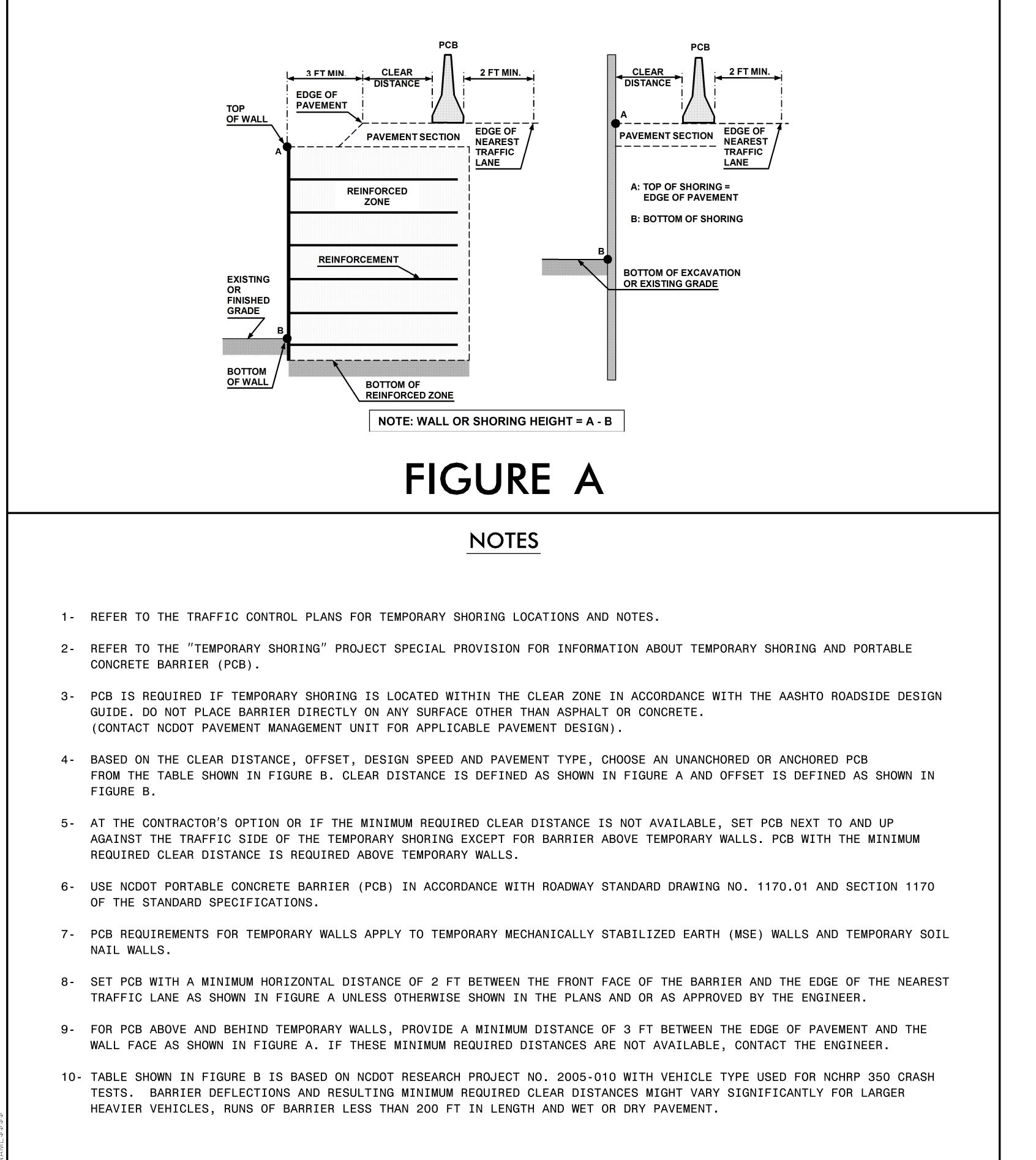
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PROJ. I	REFERENCE NO.	SHEET NO.
U	-2524BC	TMP-1C

LOCAL NOTES

CONTRACTOR TO COORDINATE WITH CONTRACTORS ON PROJECT I-5110, U-2524C, AND ANY OTHER PROJECT IN THE AREA TO COORDINATE TRAFFIC CONTROL ACTIVITIES.

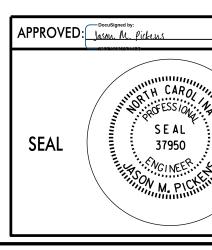




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Barrier Type B2	MINIM Pavement Type Asphalt	UM REQUI Offset * ft <8 8-14 14-20 20-26 26-32 32-38 38-44 44-50	RED CI <30 24 26 27 28 29 30 31 31		STANCI sign Spe 41-50 29 31 34 35 36 38 41 41			71-80 40 42 43 44 45 46 46 48 49	
		50-56 >56 <8	32 32 17	36 36 18	42 42 21	44 45 22	47 47 25	50 51 26	
Unanchored	Concrete	8-14 14-20 20-26 26-32 32-38 38-44 44-50 50-56 >56	19 22 23 24 25 26 26 26	20 22 24 25 26 26 26 26 26 27	23 24 26 27 27 28 28 28 28 28 29	25 26 27 28 30 30 32 32 32 32	26 28 30 32 33 34 35 35 35 36	29 31 34 35 36 37 37 38 38	
Anchored PCB	Asphalt	All Offsets 24 for All Design Speeds							
Anchored PCB	Concrete (including bridge approach slabs)	All 12 for All Design Speeds							







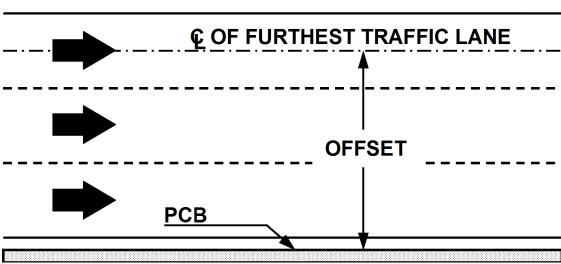
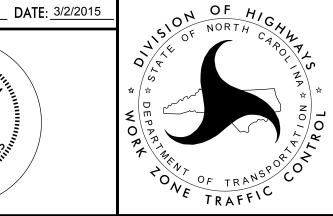


FIGURE B



PORTABLE CONCRETE BARRIER AT **TEMPORARY SHORING LOCATIONS**

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NOTES FOR TEMPORARY SHORING NO. 1

FOR TEMPORARY SHORING, AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

DESIGN TEMPORARY SHORING FROM STATION 27+00 +/- -L- TO 27+80 +/- -L-, 7 FT. LT TO 13 FT. LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS: UNIT WEIGHT OF SOIL ABOVE WATER TABLE, γ = 120 PCF UNIT WEIGHT OF SOIL BELOW WATER TABLE, γ' = 60 PCF FRICTION ANGLE, ϕ = 30 DEGREES COHESION, c = 0 PSF GROUNDWATER ELEVATION = 863 FT. +/-

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING FORM STATION 27+00 +/- -L- TO 27+80 +/- -L-, 7 FT. LT TO 13 FT. LT. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTORS OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 27+00 +/- -L- TO 27+80 +/-, 7 FT. LT TO 13 FT. LT. SEE STANDARD DRAWING NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

NOTES FOR TEMPORARY SHORING NO. 2

FOR TEMPORARY SHORING, AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

DESIGN TEMPORARY SHORING FROM STATION 27+00 +/- -L- TO 27+80 +/- -L-, 7 FT. RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS: UNIT WEIGHT OF SOIL ABOVE WATER TABLE, γ = 120 PCF UNIT WEIGHT OF SOIL BELOW WATER TABLE, γ' = 60 PCF FRICTION ANGLE, ϕ = 30 DEGREES COHESION, c = 0 PSF GROUNDWATER ELEVATION = 863 FT. +/-

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING FORM STATION 27+00 +/- -L- TO 27+80 +/- -L-, 7 FT. RT. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTORS OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 27+00 +/- -L- TO 27+80 +/-, 7 FT. RT. SEE STANDARD DRAWING NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

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NOTES FOR TEMPORARY SHORING NO. 3

FOR TEMPORARY SHORING, AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

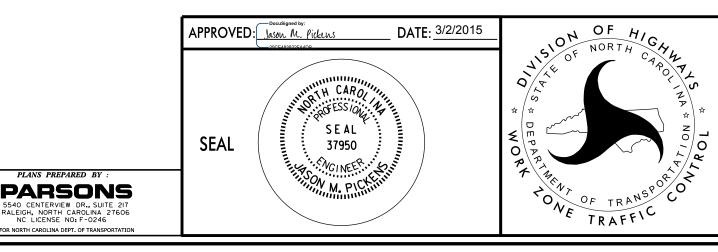
DESIGN TEMPORARY SHORING FROM STATION 27+00 +/- -L- TO 27+90 +/- -L-, 67 FT. LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS: UNIT WEIGHT OF SOIL ABOVE WATER TABLE, γ = 120 PCF UNIT WEIGHT OF SOIL BELOW WATER TABLE, γ' = 60 PCF FRICTION ANGLE, ϕ = 30 DEGREES COHESION, c = 0 PSF GROUNDWATER ELEVATION = 863 FT. +/-

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING FORM STATION 27+00 +/- -L- TO 27+90 +/- -L-, 67 FT. LT. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTORS OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 27+00 +/- -L- TO 27+90 +/-, 67 FT. LT. SEE STANDARD DRAWING NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

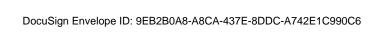
> THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH SEALED DOCUMENTS FROM THE GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENTS WERE SUBMITTED TO THE WZTC SECTION ON FEBRUARY 23, 2015 AND SEALED BY PROFESSIONAL ENGINEER, DAVID TEAGUE, P.E., LICENSE #027869.

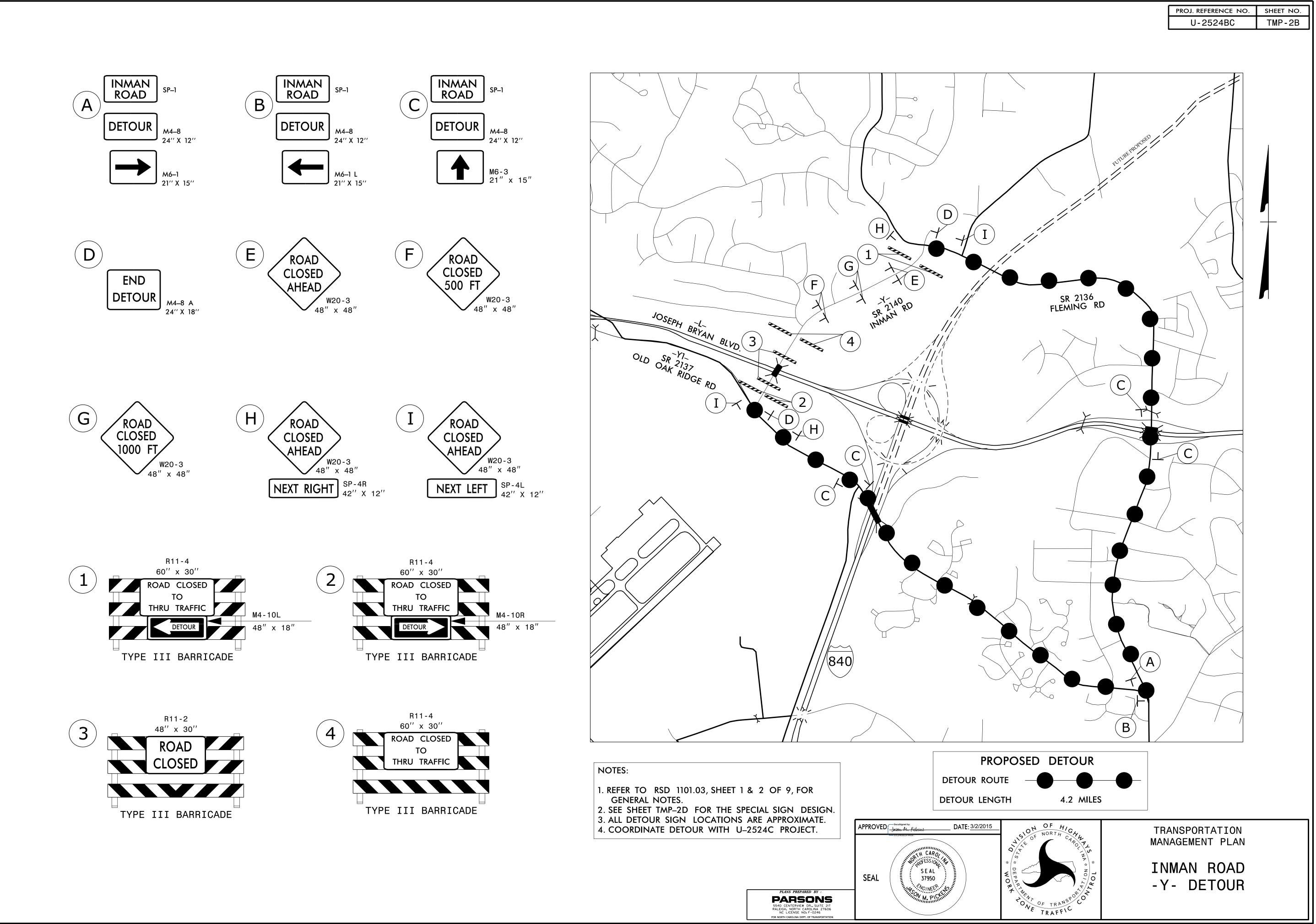


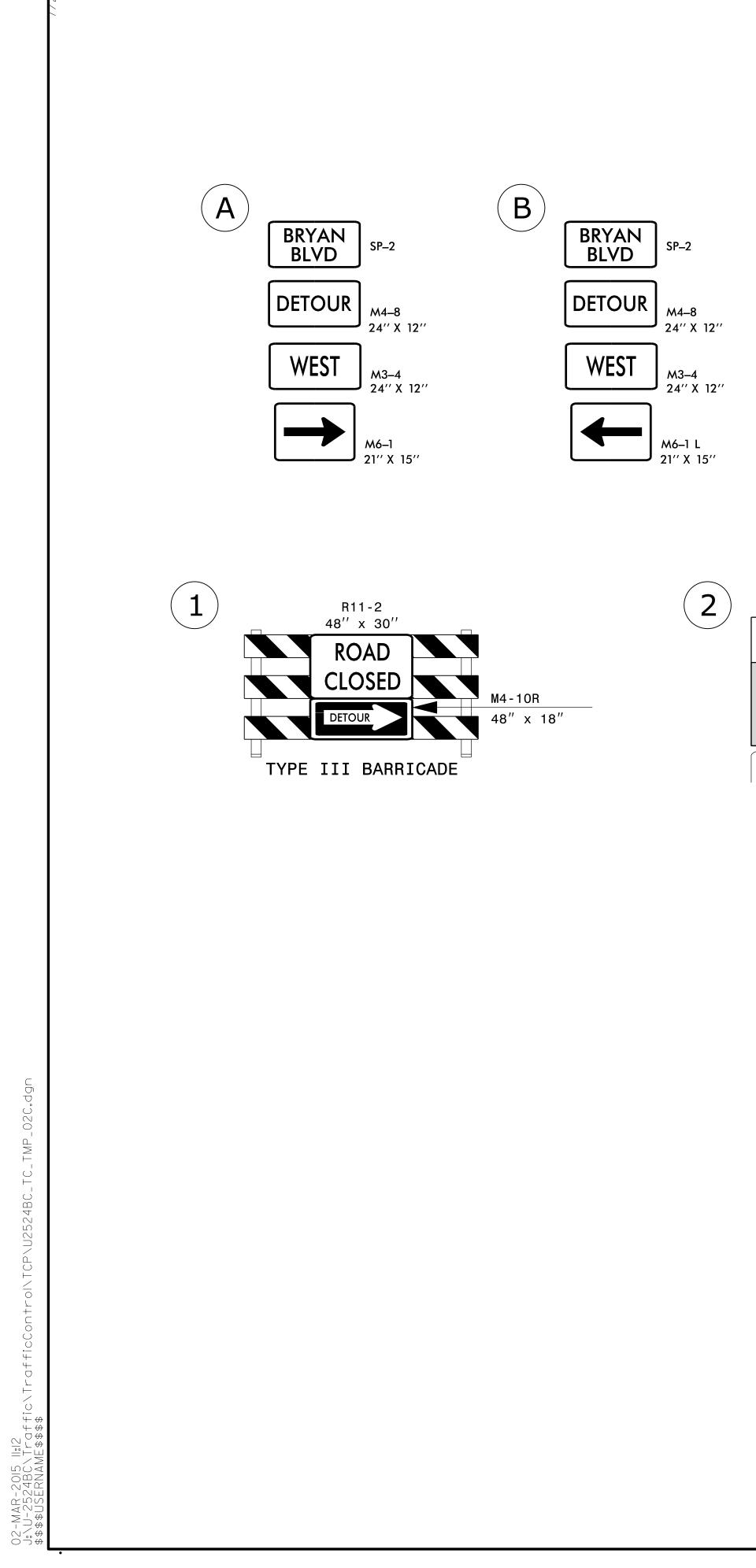
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	U-2524BC	TMP-2A
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TRANSPORTATION MANAGEMENT PLAN

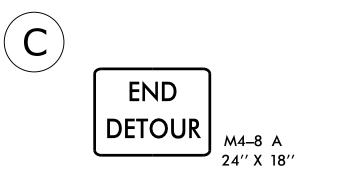
TEMPORARY SHORING NOTES



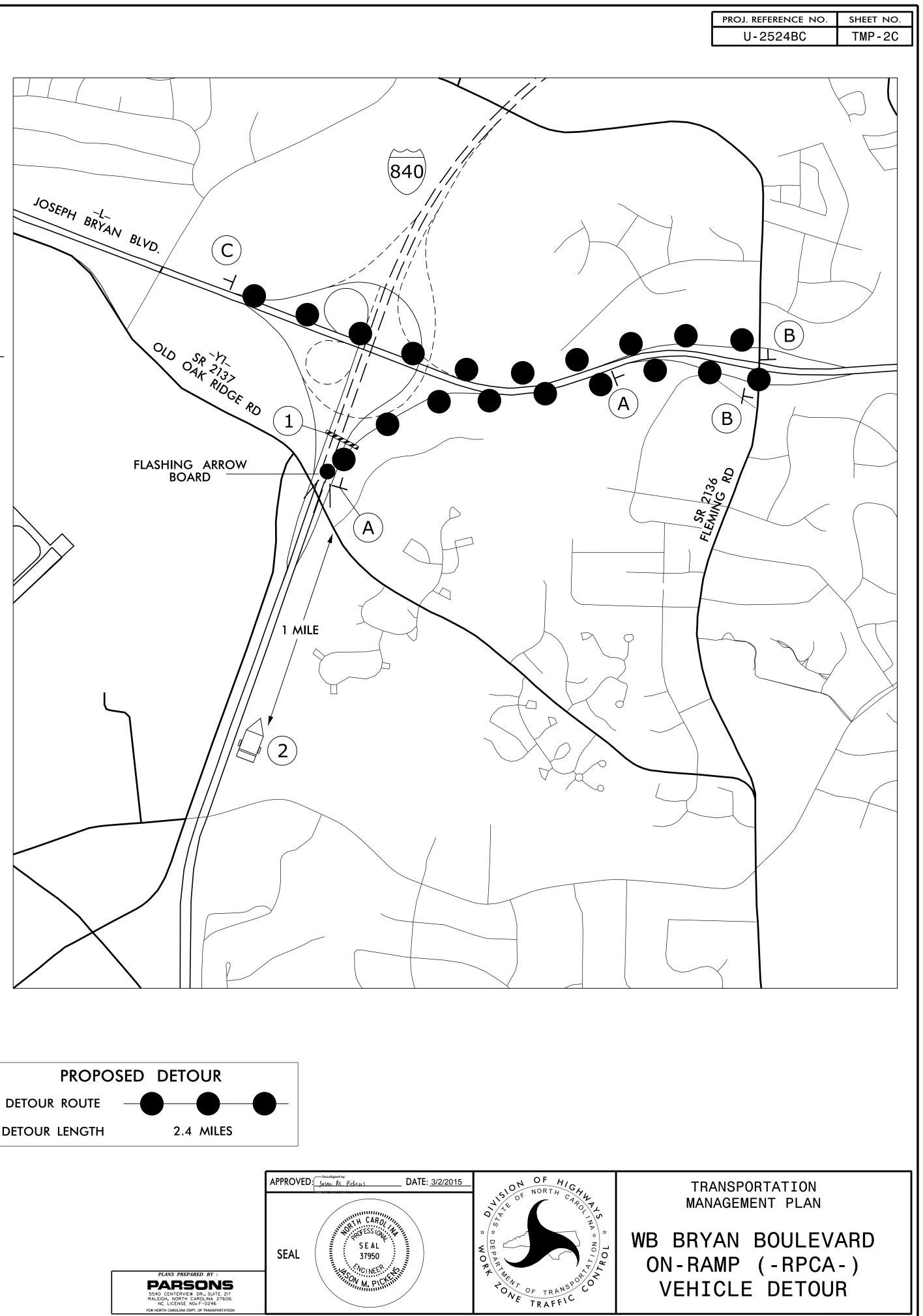


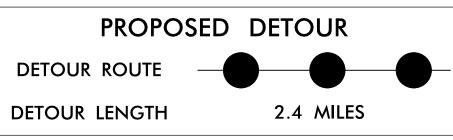


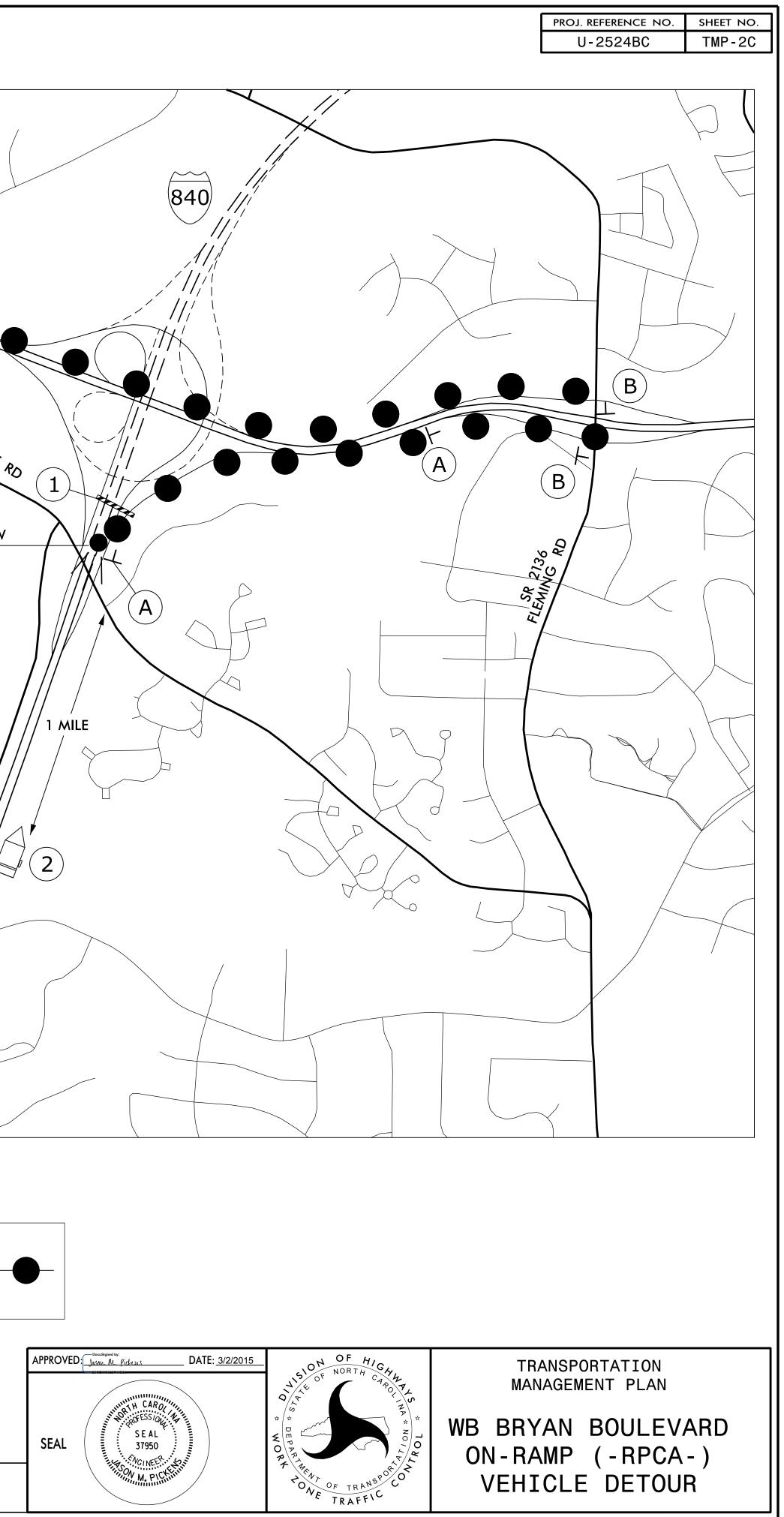




MESSAGE NO. 1	MESSAGE NO. 2					
BRYAN WB	DETOUR					
RAMP	NEXT					
CLOSED	RIGHT					
CHANGEABLE MESSAGE SIGN						

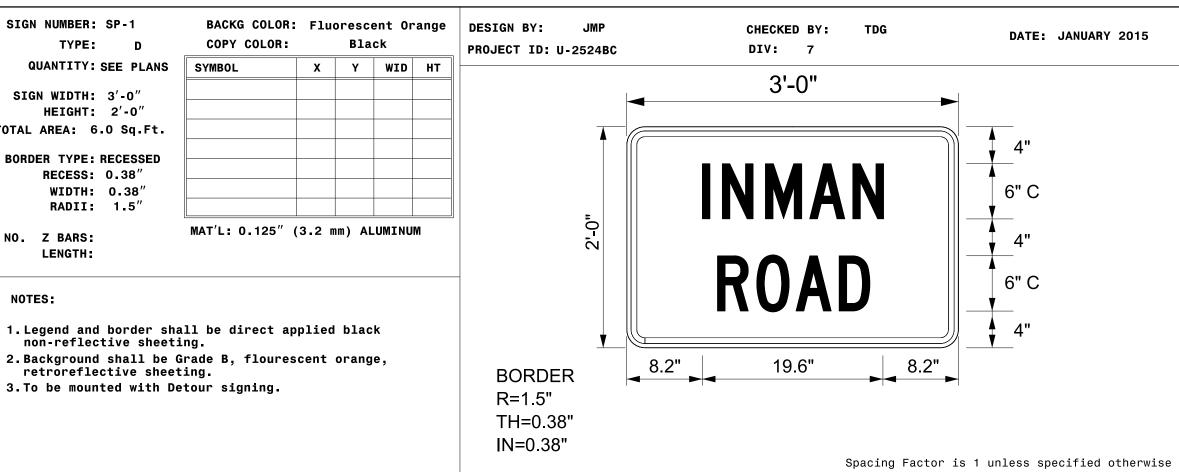






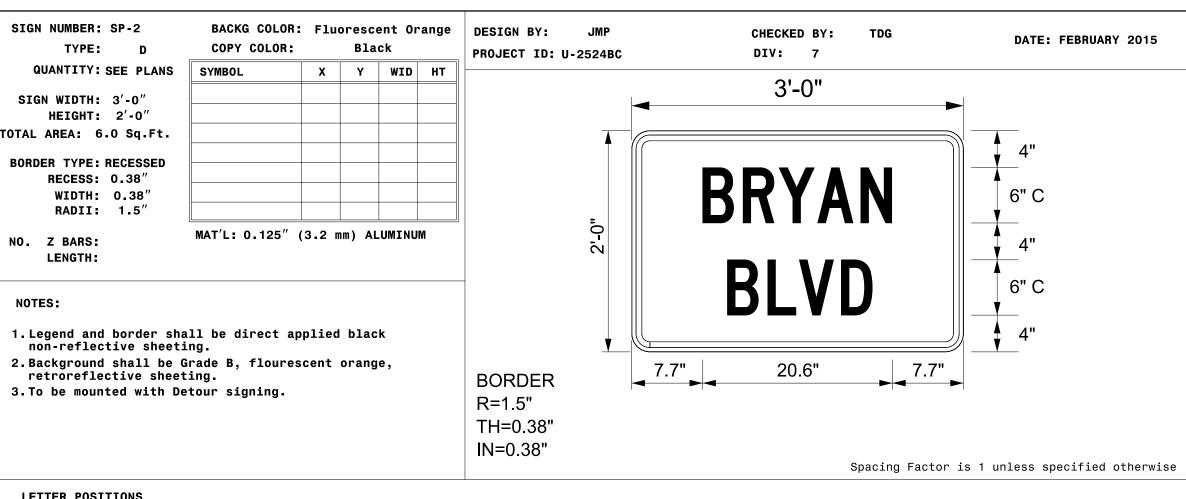
NOTES: 1. SEE SHEET TMP-2D FOR THE SPECIAL SIGN DESIGN. 2. ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.

DocuSign Envelope ID: 9EB2B0A8-A8CA-437E-8DDC-A742E1C990C6



								U-2524BC TMP-20
SIGN NUMBER: SP-1		Fluorescent Orange	DESIGN BY: JMP	CHECKED BY:	TDG	DATE: JANUARY 2015		
TYPE: D QUANTITY:SEE PLANS	COPY COLOR:	Black X Y WID HT	PROJECT ID: U-2524BC	DIV: 7		DAIL. VANUARI 2013		
SIGN WIDTH: 3'-0"				3'-0"				
HEIGHT: 2'-0" DTAL AREA: 6.0 Sq.Ft.						<u>.</u>		
BORDER TYPE: RECESSED						4 "		
RECESS: 0.38" WIDTH: 0.38"				INMA		▲ 6" C		
RADII: 1.5"								
NO. Z BARS: Length:	MAT'L: 0.125″ (3	.2 mm) ALUMINUM	5'-0"			4 "		
			_	ROAE		▲ 6" C		
NOTES:				ΝυΛι	┚ ║_	¥		
1.Legend and border sha non-reflective sheeti	.ng .		¥ (1		↓ _4"		
2.Background shall be G retroreflective sheet 3.To be mounted with De	inade B, flouresco ing. tour signing	ent orange,	BORDER	8.2" 19.6"	8.2"			
5.10 be mounted with be	tour signing.		R=1.5"					
			TH=0.38" IN=0.38"					
				s	Spacing Factor is 1	unless specified otherwise		
LETTER POSITIONS								
		Letter sp	acings are to star	t of next letter		Series/Size Text Length		
I N M 8.2 2.1 4.7 4.8	A N B 4.7 3.3 8.2					C 2000 19.6		
R 0 A						C 2000		
9.7 4.3 4.2 4.7	7 3.4 9.7					16.6		
					<u> </u>	<u> </u>		
SIGN NUMBER: SP-2	BACKG COLOR:	Fluorescent Orange	DESIGN BY: JMP	CHECKED BY:	TDG			
TYPE: D	COPY COLOR:	Black	PROJECT ID: U-2524BC	DIV: 7		DATE: FEBRUARY 2015		
QUANTITY: SEE PLANS SIGN WIDTH: 3'-0"	SYMBOL	X Y WID HT	-	3'-0"				
HEIGHT: 2'-0"				l	>			
TOTAL AREA: 6.0 Sq.Ft. BORDER TYPE: RECESSED						4"		
RECESS: 0.38" WIDTH: 0.38"				BRYA		6" C		
RADII: 1.5"				DIVIK				
NO. Z BARS: Length:	MAT'L: 0.125″ (3	.2 mm) ALUMINUM	5'-0"			↓ 4"		
			-	BLVE		▲ 6" C		
NOTES:					┛ ║_	V		
1. Legend and border sha non-reflective sheeti	.ng .			1		4 "		
2.Background shall be G retroreflective sheet	maue в, Tlouresco			1	· ·			
J. 10 DA MOUNTAN with Do			BURDER	7.7" 20.6"	7.7"			
3.To be mounted with De			R=1.5"	7.7" 20.6"	7.7 "			
J.IO DE MOUNTED With D€			BURDER	7.7" 20.6"	7.7"			
			R=1.5" TH=0.38"			unless specified otherwise		
3.To be mounted with De LETTER POSITIONS		ent orange,	R=1.5" TH=0.38" IN=0.38"	► ◄ S				
LETTER POSITIONS	tour signing.	ent orange,	R=1.5" TH=0.38"	► ◄ S		Series/Size Text Length		
LETTER POSITIONS	tour signing.	ent orange,	R=1.5" TH=0.38" IN=0.38"	► ◄ S		Series/Size Text Length C 2000		
LETTER POSITIONS	tour signing. A N 2 4.7 3.3 7.7 D	ent orange,	R=1.5" TH=0.38" IN=0.38"	► ◄ S		Series/Size Text Length C 2000 20.5 C 2000		
LETTER POSITIONS	tour signing. A N 2 4.7 3.3 7.7 D	ent orange,	BORDER R=1.5" TH=0.38" IN=0.38"	► ◄ S		Series/Size Text Length C 2000 20.5		
LETTER POSITIONS	tour signing. A N 2 4.7 3.3 7.7 D	ent orange,	BORDER R=1.5" TH=0.38" IN=0.38"	► ◄ S		Series/Size Text Length C 2000 20.5 C 2000		
LETTER POSITIONS B Y R 7.7 4.4 3.9 4.2 B L V	tour signing. A N 2 4.7 3.3 7.7 D	ent orange,	BORDER R=1.5" TH=0.38" IN=0.38"	► ◄ S		Series/Size Text Length C 2000 20.5 C 2000		
LETTER POSITIONS B Y R 7.7 4.4 3.9 4.2 B L V	tour signing. A N 2 4.7 3.3 7.7 D	ent orange,	BORDER R=1.5" TH=0.38" IN=0.38"	► ◄ S		Series/Size Text Length C 2000 20.5 C 2000		
LETTER POSITIONS	tour signing. A N 2 4.7 3.3 7.7 D	ent orange,	BORDER R=1.5" TH=0.38" IN=0.38"	► ◄ S		Series/Size Text Length C 2000 20.5 C 2000		
LETTER POSITIONS B Y R 7.7 4.4 3.9 4.2 B L V	tour signing. A N 2 4.7 3.3 7.7 D	ent orange,	BORDER R=1.5" TH=0.38" IN=0.38"	► ◄ S		Series/Size Text Length C 2000 20.5 C 2000		
LETTER POSITIONS B Y R 7.7 4.4 3.9 4.2 B L V	tour signing. A N 2 4.7 3.3 7.7 D	ent orange,	BORDER R=1.5" TH=0.38" IN=0.38"	► ◄ S		Series/Size Text Length C 2000 20.5 C 2000		
LETTER POSITIONS B Y R 7.7 4.4 3.9 4.2 B L V	tour signing. A N 2 4.7 3.3 7.7 D	ent orange,	BORDER R=1.5" TH=0.38" IN=0.38"	► ◄ S		Series/Size Text Length C 2000 20.5 C 2000 15.7 15.7 15.7 15.7 15.7		
LETTER POSITIONS B Y R 7.7 4.4 3.9 4.2 B L V	tour signing. A N 2 4.7 3.3 7.7 D	ent orange,	BORDER R=1.5" TH=0.38" IN=0.38"	► ◄ S		Series/Size Text Length C 2000 20.5 C 2000	DATE: 3/2/2015	TRANSPORTATION
LETTER POSITIONS B Y R 7.7 4.4 3.9 4.2 B L V	tour signing. A N 2 4.7 3.3 7.7 D	ent orange,	BORDER R=1.5" TH=0.38" IN=0.38"	► ◄ S		Series/Size Text Length C 2000 20.5 C 2000 15.7 Deutsigned by: JAMA M. ficktus	STOP NORTH CAME	TRANSPORTATION MANAGEMENT PLAN
LETTER POSITIONS B Y R 7.7 4.4 3.9 4.2 B L V	tour signing. A N 2 4.7 3.3 7.7 D	ent orange,	BORDER R=1.5" TH=0.38" IN=0.38"	► ◄ S		Series/Size Text Length C 2000 20.5 C 2000 15.7 15.7 15.7 15.7 15.7	STOP NORTH CAME	MANAGEMENT PLAN
LETTER POSITIONS B Y R 7.7 4.4 3.9 4.2 B L V	tour signing. A N 2 4.7 3.3 7.7 D	ent orange,	R=1.5" TH=0.38" IN=0.38"	► ◄ S		Series/Size Text Length C 2000 20.5 C 2000 15.7	STOP NORTH CARH	MANAGEMENT PLAN SPECIAL SIGN
LETTER POSITIONS B Y R 7.7 4.4 3.9 4.2 B L V	tour signing. A N 2 4.7 3.3 7.7 D	ent orange,	R=1.5" TH=0.38" IN=0.38"	t of next letter I	Spacing Factor is 1	Series/Size Text Length C 2000 20.5 C 2000 15.7 D 15.7 D 1	AND E P P P P P P P P P P P P P P P P P P	MANAGEMENT PLAN
LETTER POSITIONS	tour signing. A N 2 4.7 3.3 7.7 D	ent orange,	R=1.5" TH=0.38" IN=0.38"		Spacing Factor is 1	Series/Size Text Length C 2000 20.5 C 2000 15.7	AND E P P P P P P P P P P P P P P P P P P	MANAGEMENT PLAN SPECIAL SIGN

PROJ. REFERENCE NO. SHEET NO.



GN NUMBER: SP-1 Type: D	BACKG COLOR: F] Copy Color:	Black	PROJECT ID: U-2	JMP 524BC	CHECKED BY: T DIV: 7	DG D/	ATE: JANUARY 2015					
QUANTITY: SEE PLANS	SYMBOL X	Y WID HT	_		3'-0"							
N WIDTH: 3'-0" HEIGHT: 2'-0"			_									
AREA: 6.0 Sq.Ft. ER TYPE: RECESSED							1"					
RECESS: 0.38" WIDTH: 0.38"					INMAN		' C					
RADII: 1.5"				- 0			0					
Z BARS: Length:	MAT'L: 0.125″ (3.2	MM) ALUMINUM		2'-0"			1"					
)TES:			_		ROAD	[6"	' C					
Legend and border s	hall be direct appli	ed black					1"					
non-reflective shee	ting. Grade B, flourescen			8.2"	19.6"	8.2"						
To be mounted with I			BORDER R=1.5"	▲ ►	- ◀							
			TH=0.38"									
			IN=0.38"		Spac	ing Factor is 1 unles	ss specified otherwise					
TTER POSITIONS							Series/Size					
T NI	M A N	Letter sp	bacings are to	o start of n	lext letter		Text Length					
8.2 2.1 4.7 4	4.8 4.7 3.3 8.2						19.6					
R 0 9.7 4.3 4.2 4							C 2000					
N NUMBER: SP-2	BACKG COLOR: F]		DESIGN BY:	JMP	CHECKED BY: T							
TYPE: D QUANTITY: SEE PLANS	COPY COLOR:	Black				DG D/	ATE: FEBRUARY 2015					
	SYMBOL X	Y WID HT	PROJECT ID: U-2	524BC	DIV: 7	DG D/	ATE: FEBRUARY 2015					
GIGN WIDTH: 3'-0"	SYMBOL X	Y WID HT		524BC		DG D/	ATE: FEBRUARY 2015					
IGN WIDTH: 3'-0" HEIGHT: 2'-0" AL AREA: 6.0 Sq.Ft.		Y WID HT		524BC	DIV: 7							
SIGN WIDTH: 3'-0" HEIGHT: 2'-0" AL AREA: 6.0 Sq.Ft. PRDER TYPE: RECESSED RECESS: 0.38"		Y WID HT			DIV: 7 3'-0"		1"					
IGN WIDTH: 3'-0" HEIGHT: 2'-0" AL AREA: 6.0 Sq.Ft. RDER TYPE: RECESSED					DIV: 7 3'-0"							
IGN WIDTH: 3'-0" HEIGHT: 2'-0" AL AREA: 6.0 Sq.Ft. RDER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38"					DIV: 7		1"					
IGN WIDTH: 3'-0" HEIGHT: 2'-0" L AREA: 6.0 Sq.Ft. RDER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH:					BRYAN		t" ' С					
IGN WIDTH: 3'-0" HEIGHT: 2'-0" AL AREA: 6.0 Sq.Ft. RDER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" . Z BARS: LENGTH:	MAT'L: 0.125" (3.2	mm) ALUMINUM			DIV: 7 3'-0"		t" ' C t					
IGN WIDTH: 3'-0" HEIGHT: 2'-0" AL AREA: 6.0 Sq.Ft. RDER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" . Z BARS: LENGTH: DTES: Legend and border shee	MAT'L: 0.125" (3.2	mm) ALUMINUM		50.	BRYAN BRYAN BLVD		1" ' C 1"					
GN WIDTH: 3'-0" HEIGHT: 2'-0" L AREA: 6.0 Sq.Ft. DER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: TES: Legend and border shoe Background shall be	hall be direct appli- fing. Grade B, flourescent eting.	mm) ALUMINUM	BORDER		DIV: 7 3'-0" BRYAN BRYAN BLVD 20.6"		t" ' C t					
GN WIDTH: 3'-0" HEIGHT: 2'-0" LAREA: 6.0 Sq.Ft. DER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: TES: Legend and border shoe bon-reflective shee Background shall be	hall be direct appli- fing. Grade B, flourescent eting.	mm) ALUMINUM	BORDER R=1.5" TH=0.38"	"0-,7"	DIV: 7 3'-0" BRYAN BRYAN BLVD 20.6"		t" ' C t					
GN WIDTH: 3'-0" HEIGHT: 2'-0" AREA: 6.0 Sq.Ft. DER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: TES: egend and border shows on-reflective shews ackground shall be	hall be direct appli- fing. Grade B, flourescent eting.	mm) ALUMINUM	BORDER R=1.5"	"0-,7"	DIV: 7 3'-0" BRYAN BLYD 20.6"		t" ' C t					
CGN WIDTH: 3'-0" HEIGHT: 2'-0" L AREA: 6.0 Sq.Ft. DER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: TES: Legend and border sinon-reflective shee Background shall be retroreflective shee To be mounted with I	hall be direct appli- fing. Grade B, flourescent eting.	ed black t orange,	BORDER R=1.5" TH=0.38" IN=0.38"		DIV: 7 3'-0" BRYAP BLYD 20.6"		f" 'C f" 'C f" ss specified otherwise					
GN WIDTH: 3'-0" HEIGHT: 2'-0" LAREA: 6.0 Sq.Ft. DER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: TES: Legend and border short shon-reflective sheet Background shall be retroreflective sheet fo be mounted with f	hall be direct appli- mAT'L: 0.125" (3.2 MAT'L: 0.125" (3.2 Grade B, flourescen- eting. Detour signing.	ed black t orange,	BORDER R=1.5" TH=0.38"		DIV: 7 3'-0" BRYAP BLYD 20.6"		f" C f" C f" ss specified otherwise					
IGN WIDTH: 3'-0" HEIGHT: 2'-0" L AREA: 6.0 Sq.Ft. RDER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: DTES: Legend and border sl non-reflective sheet Background shall be retroreflective sheet To be mounted with I ETTER POSITIONS ETTER POSITIONS	matrix matrix matrix 0.125" matrix 0.125" <td< td=""><td>ed black t orange,</td><td>BORDER R=1.5" TH=0.38" IN=0.38"</td><td></td><td>DIV: 7 3'-0" BRYAP BLYD 20.6"</td><td></td><td>f" 'C f" 'C f" ss specified otherwise</td><td></td><td></td><td></td><td></td><td></td></td<>	ed black t orange,	BORDER R=1.5" TH=0.38" IN=0.38"		DIV: 7 3'-0" BRYAP BLYD 20.6"		f" 'C f" 'C f" ss specified otherwise					
IGN WIDTH: 3'-0" HEIGHT: 2'-0" AL AREA: 6.0 Sq.Ft. RDER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" . Z BARS: LENGTH: DTES: Legend and border st non-reflective shee Background shall be retroreflective shee To be mounted with the ETTER POSITIONS	MAT'L: 0.125" (3.2	ed black t orange,	BORDER R=1.5" TH=0.38" IN=0.38"		DIV: 7 3'-0" BRYAP BLYD 20.6"		4" 'C 4" 'C 4" ss specified otherwise					
CGN WIDTH: 3'-0" HEIGHT: 2'-0" L AREA: 6.0 Sq.Ft. CDER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: TES: Legend and border sl non-reflective sheet Background shall be retroreflective sheet Fo be mounted with I Background shall be retroreflective sheet Background shall be retroreflective sheet Fo be mounted with I Background sheet For For For For For For For For For For	MAT'L: 0.125" (3.2	ed black t orange,	BORDER R=1.5" TH=0.38" IN=0.38"		DIV: 7 3'-0" BRYAP BLYD 20.6"		4" ' C 4" ' C 4" ' C 4" Ss specified otherwise Series/Size Text Length C 2000 20.5 C 2000					
AGN WIDTH: 3'-0" HEIGHT: 2'-0" LAREA: 6.0 Sq.Ft. DER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: TES: Legend and border shows ackground shall be retroreflective sheet Background shall be retroreflective sheet to be mounted with 1 ETTER POSITIONS	MAT'L: 0.125" (3.2	ed black t orange,	BORDER R=1.5" TH=0.38" IN=0.38"		DIV: 7 3'-0" BRYAP BLYD 20.6"		4" ' C 4" ' C 4" ' C 4" Ss specified otherwise Series/Size Text Length C 2000 20.5 C 2000					
GN WIDTH: 3'-0" HEIGHT: 2'-0" AREA: 6.0 Sq.Ft. DER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: TES: degend and border shows foon-reflective sheet ackground shall be retroreflective sheet to be mounted with 1 sectoreflective sheet to be mounted with 1 TES: TTER POSITIONS	MAT'L: 0.125" (3.2	ed black t orange,	BORDER R=1.5" TH=0.38" IN=0.38"		DIV: 7 3'-0" BRYAP BLYD 20.6"		4" ' C 4" ' C 4" ' C 4" Ss specified otherwise Series/Size Text Length C 2000 20.5 C 2000					
GN WIDTH: 3'-0" HEIGHT: 2'-0" AREA: 6.0 Sq.Ft. DER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: TES: egend and border sl on-reflective sheet ackground shall be etroreflective sheet ackground shall be etroreflective sheet o be mounted with 1 TTER POSITIONS	MAT'L: 0.125" (3.2	ed black t orange,	BORDER R=1.5" TH=0.38" IN=0.38"		DIV: 7 3'-0" BRYAP BLYD 20.6"		4" ' C 4" ' C 4" ' C 4" Ss specified otherwise Series/Size Text Length C 2000 20.5 C 2000					
GN WIDTH: 3'-0" HEIGHT: 2'-0" AREA: 6.0 Sq.Ft. DER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: TES: egend and border sl on-reflective sheet ackground shall be etroreflective sheet ackground shall be etroreflective sheet o be mounted with 1 STTER POSITIONS	MAT'L: 0.125" (3.2	ed black t orange,	BORDER R=1.5" TH=0.38" IN=0.38"		DIV: 7 3'-0" BRYAP BLYD 20.6"		4" ' C 4" ' C 4" ' C 4" Ss specified otherwise Series/Size Text Length C 2000 20.5 C 2000					
GN WIDTH: 3'-0" HEIGHT: 2'-0" AREA: 6.0 Sq.Ft. DER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: TES: Legend and border shows bon-reflective sheet Background shall be retroreflective sheet bon shows and border sheet bon-reflective sheet ackground shall be retroreflective sheet ackground shall be retroreflective sheet border sheet ackground shall be retroreflective sheet betroreflective sheet ackground shall be retroreflective sheet be mounted with 1 TES: TES: Background shall be retroreflective sheet ackground shall be retroreflective sheet be mounted with 1 TES: Background shall be retroreflective sheet be mounted with 1 TES: TES: Background shall be retroreflective sheet be mounted with 1 TES: Background shall be retroreflective sheet be mounted with 1 TES: TES: Background shall be retroreflective sheet be mounted with 1 TES: TES: Background shall be retroreflective sheet be mounted with 1 TES: TES: Background shall be retroreflective sheet be mounted with 1 TES: TES: TES: TES: TES: TES: TES: TES:	MAT'L: 0.125" (3.2	ed black t orange,	BORDER R=1.5" TH=0.38" IN=0.38"		DIV: 7 3'-0" BRYAP BLYD 20.6"		4" ' C 4" ' C 4" ' C 4" Ss specified otherwise Series/Size Text Length C 2000 20.5 C 2000					
GN WIDTH: 3'-0" HEIGHT: 2'-0" AREA: 6.0 Sq.Ft. DER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: TES: Legend and border shows bon-reflective sheet Background shall be retroreflective sheet bon shows and border sheet bon-reflective sheet ackground shall be retroreflective sheet ackground shall be retroreflective sheet border sheet ackground shall be retroreflective sheet betroreflective sheet ackground shall be retroreflective sheet be mounted with 1 TES: TES: Background shall be retroreflective sheet ackground shall be retroreflective sheet be mounted with 1 TES: Background shall be retroreflective sheet be mounted with 1 TES: TES: Background shall be retroreflective sheet be mounted with 1 TES: Background shall be retroreflective sheet be mounted with 1 TES: TES: Background shall be retroreflective sheet be mounted with 1 TES: TES: Background shall be retroreflective sheet be mounted with 1 TES: TES: Background shall be retroreflective sheet be mounted with 1 TES: TES: TES: TES: TES: TES: TES: TES:	MAT'L: 0.125" (3.2	ed black t orange,	BORDER R=1.5" TH=0.38" IN=0.38"		DIV: 7 3'-0" BRYAP BLYD 20.6"		4" ' C 4" ' C 4" Ss specified otherwise Series/Size Text Length C 2000 20.5 C 2000 15.7 1	DATE:3/2/2015	NOF A	Ϋ/~	ΤΟΛΝΩΩΟΩΤΑΤΤΟΝ	
GN WIDTH: 3'-0" HEIGHT: 2'-0" LAREA: 6.0 Sq.Ft. DER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: TES: Legend and border shows ackground shall be retroreflective sheet Background shall be retroreflective sheet to be mounted with 1 Settoreflective sheet TES: TTER POSITIONS	MAT'L: 0.125" (3.2	ed black t orange,	BORDER R=1.5" TH=0.38" IN=0.38"		DIV: 7 3'-0" BRYAP BLYD 20.6"		4" ' C 4" ' C 4" ' C 4" Ss specified otherwise Series/Size Text Length C 2000 20.5 C 2000	DATE:3/2/2015	NORTH	HIGH CARONAL	TRANSPORTATION MANAGEMENT PLAN	
GN WIDTH: 3'-0" HEIGHT: 2'-0" AREA: 6.0 Sq.Ft. DER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: TES: Legend and border slate Bon-reflective sheet Background shall be Petroreflective sheet Background shall be TO be mounted with I Co be mounted with I Background shall be Petroreflective sheet Background shall be Petroref	MAT'L: 0.125" (3.2	ed black t orange,	BORDER R=1.5" TH=0.38" IN=0.38"		DIV: 7 3'-0" BRYAP BLYD 20.6"		4" ' C 4" ' C 4" Ss specified otherwise Series/Size Text Length C 2000 20.5 C 2000 15.7 1		DIN OF NORTH	HIGH AND	MANAGEMENT PLAN	
SN WIDTH: 3'-0" HEIGHT: 2'-0" AREA: 6.0 Sq.Ft. DER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: ES: egend and border sl on-reflective sheet ackground shall be etroreflective sheet ackground shall be etroreflective sheet o be mounted with 1 TTER POSITIONS	MAT'L: 0.125" (3.2	ed black t orange,	BORDER R=1.5" TH=0.38" IN=0.38"		DIV: 7 3'-0" BRYAP BLYD 20.6"		4" 'C 'I' 'C 'I' 'Ss specified otherwise Ss specified otherwise Series/Size Text Length C 2000 20.5 C 2000 20.5 C 2000 15.7 16.7			HIGHMA CAROLINA NO	MANAGEMENT PLAN	N
AN WIDTH: 3'-0" HEIGHT: 2'-0" AREA: 6.0 Sq.Ft. ER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" Z BARS: LENGTH: ES: egend and border sl on-reflective sheet ackground shall be etroreflective sheet be mounted with 1 TTER POSITIONS	MAT'L: 0.125" (3.2	ed black t orange,	BORDER R=1.5" TH=0.38" IN=0.38"				4" 'C 4" 'C 4" Ss specified otherwise Series/Size Text Length C 2000 20.5 C 2000 15.7 C 2000 15.7 PROVED Coulored by: Jacka M. Picktas			HIGHMAN CAROLINA * IO K NOLLY CAROLINA * IO K NOLLY CAROLINA * IO K NOLLY CAROLINA * IO	MANAGEMENT PLAN	N



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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.

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 PROPOSED PIPES, TEMPORARY PIPES, STEEL PLATES, AND TEMPORARY DITCHES.

THE TERM RSD DENOTES ROADWAY STANDARD DRAWINGS.

PHASE 1

STEP 1: - INSTALL ADVANCE WORK ZONE WARNING SIGNS ACCORDING TO RSD 1101.01 (SHEET 2 OF 3) FOR -L- AND -RPCA-.

- MAY BEGIN INSTALLATION OF ROAD CLOSURE AND DETOUR SIGNS FOR -Y- (INMAN RD.) & -RPCA-OFF-SITE DETOUR AS SHOWN ON SHEETS TMP-2B & TMP-2C. MAY BEGIN INSTALLATION OF ROAD CLOSURE SIGNS USING RSD 1101.03 (SHEET 7 OF 9) FOR -RPCA-. COVER SIGNS.

STEP 2: - PLACE TEMPORARY PAVEMENT MARKINGS ON -L- (BRYAN BLVD.) AND -RPCA- USING RSD 1101.02 (SHEET 3 OF 15) AND REMOVE CONFLICTING MARKINGS. INSTALL PORTABLE CONCRETE BARRIER ON -L-AS SHOWN ON TMP-4, TMP-5 AND TMP-7 USING RSD 1101.02 (SHEET 3 OF 15). REMOVE EXISTING MEDIAN GUARDRAIL AND INSTALL TEMPORARY GUARDRAIL ANCHOR UNITS AS SHOWN ON TMP-5.

- INSTALL/UNCOVER DETOUR AND ROAD CLOSURE SIGNS SHOWN ON TMP-2C AND CLOSE -RPCA- TO TRAFFIC USING OFF-SITE DETOUR (SEE GENERAL NOTE C). INSTALL PORTABLE CONCRETE BARRIER ON -RPCA- AS SHOWN ON TMP-6 AND TMP-7 USING LAW ENFORCEMENT (IF NEEDED). COVER -RPCA- DETOUR SIGNS AND OPEN TO TRAFFIC.

STEP 3: A: INSTALL/UNCOVER DETOUR AND ROAD CLOSURE SIGNS AND CLOSE -Y- (INMAN RD.) TO TRAFFIC USING OFF-SITE DETOUR SHOWN ON TMP-2B AND RSD 1101.03 (SHEET 1 OF 9).

B: USING RSD 1101.03 (SHEET 9 OF 9) AS NEEDED, REMOVE EXISTING -Y- (INMAN RD.) BRIDGE OVER -L- (BRYAN BLVD.).

STEP 4: - AWAY FROM TRAFFIC CONSTRUCT/INSTALL THE FOLLOWING: A: INSTALL TEMPORARY SHORING AS SHOWN ON TMP-5. B: REMOVE EXISTING -Y- (INMAN RD.) BRIDGE BENTS AS SHOWN ON TMP-5. C: CONSTRUCT PROPOSED -Y- APPROACHES AND SUBSTRUCTURE AND REMOVE TEMPORARY SHORING.

- AWAY FROM TRAFFIC COMPLETE CONSTRUCTION ON THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE: * -L- FROM STA. 13+73 +/- TO -RPCA- STA. 27+50 +/-. * -L- FROM STA. 57+12 +/- TO STA. 62+00 +/-.

- AWAY FROM TRAFFIC WORK CAN BEGIN ON THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE: * -L- FROM STA. 22+73 +/- TO -L- STA. 31+49 +/- MEDIAN SHOULDER/GUARDRAIL WORK * -L- FROM STA. 26+79 +/- TO -L- STA. 27+73 +/- EASTBOUND RT OUTSIDE SHOULDER

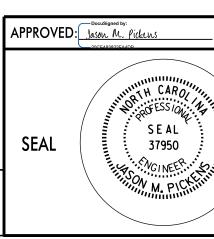
- USING RSD 1101.03 (SHEET 9 OF 9) AS NEEDED, INSTALL GIRDERS, COMPLETE CONSTRUCTION ON -Y- (INMAN RD.) PAVEMENT FROM STA. 11+00 +/- TO STA. 22+00 +/- AND BRIDGE OVER -L-(BRYAN BLVD.) AND PLACE FINAL PAVEMENT MARKINGS ON -Y-. UPON APPROVAL OF ENGINEER, REMOVE DETOUR/ROAD CLOSURE SIGNS AND OPEN -Y- TO TRAFFIC.

STEP 5: - USING RSD 1101.02 (SHEET 3 OF 15) REMOVE PORTABLE CONCRETE BARRIER ON -L- AND REPLACE PORTABLE CONCRETE BARRIER WITH DRUMS. USE RSD 1101.02 (SHEET 3 OF 15) TO COMPLETE MEDIAN SHOULDER/GUARDRAIL WORK AND EASTBOUND RT OUTSIDE SHOULDER. REMOVE TEMPORARY GUARDRAIL ANCHOR UNITS AND TIE PROPOSED GUARDRAIL WITH EXISTING GUARDRAIL.

- UNCOVER DETOUR AND ROAD CLOSURE SIGNS AND CLOSE -RPCA- TO TRAFFIC USING OFF-SITE DETOUR (SEE GENERAL NOTE C). REMOVE PORTABLE CONCRETE BARRIER ON -RPCA- AS SHOWN ON TMP-6 AND TMP-7 USING LAW ENFORCEMENT (IF NEEDED). REMOVE -RPCA- DETOUR SIGNS AND OPEN TO TRAFFIC.

USING RSD 1101.02 (SHEET 3 OF 15) COMPLETE MILLING OPERATIONS, PLACE THE FINAL LAYER OF SURFACE COURSE, AND PLACE THE TEMPORARY PAVEMENT MARKINGS AND MARKERS IN THE EXISTING 12' LANE TRAVEL PATTERN (AS NEEDED) IN THE FOLLOWING LOCATIONS:
* -L- FROM STA. 12+13 +/- TO STA. 64+12 +/- LT (WESTBOUND LANES).
* -L- FROM STA. 22+73 +/- TO STA. 31+49 +/- RT (EASTBOUND LANES).
* -RPCA- FROM STA. 10+00 +/- TO STA. 35+20 +/-.

- STEP 6: PLACE FINAL PAVEMENT MARKINGS ON -L- AND -RPCA- USING RSD 1101.02 (SHEET 13 OF 15) AS SHOWN IN THE FINAL PAVEMENT MARKING PLANS.
- STEP 7: REMOVE ALL REMAINING TEMPORARY TRAFFIC CONTROL DEVICES AND OPEN ALL ROADS AND ALL LANES TO TRAFFIC.



PLANS PREPARED BY

PARSONS 5540 CENTERVIEW DR., SUITE 217 RALEIGH, NORTH CAROLINA 27606 NC LICENSE NO: F-0246 FOR NORTH CAROLINA DEPT OF TRANSPORTATION

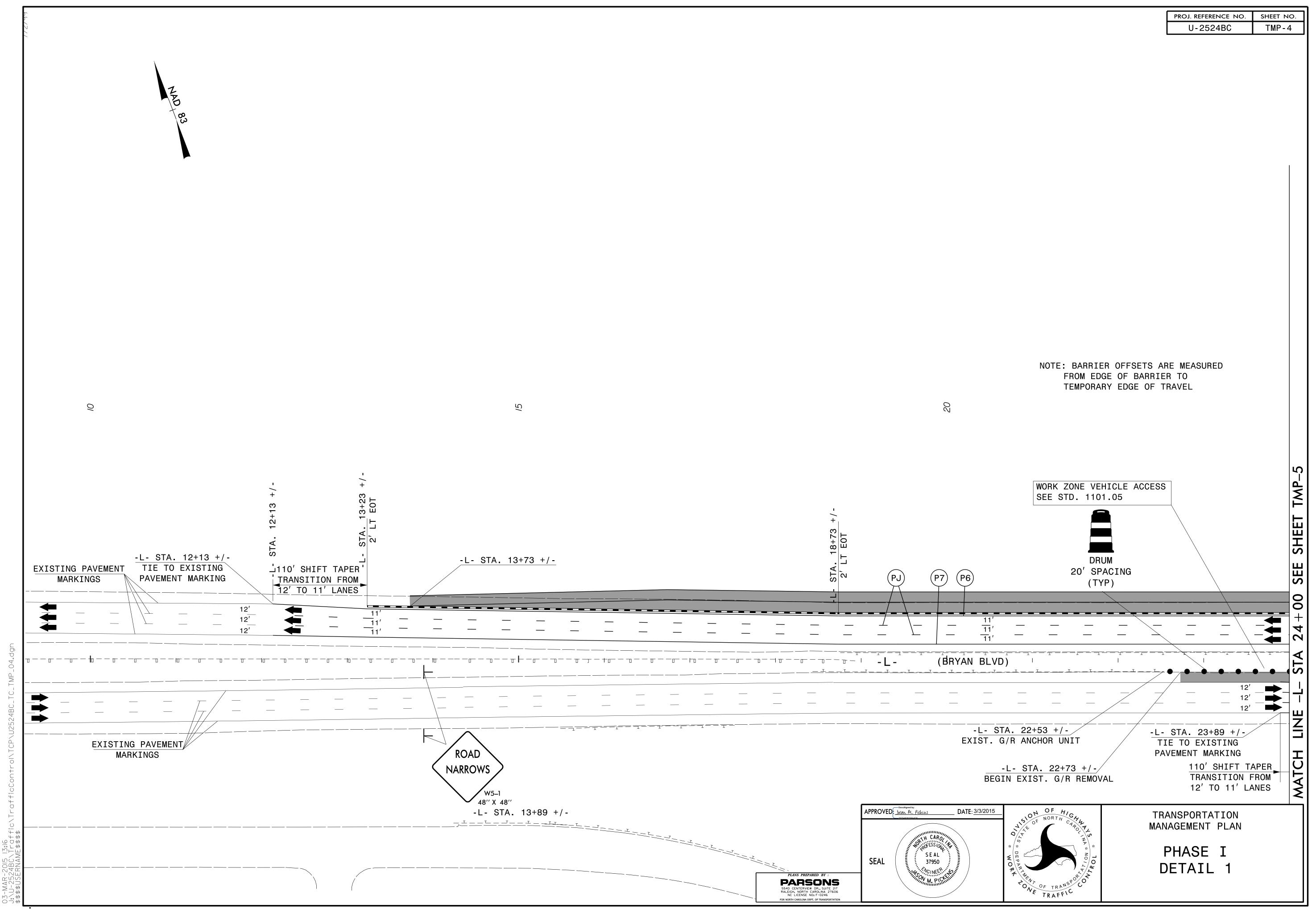
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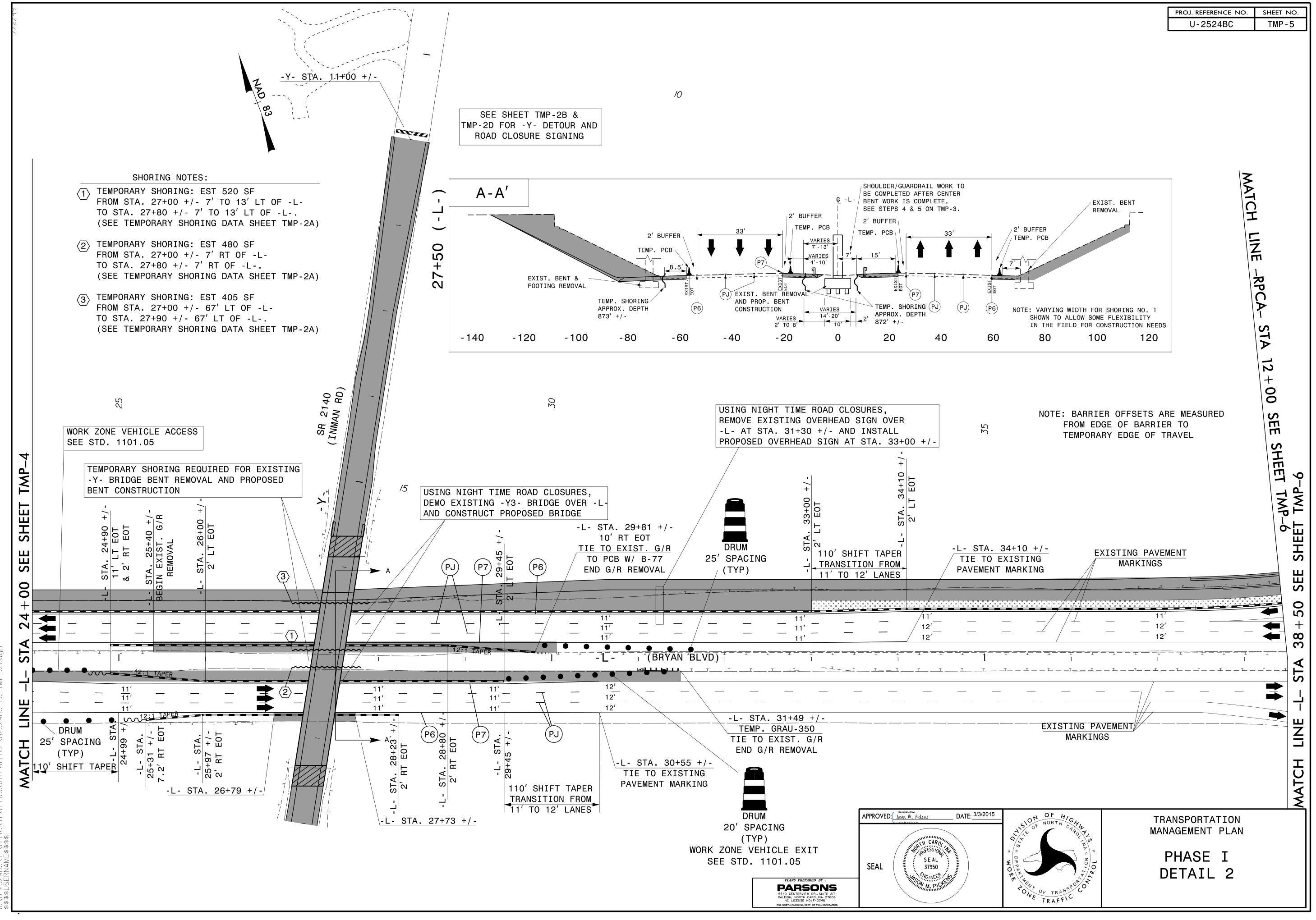
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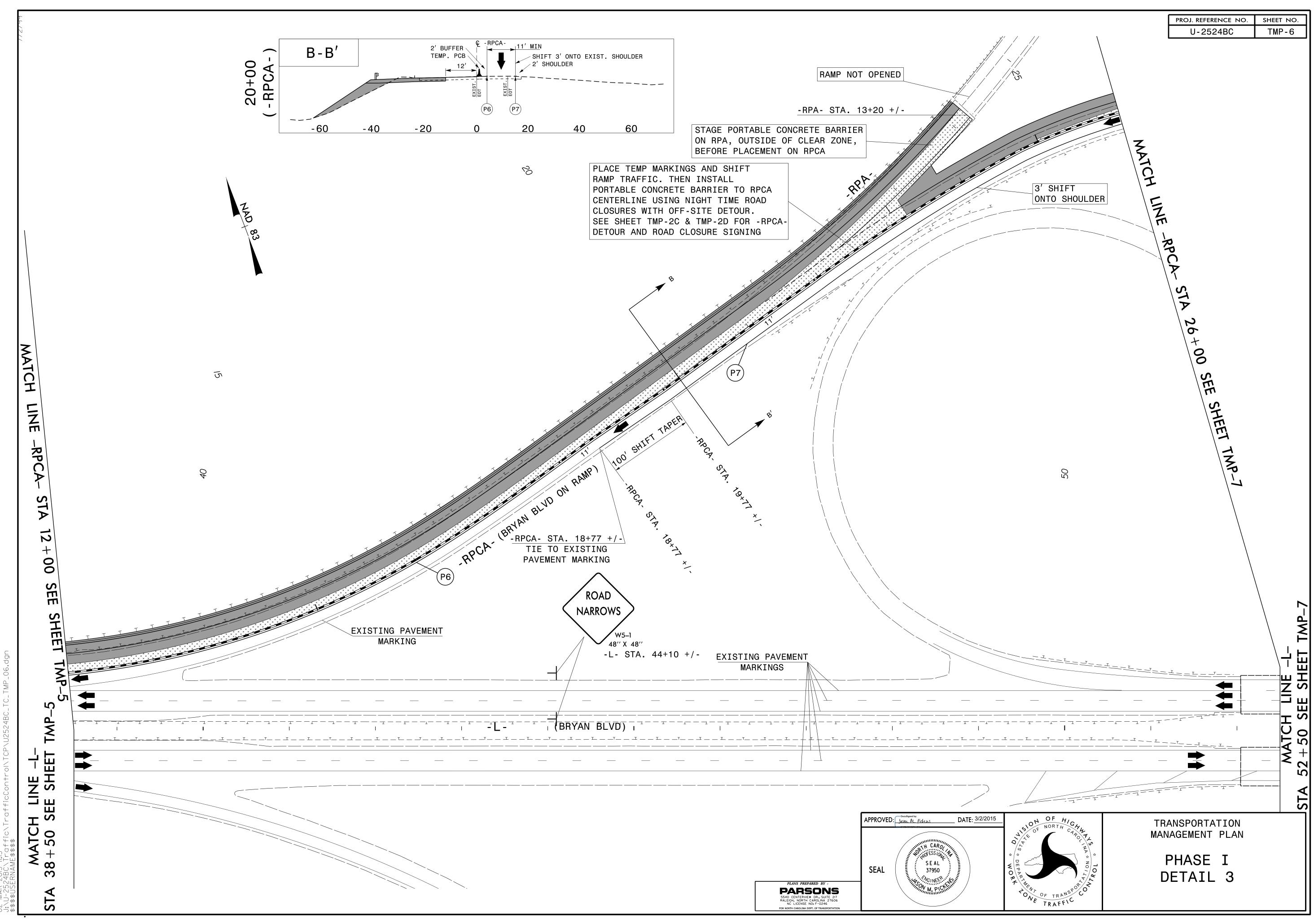
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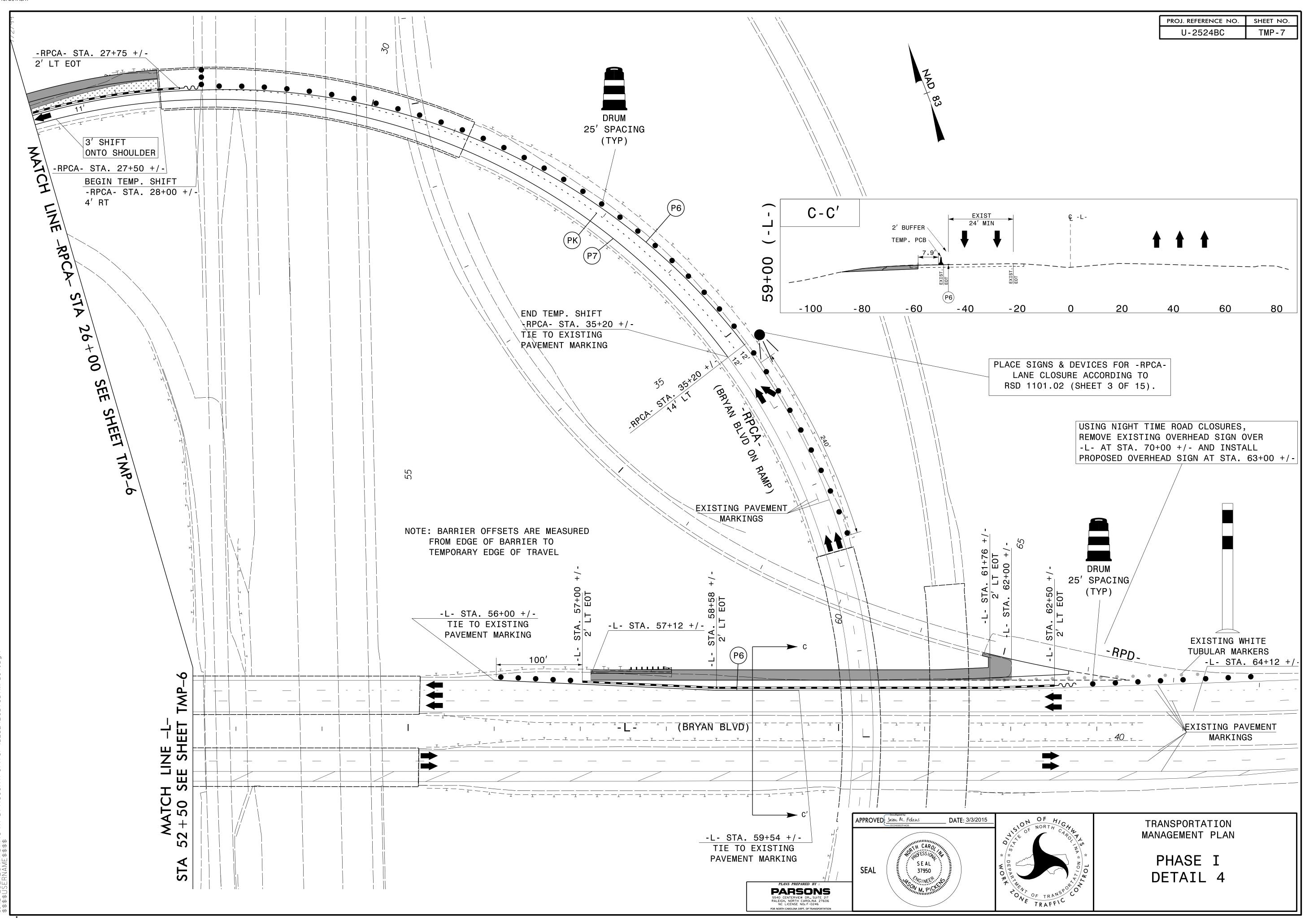
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TMP-3









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