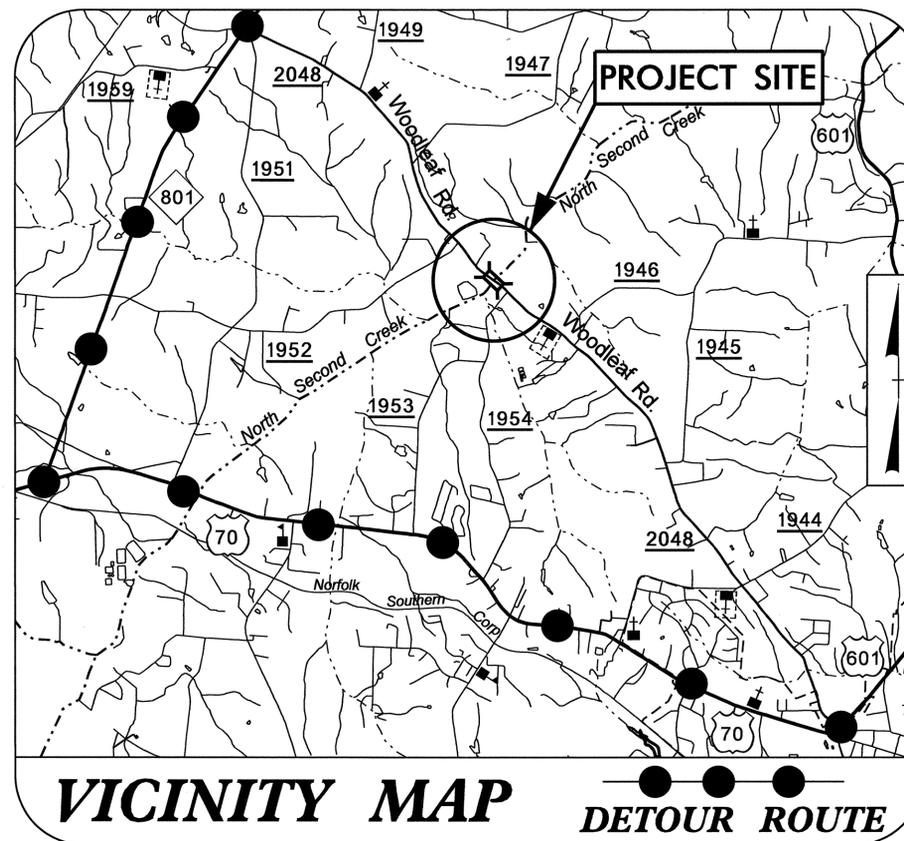


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

ROWAN



LOCATION: BRIDGE NO. 25 OVER
NORTH SECOND CREEK
ON SR 2048
(WOODLEAF RD)

TYPE OF WORK: GRADING, PAVING,
DRAINAGE, AND
STRUCTURE

VICINITY MAP

DETOUR ROUTE

INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-1B	TRANSPORTATION OPERATIONS PLAN: (GENERAL NOTES, MANAGEMENT STRATEGIES, LOCAL NOTES, AND PHASING)
TMP-2	OFF-SITE DETOUR
TMP-3	ROAD CLOSURE
SD-1	SPECIAL SIGN DESIGN

SHEET NO.
TMP-1

B-4629

TIP PROJECT:

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andissette AT 1E24360L



N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561
750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)
PHONE: (919) 773-2800 FAX: (919) 771-2745

J. S. BOURNE, P.E. STATE TRAFFIC MANAGEMENT ENGINEER
J. S. KITE, P.E. TRAFFIC CONTROL PROJECT ENGINEER
D. W. BISSETTE, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER
L. K. DONALDSON, P.E. TRAFFIC CONTROL DESIGN ENGINEER



APPROVED: *David W. Bissette*
DATE: Jan 30, 2012

SEAL



ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

<u>STD. NO.</u>	<u>TITLE</u>
1101.03	TEMPORARY ROAD CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1145.01	BARRICADES

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.

WORK AREA

REMOVAL

USER DEFINED (IF NEEDED)

USER DEFINED (IF NEEDED)

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM SKINNY DRUM TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW PANEL (TYPE C)
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

SIGNALS

- EXISTING PROPOSED TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

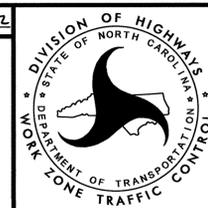
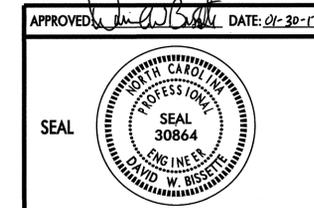
PAVEMENT MARKERS

- CRYSTAL/CRYSTAL
- CRYSTAL/RED
- YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

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ROADWAY STANDARD
DRAWINGS & LEGEND

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.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- A) 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.

- B) 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

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

SIGNING

- D) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.
- E) PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- F) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.
- G) COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- H) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- I) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

MANAGEMENT STRATEGIES

- CLOSE THE ROAD
- DETOUR THRU TRAFFIC OFF SITE
- MAINTAIN LOCAL TRAFFIC

LOCAL NOTES

1. NOTIFY ROWAN COUNTY SCHOOLS (704-639-3051) AND ROWAN COUNTY EMERGENCY SERVICES (704-216-8920) AT LEAST ONE MONTH PRIOR TO ROAD CLOSURE.
2. ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE; FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
3. MAINTAIN LOCAL TRAFFIC WITHIN ROAD CLOSURE.

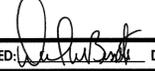
PHASING

- STEP 1 INSTALL SIGNS AND BARRICADES CLOSING SR 2048 (WOOD LEAF RD) TO THROUGH TRAFFIC AS SHOWN ON TMP-2 AND TMP-3 AND IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9. (SEE LOCAL NOTES 1 AND 2)

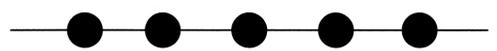
THE CHANGEABLE MESSAGE SIGN (CMS) ON WOODLEAF ROAD LABELED 'P' SHALL DISPLAY THE "PRECONSTRUCTION" MESSAGES FOR 1 MONTH PRIOR TO ROAD CLOSURE AND SHALL DISPLAY THE "DURING CONSTRUCTION" MESSAGES FOR 2 WEEKS AFTER THE ROAD IS CLOSED. THE CMS MAY BE REMOVED ONCE THE ROAD HAS BEEN CLOSED FOR TWO WEEKS.

- STEP 2 PERFORM THE FOLLOWING WITHIN THE ROAD CLOSURE: (SEE LOCAL NOTE NO. 3)
- REMOVE THE EXISTING STRUCTURE
 - CONSTRUCT THE PROPOSED STRUCTURE
 - CONSTRUCT THE PROPOSED ROADWAY SECTION -L- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE FROM STATION 11+50 TO STATION 19+50
- STEP 3 PLACE THE FINAL LAYER OF SURFACE COURSE FROM STATION 11+50 TO STATION 19+50 AND FINAL PAVEMENT MARKINGS.
- STEP 4 REMOVE ALL BARRICADES AND WORK ZONE SIGNS AND OPEN SR 2048 TO THROUGH TRAFFIC.

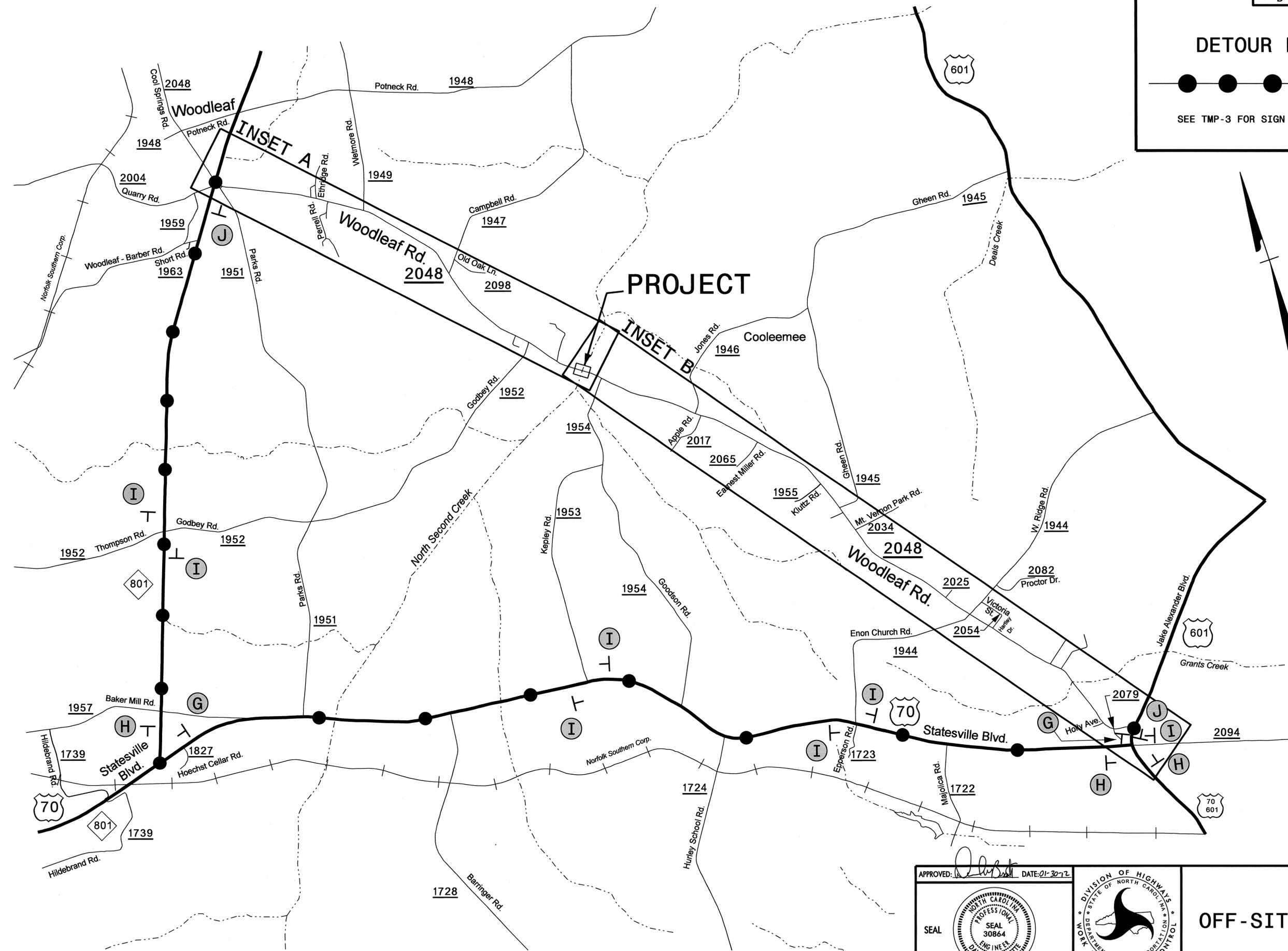
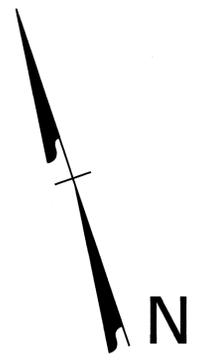
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 cwissette AT 1E24360L

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DETOUR ROUTE

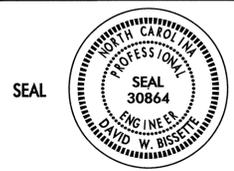


SEE TMP-3 FOR SIGN LEGEND/LABELS

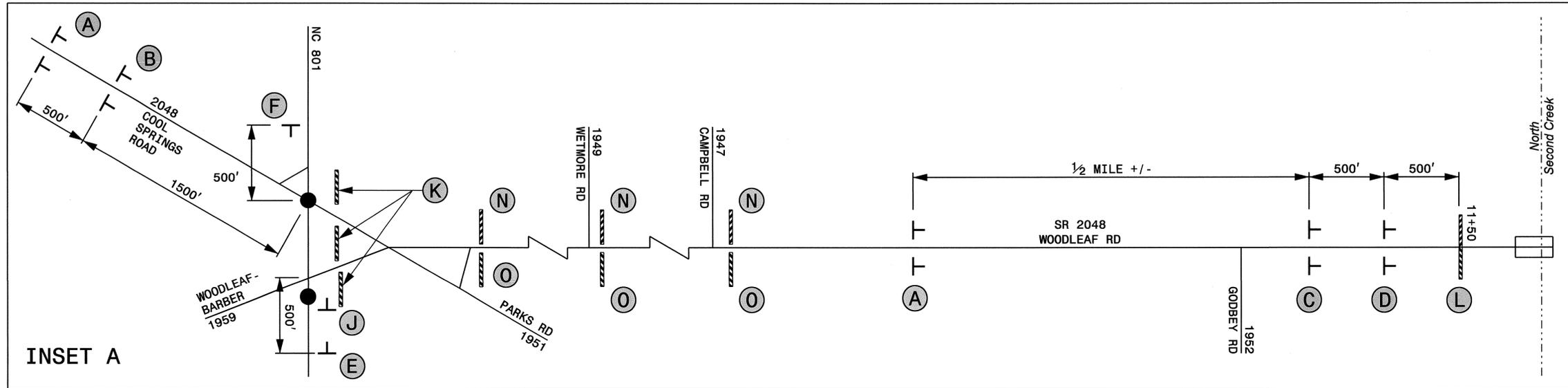


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APPROVED: *[Signature]* DATE: 01-30-12



OFF-SITE DETOUR



INSET A

PRECONSTRUCTION

MESSAGE NO. 1	MESSAGE NO. 2
WOODLEAF BRIDGE CLOSED	STARTING XX/XX/12

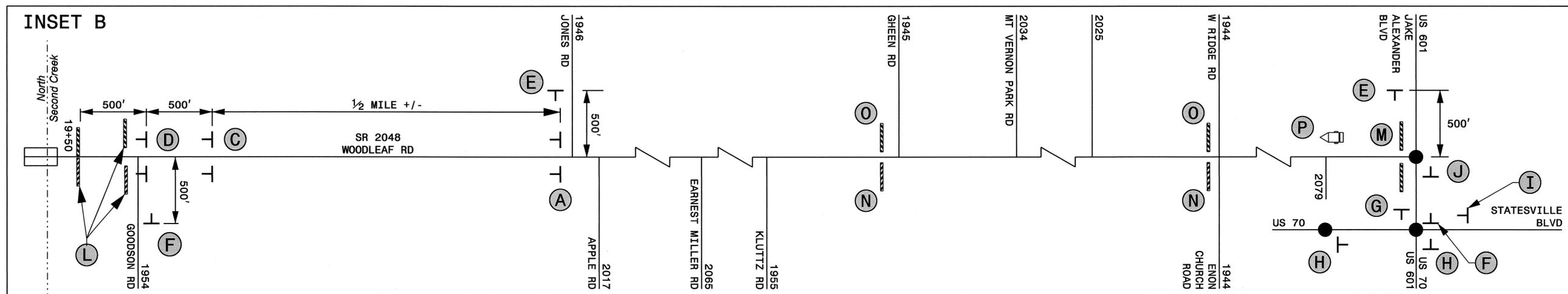
CHANGEABLE MESSAGE SIGN

DURING CONSTRUCTION

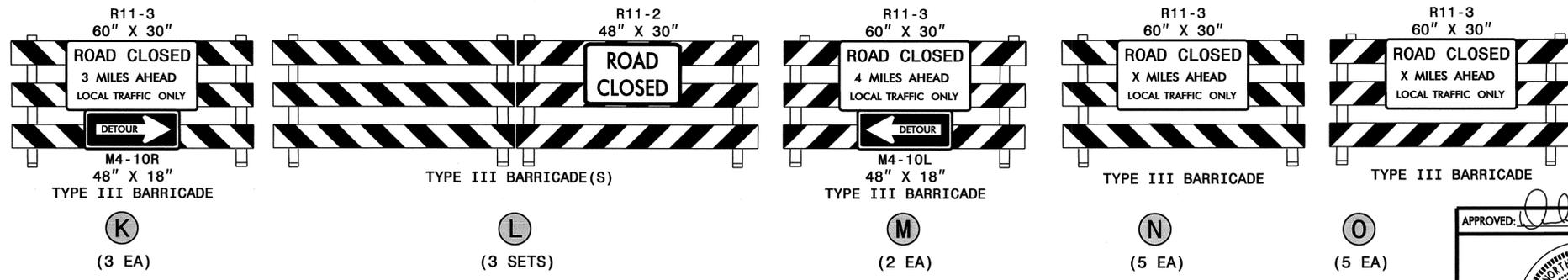
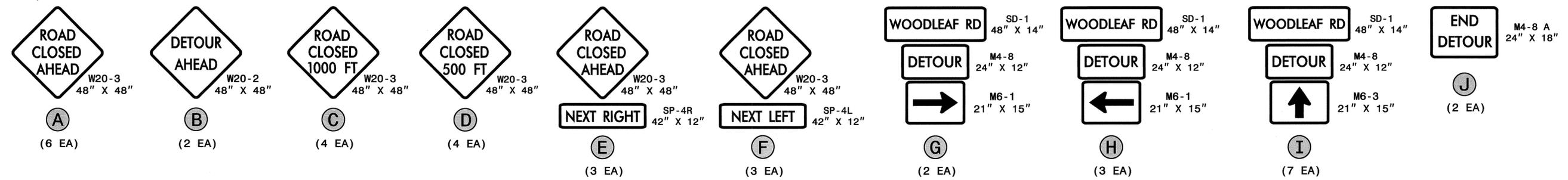
MESSAGE NO. 1	MESSAGE NO. 2
WOODLEAF BRIDGE CLOSED	4 MILES AHEAD

CHANGEABLE MESSAGE SIGN

(P)
(1 EA)

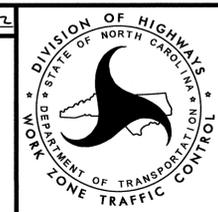


INSET B



APPROVED: [Signature] DATE: 01-30-12

SEAL
 PROFESSIONAL ENGINEER
 SEAL 30864
 DAVID W. BISSETTE



ROAD CLOSURE

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