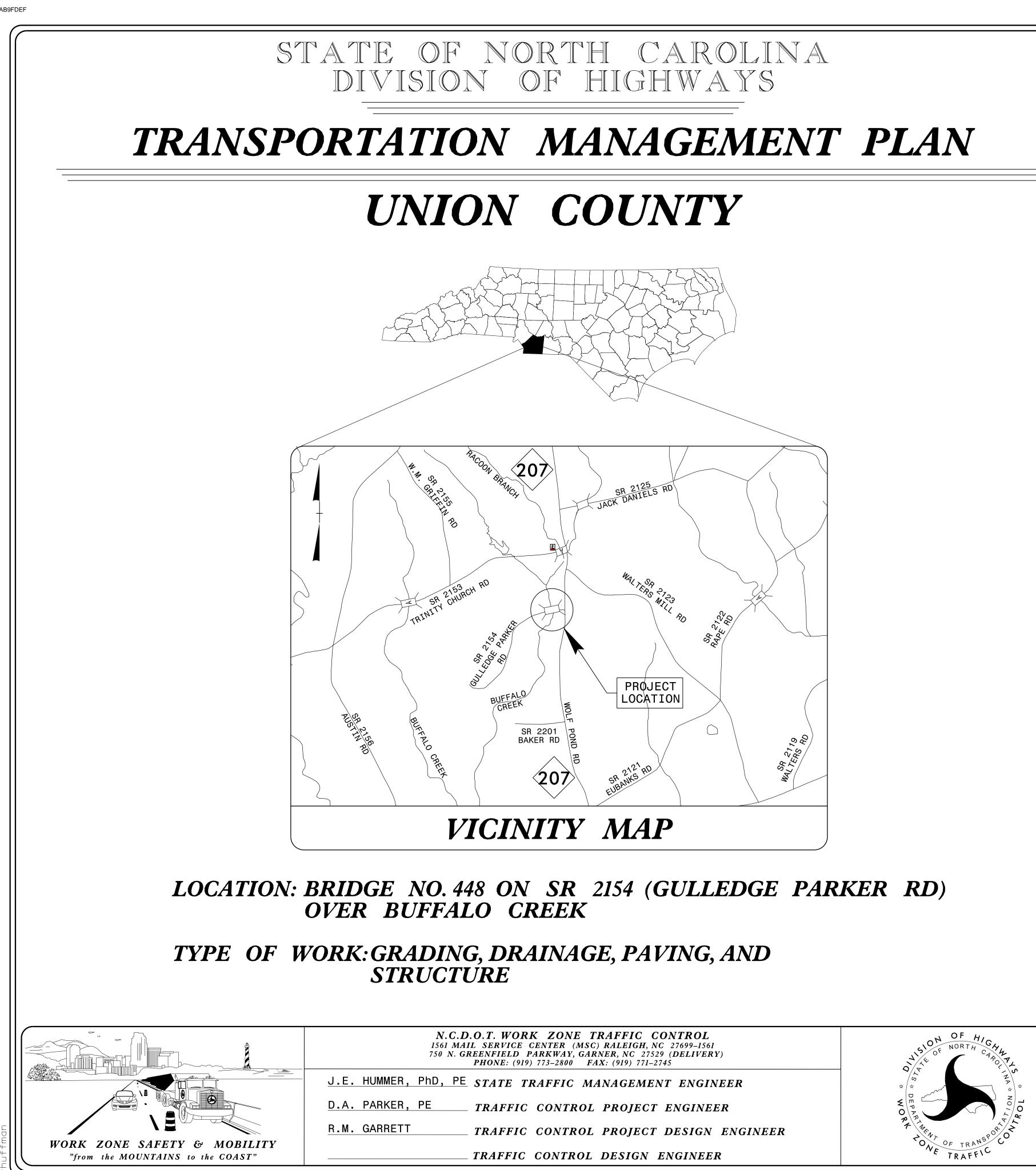
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SHEET NO.

- TMP 1
- TMP-1A
- TMP-2
- TMP-3
- TMP-4
- TMP-5

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	INDEX OF SHEETS	sheet no. TMP–1
ГМР - 1А ГМР - 2 ГМР - 3 ГМР - 4	O. <u>TITLE</u> TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, TRAFFIC MANAGEMENT STRATEGIES AND LEGEND GENERAL NOTES AND LOCAL NOTES TEMPORARY TRAFFIC CONTROL PHASING TEMPORARY TRAFFIC CONTROL PHASE I DETAIL TEMPORARY TRAFFIC CONTROL PHASE II DETAIL	B-5374
4700 FALLS RALEIGH, (919) 781-4620	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	TIP PROJECT:

ROADWAY STANDARD DRAWI

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRA PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALE DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENC ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE 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
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINE
1170.01	POSITIVE PROTECTION
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACI
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMP
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLA
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AN
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

TRAFFIC MANAGEMENT STRA

THIS PROJECT WILL UTILIZE THE EXISTING ROADWAY AND BRIDGE TO CONS MOST OF THE NEW ROADWAY AND CULVERT AWAY FROM TRAFFIC. FLAGGING WILL BE USED TO CONSTRUCT TIE-INS.



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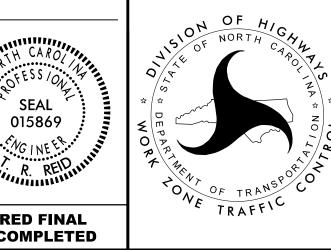
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EATION ROADWAYS ING IPORARY ATION SPACING ND MOUNTING	USER DEFINED (IF NEEDED) USER DEFINED (IF NEEDED) SIGNALS EXISTING PROPOSED DE TEMPORARY PAVEMENT MARKINGS EXISTING LINES TEMPORARY LINES
TTTT	TEMPORARY PAVEMENT M PA WHITE EDGELINE
	APPROVED: DocuSigned by: APPROVED: Dimethy R. Reid. DATE: 12/13/2017 SEAL SEAL SEAL DATE: 12/13/2017 SEAL SEAL DATE: 12/13/2017 SEAL SEAL DATE: 12/13/2017 SEAL SEAL DATE: 12/13/2017 SEAL SEAL DATE: 12/13/2017 SEAL SEAL DATE: 12/13/2017 SEAL SEAL DOCUMENT NOT CONSIDERED UNLESS ALL SIGNATURES COM

		PROJ. REFERENCE NO.	SHEET NO.
	l	B-5374	TMP-1A
TRAFF	IC CONTROL DEVICES		
	PADDICADE (TVDE III)		
	BARRICADE (TYPE III)		
	CONE		
	DRUM (SKINNY DRUM O 1	IUBULAR MARKER	
~~~	TEMPORARY CRASH CUSHION		
	FLASHING ARROW BOARD		
	FLAGGER		
	LAW ENFORCEMENT		
	TRUCK MOUNTED ATTENUATOR (TMA	۹)	
	CHANGEABLE MESSAGE SIGN		
TEMPO	RARY SIGNING		
ORT	ABLE SIGN		
– stat	IONARY SIGN		
D STAT	IONARY OR PORTABLE SIGN		
PAVEM	ENT MARKERS		
CRY	STAL/CRYSTAL		
	STAL/RED		
	LOW/YELLOW		

PAVEMENT MARKING SYMBOLS

## MARKING

(PAINT 4")



## ROADWAY STANDARD DRAWINGS & LEGEND

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, ANE NOTATIAN TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MYINCULDE: NOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY ENGINEER. THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATIO THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PL OR DIRECTED BY THE NUMBER. TIME RESTRUCTIONS () DO NOT STOP TRAFFIC AS FOLLOWS: ROAD_NAME DAY_AND_TIME_RESTRUCTIONS_DURA: GULLEDGE PARKER RD (-L-) MONDAY THRU FRIDAY IS MIT 4:00 P.M 9:00 A.M. SHITT 4:00 P.M 9:00 A.M. SHITT 4:00 P.M 0:00 P.M. PAYEME B) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT PERFORMED BEHTID THE LANGE UNDER LOSURE OF WHEN A LANGE CLOSURE D LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.	СНАГ	GES MAY BE BEOU	ITRED WHEN PH	YSTCAL DIMEN	STONS IN THE	ΠΕΤΔΤΙ
THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLOR DIRECTED BY THE ENGINEER. TIME RESTRICTIONS A) DO NOT STOP TRAFFIC AS FOLLOWS: ROAD NAME DAY AND TIME RESTRICTIONS DURAT GULLEDGE PARKER RD (-L-) MONDAY THRU FRIDAY 15 MIN 7:00 A.M 9:00 A.M. SHIFTS 4:00 P.M 6:00 P.M. PAVEME B) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE I	DRAV TO M OVEF SUPF	INGS, STANDARD EET FIELD CONDI LAPPING OF DEVI LEMENTING, COVE	DETAILS, AND TIONS OR RES CES. MODIFI	ROADWAY DET ULT IN DUPLIC CATION MAY I	AILS ARE NOT CATE OR UNDES NCLUDE: MOVIN	ATTAIN/ IRED G,
<ul> <li>A) DO NOT STOP TRAFFIC AS FOLLOWS:</li> <li>ROAD NAME DAY AND TIME RESTRICTIONS DURATE</li> <li>GULLEDGE PARKER RD (-L-) MONDAY THRU FRIDAY 15 MIN 7:00 A.M 9:00 A.M. SHIFTS 4:00 P.M 6:00 P.M. PAVEME</li> <li>B) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE I</li> </ul>	THE	CONSTRUCTION PR	OJECT EXCEPT			
ROAD NAMEDAY AND TIME RESTRICTIONSDURATGULLEDGE PARKER RD (-L-)MONDAY THRU FRIDAY15 MIN7:00 A.M 9:00 A.M.SHIFTS4:00 P.M 6:00 P.M.PAVEMEB)REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOTPERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE I	TIM	RESTRICTIONS				
GULLEDGE PARKER RD (-L-) MONDAY THRU FRIDAY 15 MIN 7:00 A.M 9:00 A.M. SHIFTS 4:00 P.M 6:00 P.M. PAVEME B) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE I	A)	DO NOT STOP TRA				
PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE I				MONDAY THE 7:00 A.M	RU FRIDAY 9:00 A.M.	15 MIN SHIFTS
	B)	PERFORMED BEHIN	ND THE LANE (	LOSURE OR WH	EN A LANE CLO	

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.

GENERAL NOTES /

LOCAL NOTES

- 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) 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.

TRAFFIC CONTROL DEV

PAVEMENT MAR

N) INSTALL

0) PLACE ON SECOND APPLICA

P) TIE PROP LINES.

Q) REMOVE/R MARKERS

TRAFFIC BARRIER

R) INSTALL TEMPORA PLANS A MAXIMU LOCATION. ONCE PROCEED IN A C IN THAT LOCAT MANAGEMENT PLA

> DO NOT PLACE E CONCRETE.

ONCE TEMPORARY IS PERFORMED B THAN TWO (2) M COST TO THE DE TRANSPORTATION A HAZARD, OR A

INSTALL TEMPOR THE UPSTREAM S THE TRAFFIC FL

INSTALL AND SP. LIMIT (MPH) TO UNTIL THE TEMP **TEMPORARY BARR** 

S) PROTECT THE APP ALL TIMES DURI EITHER A TRUCK **TEMPORARY CRAS** 

> PROTECT THE AP BARRIER FROM ( CRASH CUSHION CONCRETE BARRI OR AS SHOWN IN

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e	5

	APPROVED: Jimothy R. Reid 26569A242E83411
	DATE: 12/13/2017
4700 FALLS OF NEUSE ROAD, SUITE 300 RALEIGH, NORTH CAROLINA 27609	SEAL SEAL SEAL R. REIDINN
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AND OPERATION FOR TRAFFIC VEMENT TIE-INS, ARKING TIE-INS

		proj. reference no. B-5374	sheet no. TMP-2
	,	0-3374	+ IVII <i>- ∠</i>
NTROL DEVICES			
EMENT MARKINGS AND MARKERS			
INSTALL TEMPORARY PAVEMENT MARKINGS	AND TEMPOBABY PAVE	MENT MARKERS	
ON INTERIM LAYERS OF PAVEMENT AS F	_		
ROAD NAME MA	RKING	MARKER	
GULLEDGE PARKER RD (-L-) P	AINT TEM	PORARY RAISED	
PLACE ONE APPLICATION OF PAINT FOR SECOND APPLICATION OF PAINT SIX (6 APPLICATION AND EVERY SIX MONTHS A	) MONTHS AFTER THE 1	INITIAL	
TIE PROPOSED PAVEMENT MARKING LINES			
LINES.			
REMOVE/REPLACE ANY CONFLICTING/DAMA MARKERS BY THE END OF EACH DAY'S OF		às and	
RIER			
_ TEMPORARY BARRIER ACCORDING TO THE A MAXIMUM OF TWO (2) WEEKS PRIOR TO			
ION. ONCE TEMPORARY BARRIER IS INSTA	LLED AT ANY LOCATION	N	
AT LOCATION UNLESS OTHERWISE STATED	IN THE TRANSPORTATIO		
EMENT PLANS OR AS DIRECTED BY THE EN			
T PLACE BARRIER DIRECTLY ON ANY SURF ETE.	ACE OTHER THAN ASPHA	ALT OR	
TEMPORARY BARRIER IS INSTALLED AT AN	Y LOCATION AND NO W	DRK	
RFORMED BEHIND THE TEMPORARY BARRIER TWO (2) MONTHS, REMOVE / RESET TEMPO		7	
TO THE DEPARTMENT UNLESS OTHERWISE S PORTATION MANAGEMENT PLANS, TEMPORAR	TATED IN THE	TING	
ARD, OR AS DIRECTED BY THE ENGINEER.			
L TEMPORARY BARRIER WITH THE TRAFFI			
PSTREAM SIDE OF TRAFFIC. REMOVE TEMP RAFFIC FLOW BEGINNING WITH THE DOWNS			
L AND SPACE DRUMS NO GREATER THAN T			
(MPH) TO CLOSE OR KEEP THE SECTION THE TEMPORARY BARRIER CAN BE PLACED		ΞD	
RARY BARRIER IS REMOVED.			
T THE APPROACH END OF PORTABLE CONCR IMES DURING THE INSTALLATION AND REM		ВҮ	
R A TRUCK MOUNTED ATTENUATOR (MAXIMU RARY CRASH CUSHION.			
CT THE APPROACH END OF PORTABLE CONC	RETE		
ER FROM ONCOMING TRAFFIC AT ALL TIME	S BY A TEMPORARY		
CUSHION UNLESS THE APPROACH END OF ETE BARRIER IS OFFSET FROM ONCOMING	TRAFFIC AS FOLLOWS		
SHOWN IN THE PLANS: (SEE ALSO 1101.			
POSTED SPEED LIMIT MI 40 OR LESS	NIMUM OFFSET 15 FT		
45 - 50 55	20 FT 25 FT		
60 MPH or HIGHER	30 FT		
2. Reid			]
I	y _{4.}		
SEAL *	*	NERAL NOTES	,
015869 WG INE ER. P P P P P P P P P P P P P P P P P P P	L C C C C C C C C C C C C C C C C C C C	OCAL NOTES	
<i>R. REIDING OF TRANSPO</i> <i>NE TRANSPO</i>			
CONSIDERED FINAL			
ATURES COMPLETED	I		

## PHASE I

FOR THIS PHASE, IN ADDITION, EXISTING DRIVES SHALL REMAIN ACCESSIBLE.

## STEP 1

PRIOR TO BEGINNING CONSTRUCTION, INSTALL WORK ZONE ADVANCE WARNING SIGNS USING ROADWAY STANDARD DRAWING 1101.01 SHEET 3 OF 3 ALONG EXISTING GULLEDGE PARKER RD.

## STEP 2

INSTALL TRAFFIC CONTROL DEVICES ALONG EXISTING GULLEDGE PARKER RD. AS SHOWN ON SHEET TMP-4

- STA. 12+00 +/- -L- TO STA. 17+88 +/- -L-

## STEP 3

AWAY FROM TRAFFIC AND USING ROADWAY STANDARD DRAWING 1101.02 (SHEET 1 OF 15) AND 1101.04 AS NEEDED, CONSTRUCT A MAJORITY OF THE PROPOSED CULVERT AND ROADWAY UP TO EXISTING EDGE OF PAVEMENT ELEVATIONS AS SHOWN ON TMP-4.

- STA. 10+32 +/- -L- TO STA. 19+00 +/- -L-

STEP 4

INSTALL PCB AND CRASH CUSHIONS FOR USE WHEN TRAFFIC IS SHIFTED, SEE PHASE II.

/II/2017 \RA\85

# PHASING

# TRAFFIC SHALL BE MAINTAINED ON EXISTING GULLEDGE PARKER RD

TRAFFIC SHALL BE SHIFTED AND MA GULLEDGE RD FOR THIS PHASE IN A EXISTING DRIVES SHALL REMAIN AC

## STEP 1

REMOVE TRAFFIC CONTROL DEVICES FOR PHASE II AS SHOWN ON TMP-5.

- STA. 12+00 +/- -L- TO STA. 17

STEP 2

SHIFT TRAFFIC ONTO THE NEWLY CO STANDARD DRAWING 1101.03 SHEET ONE-LANE, TWO-WAY PATTERN AS SH

STEP 3

REMOVE EXISTING BRIDGE AND ROAD THE CULVERT AND REMAINING ROAD INCLUDE THE FINAL LAYER OF SURF

STEP 4

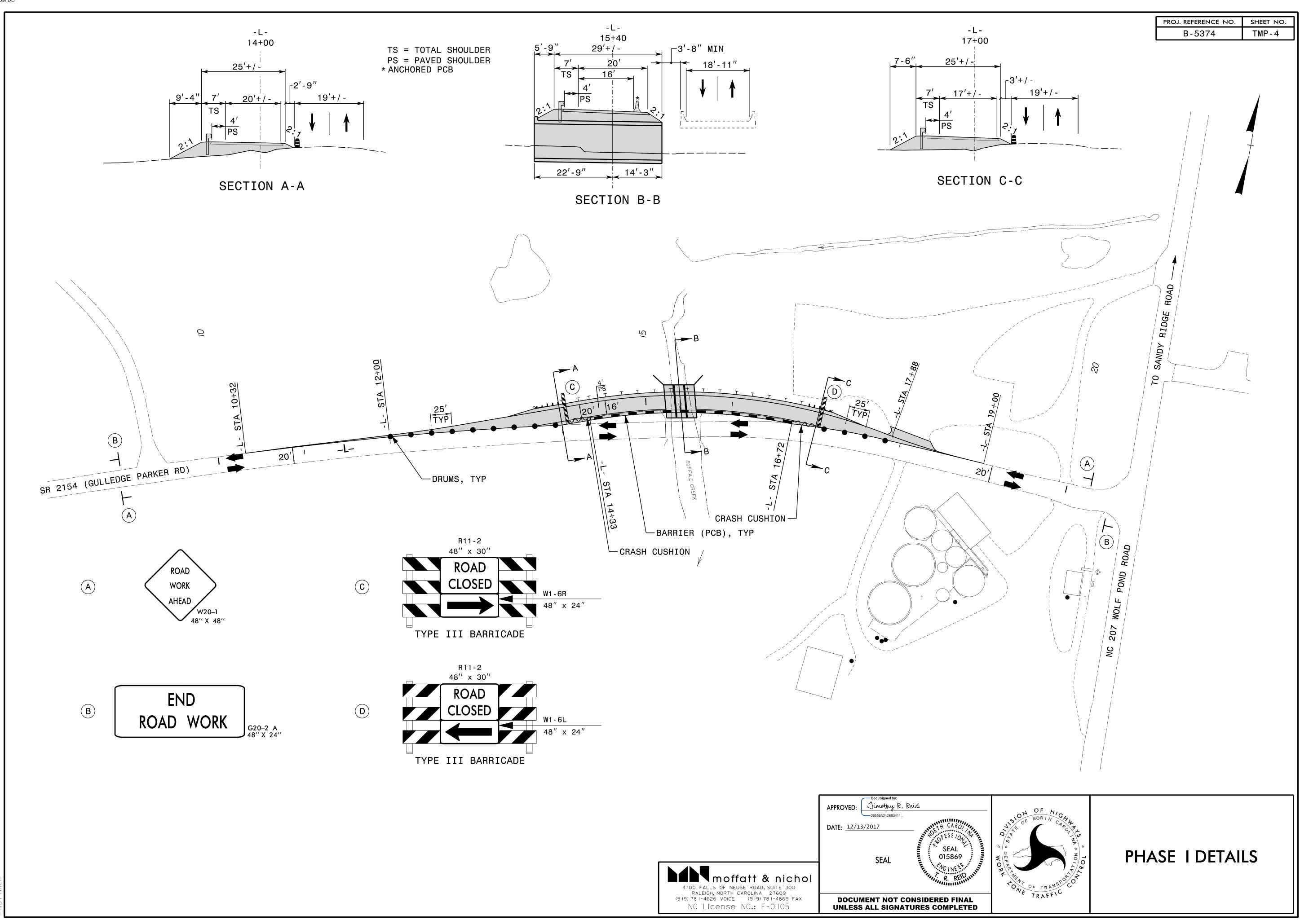
REMOVE PCB AND CRASH CUSHIONS PER ROADWAY STANDARD DRAWING 1 FINAL LAYER OF SURFACE COURSE, REMAINING PERMANENT GUARDRAIL. TWO-WAY PATTERN, REMOVE ANY REM

	APPROVED: Dimothy R. Reid
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	PROJ. REFERENCE NO.	SHEET NO.
	B-5374	TMP-3
PHASE II		
ED AND MAINTAINED ON THE NEWLY CONSTRUCTED		
AND MAINTAINED ON THE NEWET CONSTRUCTED		
REMAIN ACCESSIBLE.	• • •	
DEVICES FROM PHASE I AND RESET THEM		
ON TMP-5.		
D STA. 17+97 +/L-		
NEWLY CONSTRUCTED ROADWAY PER ROADWAY		
D3 SHEET 3 OF 9 AND PLACE TRAFFIC IN A		
ERN AS SHOWN ON SHEET TMP-5.		
AND ROADWAY NECESSARY TO COMPLETE		
ING ROADWAY CONSTRUCTION NOT TO		
R OF SURFACE COURSE.		
JSHIONS AND USING FLAGGING OPERATION		
RAWING 1101.02 SHEET 1 OF 15, CONSTRUCT		
COURSE, FINAL PAVEMENT MARKINGS AND		
ARDRAIL. OPEN TRAFFIC TO FINAL TWO-LANE,	- 0	
E ANY REMAINING TRAFFIC CONTROL SIGNS AND DEVIC	<u>-</u> S.	
, R. Reid		
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TRAFFIC RED FINAL

PHASING



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