

# PHASING

PROJ. REFERENCE NO.	SHEET NO.
R-4753	TMP-3



### NOTES:

BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES ACCORDING TO RSD 1101.01, SHEET 3 OF 3. FIELD VERIFY LOCATIONS WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.

MAINTAIN ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT, UNLESS OTHERWISE NOTED IN THE PHASING OR AS DIRECTED BY THE ENGINEER.

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

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.

INSTALL TEMPORARY DRAINAGE AS SHOWN ON THE ROADWAY PLANS TO MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION.

WHEN CONSTRUCTING PIPES AT WALL LOCATIONS, ENSURE THAT ADEQUATE COVER OVER THE PIPES IS PROVIDED TO PROTECT THEM FROM DAMAGE WHEN DRIVING CONSTRUCTION EQUIPMENT OVER THE PIPES.

FOR ADDITIONAL TEMPORARY DRAIN PIPES THAT MAY BE NEEDED, USE ACCEPTABLE PIPE MATERIAL, AS DETERMINED BY THE ENGINEER.

WHEN LANE CLOSURES ARE REFERENCED IN THE PHASING, REFER TO RSD 1101.02, SHEET 1 OF 15.

WHEN USING LANE CLOSURES, RETURN TRAFFIC TO THE CURRENT EXISTING PATTERN AT THE END OF THE ALLOWABLE WORK PERIOD.

PAVE PROPOSED CONSTRUCTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, IN ALL PHASES, UNLESS OTHERWISE NOTED IN THE PHASING, UNTIL STATED TO INSTALL THE FINAL LAYER OF SURFACE COURSE IN PHASE 3, STEP 3.

CONSTRUCTION CAN OCCUR AT A MAXIMUM OF TWO (2) WALL LOCATIONS AT ONE TIME. WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK AT EACH WALL LOCATION. ONCE CONSTRUCTION HAS BEGUN AT ANY TWO (2) WALL LOCATIONS, ONE WALL MUST BE COMPLETED PRIOR TO BEGINNING CONSTRUCTION AT ANOTHER WALL LOCATION. WALL CONSTRUCTION ENCOMPASSES ALL CONSTRUCTION ACTIVITIES INCLUDING EXCAVATION, SOIL NAIL WALL INSTALLATION AND ACTUAL RETAINING WALL CONSTRUCTION.

### PHASE 1 (SHEETS TMP-4 THRU TMP-26)

#### STEP 1:

USING LANE CLOSURES, BEGIN CONSTRUCTION OF THE FOLLOWING ON THE RIGHT SIDE OF -L- (NC 107), WEDGING ACROSS EXISTING NC 107 AS NECESSARY:

- L- STA. 15+50 +/- TO STA. 25+00 +/- (INCLUDING RETAINING WALL #1A) (PLACE TEMPORARY MARKING FROM -L- STA. 16+00 +/- TO STA. 19+09 +/- AND SHIFT TRAFFIC PRIOR TO BEGINNING CONSTRUCTION OF RETAINING WALL #1A) (SEE NOTE BELOW)
- L- STA. 38+00 +/- TO STA. 48+44 +/- (BEGIN BRIDGE)
- L- STA. 49+79 +/- (END BRIDGE) TO STA. 69+50 +/- (INCLUDING RETAINING WALLS #2 & #3) (SEE NOTE BELOW)
- L- STA. 96+82 +/- TO STA. 127+70 +/- (ACCESS WILL NEED TO BE MAINTAINED TO EXISTING DRIVEWAY AROUND -L- STA. 120+00 +/-, UNTIL -Y3A- IS COMPLETE. BEFORE CONTINUING WORK ON -L- IN THE -Y3A- AREA, CONSTRUCT -Y3A- FROM STA. 11+40 +/- TO STA. 17+86 +/- WITH TEMPORARY TIE TO EXISTING NC 107 AROUND -L- STA. 125+50 +/-.) (SEE LOCAL NOTE 1)
- L- STA. 147+30 +/- TO STA. 161+00 +/- (INCLUDING RETAINING WALL #7) (SEE NOTE BELOW)
- L- STA. 173+50 +/- TO STA. 214+50 +/- (ACCESS WILL NEED TO BE MAINTAINED TO EXISTING DRIVEWAY AROUND -L- STA. 182+50 +/- AND STA. 203+50 +/-, UNTIL -Y3B- AND -Y3C- ARE COMPLETE. BEFORE CONTINUING WORK ON -L- IN THE -Y3B- AND -Y3C- AREAS, CONSTRUCT -Y3B- FROM -L- (NC 107) TO STA. 14+43 +/- AND -Y3C- FROM -L- (NC 107) TO STA. 12+30 +/-.)

**NOTE:** FOR CONSTRUCTION OF ALL RETAINING WALLS, INSTALL TEMPORARY SHORING AND TEMPORARY GUARDRAIL BEFORE BEGINNING CONSTRUCTION IN THESE AREAS. (SEE PLANS FOR LOCATIONS)

USING LANE CLOSURES, BEGIN CONSTRUCTION OF THE FOLLOWING ON THE LEFT SIDE OF -L- (NC 107), WEDGING ACROSS EXISTING NC 107 AS NECESSARY:

- L- STA. 25+50 +/- TO STA. 48+44 +/- (BEGIN BRIDGE) (SEE LOCAL NOTE 2)
- L- STA. 80+00 +/- TO STA. 90+50 +/- (CONSTRUCT RT AND LT SIDE FROM -L- STA. 86+86 +/- TO STA. 89+34 +/-) (SEE LOCAL NOTE 2)
- L- STA. 122+50 +/- TO STA. 128+88 +/- (SEE LOCAL NOTES 1 & 3)
- L- STA. 173+50 +/- TO STA. 202+50 +/-
- L- STA. 206+50 +/- TO STA. 214+50 +/-

USING LANE CLOSURES, BEGIN CONSTRUCTION OF TEMPORARY PAVEMENT IN THE FOLLOWING LOCATIONS: (SEE SHEETS TMP-4, TMP-8, TMP-9, TMP-10, TMP-12 AND TMP-13)

- L- STA. 24+69 +/- (LT) TO STA. 25+50 +/- (LT)
- L- STA. 78+70 +/- (LT) TO STA. 80+00 +/- (LT)
- L- STA. 94+20 +/- (LT) TO STA. 98+01 +/- (LT)
- L- STA. 98+08 +/- (RT) TO STA. 103+89 +/- (RT)
- L- STA. 128+88 +/- (LT) TO STA. 129+54 +/- (LT)
- L- STA. 139+20 +/- (RT) TO STA. 146+66 +/- (RT) (INCLUDING TEMPORARY SHORING, TEMPORARY GUARDRAIL AND TEMPORARY BYPASS PIPE THROUGH THE EXISTING CULVERT)

USING LANE CLOSURES, AS NECESSARY, BEGIN CONSTRUCTION OF -DET2- FROM STA. 10+00 +/- TO STA. 21+65 +/-, INCLUDING EXTENSION OF EXISTING PIPE AT -L- STA. 164+76 FOR INSTALLATION OF PROPOSED PIPE, INSTALLATION OF TEMPORARY PIPE FOR CONSTRUCTION OF CULVERT AT -L- STA. 168+50 +/- AND TEMPORARY SHORING AND TEMPORARY GUARDRAIL. (SEE SHEETS TMP-14 AND TMP-15)

USING LANE CLOSURES, BEGIN CONSTRUCTION OF THE FOLLOWING:

- Y1REV- FROM STA. 11+15 TO -L- (NC 107) (MAINTAIN TRAFFIC WITH INCIDENTAL STONE AS NEEDED)
- Y1A- FROM STA. 10+15 TO -Y1REV- (MAINTAIN TRAFFIC WITH INCIDENTAL STONE AS NEEDED)
- Y2A- TEMPORARY TIE WITH INCIDENTAL STONE FROM EX. NC 107 TO -L- DRV2- TO STA. 11+07 +/-
- DRV3- TO STA. 10+30 +/-
- Y4- TO STA. 11+85 +/-, INCLUDING WEDGING OVER EXISTING

#### STEP 2:

USING LANE CLOSURES, COMPLETE THE FOLLOWING, PLACE TEMPORARY MARKING AND SHIFT TRAFFIC TO THE PHASE 1, STEP 2, PATTERN:

- TEMPORARY PAVEMENT FROM -L- STA. 24+69 +/- TO STA. 25+50 +/- (LT) AND PROPOSED LT SIDE FROM -L- STA. 25+50 +/- TO STA. 33+52 +/- (SEE SHEETS TMP-19 AND TMP-20) (SEE LOCAL NOTE 2)
- TEMPORARY PAVEMENT FROM -L- STA. 78+70 +/- TO STA. 80+00 +/- (LT) AND PROPOSED LT SIDE FROM -L- STA. 80+00 +/- TO STA. 84+43 +/- (SEE SHEET TMP-23) (SEE LOCAL NOTE 2)
- TEMPORARY PAVEMENT FROM -L- STA. 94+20 +/- TO STA. 98+01 +/- (LT) (SEE SHEET TMP-24)

USING LANE CLOSURES, IN A CONTINUOUS OPERATION, COMPLETE THE FOLLOWING: (SEE SHEETS TMP-25 AND TMP-26)

- A) CONSTRUCTION OF TEMPORARY PAVEMENT FROM -L- STA. 139+20 +/- (RT) TO STA. 146+66 +/- (RT) AND -DET2- FROM -DET2- STA. 10+00 +/- TO STA. 21+65 +/-
- B) PLACE TEMPORARY MARKING AND PCB
- C) SHIFT TRAFFIC TO THE TEMPORARY PAVEMENT AND -DET2-

#### STEP 3:

USING LANE CLOSURES, BEGIN CONSTRUCTION OF THE FOLLOWING ON THE RIGHT SIDE OF -L- (NC 107), WEDGING ACROSS EXISTING NC 107 AS NECESSARY:

- L- STA. 25+00 +/- TO STA. 34+00 +/- (INCLUDING CULVERT EXTENSION AT -L- STA. 26+43 +/- AND RETAINING WALL #1) (SEE NOTE BELOW)
- L- STA. 69+50 +/- TO STA. 85+00 +/- (INCLUDING RETAINING WALL #4) (SEE NOTE BELOW)
- L- STA. 90+00 +/- TO STA. 96+82 +/- (INCLUDING RETAINING WALL #5) (SEE NOTE BELOW)
- DRV1- TO STA. 10+95 +/-
- Y3- TO STA. 10+48 +/-

**NOTE:** FOR CONSTRUCTION OF ALL RETAINING WALLS AND CULVERT EXTENSION AT -L- STA. 26+43 +/-, INSTALL TEMPORARY SHORING AND TEMPORARY GUARDRAIL OR PCB BEFORE BEGINNING CONSTRUCTION IN THESE AREAS. (SEE PLANS FOR LOCATIONS)

USING LANE CLOSURES, INSTALL SHORING #12, #14 AND #16, THEN CONSTRUCT THE FOLLOWING: (SEE SHEETS TMP-25 AND TMP-26)

- L- STA. 140+00 +/- (LT) TO -L- STA. 146+20 +/- (LT), INCLUDING WEDGING OVER EXISTING AND TEMPORARY PAVEMENT OFF PROPOSED FROM -L- STA. 141+64 +/- TO STA. 146+20 +/- (ALSO INCLUDES STAGE 1 CONSTRUCTION OF NEW CULVERT AT -L- STA. 142+78 +/- AND FULL DEPTH RECONSTRUCTION OF ROADWAY AT CULVERT AREA) TEMPORARY SHORING #11 WILL BE INSTALLED DURING CULVERT CONSTRUCTION.
- L- STA. 161+00 +/- (LT) TO -L- STA. 168+72 +/- (LT), INCLUDING WEDGING OVER EXISTING (ALSO INCLUDES STAGE 1 CONSTRUCTION OF NEW PIPE AT -L- STA. 164+75 +/- AND NEW CULVERT AT -L- STA. 168+50 +/- AND FULL DEPTH RECONSTRUCTION OF ROADWAY AT PIPE AND CULVERT AREA) TEMPORARY SHORING #13 AND #15 WILL BE INSTALLED DURING CULVERT CONSTRUCTION. INSTALL TEMPORARY BYPASS PIPE THROUGH PROPOSED CULVERT AT -L- STA. 168+50 +/- AFTER STAGE 1 CONSTRUCTION OF CULVERT IS COMPLETE.

**NOTE:** PROPOSED WEDGING AT TIE-IN LOCATIONS WILL BE COMPLETED DURING THE SHIFT TO THE PHASE 2 TRAFFIC PATTERN. AFTER CULVERT AND PIPE ARE COMPLETED, REMOVE PORTION OF PCB THAT IS ON EXISTING NC 107 PAVEMENT AND RELOCATE CRASH CUSHIONS. (SEE NOTE ON PLAN SHEETS TMP-25 AND TMP-26)

USING LANE CLOSURES, COMPLETE CONSTRUCTION OF THE FOLLOWING ON THE RIGHT SIDE OF -L- (NC 107), INCLUDING WEDGING ACROSS EXISTING NC 107 AS NECESSARY:

- L- STA. 15+50 +/- TO STA. 34+00 +/- (INCLUDING RETAINING WALLS #1 AND #1A AND CULVERT EXTENSION AT -L- STA. 26+43 +/-) (ONCE CULVERT EXTENSION AND RETAINING WALL CONSTRUCTION IS COMPLETE, REMOVE PCB, CRASH CUSHION, TEMPORARY GUARDRAIL AND TEMPORARY SHORING IN THESE AREAS.)
- L- STA. 38+00 +/- TO STA. 48+44 +/- (BEGIN BRIDGE)
- L- STA. 49+79 +/- (END BRIDGE) TO STA. 69+50 +/- (INCLUDING RETAINING WALL #2, #3 & #4) (ONCE RETAINING WALLS ARE COMPLETE, REMOVE TEMPORARY GUARDRAIL IN THESE AREAS.)
- L- STA. 90+00 +/- TO STA. 127+70 +/- (INCLUDING RETAINING WALL #5) (ONCE RETAINING WALL IS COMPLETE, REMOVE TEMPORARY GUARDRAIL IN THIS AREA.) (SEE LOCAL NOTES 1 & 3)
- L- STA. 147+00 +/- TO STA. 161+00 +/- (INCLUDING RETAINING WALL #7) (ONCE RETAINING WALL IS COMPLETE, REMOVE TEMPORARY GUARDRAIL IN THIS AREA.)
- L- STA. 200+50 +/- TO STA. 208+50 +/-

USING LANE CLOSURES, COMPLETE CONSTRUCTION OF THE FOLLOWING ON THE LEFT SIDE OF -L- (NC 107), INCLUDING WEDGING ACROSS EXISTING NC 107 AS NECESSARY:

- L- STA. 33+52 +/- TO STA. 48+44 +/- (BEGIN BRIDGE)
- L- STA. 84+43 +/- TO STA. 90+50 +/- (INCLUDING RT AND LT SIDE FROM -L- STA. 86+86 +/- TO STA. 89+34 +/-)
- L- STA. 122+50 +/- TO STA. 128+88 +/-
- L- STA. 200+50 +/- TO STA. 202+50 +/-

USING LANE CLOSURES, COMPLETE CONSTRUCTION OF TEMPORARY PAVEMENT FROM -L- STA. 98+08 +/- (RT) TO STA. 103+89 +/- (RT).

USING LANE CLOSURES, COMPLETE CONSTRUCTION OF THE FOLLOWING:

- DRV1- TO STA. 10+95 +/-
- Y1REV- FROM STA. 11+15 TO -L- (NC 107) (MAINTAIN TRAFFIC WITH INCIDENTAL STONE AS NEEDED) (SHIFT TRAFFIC TO THE NEW ALIGNMENT ONCE COMPLETE)
- Y1A- FROM STA. 10+15 TO -Y1REV- (MAINTAIN TRAFFIC WITH INCIDENTAL STONE AS NEEDED) (SHIFT TRAFFIC TO THE NEW ALIGNMENT ONCE COMPLETE)
- Y2A- TEMPORARY TIE WITH INCIDENTAL STONE FROM EX. NC 107 TO -L- -Y3- TO STA. 10+48 +/-
- DRV2- TO STA. 11+07 +/-

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 DATE: 9/2/2016

APPROVED: <i>Michelle Ward</i> <small>F8385756826486</small> DATE: 9/2/2016 SEAL			<h2>PHASING</h2>
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