PROJ. REFERENCE NO.	SHEET NO.
BR-0029	TMP-3B

PHASING

ACCESS TO ALL RESIDENCES AND BUSINESSES WITHIN THE PROJECT LIMITS MUST BE MAINTAINED AT ALL TIMES.

MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION.

USE CMS DURING ALL FLAGGING AND PORTABLE SIGNAL OPERATIONS ON NC 106, EASTBOUND CMS ~5,000 feet (0.9 MILES) WEST OF -Y1- AND WESTBOUND CMS ~4,850 FEET (0.9 MILES) EAST OF -Y2- SEE INSET 3 CMS ON TMP-5.

FLAGGERS MAY BE USED IN LIEU OF THE PORTABLE SIGNAL OPERATION, WHEN APPROPRIATE AND WITH APPROVAL OF THE ENGINEER. USE FLAGGERS IN ACCORDANCE RSD 1101.02 SHEET 1 OF 14.

AS NECESSARY, USE RSD 1101.06 (SHEET 1 OF 1) FOR PLACEMENT OF ADVANCED WARNING SIGNS FOR BLASTING ZONE.

PHASE I CONT.

STEP 9:
AWAY FROM TRAFFIC AND USING RSD 1101.02, SHEETS 11 AND 14 (FOR PORTABLE SIGNALS) OF 14 AS NECESSARY, COMPLETE CONSTRUCTION UP TO BUT NOT INCLUDING FINAL SURFACE COURSE (UNLESS OTHERWISE NOTED) OF THE FOLLOWING:

- -L- STA 10+00 +/- TO STA 13+40 +/-, CONSTRUCT LEFT SIDE WIDENING TO EXISTING EDGE OF PAVEMENT. ENSURE THAT THE ELEVATION AT THE EXISTING EDGE OF PAVEMENT IS WITHIN 2”OF THE EXISTING ROADWAY ELEVATION.
- -L- STA 13+40 +/- TO STA 14+74.61 +/-, CONSTRUCT LEFT SIDE WIDENING OF -L- TO THE MINIMUM DIMENSION FROM THE PROPOSED LEFT SIDE EDGE OF PAVEMENT (EOP) AS LISTED BELOW AND AS SHOWN ON PLANS.
  - -L- STA 13+40 +/- CONSTRUCT TO EXISTING EOP
  - -L- STA 13+40 +/- TO STA 13+50 +/-, TAPER TO MINIMUM WIDTH OF 20.9’
  - -L- STA 13+50 +/- TO STA 14+00 +/-, TAPER TO MINIMUM WIDTH OF 25.45’.
  - -L- STA 14+00 +/- TO STA 14+41 +/-, TAPER TO MINIMUM WIDTH OF 26.5’.
  - -L- STA 14+41 +/- TO STA 14+70 +/-, MAINTAIN MINIMUM WIDTH OF 26.5’. SEE SECTION A-A ON TMP-5.
  - -L- STA 14+70 +/- TO STA 14+74.61 +/- MAINTAIN MINIMUM WIDTH OF 24.6’.
- -L- STA 14+74.61 +/- TO STA 16+29.53 +/-, CONSTRUCT MINIMUM WIDTH OF 26.4’ FOR BRIDGE WITH APPROACH SLABS. SEE SECTION B-B ON TMP-5.
- -L- STA 16+29.53 +/- TO STA 17+03 +/-, CONSTRUCT LEFT SIDE WIDENING OF -L- TO THE MINIMUM DIMENSION FROM THE PROPOSED LEFT SIDE EOP AS LISTED BELOW AND AS SHOWN ON PLANS.
  - -L- STA 16+29.53 +/-, CONSTRUCT MINIMUM WIDTH OF 24.8’
  - -L- STA 16+29.53 +/- TO STA 16+41 +/-, TAPER TO MINIMUM WIDTH OF 27.5’
  - -L- STA 16+41 +/- TO STA 17+03 +/-, MAINTAIN MINIMUM WIDTH OF 27.5’. SEE SECTION C-C ON TMP-5.
- -L- STA 17+78 +/- TO STA 20+00 +/-, CONSTRUCT LEFT SIDE WIDENING OF -L- TO THE MINIMUM DIMENSION FROM THE PROPOSED LEFT SIDE EOP AS LISTED BELOW AND AS SHOWN ON PLANS. ALSO CONSTRUCT TEMPORARY PAVEMENT TO LEFT SIDE OF PROPOSED EOP AT CROSS SLOPE OF PROPOSED FINAL CONSTRUCTION.
  - -L- STA 17+78 +/- TO STA 18+50 +/- CONSTRUCT MINIMUM WIDTH OF 21.5’ AND CONSTRUCT A MINIMUM OF 8’ TEMPORARY PAVEMENT.
  - -L- STA 18+50 +/- TO STA 19+00 +/- -TAPER TO MINIMUM WIDTH OF 17’ AND CONSTRUCT A MINIMUM OF 8’ TEMPORARY PAVEMENT. SEE SECTION D-D ON TMP-5.
  - -L- STA 19+00 +/- TO STA 19+50 +/- TAPER TO MINIMUM WIDTH OF 14’ AND CONSTRUCT A MINIMUM OF 8’ TEMPORARY PAVEMENT.
  - -L- STA 19+50 +/- TO STA 20+00 +/- TAPER TO MEET EXISTING EOP AND CONSTRUCT A MINIMUM OF 8’ TEMPORARY PAVEMENT.
- -L- STA 20+00 +/- TO STA 22+00 +/-, CONSTRUCT LEFT SIDE WIDENING TO EXISTING EDGE OF PAVEMENT. ENSURE THAT THE ELEVATION AT THE EXISTING EDGE OF PAVEMENT IS WITHIN 2” OF THE EXISTING ROADWAY ELEVATION. ALSO CONSTRUCT TEMPORARY PAVEMENT TO LEFT SIDE OF PROPOSED EOP AT CROSS SLOPE OF PROPOSED FINAL CONSTRUCTION AS LISTED BELOW AND AS SHOWN ON PLANS.
  - -L- STA 20+00 +/- TO STA 20+47 +/-, CONSTRUCT A MINIMUM OF 8’.
  - -L- STA 20+47 +/- TO STA 20+85 +/-, TAPER TO MINIMUM WIDTH OF 6.93’
  - -L- STA 20+85 +/- TO STA 21+20 +/-, WEDGE ACROSS ENOUGH OF EXISTING LANE TO MAINTAIN POSITIVE DRAINAGE, TAPER TO MINIMUM WIDTH OF 4’
  - -L- STA 21+20 +/- TO STA 21+68 +/-, WEDGE ACROSS ENOUGH OF EXISTING LANE TO MAINTAIN POSITIVE DRAINAGE, MAINTAIN MINIMUM WIDTH OF 4’
  - -L- STA 21+68 +/- TO STA 22+00 +/-, WEDGE ACROSS ENOUGH OF EXISTING LANE TO MAINTAIN POSITIVE DRAINAGE
- -Y1- CONSTRUCTION:
  - -Y1- FROM EXISTING -L- TO -Y1- STA 10+66 +/-, CONSTRUCT -Y1- IN FINAL ALIGNMENT BUT AT TEMPORARY GRADE. SEE SECTION A-A ON TMP-5 AND -Y1- STEP 7 ON TMP-6. ANY WORK ON -Y1- WITHIN THESE LIMITS WILL REQUIRE A FLAGGING OPERATION DUE TO SIGHT DISTANCE LIMITATIONS DUE TO CONSTRUCTION EQUIPMENT. ENSURE THAT TRAFFIC ON EXISTING -Y1- CAN SAFELY EXIT -Y1- ONTO NC 106.
  - -Y1-STA 10+66 +/- TO STA 10+94 +/-, SEE INSET 3 ON TMP-6.
  - CONTINUE REMOVAL OF EXISTING ROADWAY ALONG RT SIDE OF -Y1-, SEE -Y1- ON TMP-6.

PHASE I CONT.

STEP 10:
AWAY FROM TRAFFIC, IN PREPARATION OF THE TRAFFIC SHIFT, INSTALL THE FOLLOWING AS SHOWN ON TCP-7:

- TEMPORARY SHORING
  - LOCATION 3 FROM -L- STA 14+62 +/-, 5.75' RT TO STA 15+02 +/-, 5.75’ RT.
  - LOCATION 4 FROM -L- STA 16+06 +/-, 5.75' RT TO STA 16+46 +/-, 5.75' RT.
- -L- STA 14+75+/- TO STA 16+30+/-, INSTALL ATTENUATOR AND ANCHORED BARRIER ON BRIDGE AND APPROACHES,
- -L- STA 16+30+/- TO STA 17+69+/-, INSTALL BARRIER WITH ATTENUATOR AND
- TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES THAT ARE NOT IN CONFLICT WITH EXISTING TRAFFIC.

USING RSD 1101.02, SHEETS 11 AND 14 (FOR PORTABLE SIGNALS) OF 14 AND PORTABLE SIGNALS AS NECESSARY, MILL AND WEDGE OR RESURFACE UP TO BUT NOT INCLUDING FINAL SURFACE COURSE OF EXISTING -L- STA 10+00 +/- TO STA 13+40 +/- TO SMOOTH OUT -L- FOR THE PHASE II TRAFFIC PATTERN.

PHASE II

WORK UNDER STEP 1 TO BE DONE IN A CONTINUOUS MANNER WITHIN A SINGLE WEEK PERIOD BETWEEN 6:00 PM MONDAY TO 7:00 AM FRIDAY. SEE ICT AND LIQUIDATED DAMAGES.

STEP 1:
USING RSD 1101.02, SHEETS 11 AND 14 OF 14 AND PORTABLE SIGNALS AS NECESSARY CONSTRUCT IN THE FOLLOWING MANNER:
1. CONSTRUCT THE FOLLOWING:
   - -L- STA 10+00 +/- TO -L- STA 22+25 +/-, INSTALL REMAINING TEMPORARY PAVEMENT MARKINGS AND ALL APPROPRIATE TRAFFIC CONTROL DEVICES, AS SHOWN ON TMP-7 AND SHIFT TRAFFIC TO NEW PATTERN.
   - -L- STA 14+38 +/-, INSTALL A TEMPORARY TIE BETWEEN PHASE 1 CONSTRUCTION AND EXISTING ROADWAY FOR -Y1- DURING TRAFFIC SHIFT.
   - -L- STA 19+20 +/-, INSTALL A TEMPORARY TIE TO DRIVEWAY DURING TRAFFIC SHIFT.
2. -L- STA 19+50 +/- TO STA 20+85+/-, CONSTRUCT ANY REMAINING PAVEMENT NEEDED FOR TWO 10’ LANES. BACKFILL WITH SUITABLY COMPACTED MATERIAL AT A 6:1 SLOPE ADJACENT TO CONSTRUCTION AT THE END OF EACH WORK PERIOD.
3. INSTALL TEMPORARY PAVEMENT MARKINGS AS SHOWN ON TMP-8 AND OPEN FULL TWO-LANE, TWO-WAY PATTERN ON -L-.

STEP 2:
USING RSD 1101.02, SHEETS 11 AND 14 (FOR PORTABLE SIGNALS) OF 14 AS NECESSARY, CONSTRUCT UP TO BUT NOT INCLUDING FINAL SURFACE COURSE OF THE FOLLOWING:

- -L- STA 10+00 TO STA 14+74.61 +/-, CONSTRUCT REMAINING -L-, SEE SECTION A-A ON TMP-8. COORDINATE WITH -Y1- CONSTRUCTION.
- -L- STA 14+74.61+/- TO STA 16+29.53 +/-, REMOVE EXISTING ROADWAY AND BRIDGE. CONSTRUCT REMAINING BRIDGE, SEE SECTION B-B ON TMP-8.
- -L- STA 16+29.53 +/- TO -L- STA 20+85 +/-, CONSTRUCT REMAINING -L-.
- -L- STA 20+85 +/- TO -L- STA 22+00 +/-, MILL AND OVERLAY AS NECESSARY TO CONSTRUCT REMAINING -L-.
- -Y1- FROM -L- TO -Y1- STA 10+66, CONSTRUCT PROPOSED -Y1- TO FINAL GRADE, BY CLOSING THE ROADWAY UP TO 30 MINUTES AT A TIME.

AWAY FROM TRAFFIC AND USING RSD 1101.02, SHEET 1 OF 14 AS NECESSARY, COMPLETE CONSTRUCTION OF THE FOLLOWING:

- -Y1- COMPLETE REMOVAL OF EXISTING ROADWAY ALONG RT SIDE OF NEW ALIGNMENT.

STEP 3:
USING RSD 1101.02, SHEETS 11 AND 14 (FOR PORTABLE SIGNALS) OF 14 AS NECESSARY:

- INSTALL TEMPORARY PAVEMENT MARKINGS IN FINAL PATTERN, AS SHOWN ON PAVEMENT MARKING PLANS, INSTALL FINAL SIGNS, AND SHIFT TRAFFIC TO FINAL PATTERN

STEP 4:
USING RSD 1101.02 SHEETS 11 AND 14 (FOR PORTABLE SIGNALS) OF 14 AS NECESSARY, COMPLETE THE FOLLOWING WORK:

- PLACE FINAL LAYER OF SURFACE COURSE ON ENTIRE PROJECT
- PLACE FINAL PAVEMENT MARKINGS AND MARKERS ON THE PROJECT PER THE PAVEMENT MARKING PLANS.

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DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

PHASING OPERATIONS PLAN

2/23/2022
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