


PHASING

PROJ. REFERENCE NO.	SHEET NO.
17BP.14.R.212	TMP-3
 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	

NOTES:

BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, INSTALL ADVANCE WARNING SIGNS ON ALL ROADS, ACCORDING TO RSD 1101.01. FIELD VERIFY LOCATIONS WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.

MAINTAIN ACCESS TO ALL RESIDENCES, SCHOOLS, BUS STOPS, EMERGENCY SERVICES, AND BUSINESSES AT ALL TIMES. PRIOR TO INCORPORATION, OBTAIN WRITTEN APPROVAL FROM THE ENGINEER ON METHOD TO MAINTAIN ACCESS.

COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT NO PONDING OF WATER WILL OCCUR WITHIN THE TRAVEL LANE.

MAINTAIN EXISTING DRAINAGE DITCHES AS LONG AS POSSIBLE AND FIELD ADJUST TO TIE TO PROPOSED DRAINAGE TO EXISTING PIPES OR DITCHES.

WHEN WEDGING OVER THE EXISTING PAVEMENT, WEDGE TO PROPOSED ELEVATION (LESS THE FINAL LAYER OF SURFACE COURSE), OR WEDGE AS NEEDED TO MAINTAIN TRAFFIC. MAINTAIN POSITIVE DRAINAGE AND MAINTAIN A MAXIMUM .04 ROLLOVER IN BOTH EXISTING AND/OR TEMPORARY TRAVEL LANES.

REPLACE MARKINGS AND RETURN TRAFFIC TO THE CURRENT TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

WHEN USING LANE CLOSURES (RSD 1101.02), RETURN TRAFFIC TO EXISTING AND/OR CURRENT TEMPORARY TRAFFIC PATTERN UPON ACTIVITIES COMPLETION, UNLESS OTHERWISE NOTED IN THE PHASING.

WHEN PHASING STATES TO USE LANE CLOSURES, REFER TO THE FOLLOWING FOR ALL EXISTING AND PROPOSED ROADS:

- ALL TWO-LANE/TWO-WAY FACILITIES - SEE RSD 1101.02, SHEET 1 OF 14

FOR ALL SHOULDER CLOSURES, SEE RSD 1101.04.

COMPLETE PAVING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE UNTIL STATED TO PLACE FINAL LAYER IN THE PHASING.

PHASE 1

STEP 1: (SEE TMP-4 AND TMP-5)

AWAY FROM TRAFFIC AND USING LANE CLOSURES, AS NECESSARY, BEGIN CONSTRUCTION OF PROPOSED ROADWAY AND ROUNDABOUT FROM -L- STA. 11+14 +/- TO -L- STA. 22+82 +/- AND FROM -L- STA. 23+62 +/- TO -L- STA. 28+00 +/-.

NOTES:

1. CONSTRUCT 8' OF TEMPORARY PAVEMENT FROM -L- STA. 23+34 +/- TO -Y1- STA. 12+30 +/-, PLACE TEMPORARY MARKINGS AND SHIFT TRAFFIC ONTO THE TEMPORARY PAVEMENT AS SHOWN ON TMP-4 PRIOR TO COMPLETING PHASE 1, STEP 1 WORK ON THE ROUNDABOUT.

AWAY FROM TRAFFIC AND USING LANE CLOSURES, AS NECESSARY, CONSTRUCT -Y1DET- FOR PHASE 1, STEP 2 TEMPORARY TRAFFIC PATTERN.

USING LANE CLOSURES, BEGIN CONSTRUCTION OF SLOPE AND DITCH WORK ALONG RIGHT SIDE OF -L- FROM STA. 27+19 +/- TO STA. 28+00 +/-.

STEP 2: (SEE TMP-6 AND TMP-7)

COMPLETE CONSTRUCTION OF -Y1DET- AND PORTION OF ROUNDABOUT BEGUN IN STEP 1, THEN AWAY FROM TRAFFIC AND USING LANE CLOSURES, AS NECESSARY, PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -Y1DET- IN THE PHASE 1, STEP 2 TRAFFIC PATTERN AND SHIFT -Y1- (PAINTER RD) TRAFFIC TO -Y1DET-, THEN CONSTRUCT THE FOLLOWING: (RETURN TRAFFIC TO THE EXISTING PATTERN AT THE END OF THE WORK PERIOD)

- REMAINING PORTION OF ROUNDABOUT
- REMAINING PORTION OF -Y1-
- -L- FROM ROUNDABOUT TO -L- STA. 23+62 +/-
- WEDGING OVER EXISTING MONTEITH GAP ROAD AT -Y2-
- TIE-IN OF -L- FROM STA. 11+14 +/- TO STA. 16+20 +/-

COMPLETE ALL CONSTRUCTION BEGUN IN STEP 1 AND STEP 2 PRIOR TO COMPLETEING THE WORK REQUIRED IN PHASE 1, STEP 2A BELOW.

STEP 2A: (SEE TMP-7)

USING A ONE-LANE / TWO-WAY TRAFFIC PATTERN DURING ALLOWABLE LANE CLOSURE TIMEFRAMES, CONSTRUCT TIE-IN ON -L- FROM STA. 26+50 +/- TO STA. 28+00 +/-, AS SHOWN IN THE PHASE 1, STEP 2A DETAIL. ONCE COMPLETE, MOVE DIRECTLY TO THE PHASE 2, STEP 1 TRAFFIC PATTERN.

PHASE 2

STEP 1: (SEE TMP-8 AND TMP-9)

AWAY FROM TRAFFIC AND USING LANE CLOSURES, AS NECESSARY, PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS IN THE PHASE 2 TRAFFIC PATTERN (FINAL PATTERN) AND SHIFT TRAFFIC, THEN CONSTRUCT THE FOLLOWING:

- REMAINDER OF -L- (RT SIDE) FROM STA. 11+14 +/- TO STA. 16+20 +/-
- CURB & GUTTER AND SIDEWALK THAT WAS OMITTED IN PHASE 1 ALONG -L- AND -Y1-
- MONOLITHIC ISLANDS AT ROUNDABOUT
- SHOULDER WORK ALONG -Y2-
- RIGHT SIDE WIDENING AND PAVING FROM -L- STA. 27+19 +/- TO STA. 28+00 +/-, OVERLAY AND SHOULDER WORK ALONG -L- ON NORTH END OF THE PROJECT
- REMOVE PORTIONS OF EXISTING ROADS AS SHOWN

STEP 2:

UPON COMPLETION OF PROPOSED ROADWAY, USING LANE CLOSURES, PLACE THE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS ACCORDING TO THE PAVEMENT MARKING PLAN AND RE-OPEN TO THE FINAL PATTERN.

STEP 3:

REMOVE ALL WORK ZONE TRAFFIC CONTROL DEVICES.

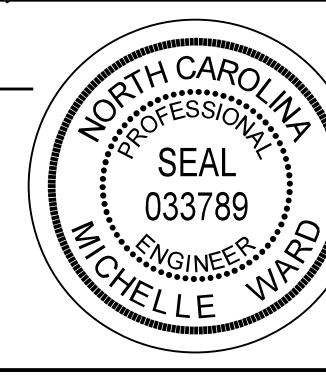
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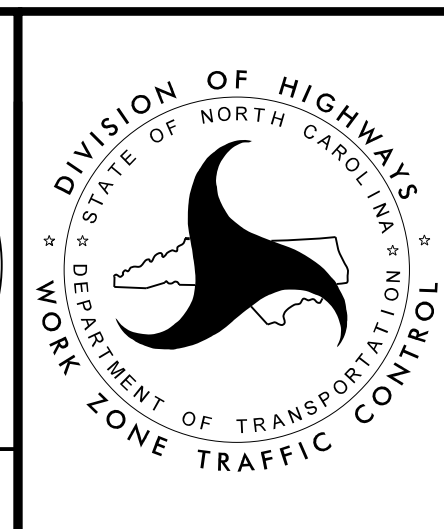
APPROVED: *Michelle Ward*

DATE: 1/21/2022

SEAL



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TEMPORARY TRAFFIC CONTROL PHASING