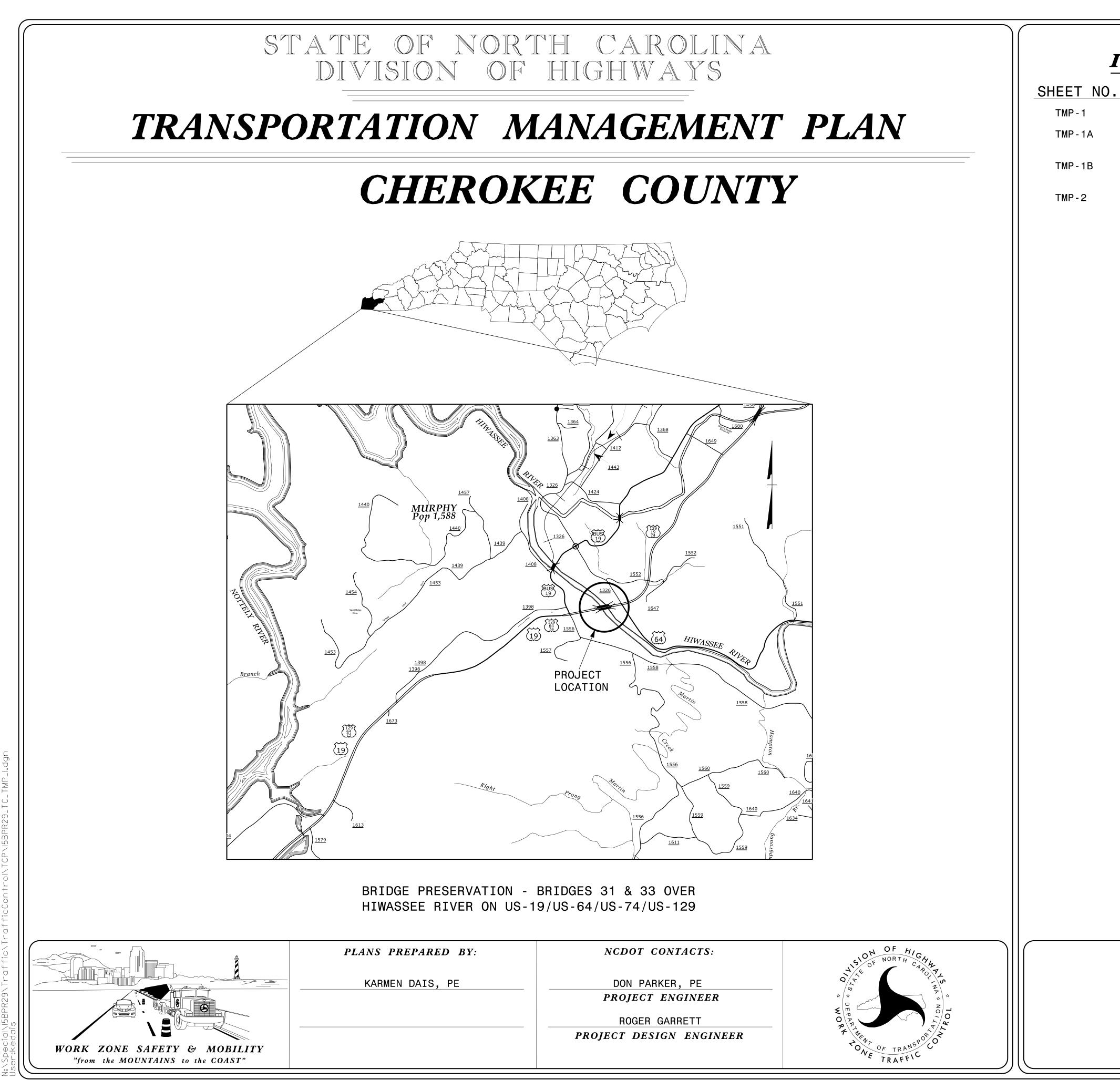
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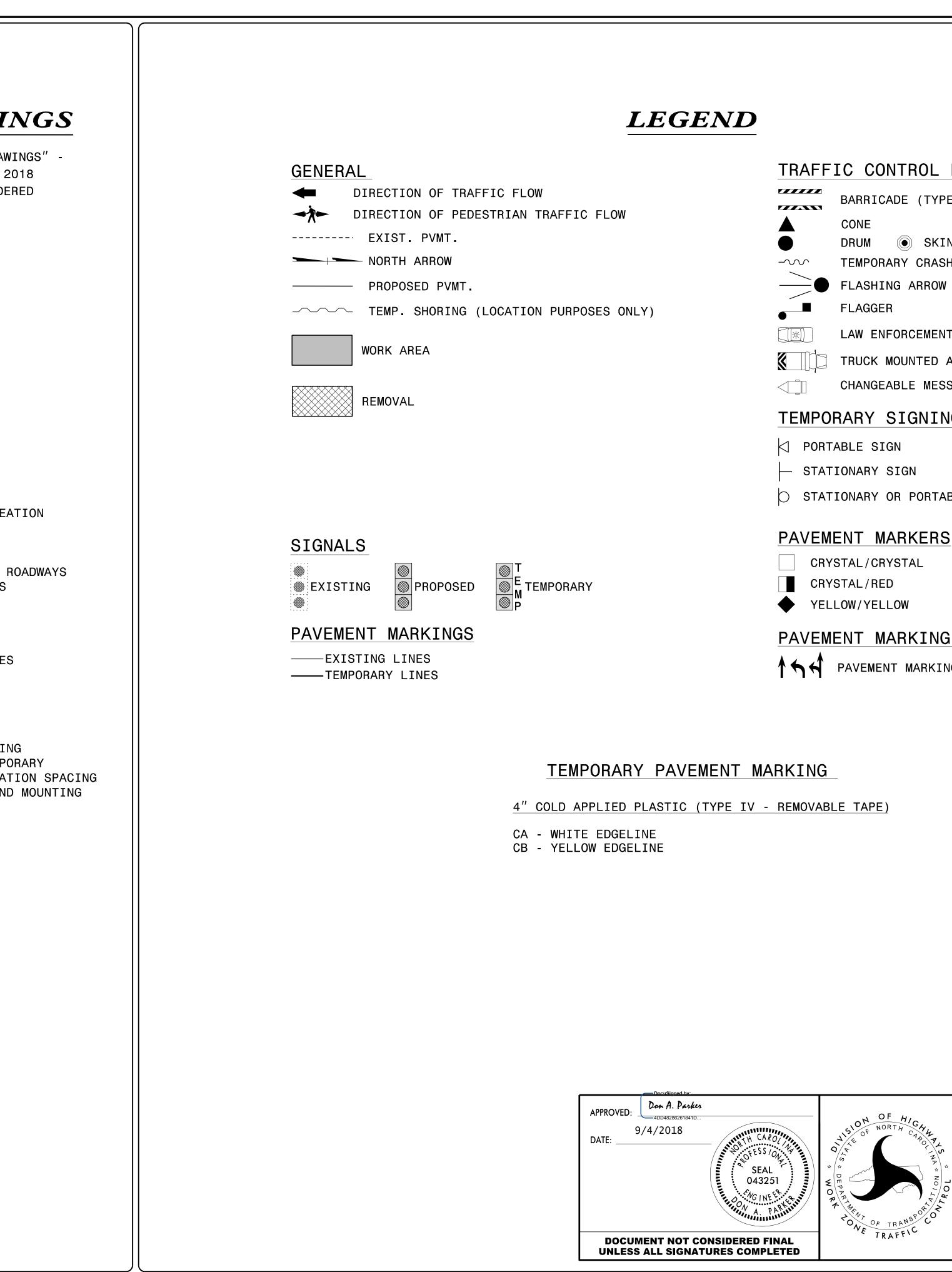
INDEX	OF SHEETS	TMP-1
O. TITLE SH LIST OF AND LEGE TRANSPOF STRATEGI	<u>TITLE</u> HEET, VICINITY MAP, AND INDEX OF SHEETS APPLICABLE ROADWAY STANDARD DRAWINGS,	ISBPR.29
	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED APPROVED DATE: 9/5/2018 SEAL SEAL	TIP PROJECT:

SHEET NO.

ROADWAY STANDARD DRAWINGS

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

TITLE STD. NO. 1101.01 WORK ZONE ADVANCE WARNING SIGNS 1101.02 TEMPORARY LANE CLOSURES TEMPORARY ROAD CLOSURES 1101.03 1101.04 TEMPORARY SHOULDER CLOSURES WORK ZONE VEHICLE ACCESSES 1101.05 1101.06 WARNING SIGNS FOR BLASTING ZONES 1101.11 TRAFFIC CONTROL DESIGN TABLES STATIONARY WORK ZONE SIGNS 1110.01 PORTABLE WORK ZONE SIGNS 1110.02 FLASHING ARROW BOARDS 1115.01 1130.01 DRUM 1135.01 CONES BARRICADES 1145.01 1150.01 FLAGGING DEVICES 1160.01 TEMPORARY CRASH CUSHION 1165.01 WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION 1170.01 POSITIVE PROTECTION SKINNY-DRUM 1180.01 1205.01 PAVEMENT MARKINGS - LINE TYPES AND OFFSETS PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS 1205.02 1205.03 PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMPS 1205.04 PAVEMENT MARKINGS - INTERSECTIONS 1205.05 PAVEMENT MARKINGS - TURN LANES PAVEMENT MARKINGS - LANE DROPS 1205.06 1205.07 PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES 1205.08 PAVEMENT MARKINGS - PAINTED ISLANDS 1205.09 PAVEMENT MARKINGS - SCHOOL AREAS 1205.10 1205.11 PAVEMENT MARKINGS - RAILROAD CROSSINGS 1205.12 PAVEMENT MARKINGS - BRIDGES 1205.13 PAVEMENT MARKINGS - LANE REDUCTIONS RAISED PAVEMENT MARKERS - INSTALLATION SPACING 1250.01 RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY 1251.01 1261.01 GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING 1261.02 1262.01 GUARDRAIL END DELINEATION **OBJECT MARKERS - TYPES** 1264.01 1264.02 OBJECT MARKERS - INSTALLATION



		PROJ. REFERENCE NO.	SHEET NO.
	Ē	15BPR.29	TMP-1A
TRAFF	IC CONTROL DEVICES		
	BARRICADE (TYPE III)		
	CONE		
$\overline{\bullet}$	DRUM 🔘 SKINNY DRUM 💿 T	UBULAR MARKER	
-~~	TEMPORARY CRASH CUSHION		
	FLASHING ARROW BOARD		
	FLAGGER		
	LAW ENFORCEMENT		
	TRUCK MOUNTED ATTENUATOR (TMA)	
·	CHANGEABLE MESSAGE SIGN		
TEMPO	RARY SIGNING		
	ABLE SIGN		
⊢ STAT	IONARY SIGN		
b stat	IONARY OR PORTABLE SIGN		
	ENT MARKERS		
	STAL/CRYSTAL		
YEL	LOW/YELLOW		
PAVEM	ENT MARKING SYMBOLS		
164	PAVEMENT MARKING SYMBOLS		
I I I			

ROADWAY STANDARD DRAWINGS & LEGEND

		IANAGI STRATI	EMENT EGIES	
	TRAFFIC MANAGEMENT ST - LANE SHIFTS - LONG-TERM LANE CLO - TEMPORARY LANE CLOS - NIGHT WORK	SURES	ATIVE TO THIS TMP	INCLUDE:
	GE	NERAL	NOTES	
DR TO OV SU	ANGES MAY BE REQUIRED W AWINGS, STANDARD DETAIL MEET FIELD CONDITIONS ERLAPPING OF DEVICES. PPLEMENTING, COVERING, GINEER.	S, AND ROADWA OR RESULT IN MODIFICATION	Y DETAILS ARE NOT DUPLICATE OR UNDE MAY INCLUDE: MOVI	ATTAINABLE SIRED NG,
TH	E FOLLOWING GENERAL NOT E CONSTRUCTION PROJECT DIRECTED BY THE ENGINE	EXCEPT WHEN O		
TIME RE	STRICTIONS			
A) DO N	OT CLOSE OR NARROW TRAV	EL LANES AS F	OLLOWS:	
US-64 (BETW	NAME /19/74/129 EEN MEMORIAL ND LABOR DAY)	MONDA 7:00 A	ME RESTRICTIONS Y - FRIDAY M - 8:00 PM AND 8:00 PM UNTIL	
		SUNDAY	AT 8:00PM	
B) DO N	OT CLOSE OR NARROW TRAV	EL LANES DURI	NG SPECIAL EVENTS	S AS FOLLOWS:
	NAME 64/19/74/129			
EVENT	RESTRICTIONS			
1.	FOR ANY UNEXPECTED OC VOLUMES, AS DIRECTED			Y HIGH TRAFF
2.	FOR LEAF SEASON, FROM	OCTOBER 1ST	THROUGH OCTOBER 3	31ST.
LANE AN	D SHOULDER CLOSURE REQU	IREMENTS		
, PE	MOVE LANE CLOSURE DEVIC RFORMED BEHIND THE LANE NGER NEEDED OR AS DIREC	CLOSURE OR W	HEN A LANE CLOSUF	
OP ST	EN PERSONNEL AND/OR EQU EN TRAVEL LANE, CLOSE T ANDARD DRAWING NO. 1101 RRIER OR GUARDRAIL OR A	HE NEAREST OP .04 UNLESS TH	EN SHOULDER USING E WORK AREA IS PF	G ROADWAY
AD OP ST	EN PERSONNEL AND/OR EQU JACENT TO AN UNDIVIDED EN TRAVEL LANE, CLOSE T ANDARD DRAWING NO. 1101 RRIER OR GUARDRAIL.	FACILITY AND HE NEAREST OP	WITHIN 5 FT OF AN EN TRAVEL LANE US	N SING ROADWAY
AD TR ST	EN PERSONNEL AND/OR EQU JACENT TO A DIVIDED FAC AVEL LANE, CLOSE THE NE ANDARD DRAWING NO. 1101 RRIER OR GUARDRAIL.	ILITY AND WIT AREST OPEN TR	HIN 10 FT OF AN C AVEL LANE USING F	DPEN ROADWAY

 $\hat{\mathbf{Q}}$

	F)	WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAN OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIREO BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.)	
	G)	DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTE WITH GUARDRAIL OR BARRIER.	ED .	PF
	PAV	EMENT EDGE DROP OFF REQUIREMENTS	STEP 1:	USIN
	H)	BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING	STEP 2:	INST
		PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:		A. U B. I
		BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.		F A
		BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.	STEP 3:	PLAC
		BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE	STEP 4:	COMP
		ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.	STEP 5:	REVE
	I)) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LA OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNIN		COMP
	"UNEVEN	"UNEVEN LANES" SIGNS (W8-11) IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.	STEP 7:	PLAC FINA
	TRA	FFIC PATTERN ALTERATIONS	STEP 8:	USIN SUBS
	J)	NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFI PATTERN ALTERATION.	IC STEP 9:	
	SIG	NING		
	K)	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.		PH
:	L)	ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY	STEP 1:	USIN
	,	TRAFFIC PATTERN.	STEP 2:	INST
	M)	INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.		A. U B. I C. I F
IC	TRA	FFIC CONTROL DEVICES		A
	N)	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	STEP 3:	PLAC USE
		EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS) FOR ADDITIONAL		COMP
		REQUIREMENTS.	STEP 5:	REVE
	PAV	EMENT MARKINGS AND MARKERS	STEP 6:	COMP
	0)	INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:	S STEP 7:	PLAC FINA
		ROAD NAME MARKING MARKER US-64/19/74/129 COLD APPLIED PLASTIC NONE (TYPE IV - REMOVABLE TAPE)	STEP 8:	SUBS
	P)	TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.	STEP 9:	REMO
	Q)	REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.	APPROVED: DocuSigned by: 4DD48286261841D	
	MIS	CELLANEOUS	DATE:	ANT HOR TH
	R)	LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.		

DOCUMENT NOT CONS	IDERED FINAL
UNLESS ALL SIGNATURE	ES COMPLETED

PROJ. REFERENCE NO.	SHEET NO.
15BPR.29	TMP-1B

PHASING FOR BRIDGE 31

ING RSD 1101.01, SHEET 2, INSTALL ADVANCE WARNING SIGNS.

STALL RSD 1101.02, SHEET 3, WITH THE FOLLOWING MODIFICATIONS:

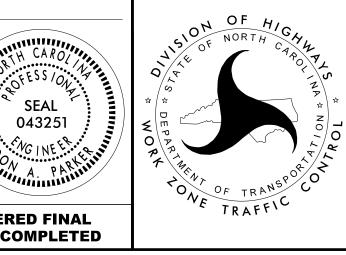
- USE STATIONARY SIGNS INSTEAD OF PORTABLE SIGNS. INITIAL CHANGEABLE MESSAGE SIGN FOR LANE CLOSURE 1/2 MILE.
- FROM FIRST STATIONARY ADVANCE WARNING SIGN. ADJUST LOCATION AS REQUIRED BY NOTE 8.
- ACE TEMPORARY PAVEMENT MARKINGS PER TMP-2 AND SHIFT TRAFFIC.
- MPLETE BRIDGE DECK REHABILITATION INSIDE SINGLE CLOSED LANE.
- VERSE LANE CLOSURE AND SHIFT TRAFFIC TO THE OTHER SIDE.
- MPLETE BRIDGE DECK REHABILITATION INSIDE SINGLE CLOSED LANE.
- ACE FINAL PAVEMENT MARKINGS AND OPEN EASTBOUND TRAFFIC TO NAL PATTERN.
- ING RSD 1101.02, SHEET 3, AS NECESSARY, COMPLETE BRIDGE BSTRUCTURE WORK PER STRUCTURE PLANS.
- MOVE ALL TRAFFIC CONTROL DEVICES.

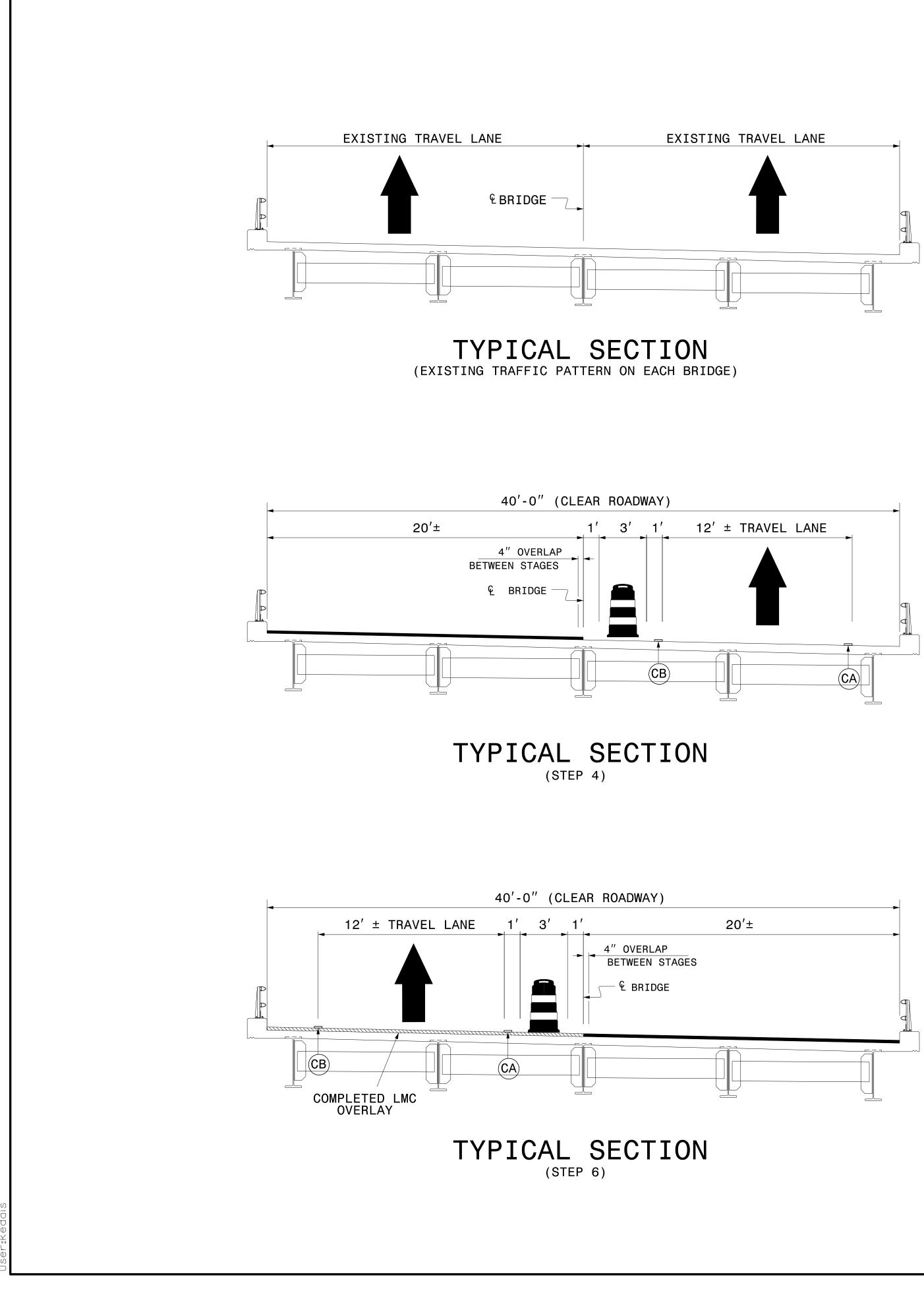
HASING FOR BRIDGE 33

ING RSD 1101.01, SHEET 2, INSTALL ADVANCE WARNING SIGNS.

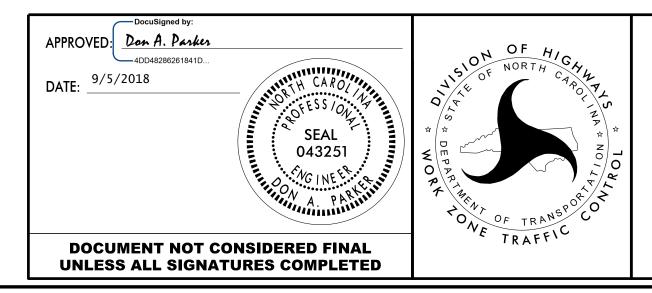
STALL RSD 1101.02, SHEET 3, WITH THE FOLLOWING MODIFICATIONS:

- USE STATIONARY SIGNS INSTEAD OF PORTABLE SIGNS. INSTALL MERGE TAPER THAT ENDS 100 FT EAST OF THE BRIDGE WORK. INSTALL CHANGEABLE MESSAGE SIGN FOR LANE CLOSURE $\frac{1}{2}$ MILE FROM FIRST STATIONARY ADVANCE WARNING SIGN. ADJUST LOCATION AS REQUIRED BY NOTE 8.
- ACE TEMPORARY PAVEMENT MARKINGS PER TMP-2 AND SHIFT TRAFFIC. DRUMS TO CLOSE THE INSIDE LEFT TURNING LANE FROM US-64.
- MPLETE BRIDGE DECK REHABILITATION INSIDE SINGLE CLOSED LANE.
- VERSE LANE CLOSURE AND SHIFT TRAFFIC TO THE OTHER SIDE.
- MPLETE BRIDGE DECK REHABILITATION INSIDE SINGLE CLOSED LANE.
- ACE FINAL PAVEMENT MARKINGS AND OPEN WESTBOUND TRAFFIC TO NAL PATTERN. OPEN THE INSIDE LEFT TURNING LANE FROM US-64.
- ING RSD 1101.02, SHEET 3, AS NECESSARY, COMPLETE BRIDGE BSTRUCTURE WORK PER STRUCTURE PLANS.
- MOVE ALL TRAFFIC CONTROL DEVICES.





- BEFORE CLOSING A LANE OF TRAFFIC.



NOTES

1. THESE TYPICALS INDICATE THE TRAFFIC PATTERNS FOR EACH BRIDGE, AS BRIDGES 31 AND 33 CAN BE WORKED ON CONCURRENTLY.

2. THE CONTRACTOR MAY ELECT TO CLOSE EITHER SINGLE LANE FIRST, HOWEVER, THE CONTRACTOR SHALL SUBMIT A WRITTEN CONSTRUCTION SEQUENCE FOR TRAFFIC CONTROL TO THE ENGINEER AT THE PRECONSTRUCTION MEETING AND THE SEQUENCE MUST BE APPROVED

TRAFFIC CONTROL TYPICALS