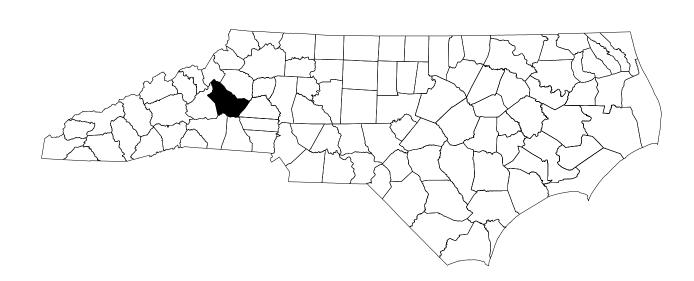
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

BURKE COUNTY



BRIDGE REHABILITATION - BRIDGE 10 OVER RHODHISS LAKE ON SR 1001 (MALCOLM BLVD.)

INDEX OF SHEETS

SHEET NO. TITLE TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS TMP - 1 LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS AND LEGEND TMP-1A TRANSPORTATION OPERATIONS PLAN AND PHASING TMP-1B SPECIAL SIGN DESIGNS TMP-2 OFFSITE DETOUR ROUTE AND ROAD CLOSURE SIGNS AND DEVICES FOR OFFSITE DETOUR ROUTE

CMS SUGGESTED MESSAGES

TMP-5

41665.

TMP-1

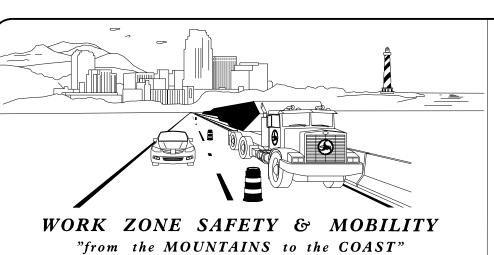
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

APPROVED: Don A. Parker

4D048286261841D...

DATE: 1/23/2018

SEAL



PLANS PREPARED BY:

KARMEN DAIS

DON PARKER, P.E. PROJECT ENGINEER

NCDOT CONTACTS:

ROGER GARRETT PROJECT DESIGN ENGINEER



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:

STD. NO. TITLE

1101.01	WORK ZONE ADVANCE 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	DRUM		
1135.01	CONES		
1145.01	BARRICADES		
1150.01	FLAGGING DEVICES		
1160.01	TEMPORARY CRASH CUSHION		
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION		
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 ROADWAYS		
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		
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING		
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY		
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING		
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING		
1262.01	GUARDRAIL END DELINEATION		
1264.01	OBJECT MARKERS - TYPES		
1264.02	OBJECT MARKERS - INSTALLATION		

PROJ. REFERENCE NO.	SHEET NO.
41665.5D	TMP-1A

LEGEND

GENERAL

DIRECTION OF TRAFFIC FLOW

DIRECTION OF PEDESTRIAN TRAFFIC FLOW

----- EXIST. PVMT.

NORTH ARROW

---- PROPOSED PVMT.

TEMP. SHORING (LOCATION PURPOSES ONLY)

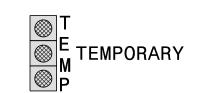
WORK AREA

REMOVAL

SIGNALS

EXISTING





PAVEMENT MARKINGS

——EXISTING LINES
——TEMPORARY LINES

TRAFFIC CONTROL DEVICES

BARRICADE (TYPE III)

CO

DRUM SKINNY DRUM O TUBULAR MARKER

TEMPORARY CRASH CUSHION

FLASHING ARROW BOARD

FLAGGER

LAW ENFORCEMENT

TRUCK MOUNTED ATTENUATOR (TMA)

CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

PORTABLE SIGN

── STATIONARY SIGN

STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

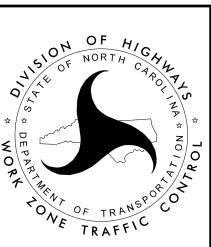
CRYSTAL/CRYSTAL

CRYSTAL/RED

YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

PAVEMENT MARKING SYMBOLS



ROADWAY STANDARD DRAWINGS & LEGEND

MANAGEMENT STRATEGIES

THE OFFSITE DETOUR ROUTE FOR THE DURATION OF THE PROJECT:

- US-70
- US-321
- SR 1933 (SOUTHWEST BLVD)

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 OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

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.

TRAFFIC PATTERN ALTERATIONS

A) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

B) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

PROVIDE SIGNING REQUIRED FOR THE OFFSITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

C) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFFSITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

D) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

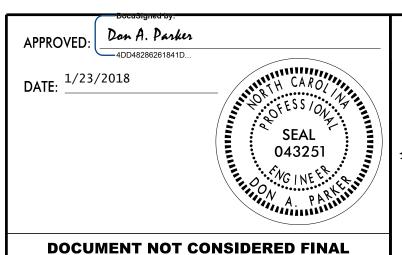
PAVEMENT MARKINGS AND MARKERS

E) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

PROJ. REFERENCE NO.	SHEET NO.
41665.5D	TMP-1B

PHASING

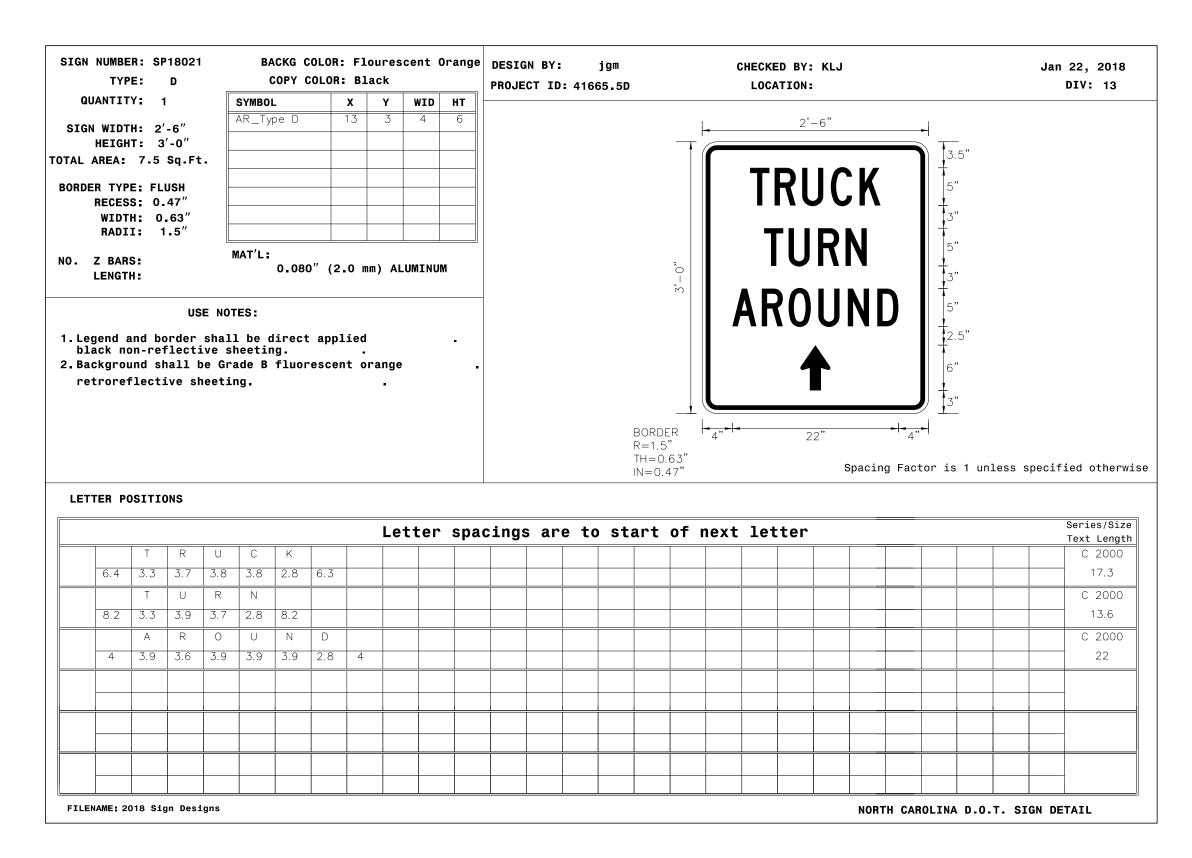
- STEP 1. THIRTY (30) DAYS PRIOR TO ROAD CLOSURE, OR AS DIRECTED BY THE ENGINEER, ACTIVATE CMS BOARDS NOTIFYING PUBLIC OF UPCOMING CLOSURE.
- STEP 2. USING ROADWAY STANDARD DRAWINGS 1101.03, SHEET 1, TMP-3, TMP-4, AND TMP-5, INSTALL OFFSITE DETOUR SIGNS AND TRAFFIC CONTROL DEVICES AND CLOSE SR 1001 (MALCOLM BLVD / CONNELLY SPRINGS RD) TO TRAFFIC. INSTALL WATER FILLED BARRIER STAGGERED AT BRIDGE CLOSURE POINT BEHIND THE BARRICADES.
- STEP 3. COMPLETE BRIDGE REHABILITATION IN ACCORDANCE WITH STRUCTURE PLANS.
- STEP 4. REMOVE ALL TRAFFIC CONTROL DEVICES AND DETOUR SIGNS AND OPEN SR 1001 (MALCOLM BLVD / CONNELLY SPRINGS ROAD) TO TRAFFIC.

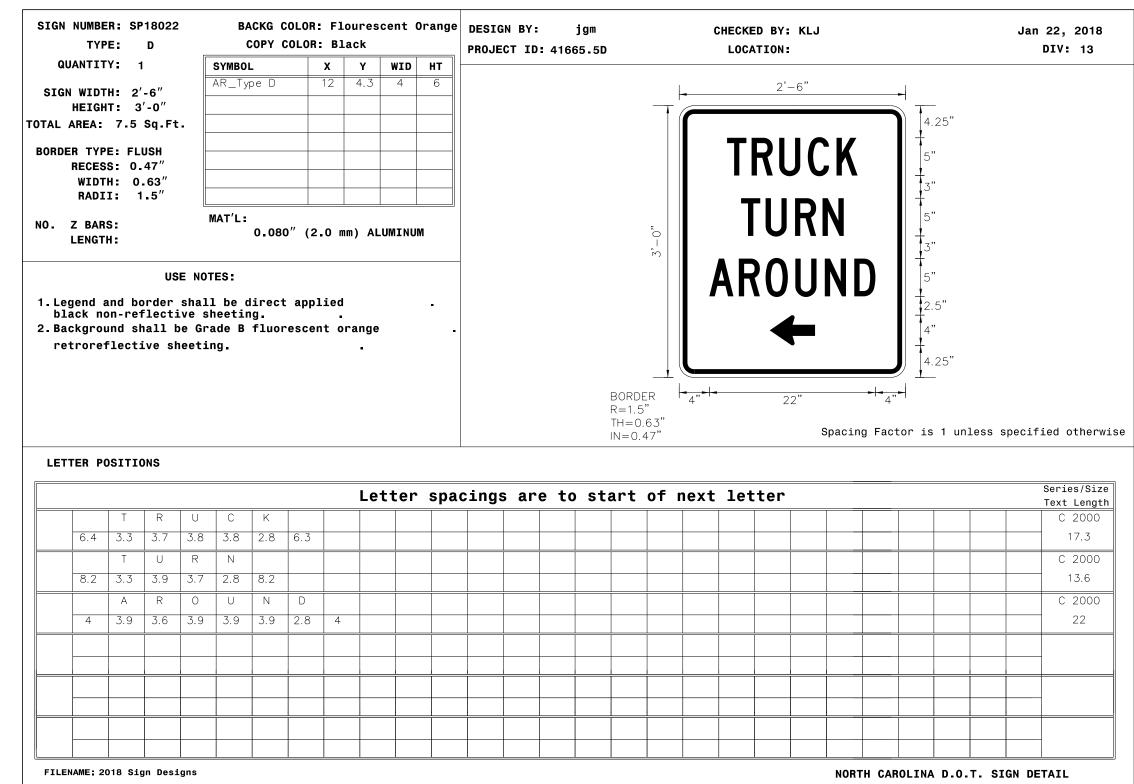


UNLESS ALL SIGNATURES COMPLETED

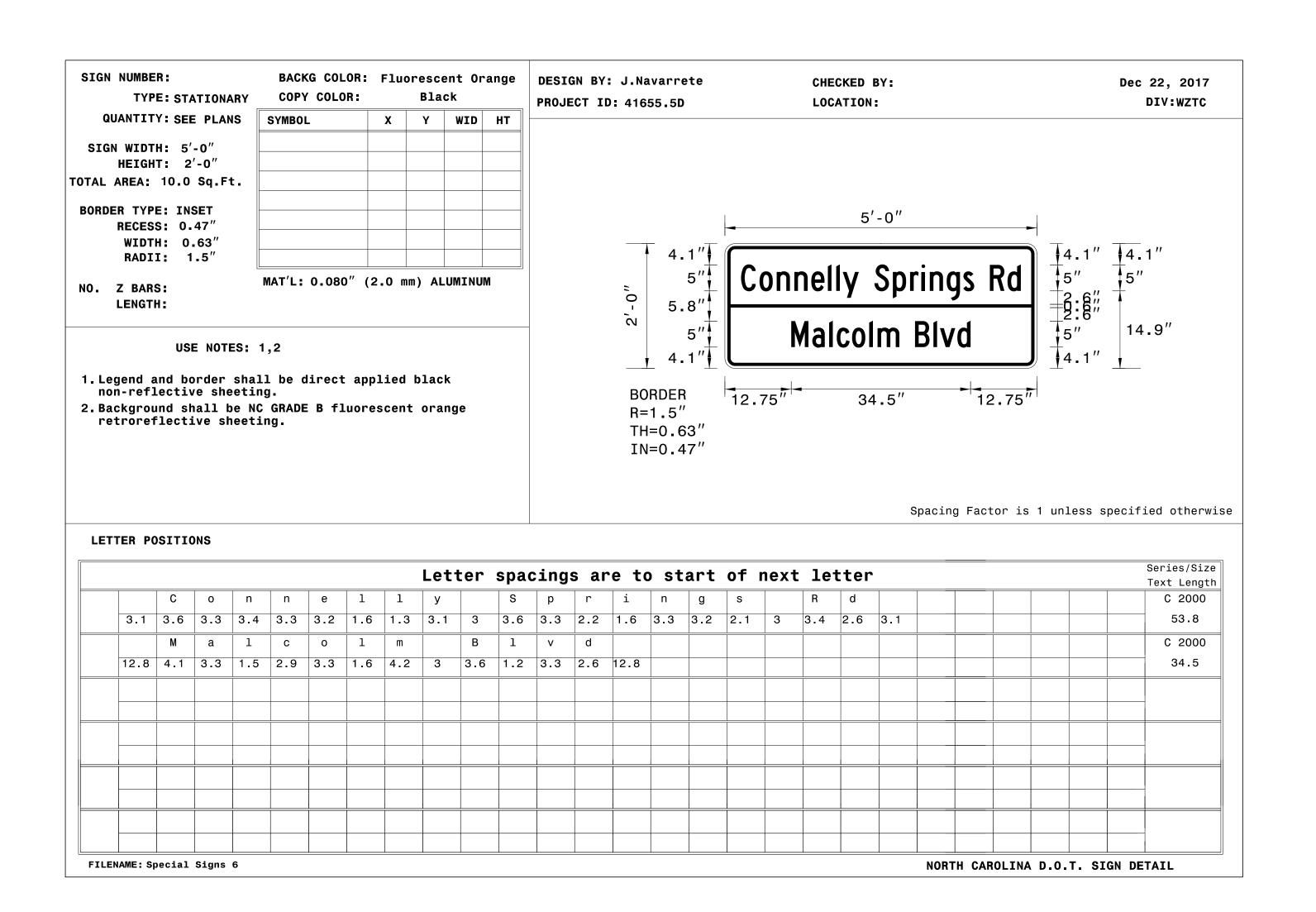
OF HIGH NORTH CARPOLLES WORTH CARPOLLES TRAFFIC

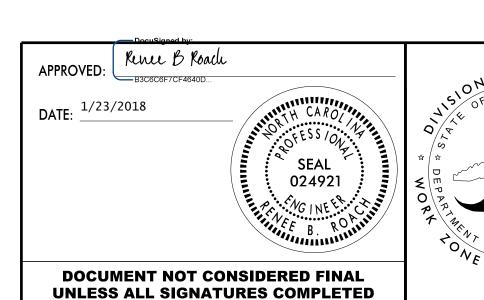
TRANSPORTATION
OPERATIONS
PLAN AND PHASING





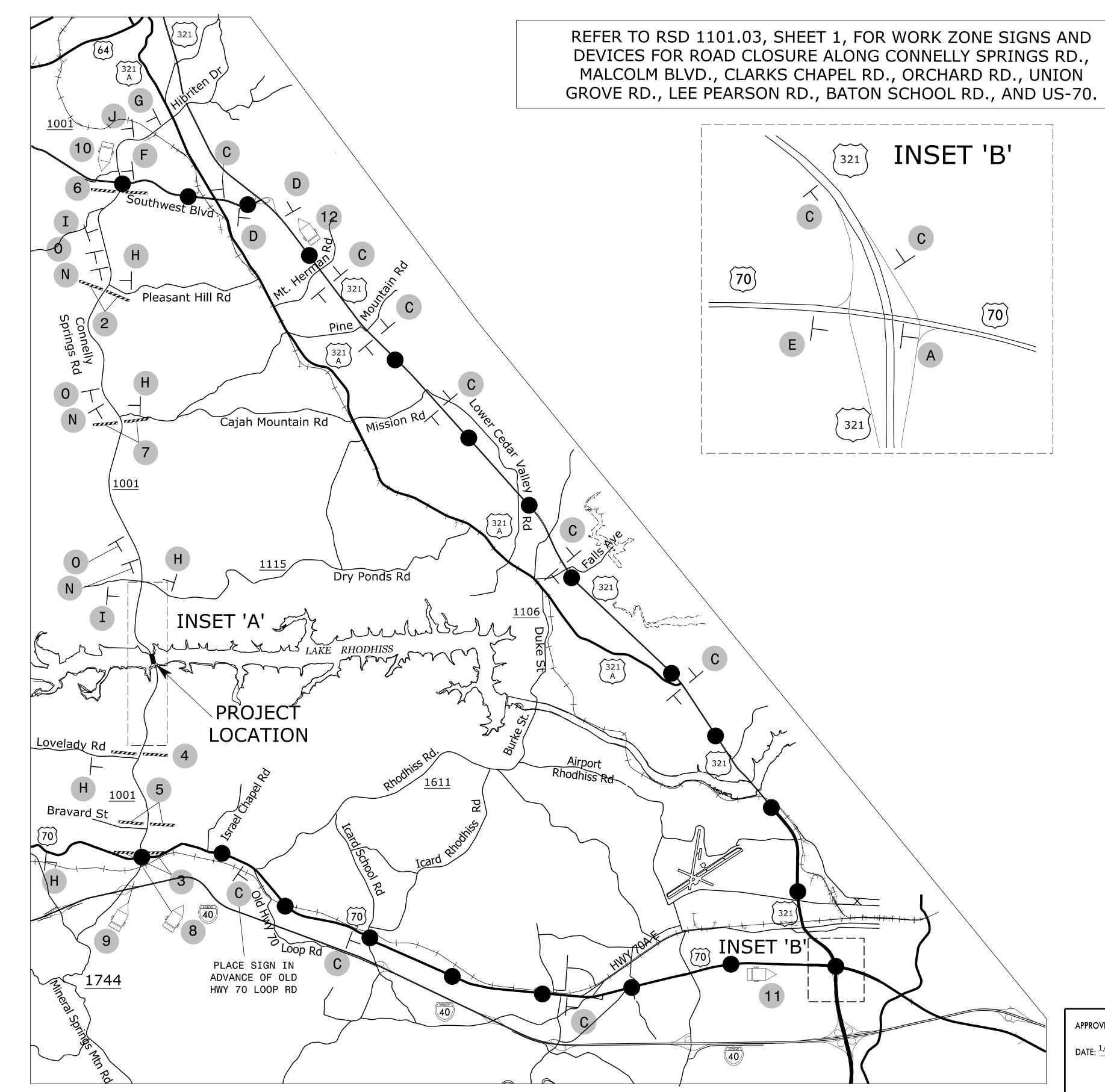
PROJ. REFERENCE NO. SHEET NO. 41665.5D TMP-2

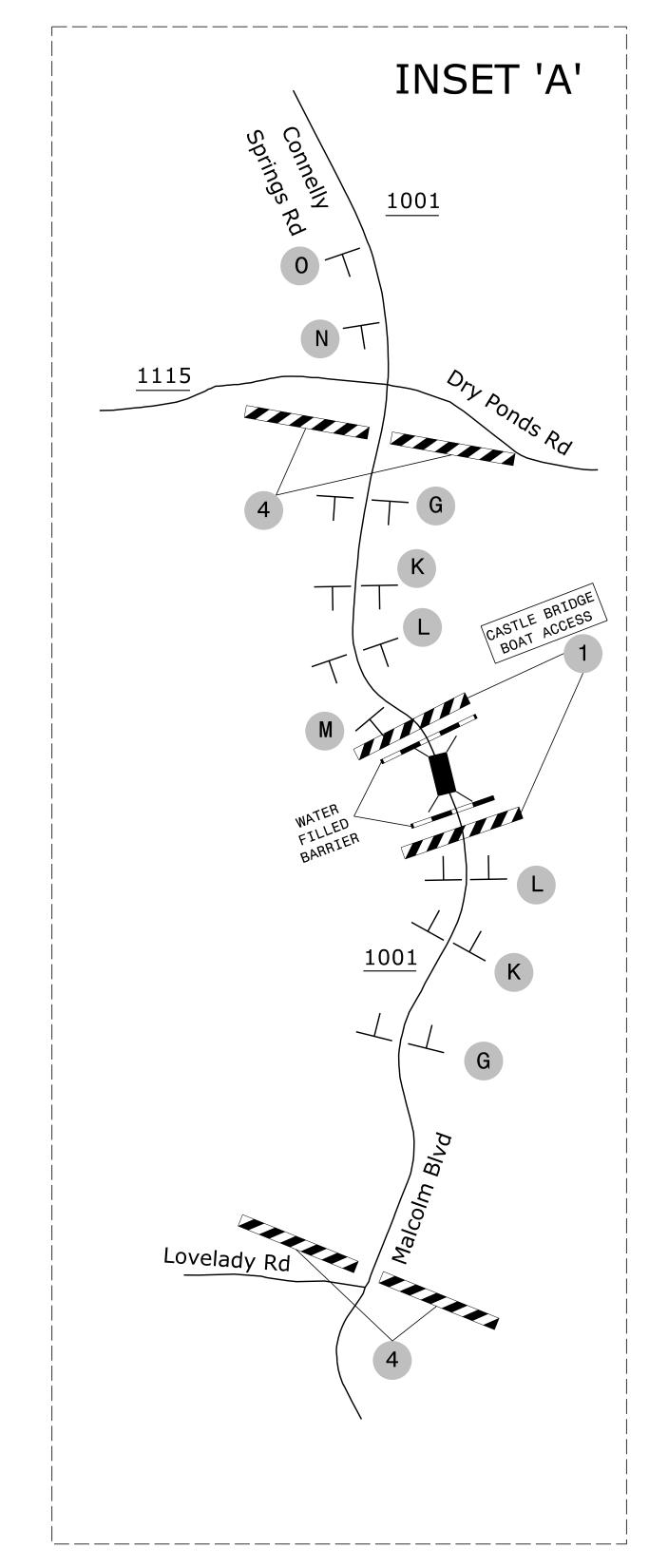


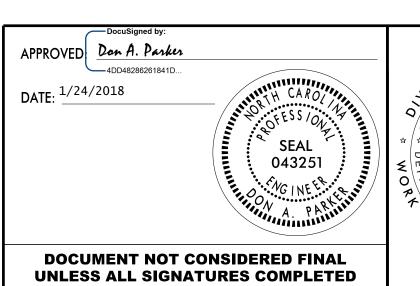


SPECIAL SIGN DESIGNS

TMP-3 41665.5D

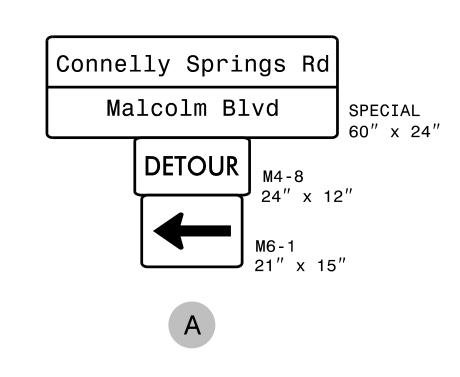


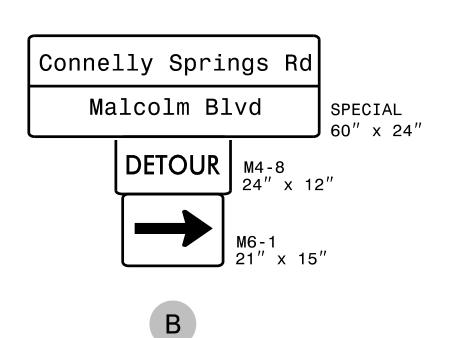


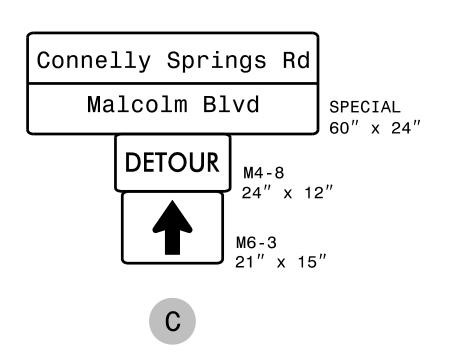


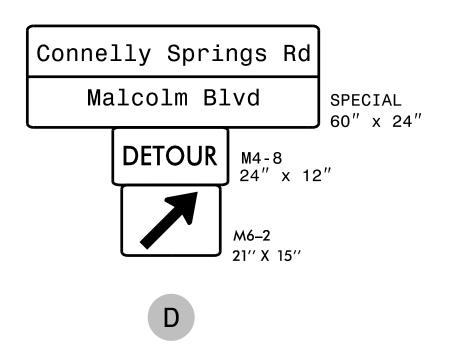
OFFSITE DETOUR ROUTE AND ROAD CLOSURE

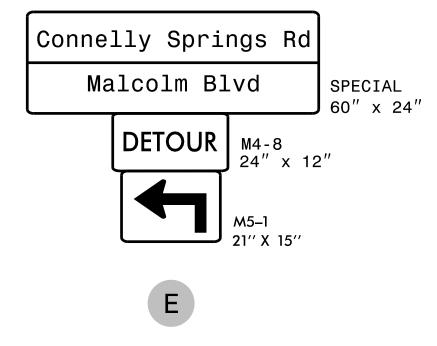


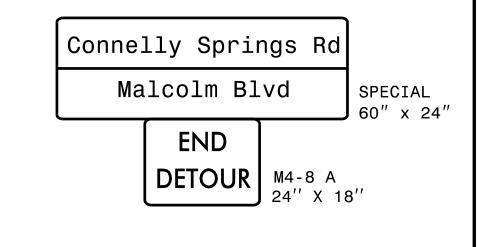






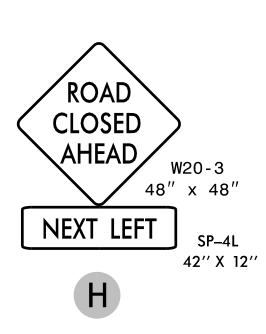


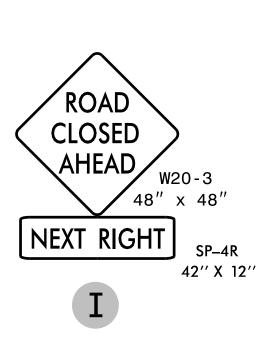


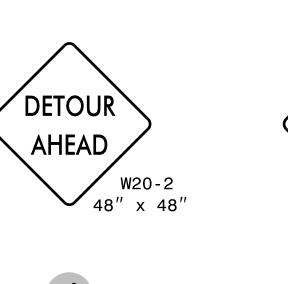


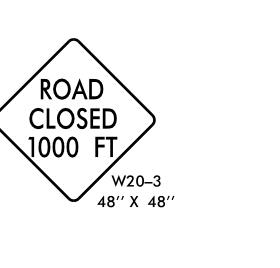


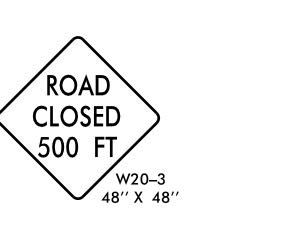
G

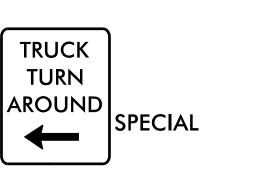


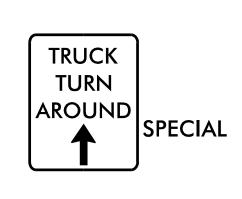


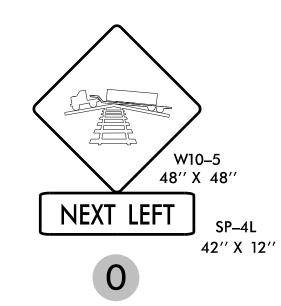


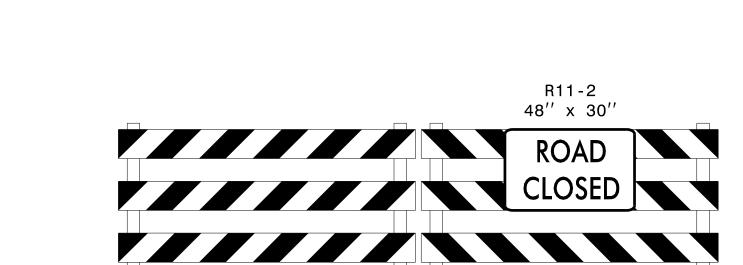


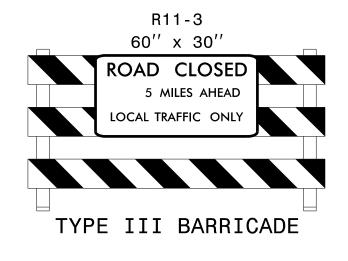


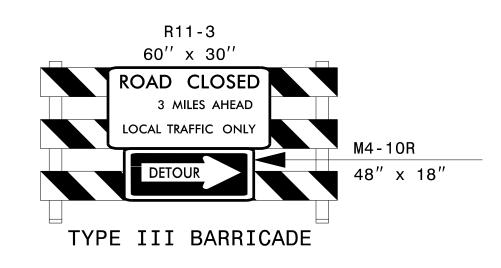


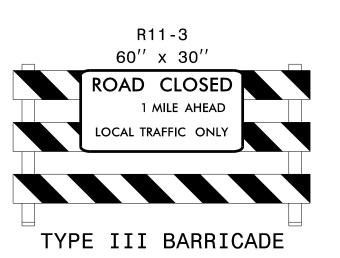














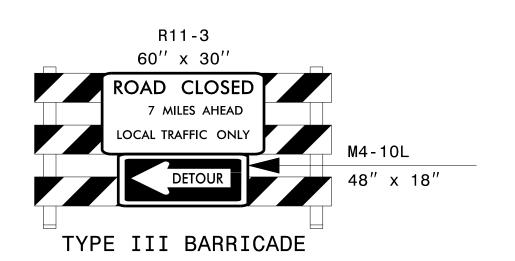
TYPE III BARRICADE(S)

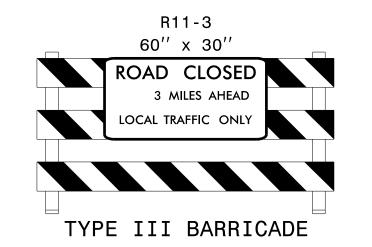


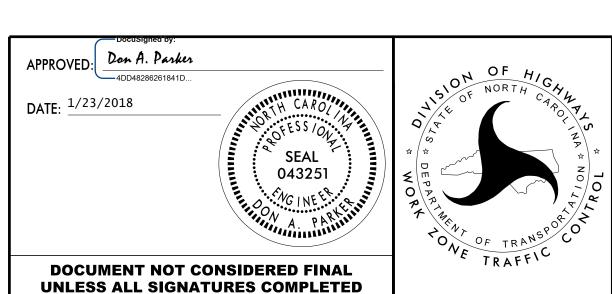




















PROJ. REFERENCE NO. SHEET NO. 41665.5D TMP-5

BEFORE ROAD CLOSURE

MESSAGE MESSAGE NO. 1 NO. 2 ROAD STARTING CLOSED

AT LAKE CHANGEABLE MESSAGE SIGN

DURING ROAD CLOSURE

MESSAGE MESSAGE NO. 1 NO. 2 ROAD DETOUR CLOSED RIGHT AT SIGNAL AT LAKE

CHANGEABLE MESSAGE SIGN

BEFORE ROAD CLOSURE

DURING ROAD CLOSURE

MESSAGE

NO. 1

ROAD

MESSAGE MESSAGE NO. 1 NO. 2 ROAD STARTING CLOSED AT LAKE

CHANGEABLE MESSAGE

SIGN

CLOSED USE AT LAKE US 70 E CHANGEABLE MESSAGE SIGN

MESSAGE

NO. 2 DETOUR

THIS CMS NEEDS TO BE LOCATED IN ADVANCE OF ALPINE ST DUE TO LIMITED SHOULDER AREA

BEFORE ROAD CLOSURE DURING ROAD CLOSURE

MESSAGE MESSAGE NO. 2 ROAD STARTING CLOSED AT LAKE

CHANGEABLE MESSAGE

MESSAGE MESSAGE NO. 1 NO. 2 DETOUR ROAD CLOSED NEXT LEFT CHANGEABLE MESSAGE

DURING ROAD CLOSURE

MESSAGE MESSAGE NO. 2 USE CONNELLY MALCOLM US 321 DETOUR NORTH CHANGEABLE MESSAGE

DURING ROAD CLOSURE

MESSAGE MESSAGE NO. 2 USE CONNELLY MALCOLM OFF RAMP 1000 FT DETOUR CHANGEABLE MESSAGE

NOTE: USE CHANGEABLE MESSAGE SIGNS TO ADVERTISE ROAD CLOSURE 30 DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. LOCATIONS OF CMS FOR ADVERTISEMENT SHALL BE DETERMINED BY THE ENGINEER.

NOTE: USE 3 DRUMS TO DELINEATE EACH CMS ALONG SHOULDER LOCATIONS.

> APPROVED: Don A. Parker DATE: 1/24/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CMS SUGGESTED **MESSAGES**