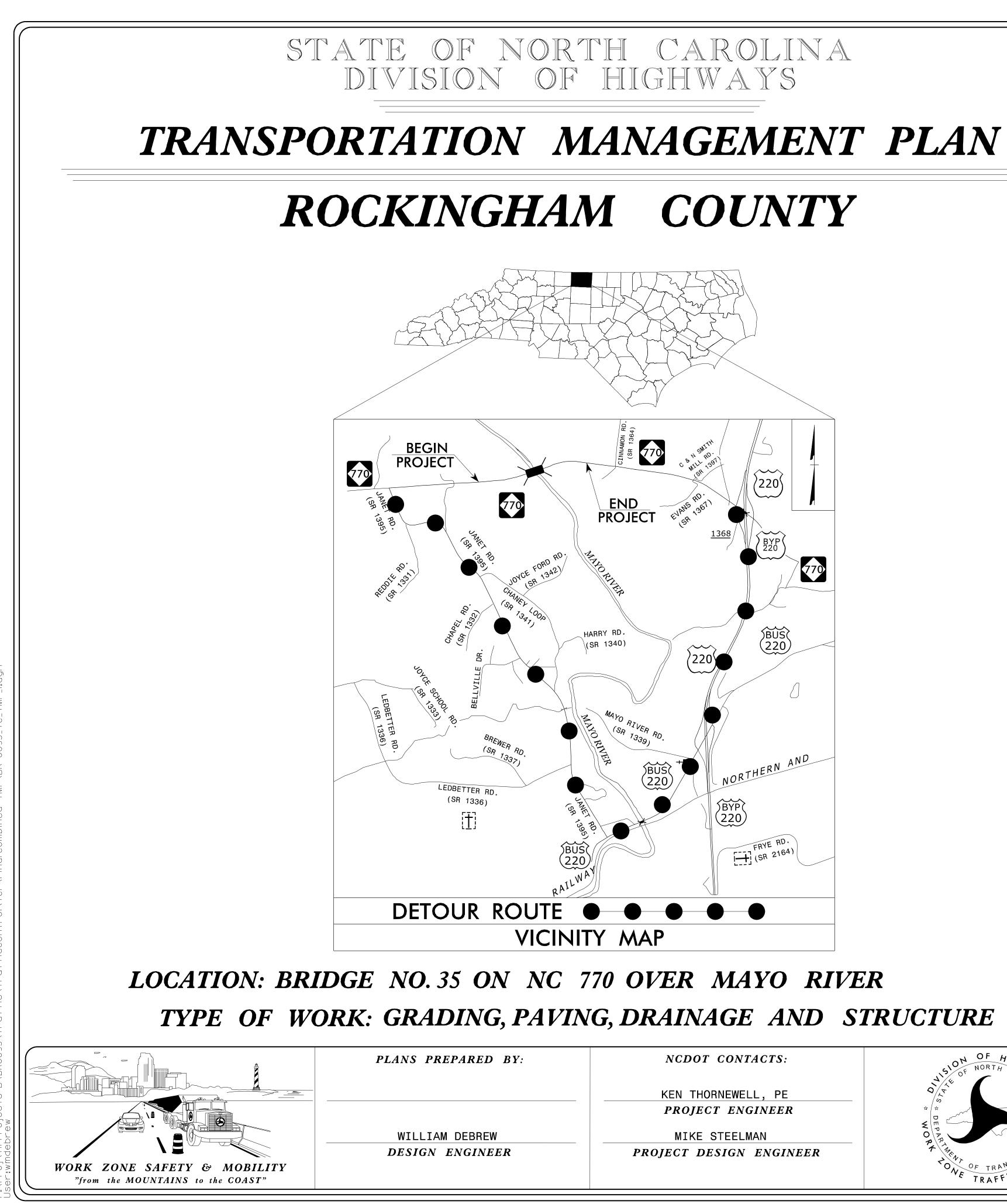
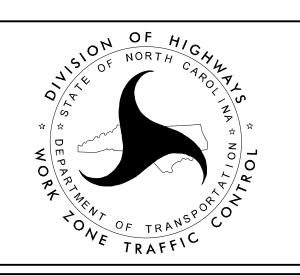
OPENX SAMPLE PLANSET

This sample planset is for demonstrating appearance, sheet layout, and plan preparation only. The design content is illustrative and not intended for design or construction use.

Refer to applicable Manuals, Standards, and Guidelines for actual design requirements. This sample is not a substitute for compliance with engineering standards.





SHEET NO.

TMP-1

TMP-1A

TMP-1B

TMP-2

TMP-3

INDEX OF SHEETS

TITLE

TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND

TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND PHASING NOTES) ROAD CLOSURE AND OFFSITE DETOUR SIGNING

NC-770 ROAD CLOSURE BARRICADE DETAIL

SHEET NO.

TMP-1

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ROADWAY STANDARD DRAWI

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

STD. NO.

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
1101.06	WARNING SIGNS FOR BLASTING ZONES
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
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWA
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMPS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORAF
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOU
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

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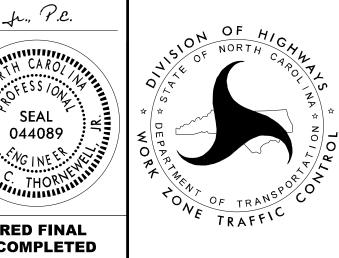
INGS	LEGEND
AWINGS" -	GENERAL
DERED	DIRECTION OF TRAFFIC FLOW
	EXIST. PVMT.
	NORTH ARROW
	PROPOSED PVMT.
	TEMP. SHORING (LOCATION PURPOSES ONLY)
	WORK AREA
	REMOVAL
	SIGNALS
	EXISTING PROPOSED T PROPOSED PROPOSED PROPOSED PROPOSED TEMPORARY
	PAVEMENT MARKINGS
AYS	
	TEMPORARY PAVEMENT MARKING
RY) SPACING	SYMBOL DESCRIPTION
UNTING	P1 WHITE EDGELINE
	P13 DOUBLE YELLOW CENTER LINE
	BocuSigned by.
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		PROJ. REFERENCE NO.	SHEET NO.
		BR-0093	TMP-1A
TRAFF	IC CONTROL DEVICES		
	BARRICADE (TYPE III)		
	CONE		
Ō	DRUM () SKINNY DRUM ()	TUBULAR MARKER	
-~~			
	FLASHING ARROW BOARD		
	FLAGGER		
	LAW ENFORCEMENT		
	TRUCK MOUNTED ATTENUATOR (TM	IA)	
·	CHANGEABLE MESSAGE SIGN		
ТЕМРО	RARY SIGNING		
PORT	ABLE SIGN		
⊢ stat	IONARY SIGN		
b stat	IONARY OR PORTABLE SIGN		
1			
PAVEM	ENT MARKERS		
CRY	STAL/CRYSTAL		
	STAL/RED		

YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

PAVEMENT MARKING SYMBOLS



ROADWAY STANDARD DRAWINGS & LEGEND

MANAGEMENT STRATEGIES THE FOLLOWING LISTED WORK ZONE STRATEGIES ARE RECOMMENDED FOR INCLUSION WITHIN THIS TRANSPORTATION MANAGEMENT PLAN (TMP): FLAGGER OPERATION - COMPLETE RESURFACING OF SR 1395 (JANET RD), PRIOR TO CLOSING NC 770. ROAD CLOSURE - MAINTAIN (NC 770) TRAFFIC ON OFF-SITE DETOUR VIA SR 1395 (JANET RD), US 220 BUS, AND US 220. PHASING PHASE I STEP 1 - INSTALL ADVANCED WARNING SIGNS FOR JANET ROAD RESURFACING. (SEE RSD 1101.01, SHEET 3 OF 3) STEP 2 - USING RSD 1101.02, SHEET 1 OF 19, RESURFACE JANET ROAD AND PLACE TEMPORARY/FÍNAL PAVEMENT MÁRKINGS IN ACCORDANCE WITH THE ROADWAY PLANS. STEP 3 - REMOVE ADVANCE WARNING SIGNS FOR JANET ROAD RESURFACING. PHASE II STEP 1 - USING RSD 1101.03, SHEET 1 OF 9, AND SHEETS TMP-2 AND TMP-3, INSTALL ROAD CLOSURE AND DETOUR SIGNS, PLACE TYPE III BARRICADES TO CLOSE NC-770 TO THROUGH TRAFFIC, AND DETOUR NC-770 TRAFFIC OFF-SITE. STEP 2 - AWAY FROM TRAFFIC, COMPLETE THE FOLLOWING: 1) REMOVE EXISTING STRUCTURE AND CONSTRUCT PROPOSED STRUCTURE. (SEE ROADWAY AND STRUCTURE PLANS) 2) CONSTRUCT PROPOSED ROADWAY UP TO AND INCLUDING FINAL LAYER OF SURFACE COURSE. (SEE ROADWAY PLANS) 3) PLACE FINAL PAVEMENT MARKINGS AND TIE INTO EXISTING PAVEMENT MARKINGS. (SEE PAVEMENT MARKING PLANS) STEP 3 - REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES, ALL ROAD CLOSURE AND DETOUR SIGNING AND OPEN NC-770 TO PROPOSÉD TRAFFIC PATTERN.

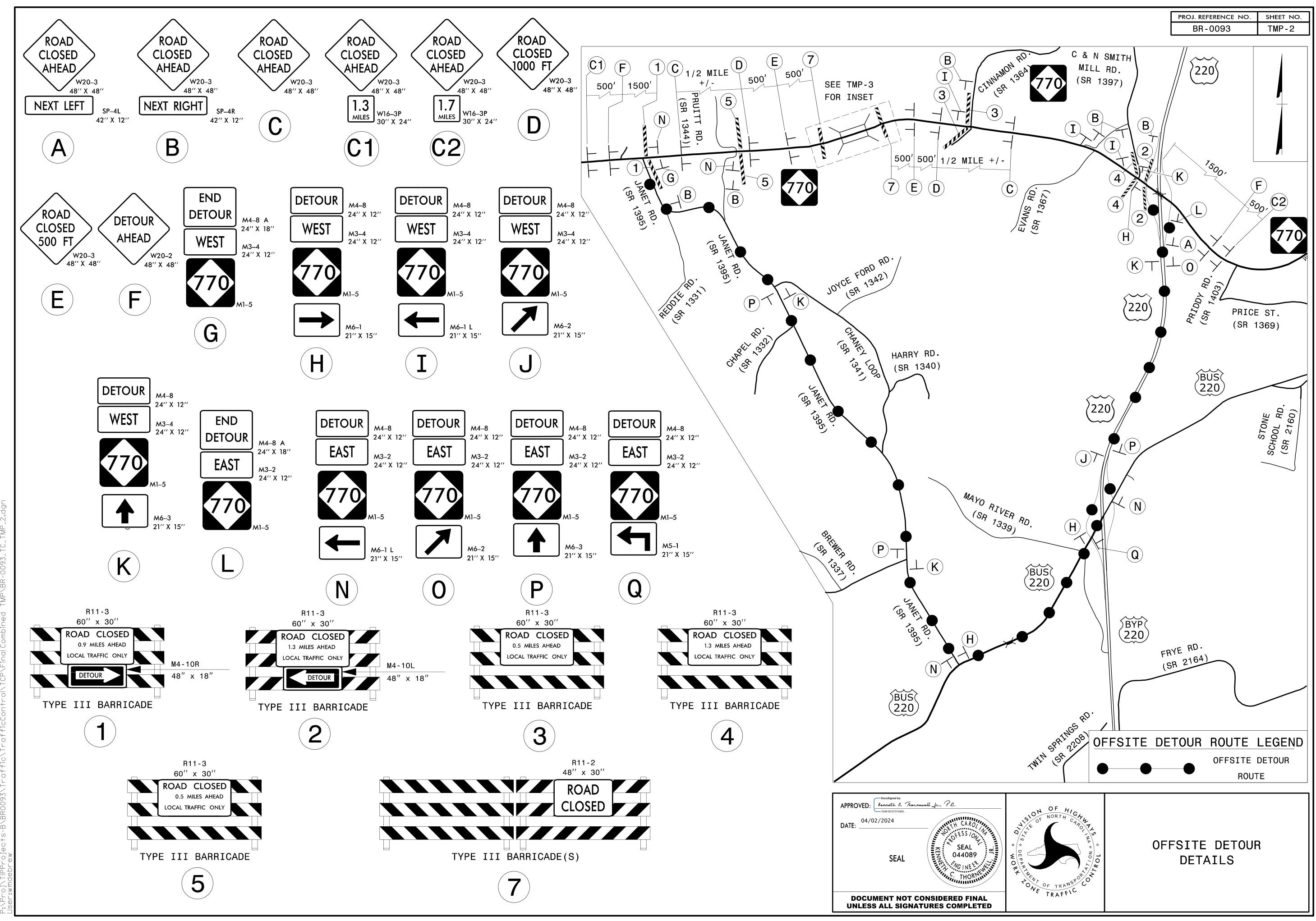
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			PROJ. REFERENCE NO. SHEET BR-0093 TMP-
	GENERAL NOTES		
	CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED		DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NORMAL 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.
	OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE	TRA	AFFIC PATTERN ALTERATIONS
	ENGINEER.		NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.
	THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.	SIG	<u>SNING</u>
١E	AND SHOULDER CLOSURE REQUIREMENTS	I)	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.
	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.	J)	PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.
	WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY		PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
	STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.	K)	COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.
	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.		COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
		L)	ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFI PATTERN.
	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		INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER. AFFIC CONTROL DEVICES
	BARRIER OR GUARDRAIL.		
	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.	N)	WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (55 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.
	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.	0)	PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2, ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
VE	MENT EDGE DROP OFF REQUIREMENTS	PAV	EMENT MARKINGS AND MARKERS
	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	P)	INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:
	EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:		ROAD NAME MARKING MARKER
	BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.		JANET RD PAINT NONE
	BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.	Q)	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.
	BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.	R)	TIE IN PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
		S)	REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

APPROVED: Kenneth C. Thornewell fr., P.C. 1E991EF27373405
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TRANSPORTATION OPERATIONS PLAN

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