


# MANAGEMENT STRATEGIES

SEE PROJECT CONTRACT FOR AREA (SEGMENT) AVAILABILITY DATES

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-1B
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

## AREA 4

ALL EXISTING I-40 CONCRETE SLAB REPAIRS WILL BE CONDUCTED USING LANE CLOSURES DURING VARIOUS PHASES OF CONSTRUCTION.

PHASE 1, STEP 1: I-40 (-Y15-) WILL REMAIN IN THE EXISTING PATTERN AND UTILIZE LANE CLOSURES/NARROWING TO CONSTRUCT TEMPORARY PAVEMENT TO THE INSIDE EB LANES. NEW LOCATION WORK IN THE INTERCHANGE, INCLUDING STAGE 1 CULVERT AND BRIDGES, WILL BEGIN IN PHASE 1, STEP 1, AWAY FROM TRAFFIC. DEMOLITION OF THE EXISTING OAK GROVE CHURCH ROAD BRIDGE WILL ALSO BEGIN. CONSTRUCTION OF MULTIPLE TURN-AROUNDS WILL NEED TO BE COMPLETED.

PHASE 1, STEP 2: SHIFT EB I-40 (-Y15-) TRAFFIC ONTO TEMPORARY PAVEMENT AND CONSTRUCT OUTSIDE WIDENING, INCLUDING ADDITIONAL TEMPORARY PAVEMENT ALONG PROPOSED. COMPLETE STAGE 1 CULVERT CONSTRUCTION AND STREAM RELOCATION AND CONSTRUCT -Y15XOVR3-. CONSTRUCT OUTSIDE TEMPORARY PAVEMENT ON EXISTING -UXRPB- ENTRANCE RAMP. DURING AN ICT IN PHASE 1, STEP 2A, EXIT RAMP (-UXRPC-) FOR EB I-40 (-Y15-) TO UNION CROSS RD WILL BE TEMPORARILY CLOSED FOR CONSTRUCTION USING AN OFF-SITE DETOUR, THEN RE-OPENED TO TRAFFIC.

PHASE 2: EB I-40 TRAFFIC WILL BE SHIFTED TOWARD THE OUTSIDE AND ONTO THE NEW -Y15REV- ALIGNMENT. WB I-40 WILL BE SHIFTED ONTO THE OUTSIDE SHOULDER. THE INSIDE LANE OF -Y15-/-Y15REV- AND TEMPORARY CROSSOVERS ON I-40 WILL BE CONSTRUCTED BEHIND BARRIER. THE PORTION OF OAK GROVE CHURCH RD SPANNING EXISTING EB I-40 (-Y15-) WILL BE REMOVED AWAY FROM TRAFFIC.

PHASE 3, STEP 1: WB I-40 TRAFFIC WILL BE SHIFTED ONTO THE EB SIDE OF THE NEW (-Y15REV-) ALIGNMENT UTILIZING TEMPORARY ALIGNMENT CROSSOVERS. CONTINUE CONSTRUCTION OF I-40 NEW ALIGNMENT (-Y15REV-), INCLUDING ADDITIONAL STRUCTURE CONSTRUCTION OVER -Y15REV-. AWAY FROM TRAFFIC, REMOVE EXISTING I-40 (-Y15-) PAVEMENT AND CONSTRUCT REMAINDER OF WINSTON-SALEM NORTHERN BELTWAY (-L-) IN THIS AREA. THE REMAINDER OF THE OAK GROVE CHURCH ROAD BRIDGE CAN NOW BE REMOVED AWAY FROM TRAFFIC.

PHASE 3, STEP 2: WB I-40 TRAFFIC IS SHIFTED FROM THE PROPOSED EB -Y15REV- ALIGNMENT TO THE PROPOSED WB LANES IN A TEMPORARY PATTERN AND THE MEDIAN LANES ARE CONSTRUCTED IN THE AREAS OF THE CROSSOVERS AS WELL AS COMPLETION OF THE MEDIAN BARRIER ALONG -Y15REV-.

PHASE 4: EB & WB I-40 (-Y15-/-Y15REV-) IS PLACED IN A TEMPORARY PATTERN WHILE THE REMAINDER OF THE OUTSIDE CONSTRUCTION ON WB I-40 IS COMPLETED, INCLUDING NOISE WALL. TEMPORARY PAVEMENT OFF OF PROPOSED WILL BE REMOVED AND REMAINING OF SHOULDER WORK IN THOSE AREAS WILL BE COMPLETED. DURING AN ICT IN PHASE 4, STEP 1A, ENTRANCE RAMP (-UXRPB-) FROM UNION CROSS RD TO WB I-40 (-Y15-) WILL BE TEMPORARILY CLOSED FOR CONSTRUCTION USING AN OFFSITE DETOUR, THEN RE-OPENED TO TRAFFIC.

## AREA 5

GLENN HI RD (-Y16-) WILL REMAIN IN EXISTING PATTERNS DURING TEMPORARY PAVEMENT (-Y16DET-) CONSTRUCTION. MAINTAIN DRIVEWAY ACCESS TO FARMLAND AND RESIDENCE UNTIL -Y16- IS CONSTRUCTED.

ONCE TEMPORARY PAVEMENT (-Y16DET-) IS COMPLETE, TRAFFIC WILL BE SHIFTED ONTO TEMPORARY PAVEMENT TO CONSTRUCT GLENN HI RD (-Y16-). MAINTAIN ACCESS TO YEATON GLEN DRIVE (-Y16B-) DURING CONSTRUCTION.

## AREA 1

MAINLINE -L- FROM STA. 73+00 +/- TO STA. 733+00 +/- AND PORTION OF RAMPS WILL BE CONSTRUCTED AS MUCH AS POSSIBLE WITHOUT PROHIBITING RESIDENTIAL ACCESS. MAINLINE -L- CONSTRUCTION WILL BE COMPLETED ONCE TURN-AROUNDS / CUL-DE-SACS ARE CONSTRUCTED AND SERVICE ROADS ARE COMPLETED AND OPEN TO TRAFFIC TO MAINTAIN ACCESS TO ALL PRIVATE PROPERTIES.

## AREA 2

SEDE GARDEN RD (-Y1B-) WILL REMAIN IN EXISTING PATTERNS DURING TEMPORARY PAVEMENT (-Y1BDET-) CONSTRUCTION. SCHOOL VIEW RD AND OLD WINSTON RD WILL BE PERMANENTLY CLOSED.

TRAFFIC WILL BE SHIFTED TO THE ON-SITE DETOUR (-Y1BDET-) TO CONSTRUCT PROPOSED SEDE GARDEN RD (-Y1B-).

## AREA 3

KERNERSVILLE RD (-Y4-) WILL REMAIN IN EXISTING PATTERNS DURING TEMPORARY PAVEMENT (-Y4DET-) CONSTRUCTION. PROPOSED OUTSIDE WIDENING WILL BE CONSTRUCTED ON THE RIGHT SIDE FOR TEMPORARY PAVEMENT CONNECTIONS ON KERNERSVILLE RD (-Y4-).

ONCE TEMPORARY PAVEMENT (-Y4DET-) IS COMPLETE, TRAFFIC WILL BE SHIFTED ONTO TEMPORARY ALIGNMENT TO CONSTRUCT REMAINDER OF KERNERSVILLE RD (-Y4-) INCLUDING BRIDGE OVER WINSTON-SALEM NORTHERN BELTWAY (-L-). COMPLETE CONSTRUCTION OF LINVILLE RD (-Y4A-) AND SEDE GARDEN RD (-Y1B- AND -Y1-).

SHIFT TRAFFIC ONTO KERNERSVILLE RD (-Y4-) IN A TEMPORARY DDI PATTERN WITH ALL RAMPS CLOSED THEN REMOVE TEMPORARY PAVEMENT (-Y4DET-) AND CONSTRUCT REMAINING MONOLITHIC AND MEDIAN ISLANDS, CURB & GUTTER, AND SIDEWALK USING LANE CLOSURES/NARROWING. THIS WORK WILL BE COMPLETED DURING A 240 DAY ICT AND THEN ALL ROADS WILL OPEN TO THE FINAL PATTERN.

## 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.

### TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
I-40 (-Y15-/-Y15REV-)	MONDAY - FRIDAY 5:00 A.M. - 9:00 P.M. SATURDAY 7:00 A.M. - 7:00 P.M. SUNDAY 9:00 A.M. - 8:00 P.M.
KERNERSVILLE RD (-Y4-)	MONDAY - FRIDAY 6:00 A.M. - 7:00 P.M.
SEDE GARDEN RD (-Y1-/-Y1B-) LINVILLE RD (-Y4A-) GLENN HI RD (-Y16-)	MONDAY - FRIDAY 6:00 A.M. - 9:00 A.M. 3:00 P.M. - 6:00 P.M.

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME	HOLIDAY
I-40 (-Y15-/-Y15REV-)	1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER. 2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 5:00 A.M. DECEMBER 31st TO 9:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 P.M. THE FOLLOWING TUESDAY. 3. FOR EASTER, BETWEEN THE HOURS OF 5:00 A.M. THURSDAY AND 9:00 P.M. MONDAY. 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 5:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY. 5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 5:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 5:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY. 6. FOR LABOR DAY, BETWEEN THE HOURS OF 5:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY. 7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 5:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.

- FOR CHRISTMAS, BETWEEN THE HOURS OF 5:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- FOR WAKE FOREST UNIVERSITY EVENTS OCCURING AT TRUIST FIELD AT WAKE FOREST, BETWEEN FOUR (4) HOURS BEFORE THE START AND FOUR (4) HOURS AFTER THE END OF EACH EVENT.
- FOR THE CAROLINA CLASSIC FAIR IN WINSTON-SALEM BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE THE START OF THE FAIR AND 7:00 P.M. THE FOLLOWING DAY AFTER THE END OF THE FAIR.

### ROAD NAME

KERNERSVILLE RD (-Y4-)

### HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 7:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 7:00 P.M. THE FOLLOWING TUESDAY.
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C) FOR RAMP CLOSURES ALLOWED IN AREA 4, PHASE 1, STEP 2A, AND AREA 4, PHASE 4, STEP 1A, DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
ON-RAMP & OFF-RAMP (-UXRPB- & -UXRPC-) AT THE I-40/UNION CROSS RD INTERCHANGE	ANYTIME ROBERT B. GLENN HIGH SCHOOL IS IN SESSION

SEGMENT 1

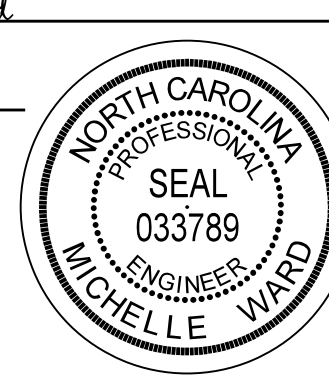
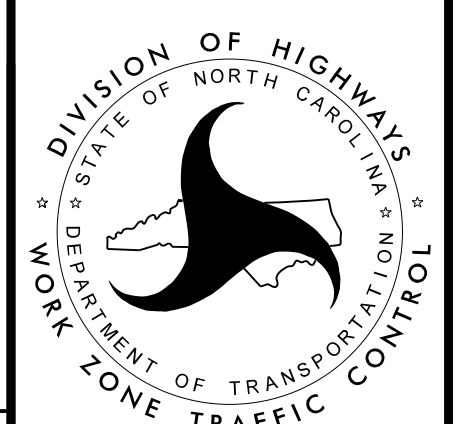
SEGMENT 2

SEGMENT 3

SEGMENT 3

REVISITONS

PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: CHARNDEN  
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 TIME: 11:24:43 AM  
 DATE: 11/22/2021

APPROVED: <i>Michelle Ward</i> DATE: 11/22/2021 SEAL 		<b>TRANSPORTATION OPERATIONS PLAN</b>
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>		