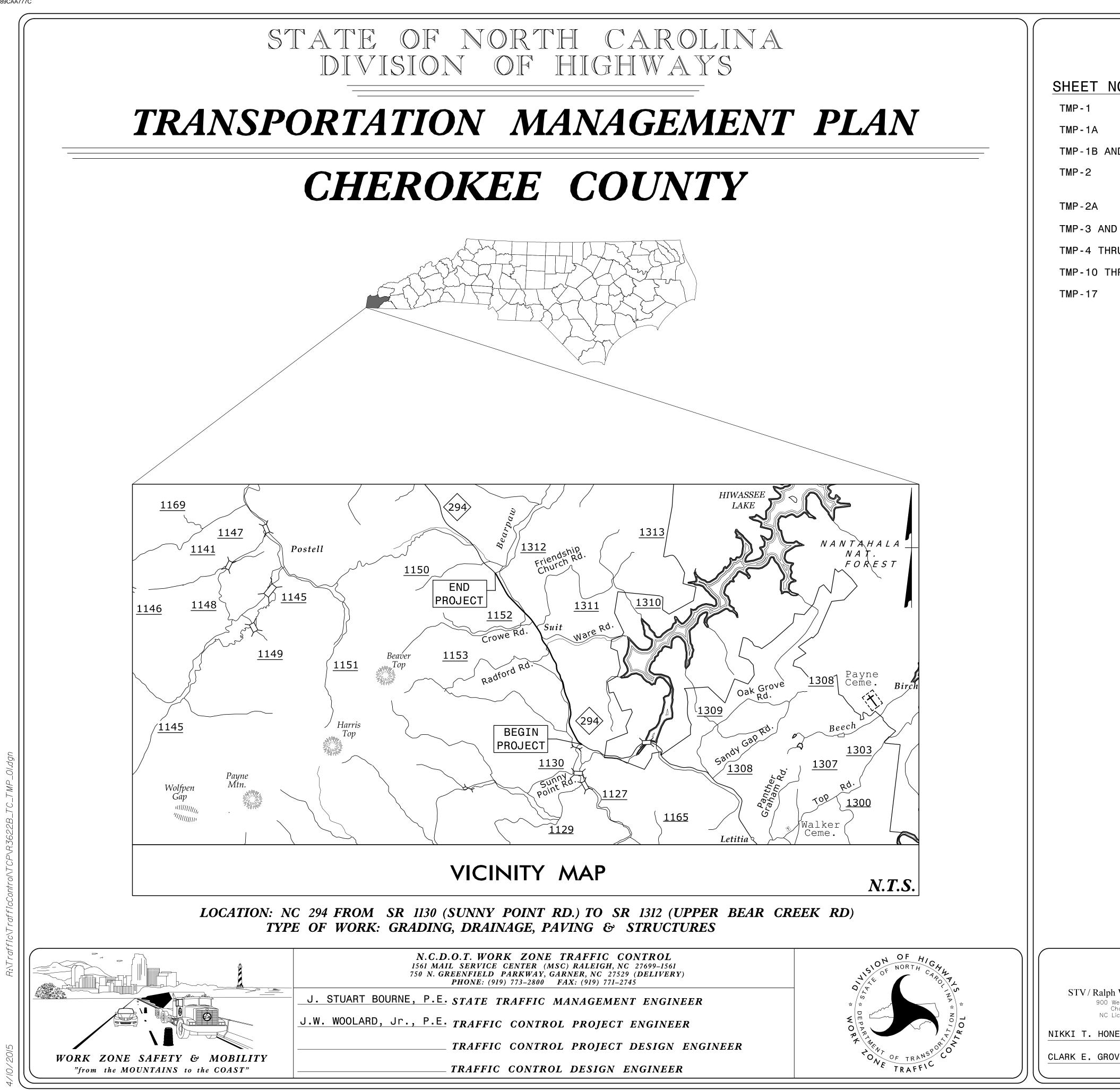
# This electronic collection of documents is provided for the convenience of the user and is Not a Certified Document -

The documents contained herein were originally issued and sealed by the individuals whose names and license numbers appear on each page, on the dates appearing with their signature on that page. This file or an individual page shall not be considered a certified document.



## INDEX OF SHEETS

SHEET NO.

TMP-1

N

362.

R

••

EC

10.	TITLE
	TITLE SHEET, AND INDEX OF SHEETS
	ROADWAY STANDARD DRAWINGS AND LEGEND
ND 1C	TRANSPORTATION OPERATIONS PLAN
	PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS
	TEMPORARY SHORING DATA
D 3A	TEMPORARY TRAFFIC CONTROL PHASING
RU 9	TEMPORARY TRAFFIC CONTROL PHASE I DETAILS
HRU 16	TEMPORARY TRAFFIC CONTROL PHASE II DETAILS
	TEMPORARY TRAFFIC CONTROL PHASE III DETAILS

Whitehead Associates, Inc. West Trade St., Ste. 715 harlotte, NC 28202 icense Number F-0991	APPROVED: DATE:_4	Decusioned by: Thilds: I Nonepritt TOF2015 TO	
TRAFFIC ENGINEER		HONE CONTINUE	

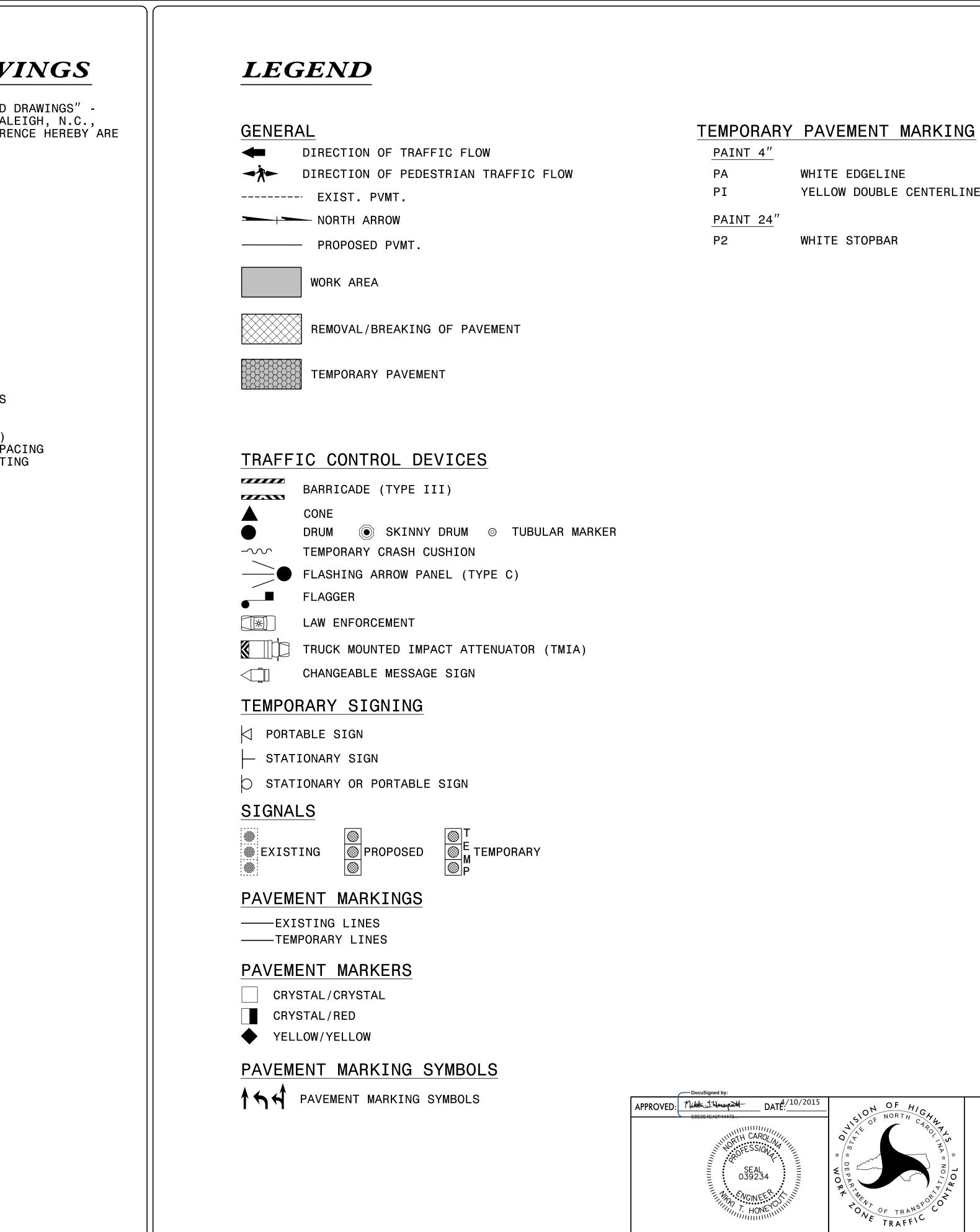
## ROADWAY STANDARD DRAWINGS

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

TITLE

STD.NO.

1101.01 1101.02	
1101.04 1101.05	TEMPORARY SHOULDER CLOSURES WORK ZONE VEHICLE ACCESSES
1101.11	
1110.01	
1110.02	
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY DRUMS
1205.01	
1205.02	
1205.04	
1250.01	
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)
1261.01	
1261.02	
1262.01	GUARDRAIL END DELINEATION



IEET NO.	PROJ. REFERENCE NO.
MP-1A	R-3622B
5	STV/Ralph Whitehead A 900 West Trade St., S Charlotte, NC 282 NC License Number F

YELLOW DOUBLE CENTERLINE

#### ROADWAY STANDARD DRAWINGS & LEGEND

0F LA	OPOSED LANE NE SHI	ONSTRUCTION SUMMARY NC 294 WILL BE CONSTRUCTED USING A COMBINATION CLOSURES UTILZING FLAGGERS AS NEEDED, TRAFFIC FTS UTILIZING PORTABLE CONCRETE BARRIER, TEMPORARY PAVEMENT, Y SHORING AND CULVERT STAGING
(	GEN	IERAL NOTES
DR TO OV SU	AWINGS MEET ERLAPP	MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL , STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED ING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, NTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE
ΤН	E CONS	OWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF TRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN TED BY THE ENGINEER.
TI	ME RES	TRICTIONS
A)	DO NO	T CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:
	ROAD	NAME DAY AND TIME RESTRICTIONS
	NC 294	4 (-L-) MONDAY 7:00 A.M. THRU FRIDAY 8:30 A.M. MONDAY 2:30 P.M. THRU FRIDAY 4:30 P.M.
	THESE SESSI	RESTRICTIONS ONLY APPLY WHEN CHEROKEE COUNTY SCHOOLS ARE IN ON.
B)		T CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL S AS FOLLOWS:
	ROAD	NAME
	NC 294	4 (-L-)
	HOLID	
		AY FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TR VOLUMES, AS DIRECTED BY THE ENGINEER.
	1.	 FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TR
	1. 2.	FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TR VOLUMES, AS DIRECTED BY THE ENGINEER. FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31st TO 4:30 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 4:30 P.M. THE FOLLOW
	1. 2. 3.	FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TR VOLUMES, AS DIRECTED BY THE ENGINEER. FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31st TO 4:30 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 4:30 P.M. THE FOLLOW TUESDAY. FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND
	1. 2. 3. 4.	FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TR VOLUMES, AS DIRECTED BY THE ENGINEER. FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31st TO 4:30 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 4:30 P.M. THE FOLLOW TUESDAY. FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 4:30 P.M. MONDAY. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO
	1. 2. 3. 4.	FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TR. VOLUMES, AS DIRECTED BY THE ENGINEER. FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31st TO 4:30 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 4:30 P.M. THE FOLLOW TUESDAY. FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 4:30 P.M. MONDAY. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 4:30 P.M. TUESDAY. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 4:30 P.M. THE DAY AFTER
	1. 2. 3. 4. 5.	<ul> <li>FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TR. VOLUMES, AS DIRECTED BY THE ENGINEER.</li> <li>FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31st TO 4:30 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 4:30 P.M. THE FOLLOW TUESDAY.</li> <li>FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 4:30 P.M. MONDAY.</li> <li>FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 4:30 P.M. TUESDAY.</li> <li>FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 4:30 P.M. THE DAY AFTER INDEPENDENCE DAY.</li> <li>IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MOND. THEN BETWEEN THE HOURS OF 7:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 4:30 P.M. THE THURSDAY BEFORE INDEPENDENCE DAY.</li> </ul>
	1. 2. 3. 4. 5.	<ul> <li>FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TR. VOLUMES, AS DIRECTED BY THE ENGINEER.</li> <li>FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31st TO 4:30 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 4:30 P.M. THE FOLLOW TUESDAY.</li> <li>FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 4:30 P.M. MONDAY.</li> <li>FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 4:30 P.M. TUESDAY.</li> <li>FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 4:30 P.M. THE DAY AFTER INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MOND. THEN BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 4:30 P.M. THE THURSDAY AFTER INDEPENDENCE DAY.</li> <li>FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY AND</li> </ul>

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.

PAVEMENT EDGE DROP OFF REQUIREMENTS

I) 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.

J) 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

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

#### SIGNING

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

APPROVED: 1 Mikki Monureut DATE: 4/10/2015 SEAL 039234



SHEET NO. TMP-1B

STV/ Ralph Whitehead Associates, Inc. 900 West Trade St., Ste. 715 Charlotte, NC 28202 NC License Number F-0991

#### TRAFFIC BARRIER

N) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRAFFIC 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 TRAFFIC CONTROL 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 TRAFFIC CONTROL PLANS. TEMPORARY BARRIER IS PROTECTING A HAZARD. OR AS DIRECTED BY THE ENGINEER.

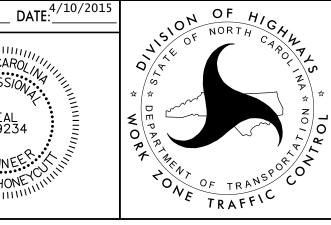
INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

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.

0) 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)

MINIMUM OFFSET
15 FT
20 FT
25 FT
30 FT



#### TRANSPORTATION **OPERATIONS PLAN**

DocuSign Envelope ID: FF76B1E7-80F5-40B0-BB69-11589CAA777C

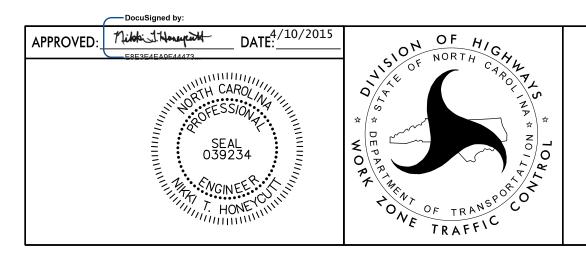
## GENERAL NOTES (CONT.)

#### TRAFFIC CONTROL DEVICES

- P) 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**.
- Q) PLACE TYPE III BARRICADES WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- R) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN OPENED LANES ARE CLOSED TO TRAFFIC.
- S) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING
NC 294 (-L-)	PAINT
(-Y-) LINES	PAINT

- T) 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.
- U) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- V) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.



PROJ. REFERENCE NO. R-3622B

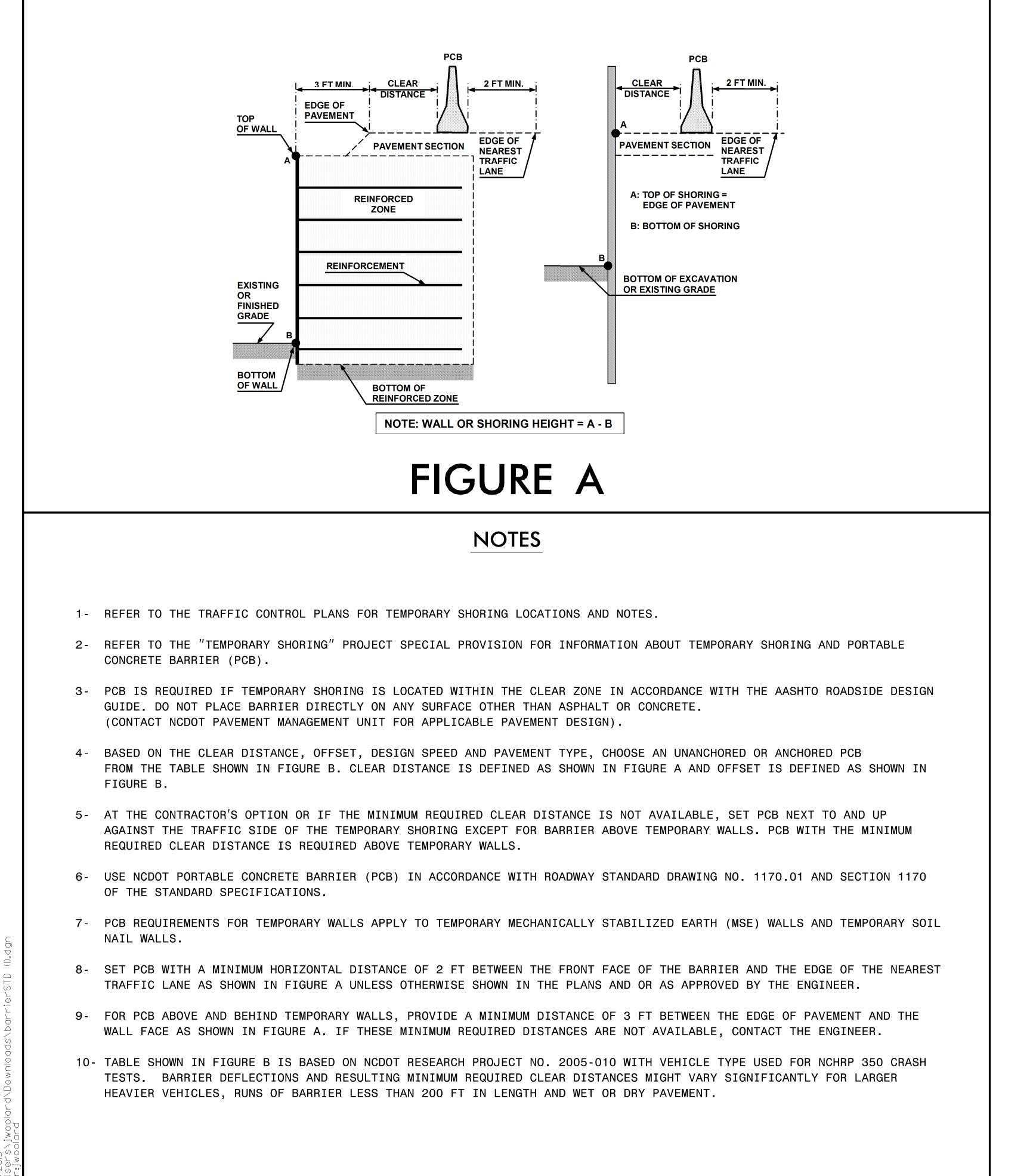
SHEET NO. TMP-1C

STV/ Ralph Whitehead Associates, Inc. 900 West Trade St., Ste. 715 Charlotte, NC 28202 NC License Number F-0991

#### MARKER

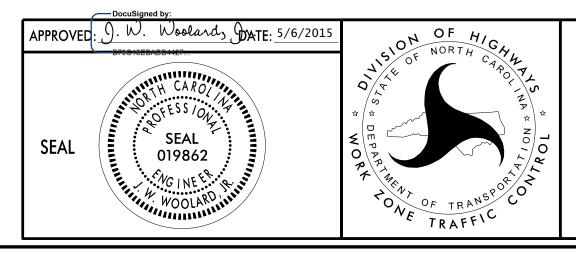
NONE NONE

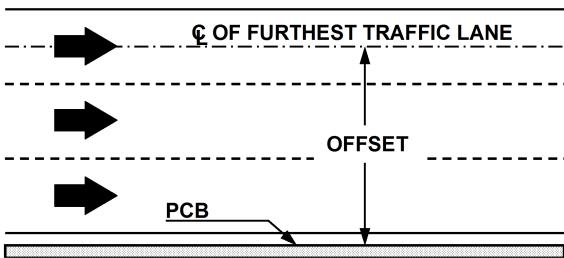
#### TRANSPORTATION OPERATIONS PLAN



								REFERENCE NO.
								R-3622B
		UM REQUI	RED CI					
Barrier	Pavement	Offset *			sign Spe	· _		
Туре	Туре	ft	<30	31-40	41-50	51-60	61-70	71-80
	-	<8	24	26	29	32	36	40
		8-14	26	28	31	35	38	42
	_	14-20	27	29	34	36	39	43
	-	20-26	28	31	35	38	40	44
	Asphalt	26-32	29	32	36	39	42	45
	•	32-38	30	34	38	41	43	46
PCB	-	38-44	31	34	41	43	45	48
PC	-	44-50	31	35	41	43	46	49
þð	-	50-56	32	36	42	44	47	50
Unanchored		>56	32	36	42	45	47	51
che	-	<8	17	18	21	22	25	26
1 U C	_	8-14	19	20	23	25	26	29
n 2	-	14-20	22	22	24	26	28	31
		20-26	23	24	26	27	30	34
	Concrete	26-32	24	25	27	28	32	35
	_	32-38	24	26	27	30	33	36
	-	38-44	25	26	28	30	34	37
		44-50	26	26	28	32	35	37
	_	50-56	26	26	28	32	35	38
		>56	26	27	29	32	36	38
Anchored PCB	Asphalt	All Offsets		24 for All Design Speeds				
Anchored PCB	Concrete (including bridge approach slabs)	All Offsets		12 f	or All D	esign Sp	eeds	







## FIGURE B

PORTABLE CONCRETE BARRIER AT **TEMPORARY SHORING LOCATIONS**  SHORING LOCATION (1) ON -L- AT CULVERT, PHASE I (SEE SHEET TMP-8)

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

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

DESIGN TEMPORARY SHORING FOR THE FOLLOWING ASSUMED SOIL PARAMETERS: UNIT WEIGHT  $(\gamma) = 115$  LB/CF FRICTION ANGLE  $(\phi) = 29$  DEGREES COHESION (c) = 0 LB/SF

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

SHORING LOCATIONS (2) AND (5) ON -L- PHASE II (SEE SHEETS TMP-12, TMP-13 AND TMP-16)

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

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

DESIGN TEMPORARY SHORING FOR THE FOLLOWING ASSUMED SOIL PARAMETERS: UNIT WEIGHT  $(\gamma) = 115$  LB/CF FRICTION ANGLE  $(\phi) = 29$  DEGREES COHESION (c) = 0 LB/SF

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

DO NOT USE CANTILEVER SHORING FOR TEMPORARY SHORING.

R:\Traffic\TrafficContro\\TCP\R3622B\_TC\_TMP\_02A.dgn

## TEMPORARY SHORING DATA

SHORING LOCATIONS (3), (4) AND (6) ON

FOR TEMPORARY SHORING AND POSITIVE PROT PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGNOUND ELEVATIONS IN THE VICINITY OF SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FOR THE FOLLOW UNIT WEIGHT  $(\gamma) = 120$  L FRICTION ANGLE  $(\phi) = 30$ COHESION (c) = 0 LB/SF

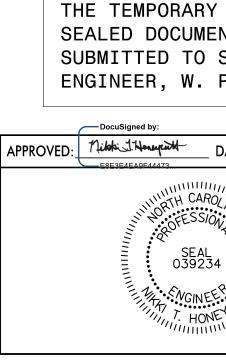
LIMITED SUBSURFACE INFORMATION IS AVAIL SHORING. THE INFORMATION PROVIDED FOR T AND MAY NOT BE APPLICABLE TO THE ACTUAL CONSTRUCTION.

DO NOT USE CANTILEVER SHORING FOR TEMPO

AT THE CONTRACTOR'S OPTION, USE A STAND FROM STATION -L- STA. 79+00, 17' RT TO NO. 1801.02 FOR STANDARD TEMPORARY WALL

AT THE CONTRACTOR'S OPTION, USE A STAND FROM STATION -L- STA. 81+80, 15' RT TO NO. 1801.02 FOR STANDARD TEMPORARY WALL

AT THE CONTRACTOR'S OPTION, USE A STAND FROM STATION -L- STA. 80+88, 17' RT TO NO. 1801.02 FOR STANDARD TEMPORARY WALL



NE TRAFFIC

	PROJ. REFERENCE NO.	SHEET NO.
	R-3622B	TMP-2A
	STV/ Ralph Whitehead A 900 West Trade St., Charlotte, NC 28 NC License Number	Ste. 715 202
-L- PHASE II (SEE SHEETS TMP-13 AND TM	IP-16)	
FECTION FOR TEMPORARY SHORING, SEE		
IGN OR CONSTRUCTION, SURVEY EXISTING HORING LOCATIONS TO DETERMINE ACTUAL		
VING ASSUMED SOIL PARAMETERS: _B/CF ) DEGREES		
ABLE IN THE VICINITY OF TEMPORARY TEMPORARY SHORING DESIGN WAS ASSUMED SITE CONDITIONS ENCOUNTERED DURING		
DRARY SHORING.		
DARD TEMPORARY WALL FOR TEMPORARY SHORI -L- STA. 80+88, 17' RT. SEE STANDARD DR .S.		
DARD TEMPORARY WALL FOR TEMPORARY SHORI -L- STA. 83+50, 15' RT. SEE STANDARD DR _S.		
DARD TEMPORARY WALL FOR TEMPORARY SHOR] -L- STA. 81+80, 17' RT. SEE STANDARD DR _S.		
RY SHORING NOTES SHOWN ON THIS SHEET WINDENT FROM FROEHLING & ROBERTSON, INC. TO STV, INC. ON OCTOBER 31, 2014, AND SU M. PATRICK ALTON, PE, LICENSE #033758.	THE DOCUMENT WAS	
4/10/2015		
$\underline{DATE}_{:\underline{MUU}}^{4/10/2015} \underbrace{OF}_{NORT} \underbrace{OF}_{NORT} \underbrace{OF}_{C_{A}} \underbrace{OF}_{C} \underbrace{OF}_{C}} \underbrace{OF}_{C} \underbrace{OF}_{C} \underbrace{OF}_{C} \underbrace{OF}_{C}} \underbrace{OF}_{C} \underbrace{OF}_{C}} \underbrace{OF}_{C} \underbrace{OF}_{C}} \underbrace{OF}_{C} \underbrace{OF}_{C}} \underbrace{OF}_{C}} \underbrace{OF}_{C} \underbrace{OF}_{C}} \underbrace{OF}_{C} \underbrace{OF}_{C}} \underbrace{OF}_{C}} \underbrace{OF}_{C}} \underbrace{OF}_{C}} \underbrace{OF}_{C} \underbrace{OF}_{C}} \underbrace{OF}_{C}} \underbrace{OF}_{C}} \underbrace{OF}_{C}} \underbrace{OF}_{C}} \underbrace{OF}_{C} \underbrace{OF}_{C}} \underbrace{OF}_{C} \underbrace{OF}_{C}} \underbrace{OF}_{C}} \underbrace{OF}_{C}} \underbrace{OF}_{C} \underbrace{OF}_{C}} \underbrace{OF}_{C}} \underbrace{OF}_{C}} \underbrace{OF}_{C} \underbrace{OF}_{C} \underbrace$		

TEMPORARY	SHORING				
DATA					

<pre>IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 1101.01, SHEE STEP 2 MAINTAINING TRAFFIC ON THE EXISTING ROADWAYS AND USING RS FLAGGERS AS NEEDED, PERFORM THE FOLLOWING AS SHOWN ON TM A) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTE ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFAC RANGES (Y2 &amp; Y3 TO MAKE TEMPORARY TIE WITH TEMPORARY PAVE -L. STA. 11+35 TO STA. 14+99 -L. STA. 24+39 TO STA. 28+25 -L. STA. 63+43 TO STA. 61+04 (INCLUDING DRIVE CONNECTIO -L. STA. 63+43 TO STA. 65+08 -L. STA. 63+43 TO STA. 12+15 -Y3. STA. 10+35 TO STA. 12+15 -Y3. STA. 10+36 TO STA. 12+15 -Y3. STA. 10+36 TO STA. 12+15 -Y3. STA. 10+10 TO 11+47 -Y5. STA. 10+10 TO STA. 11+25 USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SH B) CONSTRUCT TEMPORARY PAVEMENT WIDENING RIGHT OF -L. FOR -L. STA. 62+55 TO STA. 78+85 -L. STA. 79+34 TO STA. 85+71 -L. STA. 86+08 TO STA. 85+71 -L. STA. 11+51 TO STA. 12+76 C) PLACE TEMPORARY PAVEMENT MARKINGS AND PCB WITH CRASH C TEMPORARY SHORING LOCATION NO. 1 AND CONSTRUCT PHASE I OF PAVEMENT FROM -L. STA. 95+00 TO STA. 99+00. D) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTE ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFAC -L. STA. 15+15 TO STA. 12+75 -L. STA. 61+10 TO STA. 63+95 -L. STA. 16+10 TO STA. 63+95 -L. STA. 16+10 TO STA. 11+97 -0R2- STA. 10+10 TO STA. 11+69 -Y1. STA. 10+40 TO STA. 12+02 USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SH E) CONSTRUCT TEMPORARY PAVEMENT WIDENING LEFT OF -L- FOR -Y1TEMP- STA. 12+41 T</pre>	<ul> <li>MAINTAINING TRAFFIC ON THE EXISTING ROADWAYS AND USING RSI FLAGGERS AS NEEDED, PERFORM THE FOLLOWING AS SHOWN ON TMM</li> <li>A) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTER ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE RANGES (Y2 &amp; Y3 TO MAKE TEMPORARY TIE WITH TEMPORARY PAVEN -L. STA. 11+35 TO STA. 14+99</li> <li>-L. STA. 24+39 TO STA. 28+25</li> <li>-L. STA. 60+75 TO STA. 61+04 (INCLUDING DRIVE CONNECTION -L. STA. 60+75 TO STA. 61+04 (INCLUDING BUILDUP OF EXIS -Y2. STA. 60+75 TO STA. 12+15</li> <li>-Y3. STA. 10+36 TO STA. 12+15</li> <li>-Y3. STA. 10+36 TO STA. 12+15</li> <li>-Y3. STA. 10+36 TO STA. 15+65</li> <li>DR6- STA. 10+10 TO 11+47</li> <li>-Y5- STA. 10+00 TO STA. 11+25</li> <li>USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING ROV PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHOW PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHOW PLACE BARRICADES AS SHOWN ONCE PAVEMENT BIGHT OF -L- FOR -L. STA. 62+55 TO STA. 78+85</li> <li>-L. STA. 79+34 TO STA. 85+71</li> <li>-L. STA. 86+08 TO STA. 12+76</li> <li>C) PLACE TEMPORARY PAVEMENT MARKINGS AND PCB WITH CRASH CO TEMPORARY SHORING LOCATION NO. 1 AND CONSTRUCT PHASE I OF PAVEMENT FROM -L. STA. 95+00 TO STA. 99+00.</li> <li>D) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTER ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE -L. STA. 15+15 TO STA. 24+35</li> <li>-L. STA. 81+00 TO STA. 109+50</li> <li>-R1. STA. 10+40 TO STA. 11+97</li> <li>-DR2. STA. 10+25 TO STA. 11+69</li> <li>-Y1. STA. 10+25 TO STA. 11+69</li> <li>-Y1. STA. 10+75 TO STA. 12+102</li> </ul>	NOTE: CONTRACTOR SHALL MAINTAIN ACCE LIMITS AND COORDINATE AS NECESSARY W <u>STEP 1</u>		
<ul> <li>MAINTAINING TRAFFIC ON THE EXISTING ROADWAYS AND USING RS FLAGGERS AS NEEDED, PERFORM THE FOLLOWING AS SHOWN ON TM</li> <li>A) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTE ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFAC RANGES (Y2 &amp; Y3 TO MAKE TEMPORARY TIE WITH TEMPORARY PAVE</li> <li>-L. STA. 11+35 TO STA. 14+99</li> <li>-L. STA. 24+39 TO STA. 28+25</li> <li>-L. STA. 50+75 TO STA. 61+04 (INCLUDING DRIVE CONNECTIO</li> <li>-L. STA. 60+43 TO STA. 65+08</li> <li>-L. STA. 67+72 TO STA. 12+15</li> <li>-Y2. STA. 10+36 TO STA. 12+15</li> <li>-Y3. STA. 10+36 TO STA. 12+15</li> <li>-Y3. STA. 10+36 TO STA. 11+25</li> <li>USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SH</li> <li>B) CONSTRUCT TEMPORARY PAVEMENT WIDENING RIGHT OF -L. FOR</li> <li>-L. STA. 62+55 TO STA. 78+85</li> <li>-L. STA. 79+34 TO STA. 12+76</li> <li>C) PLACE TEMPORARY PAVEMENT MARKINGS AND PCB WITH CRASH C TEMPORARY SHORING LOCATION NO. 1 AND CONSTRUCT PHASE I OF PAVEMENT FROM -L. STA. 95+00 TO STA. 99+00.</li> <li>D) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTER</li> <li>ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFAC</li> <li>-L. STA. 15+15 TO STA. 24+35</li> <li>-L. STA. 15+15 TO STA. 10+50</li> <li>-DR1- STA. 10+40 TO STA. 11+97</li> <li>-OR2- STA. 10+75 TO STA. 11+69</li> <li>-Y1- STA. 10+25 TO STA. 11+69</li> <li>-Y1- STA. 10+75 TO STA. 12+02</li> </ul>	<ul> <li>MAINTAINING TRAFFIC ON THE EXISTING ROADWAYS AND USING RSI FLAGGERS AS NEEDED, PERFORM THE FOLLOWING AS SHOWN ON THE A) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTER ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE RANGES (Y2 &amp; Y3 TO MAKE TEMPORARY TIE WITH TEMPORARY PAVEN -L. STA. 11+35 TO STA. 14+99 -L. STA. 24+39 TO STA. 28+25 -L. STA. 50+75 TO STA. 61+04 (INCLUDING DRIVE CONNECTION -L. STA. 63+43 TO STA. 28+25 (INCLUDING BUILDUP OF EXIS -Y2 STA. 10+36 TO STA. 12+15 -Y3 STA. 10+36 TO STA. 12+15 -Y3 STA. 10+36 TO STA. 15+65 -DR6- STA. 10+10 TO 11+47 -Y5 STA. 10+00 TO STA. 15+65 -DR6- STA. 10+00 TO STA. 11+25</li> <li>USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO/ PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHO B) CONSTRUCT TEMPORARY PAVEMENT WIDENING RIGHT OF -L- FOR -L- STA. 62+55 TO STA. 78+85 -L. STA. 79+34 TO STA. 85+71 -L- STA. 86+08 TO STA. 87+26 -DR7- STA. 11+51 TO STA. 12+76</li> <li>C) PLACE TEMPORARY PAVEMENT MARKINGS AND PCB WITH CRASH CU TEMPORARY SHORING LOCATION NO. 1 AND CONSTRUCT PHASE I OF PAVEMENT FROM -L- STA. 95+00 TO STA. 99+00.</li> <li>D) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTER ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE -L- STA. 15+15 TO STA. 24+35 -L- STA. 15+15 TO STA. 24+35 -L- STA. 10+10 TO STA. 11+97 -DR2- STA. 10+10 TO STA. 11+97 -DR2- STA. 10+10 TO STA. 11+95 -DR3- STA. 10+25 TO STA. 11+96 -Y1 STA. 10+00 TO STA. 11+95 -DR3- STA. 10+25 TO STA. 11+96 -Y1 STA. 10+00 TO STA. 11+97 -DR2- STA. 10+10 TO STA. 11+95 -DR3- STA. 10+25 TO STA. 11+96 -Y1 STA. 10+00 TO STA. 11+97 -DR2- STA. 10+00 TO STA. 11+96 -Y1 STA. 10+00 TO STA. 11+97 -DR2- STA. 10+00 TO STA. 11+96 -Y1 STA. 10+00 TO STA. 11+96 -Y1 STA. 10+00 TO STA. 11+96 -Y1 STA. 10+00 TO STA. 12+02</li> <li>USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO/ PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHOW PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHOW PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHOW PLACE BARRICA</li></ul>			
<ul> <li>A) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTE ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFAC RANGES (Y2 &amp; Y3 TO MAKE TEMPORARY TIE WITH TEMPORARY PAVE</li> <li>-L. STA. 11+35 TO STA. 14+99</li> <li>-L. STA. 24+39 TO STA. 28+25</li> <li>-L. STA. 63+43 TO STA. 65+08</li> <li>-L. STA. 63+43 TO STA. 65+08</li> <li>-L. STA. 63+43 TO STA. 12+725 (INCLUDING DRIVE CONNECTIO)</li> <li>-L. STA. 87+72 TO STA. 90+00</li> <li>-L. STA. 10+36 TO STA. 12+75</li> <li>-Y3. STA. 10+36 TO STA. 12+75</li> <li>-Y3. STA. 10+10 TO 11+47</li> <li>-Y5. STA. 10+00 TO STA. 11+25</li> <li>USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO</li> <li>PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SH</li> <li>B) CONSTRUCT TEMPORARY PAVEMENT WIDENING RIGHT OF -L- FOR</li> <li>-L. STA. 62+55 TO STA. 78+85</li> <li>-L. STA. 79+34 TO STA. 85+71</li> <li>-L. STA. 86+08 TO STA. 87+26</li> <li>-DR7- STA. 11+51 TO STA. 12+76</li> <li>C) PLACE TEMPORARY PAVEMENT MARKINGS AND PCB WITH CRASH C</li> <li>TEMPORARY SHORING LOCATION NO. 1 AND CONSTRUCT PHASE I OF PAVEMENT FROM -L- STA. 95+00 TO STA. 99+00.</li> <li>D) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTER</li> <li>ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE</li> <li>-L. STA. 10+10 TO STA. 11+97</li> <li>-DR2-STA. 10+10 TO STA. 11+97</li> <li>-DR3-STA. 10+25 TO STA. 11+97</li> <li>-DR3-STA. 10+10 TO STA. 11+25</li> <li>-DR3- STA. 10+10 TO STA. 11+20</li> <li>USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SH</li> <li>E) CONSTRUCT TEMPORARY PAVEMENT WIDENING LEFT OF -L- FOR -Y1TEMP- STA. 12+41 TO STA. 13+84</li> </ul>	<ul> <li>A) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTER ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE RANGES (Y2 &amp; Y3 TO MAKE TEMPORARY TIE WITH TEMPORARY PAVEN -L- STA. 11+35 TO STA. 14+99 -L- STA. 24+39 TO STA. 28+25 -L- STA. 63+43 TO STA. 65+08 -L- STA. 63+43 TO STA. 65+08 -L- STA. 63+63 TO STA. 12+25 (INCLUDING BUILDUP OF EXIS -Y2- STA. 10+36 TO STA. 12+25 (INCLUDING BUILDUP OF EXIS -Y2- STA. 10+36 TO STA. 12+56 -DR6- STA. 10+10 TO 11+47 -Y5- STA. 10+00 TO STA. 11+25</li> <li>USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING ROJ PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHO B) CONSTRUCT TEMPORARY PAVEMENT WIDENING RIGHT OF -L- FOR -L- STA. 62+55 TO STA. 78+85 -L- STA. 79+34 TO STA. 85+71 -L- STA. 86+08 TO STA. 12+76</li> <li>C) PLACE TEMPORARY PAVEMENT MARKINGS AND PCB WITH CRASH CO TEMPORARY SHORING LOCATION NO. 1 AND CONSTRUCT PHASE I OF PAVEMENT FROM -L- STA. 95+00 TO STA. 99+00.</li> <li>D) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTER ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE -L- STA. 15+15 TO STA. 24+35 -L- STA. 16+10 TO STA. 11+97 -OP2- STA. 10+40 TO STA. 11+97 -OP2- STA. 10+10 TO STA. 11+90 -Y1 STA. 10+00 TO STA. 13+01 -Y1 STA. 10+75 TO STA. 12+02</li> </ul>		ROADWAYS AND USIN	G RSE
<ul> <li>-L- STA. 24+39 TO STA. 28+25</li> <li>-L- STA. 50+75 TO STA. 61+04 (INCLUDING DRIVE CONNECTIO</li> <li>-L- STA. 63+43 TO STA. 90+00</li> <li>-L- STA. 99+00 TO STA. 12+15 (INCLUDING BUILDUP OF EXI</li> <li>-Y2- STA. 10+36 TO STA. 12+15</li> <li>-Y3- STA. 10+36 TO STA. 12+15</li> <li>-Y3- STA. 10+10 TO 11+47</li> <li>-Y5- STA. 10+00 TO STA. 11+25</li> </ul> USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SH B) CONSTRUCT TEMPORARY PAVEMENT WIDENING RIGHT OF -L- FOR <ul> <li>-L- STA. 62+55 TO STA. 78+85</li> <li>-L- STA. 79+34 TO STA. 85+71</li> <li>-L- STA. 86+08 TO STA. 72+76</li> </ul> C) PLACE TEMPORARY PAVEMENT MARKINGS AND PCB WITH CRASH C TEMPORARY SHORING LOCATION NO. 1 AND CONSTRUCT PHASE I OF PAVEMENT FROM -L- STA. 95+00 TO STA. 99+00. D) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS & GUTTE ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFAC <ul> <li>-L- STA. 15+15 TO STA. 12+75</li> <li>-L- STA. 61+10 TO STA. 199+50</li> <li>-DR1- STA. 10+40 TO STA. 11+97</li> <li>-DR2- STA. 10+75 TO STA. 11+97</li> <li>-DR2- STA. 10+75 TO STA. 12+02</li> </ul> USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SH E) CONSTRUCT TEMPORARY PAVEMENT MARKINGING EFT OF -L- FOR <ul> <li>-Y1- STA. 10+75 TO STA. 12+02</li> </ul> USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SH E) CONSTRUCT TEMPORARY PAVEMENT WIDENING LEFT OF -L- FOR <ul> <li>-Y1TEMP- STA. 12+41 TO STA. 13+84</li> </ul> E) CONSTRUCT TEMPORARY PAVEMENT WIDENING LEFT OF -L- FOR <ul> <li>-Y1TEMP- STA. 12+41 TO STA. 13+84</li> </ul>	<ul> <li>L- STA. 24+39 TO STA. 28+25</li> <li>L- STA. 50+75 TO STA. 61+04 (INCLUDING DRIVE CONNECTION -L- STA. 63+43 TO STA. 90+00</li> <li>L- STA. 72 TO STA. 90+00</li> <li>L- STA. 10+36 TO STA. 12+15</li> <li>Y2- STA. 10+36 TO STA. 12+15</li> <li>Y3- STA. 10+36 TO STA. 12+15</li> <li>Y3- STA. 10+10 TO 11+47</li> <li>Y5- STA. 10+00 TO STA. 11+25</li> </ul> USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO/ PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHO B) CONSTRUCT TEMPORARY PAVEMENT WIDENING RIGHT OF -L- FOR -L- STA. 62+55 TO STA. 78+85 <ul> <li>L- STA. 62+55 TO STA. 78+85</li> <li>L- STA. 79+34 TO STA. 85+71</li> <li>L- STA. 86+08 TO STA. 12+76</li> </ul> C) PLACE TEMPORARY PAVEMENT MARKINGS AND PCB WITH CRASH CO TEMPORARY SHORING LOCATION NO. 1 AND CONSTRUCT PHASE I OF PAVEMENT FROM -L- STA. 95+00 TO STA. 99+00. D) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS & GUTTER ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE -L- STA. 15+15 TO STA. 24+35 <ul> <li>L- STA. 15+15 TO STA. 109+50</li> <li>DR1- STA. 10+40 TO STA. 11+27</li> <li>OP2- STA. 10+10 TO STA. 11+27</li> <li>OP2- STA. 10+10 TO STA. 11+25</li> <li>OP3- STA. 10+75 TO STA. 12+02</li> </ul>	A) CONSTRUCT PROPOSED WIDENING, GRAD ROADWAY UP TO BUT NOT INCLUDING THE	ING AND CURBS & G FINAL LAYER OF SU	
<ul> <li>USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING ROPLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHOWN ONCE THE PAVEMENT TO STA. 62+55 TO STA. 78+85</li> <li>-L- STA. 62+55 TO STA. 78+85</li> <li>-L- STA. 79+34 TO STA. 85+71</li> <li>-L- STA. 86+08 TO STA. 87+26</li> <li>-DR7- STA. 11+51 TO STA. 12+76</li> <li>C) PLACE TEMPORARY PAVEMENT MARKINGS AND PCB WITH CRASH C TEMPORARY SHORING LOCATION NO. 1 AND CONSTRUCT PHASE I OF PAVEMENT FROM -L- STA. 95+00 TO STA. 99+00.</li> <li>D) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTE ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE -L- STA. 15+15 TO STA. 24+35</li> <li>-L- STA. 15+15 TO STA. 24+35</li> <li>-L- STA. 61+10 TO STA. 50+75</li> <li>-L- STA. 87+40 TO STA. 95+00</li> <li>-L- STA. 10+40 TO STA. 109+50</li> <li>-DR1- STA. 10+40 TO STA. 11+97</li> <li>-DR2- STA. 10+10 TO STA. 11+25</li> <li>-DR3- STA. 10+25 TO STA. 11+69</li> <li>-Y1- STA. 10+75 TO STA. 12+02</li> </ul> USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING ROPLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SH E) CONSTRUCT TEMPORARY PAVEMENT WIDENING LEFT OF -L- FOR <ul> <li>-Y1TEMP- STA. 12+41 TO STA. 13+84</li> </ul>	<ul> <li>USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO/PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHOWN</li> <li>B) CONSTRUCT TEMPORARY PAVEMENT WIDENING RIGHT OF -L- FOR</li> <li>-L- STA. 62+55 TO STA. 78+85</li> <li>-L- STA. 79+34 TO STA. 85+71</li> <li>-L- STA. 86+08 TO STA. 87+26</li> <li>-DR7- STA. 11+51 TO STA. 12+76</li> <li>C) PLACE TEMPORARY PAVEMENT MARKINGS AND PCB WITH CRASH CUTEMPORARY SHORING LOCATION NO. 1 AND CONSTRUCT PHASE I OF PAVEMENT FROM -L- STA. 95+00 TO STA. 99+00.</li> <li>D) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTER ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE</li> <li>-L- STA. 15+15 TO STA. 24+35</li> <li>-L- STA. 61+10 TO STA. 63+95</li> <li>-L- STA. 87+40 TO STA. 109+50</li> <li>-DR1- STA. 10+40 TO STA. 11+97</li> <li>-DR2- STA. 10+125 TO STA. 11+69</li> <li>-Y1- STA. 10+75 TO STA. 12+02</li> </ul> USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO/PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHOW	-L- STA. 24+39 TO STA. 28+25 -L- STA. 50+75 TO STA. 61+04 (INCL -L- STA. 63+43 TO STA. 65+08 -L- STA. 87+72 TO STA. 90+00 -L- STA. 99+00 TO STA. 127+25 (INC -Y2- STA. 10+36 TO STA. 12+15 -Y3- STA. 10+35 TO STA. 15+65 -DR6- STA. 10+10 TO 11+47		
<ul> <li>B) CONSTRUCT TEMPORARY PAVEMENT WIDENING RIGHT OF -L- FOR -L- STA. 62+55 TO STA. 78+85 -L- STA. 79+34 TO STA. 85+71 -L- STA. 86+08 TO STA. 87+26 -DR7- STA. 11+51 TO STA. 12+76</li> <li>C) PLACE TEMPORARY PAVEMENT MARKINGS AND PCB WITH CRASH C TEMPORARY SHORING LOCATION NO. 1 AND CONSTRUCT PHASE I OF PAVEMENT FROM -L- STA. 95+00 TO STA. 99+00.</li> <li>D) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTE ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFAC</li> <li>-L- STA. 15+15 TO STA. 24+35 -L- STA. 28+00 TO STA. 50+75 -L- STA. 61+10 TO STA. 63+95 -L- STA. 87+40 TO STA. 109+50 -DR1- STA. 10+40 TO STA. 11+97 -DR2- STA. 10+40 TO STA. 11+69 -Y1- STA. 10+00 TO STA. 11+69 -Y1- STA. 10+00 TO STA. 12+02</li> <li>USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SH E) CONSTRUCT TEMPORARY PAVEMENT WIDENING LEFT OF -L- FOR -Y1TEMP- STA. 12+41 TO STA. 13+84</li> </ul>	<ul> <li>B) CONSTRUCT TEMPORARY PAVEMENT WIDENING RIGHT OF -L- FOR <ul> <li>L- STA. 62+55 TO STA. 78+85</li> <li>L- STA. 79+34 TO STA. 85+71</li> <li>L- STA. 86+08 TO STA. 87+26</li> <li>DR7- STA. 11+51 TO STA. 12+76</li> </ul> </li> <li>C) PLACE TEMPORARY PAVEMENT MARKINGS AND PCB WITH CRASH CU TEMPORARY SHORING LOCATION NO. 1 AND CONSTRUCT PHASE I OF PAVEMENT FROM -L- STA. 95+00 TO STA. 99+00.</li> <li>D) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTEF ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACH <ul> <li>L- STA. 15+15 TO STA. 24+35</li> <li>L- STA. 28+00 TO STA. 50+75</li> <li>L- STA. 87+40 TO STA. 63+95</li> <li>L- STA. 10+10 TO STA. 11+97</li> <li>DR2- STA. 10+40 TO STA. 11+97</li> <li>DR2- STA. 10+10 TO STA. 11+69</li> <li>Y1- STA. 10+00 TO STA. 12+02</li> </ul> </li> <li>USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO/ PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHOW</li> <li>E) CONSTRUCT TEMPORARY PAVEMENT WIDENING LEFT OF -L- FOR <ul> <li>Y1TEMP- STA. 12+41 TO STA. 13+84</li> </ul> </li> </ul>	USE WEDGING AS NECESSARY TO MAINTAIN		
<ul> <li>TÉMPORARY SHORING LOCATION NO. 1 AND CONSTRUCT PHASE I OF PAVEMENT FROM -L- STA. 95+00 TO STA. 99+00.</li> <li>D) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTE ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFAC</li> <li>-L- STA. 15+15 TO STA. 24+35</li> <li>-L- STA. 28+00 TO STA. 50+75</li> <li>-L- STA. 61+10 TO STA. 63+95</li> <li>-L- STA. 61+10 TO STA. 63+95</li> <li>-L- STA. 87+40 TO STA. 109+50</li> <li>-DR1- STA. 10+40 TO STA. 11+97</li> <li>-DR2- STA. 10+10 TO STA. 11+25</li> <li>-DR3- STA. 10+25 TO STA. 11+69</li> <li>-Y1- STA. 10+75 TO STA. 12+02</li> </ul> USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SH E) CONSTRUCT TEMPORARY PAVEMENT WIDENING LEFT OF -L- FOR -Y1TEMP- STA. 12+41 TO STA. 13+84	<ul> <li>TÉMPORARY SHORING LOCATION NO. 1 AND CONSTRUCT PHASE I OF PAVEMENT FROM -L- STA. 95+00 TO STA. 99+00.</li> <li>D) CONSTRUCT PROPOSED WIDENING, GRADING AND CURBS &amp; GUTTER ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE -L- STA. 15+15 TO STA. 24+35 -L- STA. 28+00 TO STA. 50+75 -L- STA. 61+10 TO STA. 63+95 -L- STA. 61+10 TO STA. 63+95 -L- STA. 87+40 TO STA. 109+50 -DR1- STA. 10+40 TO STA. 11+97 -DR2- STA. 10+10 TO STA. 11+25 -DR3- STA. 10+25 TO STA. 11+69 -Y1- STA. 10+75 TO STA. 13+01 -Y4- STA. 10+75 TO STA. 12+02</li> <li>USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING ROAPLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHOW</li> <li>E) CONSTRUCT TEMPORARY PAVEMENT WIDENING LEFT OF -L- FOR -Y1TEMP- STA. 12+41 TO STA. 13+84</li> </ul>	-L- STA. 62+55 TO STA. 78+85 -L- STA. 79+34 TO STA. 85+71 -L- STA. 86+08 TO STA. 87+26	NING RIGHT OF -L-	FOR
ROADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFAC -L- STA. 15+15 TO STA. 24+35 -L- STA. 28+00 TO STA. 50+75 -L- STA. 61+10 TO STA. 63+95 -L- STA. 87+40 TO STA. 95+00 -L- STA. 99+00 TO STA. 109+50 -DR1- STA. 10+40 TO STA. 11+97 -DR2- STA. 10+10 TO STA. 11+25 -DR3- STA. 10+25 TO STA. 11+69 -Y1- STA. 10+00 TO STA. 13+01 -Y4- STA. 10+75 TO STA. 12+02 USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SH E) CONSTRUCT TEMPORARY PAVEMENT WIDENING LEFT OF -L- FOR -Y1TEMP- STA. 12+41 TO STA. 13+84	RÓADWAY UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE -L- STA. 15+15 TO STA. 24+35 -L- STA. 28+00 TO STA. 50+75 -L- STA. 61+10 TO STA. 63+95 -L- STA. 87+40 TO STA. 95+00 -L- STA. 99+00 TO STA. 109+50 -DR1- STA. 10+40 TO STA. 11+97 -DR2- STA. 10+10 TO STA. 11+25 -DR3- STA. 10+25 TO STA. 11+69 -Y1- STA. 10+00 TO STA. 13+01 -Y4- STA. 10+75 TO STA. 12+02 USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING ROA PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHO E) CONSTRUCT TEMPORARY PAVEMENT WIDENING LEFT OF -L- FOR - -Y1TEMP- STA. 12+41 TO STA. 13+84	TEMPORARY SHORING LOCATION NO. 1 AND	CONSTRUCT PHASE	
-L- STA. 28+00 TO STA. 50+75 -L- STA. 61+10 TO STA. 63+95 -L- STA. 87+40 TO STA. 95+00 -L- STA. 99+00 TO STA. 109+50 -DR1- STA. 10+40 TO STA. 11+97 -DR2- STA. 10+10 TO STA. 11+25 -DR3- STA. 10+25 TO STA. 11+69 -Y1- STA. 10+00 TO STA. 13+01 -Y4- STA. 10+75 TO STA. 12+02 USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING RO PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SH E) CONSTRUCT TEMPORARY PAVEMENT WIDENING LEFT OF -L- FOR -Y1TEMP- STA. 12+41 TO STA. 13+84	-L- STA. 28+00 TO STA. 50+75 -L- STA. 61+10 TO STA. 63+95 -L- STA. 87+40 TO STA. 95+00 -L- STA. 99+00 TO STA. 109+50 -DR1- STA. 10+40 TO STA. 11+97 -DR2- STA. 10+10 TO STA. 11+25 -DR3- STA. 10+25 TO STA. 11+69 -Y1- STA. 10+00 TO STA. 13+01 -Y4- STA. 10+75 TO STA. 12+02 USE WEDGING AS NECESSARY TO MAINTAIN TIE WITH EXISTING ROA PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHO E) CONSTRUCT TEMPORARY PAVEMENT WIDENING LEFT OF -L- FOR - -Y1TEMP- STA. 12+41 TO STA. 13+84	,		
PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SH E) CONSTRUCT TEMPORARY PAVEMENT WIDENING LEFT OF -L- FOR -Y1TEMP- STA. 12+41 TO STA. 13+84	PLACE BARRICADES AS SHOWN ONCE PAVEMENT IS IN PLACE AS SHO E) CONSTRUCT TEMPORARY PAVEMENT WIDENING LEFT OF -L- FOR -Y1TEMP- STA. 12+41 TO STA. 13+84	-L- STA. 28+00 TO STA. 50+75 -L- STA. 61+10 TO STA. 63+95 -L- STA. 87+40 TO STA. 95+00 -L- STA. 99+00 TO STA. 109+50 -DR1- STA. 10+40 TO STA. 11+97 -DR2- STA. 10+10 TO STA. 11+25 -DR3- STA. 10+25 TO STA. 11+69 -Y1- STA. 10+00 TO STA. 13+01		
-Y1TEMP- STA. 12+41 TO STA. 13+84	-Y1TEMP- STA. 12+41 TO STA. 13+84		-	
- UKSIEMP - SIA. 10+00 IU SIA. 11+12		-Y1TEMP- STA. 12+41 TO STA. 13+84		FOR T

R:\I raffic\I rafficContro\\I CP\R3622B\_I C\_I MP\_03.dgn

### PHASING NOTES

## PHASE II

ASES WITHIN THE PROJECT

I THE PROJECT LIMITS OF 3.

01.02 SHEET 1 OF 15 AND HROUGH TMP-9:

HT OF -L- TO THE EDGE OF EXISTING RSE FOR THE FOLLOWING STATION

57+25)

A PAVEMENT FROM -L- STA. 99+00 TO STA. 112+00)

AND PROVIDE POSITIVE DRAINAGE.

FOLLOWING STATION RANGES:

ONS AS SHOWN ON TMP-8. INSTALL POSED CULVERT. CONSTRUCT TEMPORARY

T OF -L- TO THE EDGE OF EXISTING IRSE FOR THE FOLLOWING STATION RANGES: NOTE: WORK IN A CONTINUOUS MANNER TO COMPLETE STEPS 1 STEP 1

COMPLETE THE WORK REQUIRED IN PHASE 2, STEP 1 IN SE CALENDAR DAYS (SEE INTERMEDIATE CONTRACT TIME AND L

WITH PHASE 1 CULVERT AND WEST SIDE ROADWAY APPROACH CONS FLAGGERS AS NEEDED, PERFORM THE FOLLOWING AS SHOWN ON

A) TIE THE EXISTING ROADWAY TO THE NEWLY CONSTRUCTED WIN -L- STA. 95+00 TO STA. 99+00

B) RELOCATE PCB FROM PHASE 1 TO LEFT SIDE OF SHORING LOC

C) INSTALL AND COVER TEMPORARY TRAFFIC SIGNALS ON EACH (-L- STA. 95+13 & 98+64 RESPECTIVELY)

D) PLACE TEMPORARY PAVEMENT MARKINGS AS SHOWN ON TMP-14, INSET 1. BRING SIGNAL ONLINE AND SHIFT TRAFFIC TO THE WEST SIDE OF EXISTING NC 294 IN A ONE-LANE, TWO-WAY PATTERN. PLACE BARRICADES AS SHOWN TO CLOSE UPPER ENTRANCE TO PARKING LOT. (STA. 93+50, LT)

E) COMPLETE CONSTRUCTION OF PROPOSED CULVERT AND CONSTRUCT TEMPORARY PAVEMENT FROM -L- STA. 95+00 TO STA. 99+00.

F) ONCE COMPLETE REMOVE TEMPORARY SIGNAL, MODIFY TEMPORARY MARKINGS AS SHOWN ON TMP-14 AND PLACE TRAFFIC INTO A 2-LANE, 2-WAY PATTERN.

<u>STEP 2</u>

MAINTAINING TRAFFIC ON THE EXISTING ROADWAY AND USING RSD 1101.02 SHEET 1 OF 15 AND FLAGGERS AS NEEDED PERFORM THE FOLLOWING:

A) TIE THE EXISTING ROADWAY TO THE NEWLY CONSTRUCTED WIDENED / TEMPORARY PAVEMENT SECTIONS USING WEDGING AS NECESSARY FROM -L- 11+35 TO 90+36 & -Y1- SHIFT TO -Y1TEMP-, TIES @ -Y2- AND -Y3-. PLACE BARRICADES AS SHOWN ON TMP-13 TO CHANNEL CHURCH DRIVEWAY TO -DR6-.

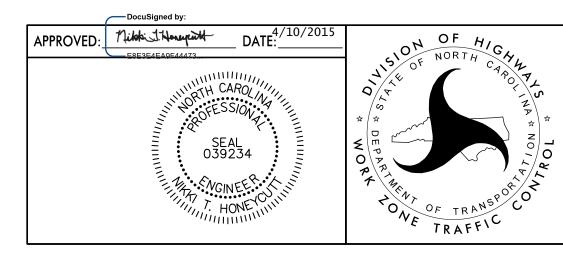
B) CONSTRUCT BUILDUP OF EXISTING PAVEMENT FROM -L- STA. 95+00 TO STA. 99+00.

C) PLACE TEMPORARY PAVEMENT MARKINGS AS SHOWN ON TMP-10 THRU TMP-15. PLACE TEMPORARY PAVEMENT MARKERS ACCORDING TO ROADWAY STANDARD DRAWING 1250.01.

D) SHIFT TRAFFIC TO A TWO-WAY, TWO-LANE PATTERN AS SHOWN ON TMP-10 THRU TMP-15, TYING BACK TO THE EXISTING ROADWAY MARKINGS JUST PAST CROWE RD.

AND PROVIDE POSITIVE DRAINAGE.

OLLOWING STATION RANGES:



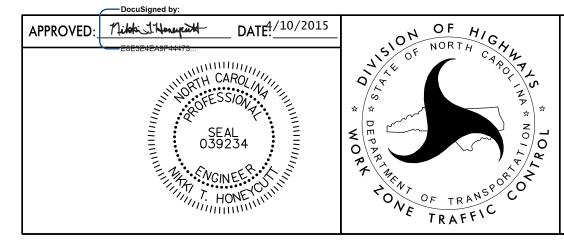
	PROJ. REFERENCE NO.	SHEET NO.			
	R-3622B	TMP-3			
	STV/ Ralph Whitehead Associates, Inc. 900 West Trade St., Ste. 715 Charlotte, NC 28202 NC License Number F-0991				
& 2.					
EVENTY FIVE (75) CONSECUTIVE _IQUIDATED DAMAGES).					
STRUCTED, USING RSD 1101.02 SH TMP-14, INSET 1:	EET 1 OF 15 AND				
DENED SECTIONS USING WEDGING AS	NECESSARY FROM				
CATION NO. 1 FROM 95+69 TO 97+95 AND CRASH CUSHIONS.					
SIDE OF THE PROPOSED CULVERT CON	STRUCTION.				
TNEET 1 BRING STONAL ONLINE	AND SHIFT TRAFFI				

TEMPORARY TRAFFIC CONTROL PHASING

## PHASE II (CONT.

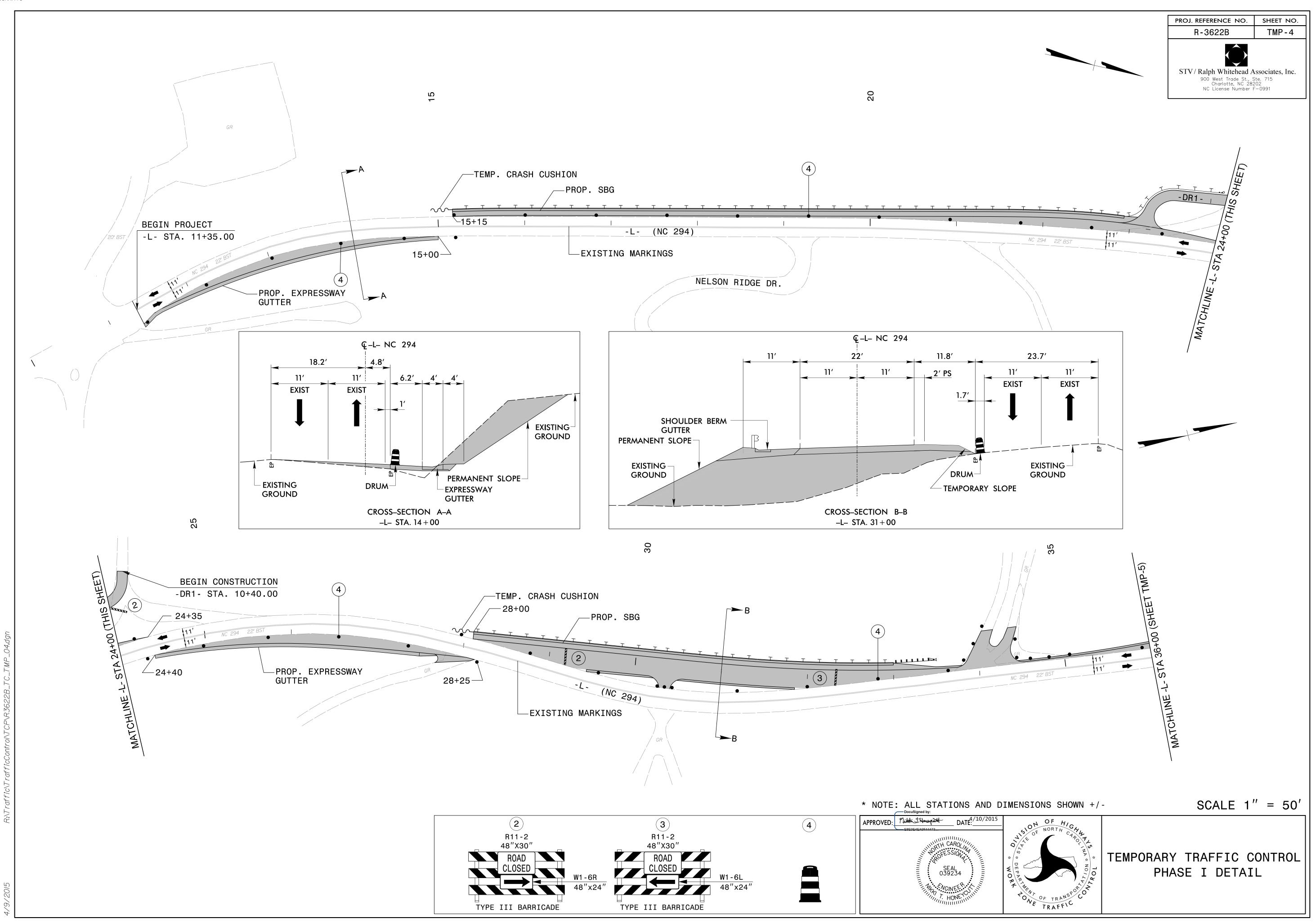
<u>STEP 3</u> USING RSD 1101.02 SHEET 1 OF 15 AND FLAGGERS AS NEEDED, PERI A) CONSTRUCT PROPOSED EXPRESSWAY GUTTER RIGHT OF -L- FROM B) PERFORM PAVEMENT REMOVAL AND OR BREAKING RIGHT OF -L- FRO AND LEFT OF -L- FROM STA. 50+71 TO 61+08 AS SHOWN ON TMP-11. C) PLACE BARRICADES AS SHOWN ON TMP-12 AND CONSTRUCT ROADWAY D) INSTALL TEMPORARY PCB AND CRASH CUSHION FOR THE FOLLOWING -L- STA. 73+25 TO STA. 80+80 -L- STA. 81+56 TO STA. 84+00 E) CONSTRUCT PROPOSED EXPRESSWAY GUTTER AND PAVEMENT BUILDUP AS SHOWN ON TMP-14. F) CONSTRUCT PROPOSED EXPRESSWAY GUTTER FROM -L- STA. 114+50 G) CONSTRUCT PROPOSED -DR7- STA. 10+50 TO STA. 12+75 <u>STEP 4</u> AWAY FROM TRAFFIC PERFORM THE FOLLOWING: A) INSTALL TEMPORARY SHORING LOCATIONS 2, 3 & 4 AS SHOWN ON B) CONSTRUCT PROPOSED ROADWAY FROM -L- STA. 73+23 TO STA. 80+ C) CONSTRUCT TEMPORARY TIE FROM -Y1- TO TEMPORARY PAVEMENT A MARKINGS AS SHOWN ON TMP-12. <u>STEP 5</u> USING RSD 1101.02 SHEET 1 OF 15 AND FLAGGERS AS NEEDED PERFORM THE FOLLOWING AS SHOWN ON TMP-12: A) SHIFT TRAFFIC ON -Y1- ONTO TEMPORARY TIE IN. B) REMOVE EXISTING PAVEMENT AS SHOWN ON TMP-12 ALONG -Y1- RADFORD RD. <u>STEP 6</u> USING RSD 1101.02 SHEET 1 OF 15 AND FLAGGERS AS NEEDED PERFORM THE FOLLOWING AS SHOWN ON TMP-16: A) SHIFT TRAFFIC ON -Y1-TEMP ONTO TEMPORARY Y1. B) CONSTRUCT REMAINDER OF -L- FROM STA. 71+73 TO STA. 73+23. C) REMOVE WATER BARRIER AND CONSTRUCT TEMPORARY DRIVEWAY AT -L- STA. 78+40. D) SHIFT TRAFFIC ON DR5TEMP ONTO DR5. C) INSTALL TEMPORARY SHORING, PLACE BARRICADES AND CONSTRUCT REMAINDER OF -L- STA. 80+50 TO 82+00.

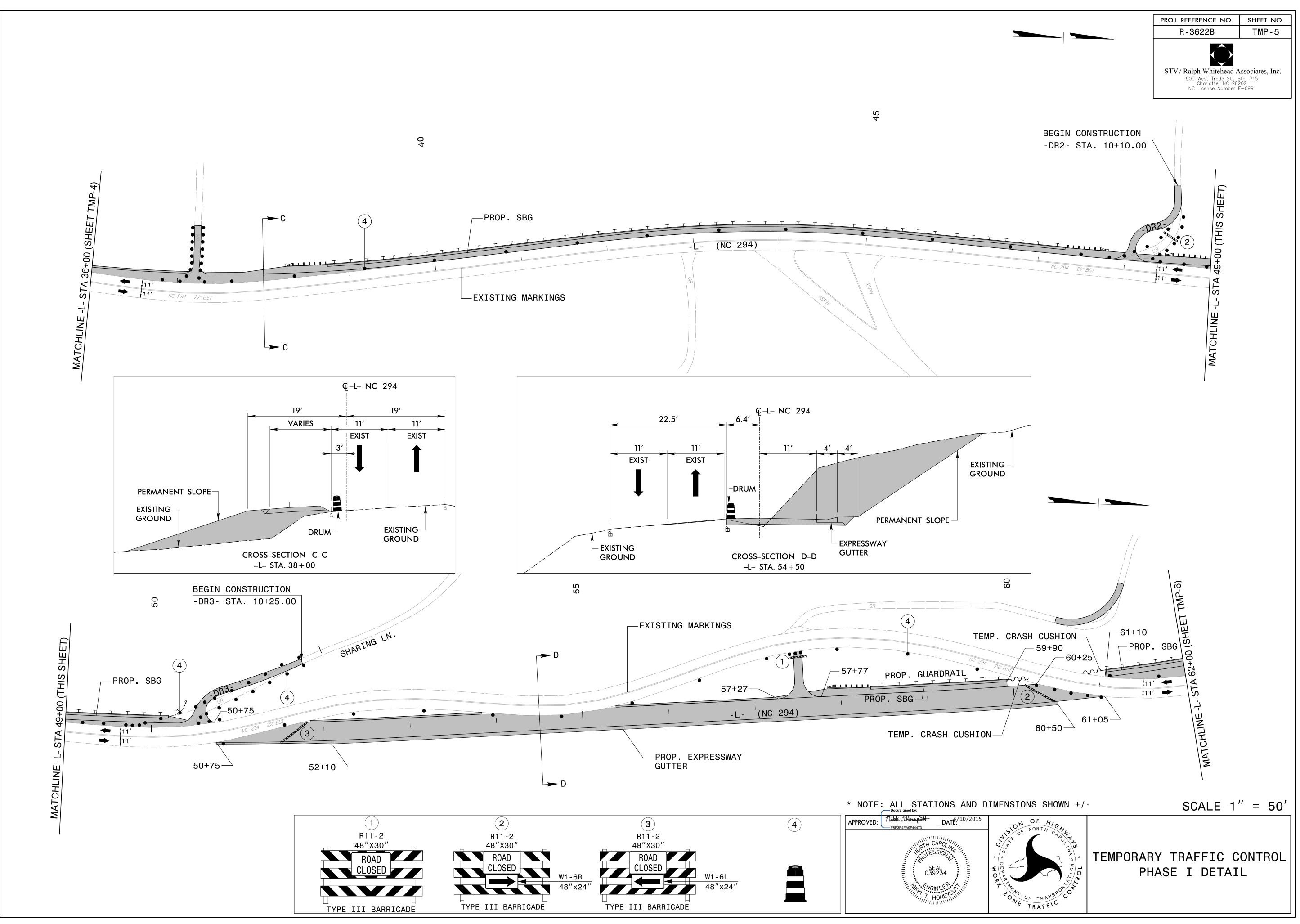
		PROJ. REFERENCE NO.	SHEET NO
		R-3622B	TMP-3
PHASING NOTES	(CONTINUED)		
)	PHASE III	STV/Ralph Whitehead 2 900 West Trade St., Charlotte, NC 28 NC License Number	Associates, Ind Ste. 715 8202 F-0991
RFORM THE FOLLOWING:	NOTE: WORK IN A CONTINUOUS MANNER TO COMPLETE STEPS 1 & 2.		
STA. 14+99 TO 20+50 AS SHOWN ON TMP-10.	<u>STEP 1</u> AWAY FROM TRAFFIC PLACE TEMPORARY PAVEMENT MARKINGS AS SHOWN ON TMP-17. PLACE TEMPORARY		
OM STA. 28+04 TO STA. 39+77 AS SHOWN ON TMP-10	PAVEMENT MARKERS ACCORDING TO ROADWAY STANDARD DRAWING 1250.01.		
′ FROM -L- STA. 65+08 TO 71+73.	USING RSD 1101.02 SHEET 1 OF 15 AND FLAGGERS AND WEDGING AS NEEDED PERFORM THE FO TMP-17:	LLOWING AS SHOWN	ON
IG STATION RANGES AS SHOWN ON TMP-12 & TMP-13:	A) INSTALL PCB FROM -L- STA. 73+14 TO STA. 77+98 AND FROM STA. 78+79 TO 84+00 ON NEWLY CONSTRUCTED -L- AND CRASH CUSHIONS.  PCB TO BE REMOVED AS SOON AS NO OBSTACLE OR FILL WARRANTS ARE PRESENT.		
	B) REMOVE BARRICADES AND SHIFT TRAFFIC ONTO NEWLY CONSTRUCTED -L PLACE BARRICADES AS SHOWN TO REDIRECT TRAFFIC AWAY FROM TEMPORARY ALIGNMENTS AS SHOWN ON TMP-17.		
P FROM -L- STA. 90+00 TO STA. 100+00	C) CONSTRUCT REMAINDER OF ROADWAY SECTION RIGHT OF -L- FROM STA. 70+25 TO STA. 87+72. TEMPORARY SHORING LOCATIONS 2, 3 & 4 TO BE REMOVED.		
50 TO STA. 126+25 AS SHOWN ON TMP-15.	D) COMPLETE TIE OF -Y2- TO NEWLY CONSTRUCTED -L- FROM STA. 77+98 TO STA. 78+79.		
	E) COMPLETE TIE OF -Y3- TO NEWLY CONSTRUCTED -L- FROM STA. 84+00 TO STA. 84+76.		
	STEP 3		
TMP-12 & TMP-13.	USING RSD 1101.02 SHEET 1 OF 15 AND FLAGGERS AS NEEDED, PLACE FINAL LAYER OF SURF. PAVEMENT MARKINGS ON PROPOSED ALIGNMENTS (SEE FINAL PAVEMENT MARKING PLANS).	ACE COURSE AND FI	INAL
+50 AND STA. 82+00 TO STA. 87+49.	STEP 4		
T -L- STA. 70+50 AND INSTALL TEMPORARY	REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES.		



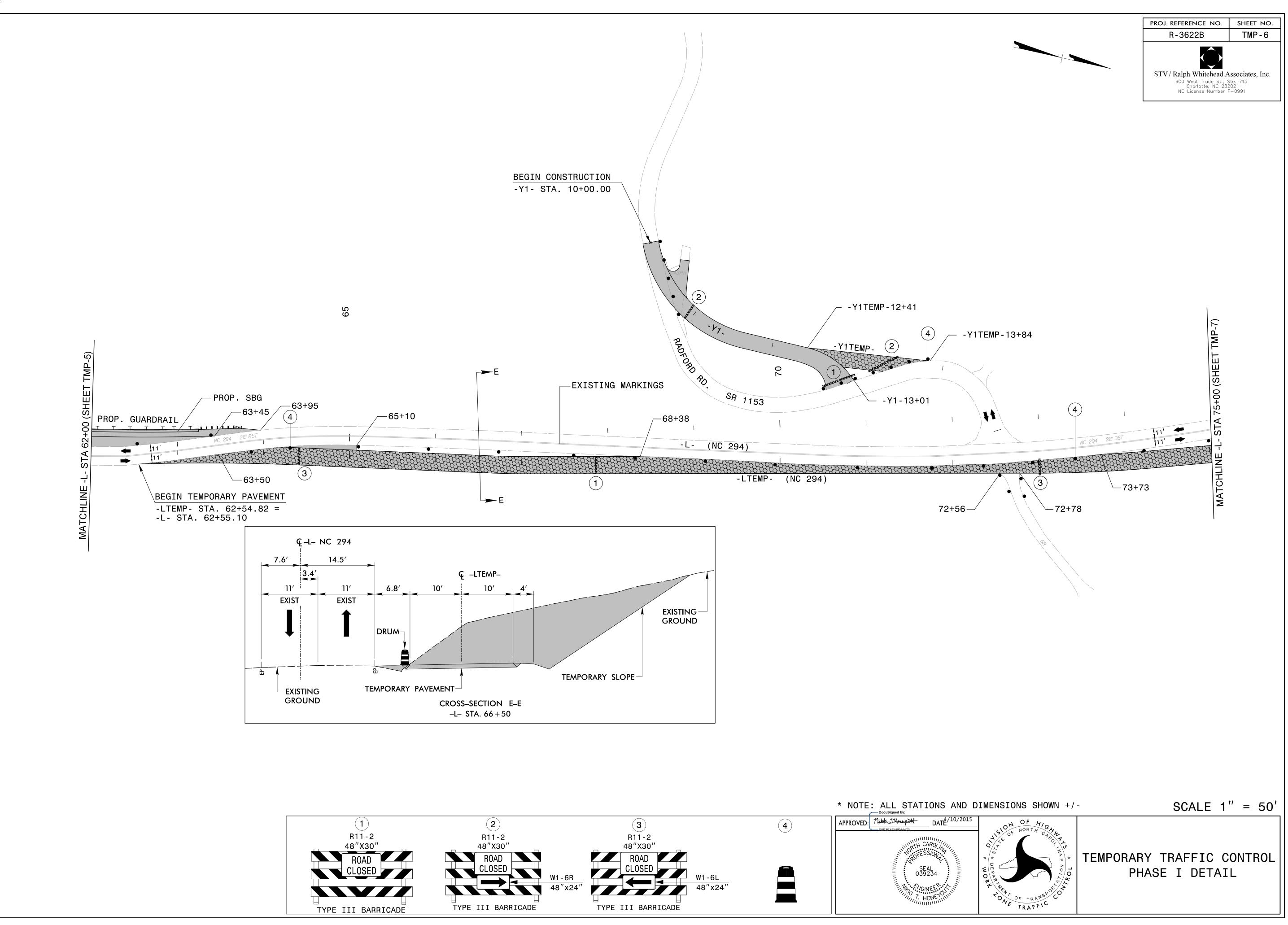
### TEMPORARY TRAFFIC CONTROL PHASING

DocuSign Envelope ID: FF76B1E7-80F5-40B0-BB69-11589CAA777C



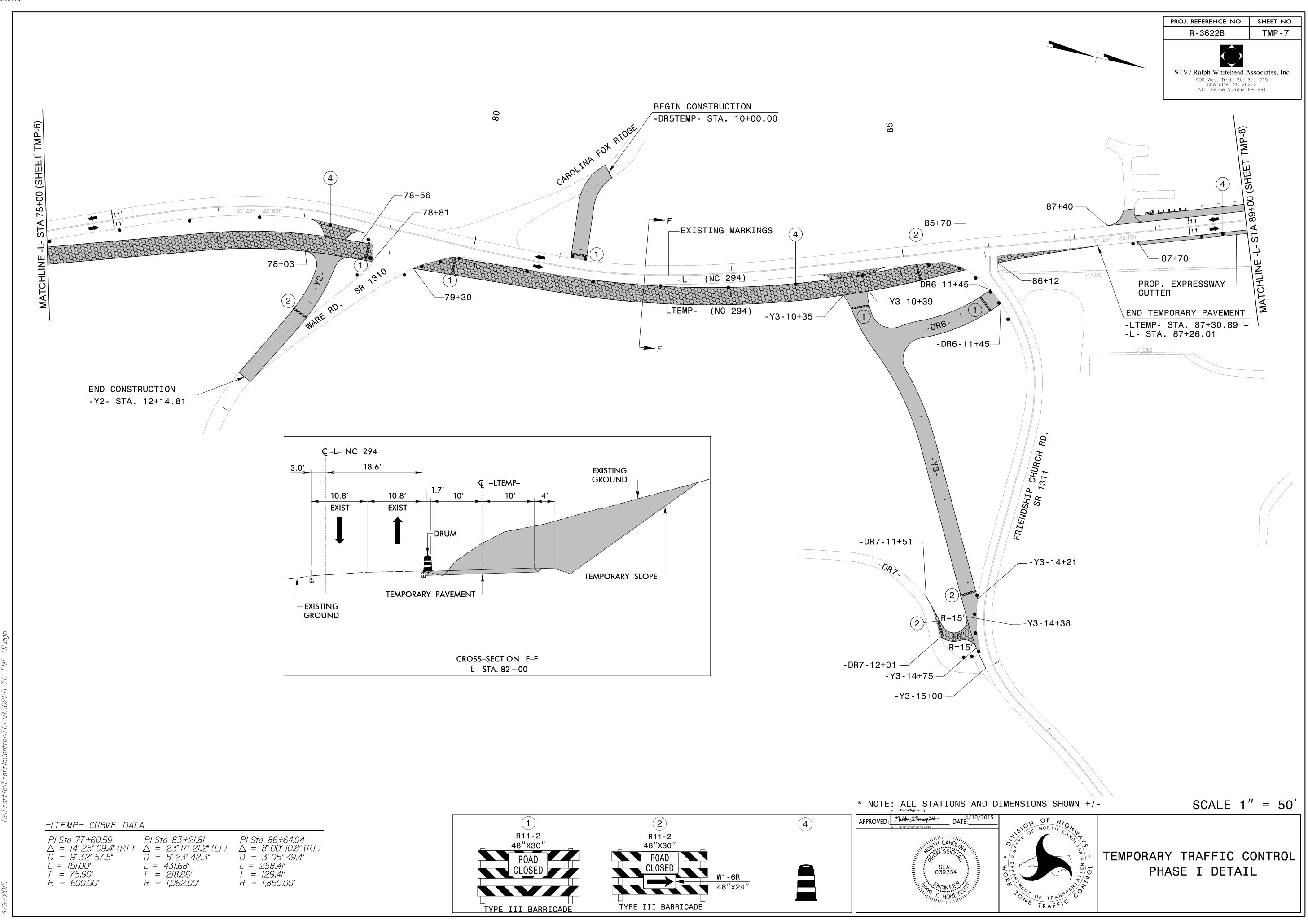


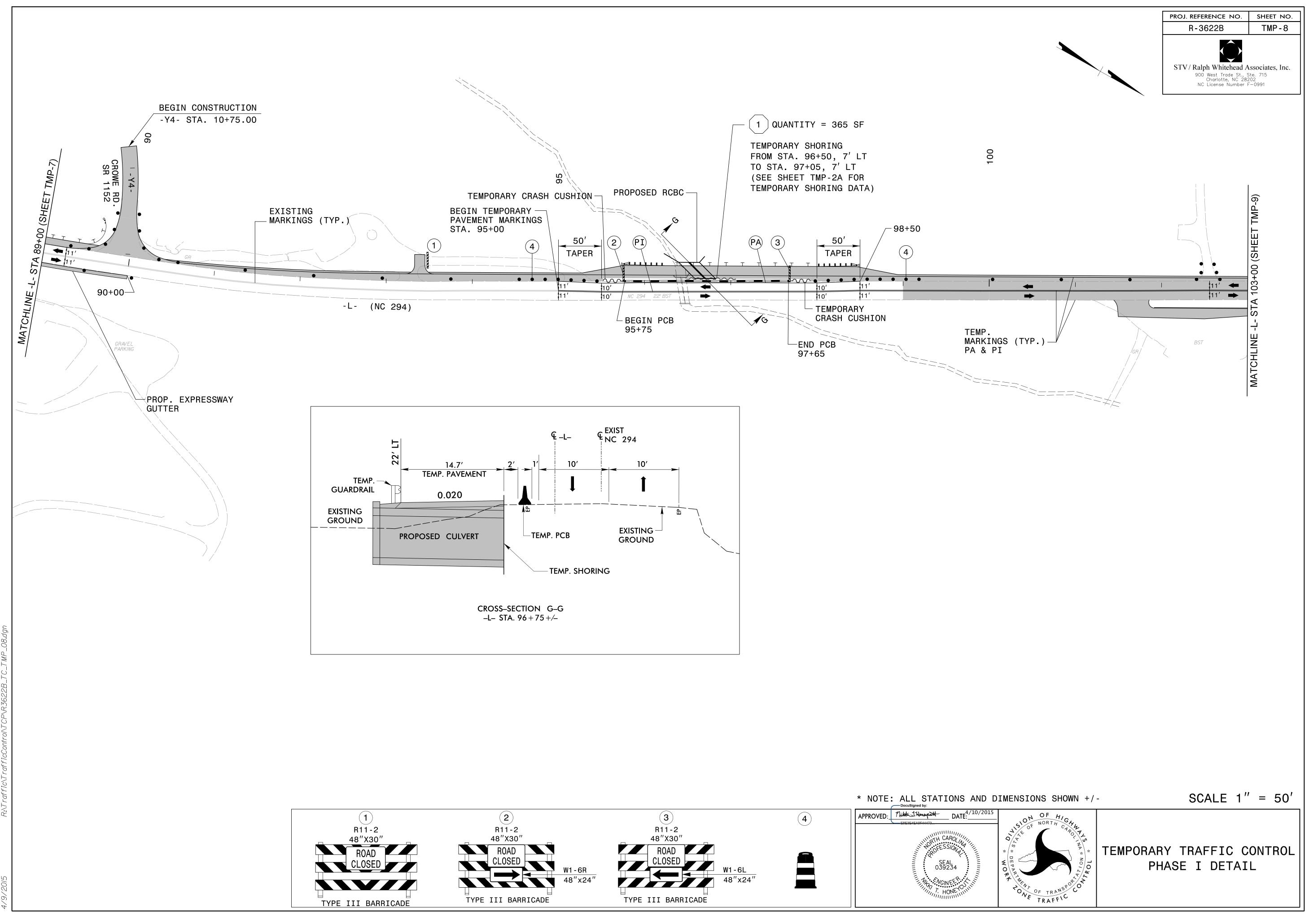




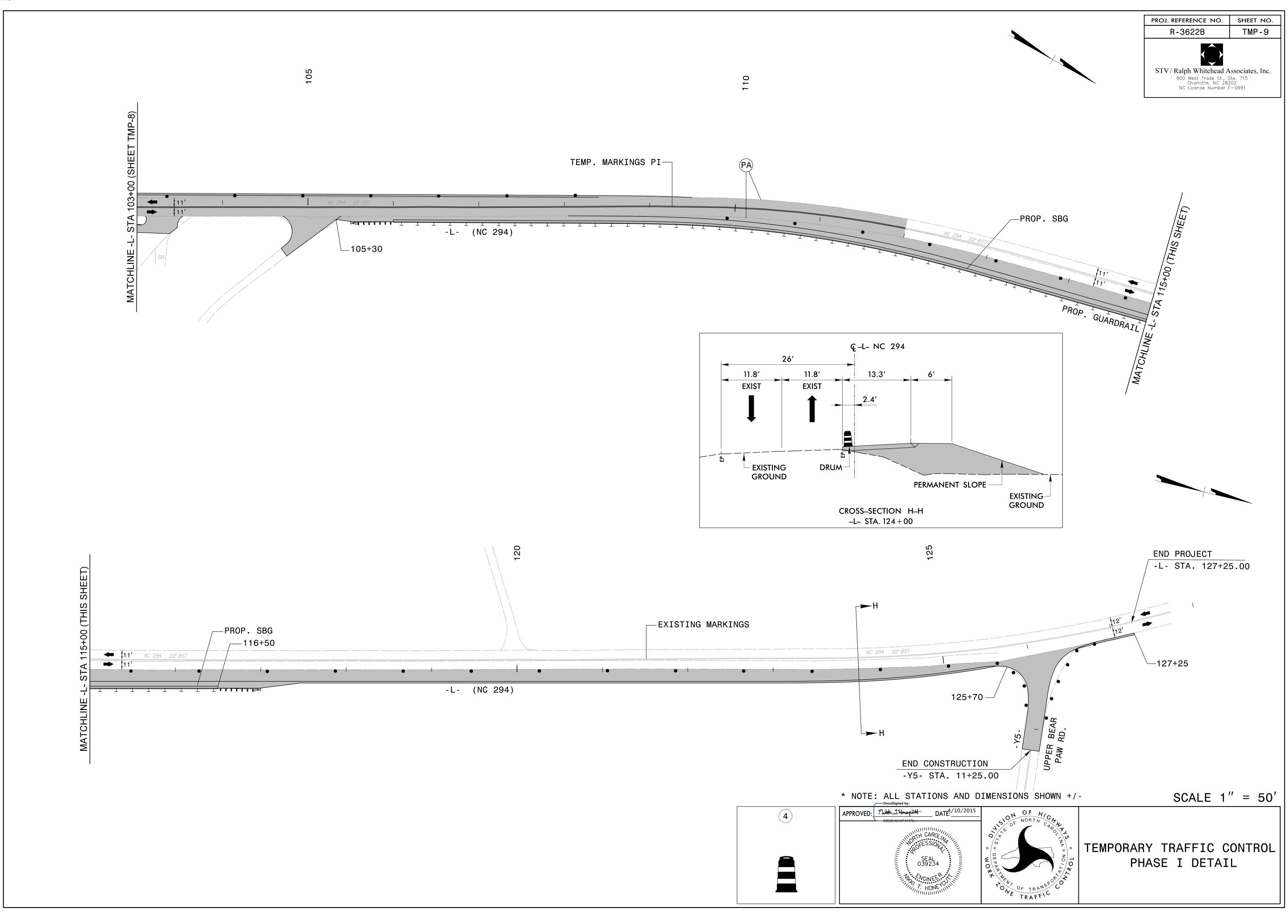
R:\Traffic\TrafficContro\\TCP\R3622B\_TC\_TMP\_06.dgn

4/9/2015









DocuSign Envelope ID: FF76B1E7-80F5-40B0-BB69-11589CAA777C

