

PHASING

NOTES:

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.

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

COMPLETE ANY PROPOSED WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE. THIS MAY REQUIRE A COMBINATION OF INSTALLATION OF PROPOSED PIPES, TEMPORARY PIPES, STEEL PLATES, AND TEMPORARY MEDIAN AND OUTSIDE DITCHES.

PAVE PROPOSED CONSTRUCTION, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, IN ALL PHASES UNTIL STATED TO INSTALL FINAL LAYER IN THE PHASING.

THE TERM RSD DENOTES "ROADWAY STANDARD DRAWING".

PHASE I (SEE TMP-4 THRU 7)

STEP 1: INSTALL WORK ZONE ADVANCE WARNING SIGNS ON -L- (SR 1619), -Y1- (SR 1663), -Y4- (I-85 BUS), BELMAR ST (SR 1623), BETHEL DR (SR 1621) & THOMPSON RD (SR 1620) ACCORDING TO RSD 1101.01.

STEP 2: USING RSD 1101.02 (SHEETS 3, 9 & 10 OF 15), COMPLETE THE FOLLOWING:
* CLOSE THE -Y4- NB OUTSIDE LANE, CONSTRUCT OUTSIDE SHOULDER ALONG NBL FROM STA 8+50+/- TO STA 34+00+/-, AND INSTALL PCB FROM STA 20+00+/- TO STA 22+75+/- (LN-1)
* CLOSE THE -Y4- SB OUTSIDE LANE, CONSTRUCT OUTSIDE SHOULDER ALONG SBL FROM STA 8+50+/- TO STA 34+00+/-, AND INSTALL PCB FROM STA 21+25+/- TO STA 23+75+/- (LN-1)

STEP 3: USING RSD 1101.02 (SHEET 3 OF 15), CLOSE THE -Y4- NB & SB MEDIAN LANES AND CONSTRUCT TEMPORARY MEDIAN CROSSOVERS ON -Y4- IN THE FOLLOWING LOCATIONS:
* -Y4- FROM STA 8+50+/- TO STA 12+80+/- (SEE TMP-6)
* -Y4- FROM STA 29+70+/- TO STA 34+00+/- (SEE TMP-7)

INSTALL AND COVER DETOUR SIGNS AS SHOWN ON SHEET TMP-2.
INSTALL AND COVER DETOUR SIGNS AS SHOWN ON SHEET TMP-2A.
INSTALL AND COVER DETOUR SIGNS AS SHOWN ON SHEET TMP-2B.

PHASE II (SEE TMP-8 THRU 11)

STEP 1: USING OFF-SITE DETOUR, UNCOVER DETOUR SIGNS AND CLOSE -L- (PROSPECT ST) AS SHOWN ON SHEET TMP-2.

STEP 2: AWAY FROM TRAFFIC, COMPLETE AS MUCH AS POSSIBLE OF BRIDGE REMOVAL PREPARATION AND PROCESS. PLACE WFB AS SHOWN ON TMP-8.

STEP 3: UNCOVER DETOUR SIGNS AS SHOWN ON SHEET TMP-2A (NO ACCESS TO -RP1- LOOP) AND USING RSD 1101.03 (SHEET 6 OF 9), SHIFT -Y4- NB TRAFFIC TO SB INSIDE LANE USING TEMPORARY MEDIAN CROSSOVERS. USE DRUMS TO CHANNELIZE -RP1- RAMP TRAFFIC ACCESSING NB LANE. AWAY FROM TRAFFIC, REMOVE EXISTING BRIDGE OVER -Y4- NBL. (LN-4,5) (SEE SHEET TMP-8.) (REFER TO GENERAL NOTES C, D & Q.)

STEP 4: AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF -L- FROM STA 18+35+/- TO STA 19+01+/- INCLUDING PROPOSED END BENT.

STEP 5: UNCOVER DETOUR SIGNS AS SHOWN ON SHEET TMP-2B AND CLOSE -RP2- RAMP & LOOP TO TRAFFIC AND USING RSD 1101.03 (SHEET 6 OF 9), SHIFT -Y4- SB TRAFFIC TO NB INSIDE LANE USING TEMPORARY MEDIAN CROSSOVERS. AWAY FROM TRAFFIC, REMOVE EXISTING BRIDGE OVER -Y4- SBL. (LN-4,5) (SEE SHEET TMP-9.) (REFER TO GENERAL NOTES C, D & Q.)

STEP 6: AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF -L- FROM STA 21+00+/- TO STA 23+50+/- INCLUDING PROPOSED END BENT. (SEE TMP-11)

COMPLETE THE REQUIREMENTS OF PHASE II, STEPS 7 THRU 11 IN 100 CONSECUTIVE CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 7: INSTALL TEMPORARY (TAPE) PAVEMENT MARKING ON -Y4- NBL & SBL AND USING RSD 1101.02 (SHEET 3 OF 15), COMPLETE THE FOLLOWING:
(SEE SHEETS TMP-10 AND TMP-11.)
* CLOSE MEDIAN LANE ON NB -Y4- AND INSTALL PCB FROM STA 19+50+/- TO STA 25+00+/- (LN-6)
* CLOSE MEDIAN LANE ON SB -Y4- AND INSTALL PCB FROM STA 20+00+/- TO STA 25+25+/- (LN-6)

PHASE II (CONTINUED) (SEE TMP-8 THRU 11)

STEP 8: AWAY FROM TRAFFIC AND BEHIND BARRIER, CONSTRUCT CENTER BENT. REFER TO STRUCTURE PLANS FOR REMOVAL OF EXISTING FOOTING. (SEE SHEETS TMP-10 & TMP-11.)

STEP 9: AWAY FROM TRAFFIC BEHIND BARRIER OR DRUMS, COMPLETE MEDIAN SHOULDER CONSTRUCTION.

STEP 10: AWAY FROM TRAFFIC COMPLETE END BENTS BEGUN IN PHASE II, STEPS 4 & 6 AND PREPARE SITE TO HANG GIRDERS.

STEP 11: AWAY FROM TRAFFIC AND BEHIND BARRIER, INSTALL GUARDRAIL WITH TEMPORARY ANCHORS ALONG INSIDE SHOULDER OF -Y4- NB & SB LANES FROM STA 20+75+/- TO STA 24+30+/- (SEE TMP-12 & TMP-14.) REMOVE PCB, TEMPORARY (TAPE) PAVEMENT MARKING AND DRUMS PLACED IN PHASE II, STEP 7.

PHASE III (SEE TMP-12 THRU 16)

STEP 1: UNCOVER DETOUR SIGNS AS SHOWN ON SHEET TMP-2A (NO ACCESS TO -RP1- LOOP) AND USING RSD 1101.03 (SHEET 6 OF 9), SHIFT -Y4- NB TRAFFIC TO SB INSIDE LANE USING TEMPORARY MEDIAN CROSSOVERS. USE DRUMS TO CHANNELIZE -RP1- RAMP TRAFFIC ACCESSING NB LANE. AWAY FROM TRAFFIC, INSTALL PROPOSED GIRDERS AND BEGIN BRIDGE OVER -Y4- NBL. (LN-4,5) (SEE SHEET TMP-12.) (REFER TO GENERAL NOTES C, D & Q.)

STEP 2: USING RSD 1101.02 (SHEET 1 OF 15), BEGIN WEDGING AND WIDENING OF THE FOLLOWING, PLACE TEMPORARY PAVEMENT MARKING IN FINAL PATTERN AND PLACE DEVICES AS SHOWN ON TMP-14.:
* WEDGE AND WIDEN -L- FROM STA 12+50+/- TO STA 14+00+/- (LN-2,3)
* WEDGE AND WIDEN -L- FROM STA 17+00+/- TO STA 18+35+/- (LN-2,3)
* WEDGE AND WIDEN -RP1- FROM -L- TO STA 12+25+/- (LN-2,3)

STEP 3: BEGIN INSTALLATION OF PROPOSED SIGNAL AT INTERSECTION OF -L- AND -RP1-.

REMOVE WATER FILLED BARRIER (WFB) PLACED IN PHASE 2, STEP, 2.

INSTALL AND COVER SUPPLEMENTAL DETOUR SIGNING AS SHOWN ON SHEET TMP-2C.

COMPLETE THE REQUIREMENTS OF PHASE III, STEPS 4 THRU 7 IN 10 CONSECUTIVE CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 4: UNCOVER DETOUR SIGNING PLACED IN PHASE III, STEP 3 AND CLOSE -L- TO TRAFFIC AT STA 14+00+/- AND AT STA 17+00+/- (SEE SHEETS TMP-13 & TMP-14.)

STEP 5: AWAY FROM TRAFFIC, CONSTRUCT -L- FROM STA 14+00+/- TO STA 17+00+/-.

STEP 6: COMPLETE WORK BEGUN IN PHASE III, STEP 2.

STEP 7: PLACE TEMPORARY PAVEMENT MARKING ON -L- AND -RP1- IN FINAL PATTERN. OPEN -L- TO TRAFFIC FROM STA 14+00+/- TO STA 17+00+/- AND COVER DETOUR SIGNING PLACED IN PHASE III, STEP 3. (LN-3,4,5)

STEP 8: USING RSD 1101.02 (SHEET 1 OF 15), BEGIN CONSTRUCTION OF -L- FROM STA 23+50+/- TO STA 28+20+/- (LN-2) (SEE SHEETS TMP-15 & TMP-16.) BEGIN INSTALLATION OF PROPOSED SIGNAL AT INTERSECTION OF -L- AND -RP2-.

STEP 9: UNCOVER DETOUR SIGNS AS SHOWN ON SHEET TMP-2B AND CLOSE -RP2- RAMP & LOOP TO TRAFFIC AND USING RSD 1101.03 (SHEET 6 OF 9), SHIFT -Y4- SB TRAFFIC TO NB INSIDE LANE USING TEMPORARY MEDIAN CROSSOVERS. AWAY FROM TRAFFIC, INSTALL PROPOSED GIRDERS AND BEGIN BRIDGE OVER -Y4- SBL. (LN-4,5) (SEE SHEETS TMP-15 & TMP-16.) (REFER TO GENERAL NOTES C, D & Q.)

COMPLETE THE REQUIREMENTS OF PHASE III, STEPS 10 THRU 12 IN 7 CONSECUTIVE CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 10: IF NOT ALREADY IN USE, UNCOVER DETOUR SIGNS AS SHOWN ON SHEET TMP-2B AND CLOSE -RP2- RAMP & LOOP TO TRAFFIC.

STEP 11: AWAY FROM TRAFFIC BEGIN CONSTRUCTION OF -RP2- FROM -L- TO STA 12+05+/- (SEE SHEETS TMP-15 & TMP-16.)

STEP 12: COMPLETE CONSTRUCTION OF -RP2- BEGUN IN PHASE III, STEP 10, PLACE TEMPORARY PAVEMENT MARKING IN FINAL PATTERN AND OPEN -RP2- TO TRAFFIC. COVER DETOUR SIGNS WHEN NOT IN USE. (LN-4,5)

STEP 13: COMPLETE CONSTRUCTION OF -L- FROM STA 23+50+/- TO STA 28+20+/- BEGUN IN PHASE III, STEP 8. PLACE TEMPORARY MARKING IN FINAL PATTERN. (LN-3)

PHASE III (CONTINUED) (SEE TMP-12 THRU 16)

STEP 14: COMPLETE PHASE 2, STEP 4 AND PHASE 2, STEP 6.

COMPLETE CONSTRUCTION OF PROPOSED BRIDGE OVER -Y4- BEGUN IN PHASE III, STEPS 1 & 9.

COMPLETE INSTALLATION OF PROPOSED SIGNALS BEGUN IN PHASE III, STEPS 3 & 8.

STEP 15: PLACE TEMPORARY PAVEMENT MARKING IN FINAL PATTERN ON -L- FROM STA 18+35+/- TO STA 23+50+/-, ACTIVATE SIGNALS AND OPEN -L- TO TRAFFIC AS SHOWN IN PHASE IV. COVER AND REMOVE ALL DETOUR SIGNS. REMOVE EXISTING RAILROAD CROSSING SYMBOL ON AUCTION ROAD. (LN-3)

PHASE IV (SEE TMP-17)

STEP 1: USING RSD 1101.02 (SHEET 3 OF 15) AS NEEDED, INSTALL PROPOSED BARRIER AND GUARDRAIL ALONG -Y4- OUTSIDE SHOULDER AND REMOVE PCB PLACED IN PHASE I, STEP 2.

STEP 2: USING RSD 1101.02 (SHEET 3 OF 15) TO CLOSE THE -Y4- MEDIAN NB & SB LANES AS NEEDED, COMPLETE THE FOLLOWING:
* REMOVE TEMPORARY MEDIAN CROSS-OVERS
* REMOVE TEMPORARY ANCHOR UNITS (MEDIAN) AND COMPLETE MEDIAN GUARDRAIL INSTALLATION.

STEP 3: USING RSD 1101.02 (SHEETS 1 & 3 OF 15) AS NEEDED, MILL -Y4-, PLACE FINAL LAYER OF SURFACE COURSE, INSTALL RUMBLE STRIPS (ACCORDING TO ROADWAY PLANS AND TYPICALS), AND PLACE FINAL PAVEMENT MARKING & MARKERS AS SHOWN IN FINAL PAVEMENT MARKING PLANS.

STEP 4: REMOVE ALL WORK ZONE TRAFFIC CONTROL DEVICES.

LOCAL NOTES

LN-1 PCB ALONG -Y4- (US 29 / US 70 / I-85 BUS):
* MUST HAVE A MINIMUM OF 30 INCHES BETWEEN BARRIER AND HAZARD / DROP OFF OR BE ANCHORED BARRIER;
* LENGTH OF NEED BASED USING A RUN OUT LENGTH OF 345';
* FLARE RATE OF 16:1 ON APPROACH END.

LN-2 PROVIDE SMOOTH TRANSITION TO EXISTING PAVEMENT FOR ALL SITES THAT WILL BE OPEN TO TRAFFIC.

LN-3 REFER TO FINAL PAVEMENT MARKING PLANS.

LN-4 SECURELY COVER DETOUR SIGNS WHEN NOT IN USE. SAME SIGNS WILL BE NEEDED IN MULTIPLE PHASES.

LN-5 RECOVER DETOUR SIGNS AND RETURN TO SIGN LAYOUT SHOWN ON SHEET TMP-2.

LN-6 NOTIFY JOY WIGGINS (919-733-4740) IN THE OVERSIZE / OVER-WEIGHT PERMIT DEPARTMENT AT LEAST TWO-WEEKS PRIOR TO PLACING PCB IN THE MEDIAN LANES. PROVIDE DATES THAT PCB WILL BE PLACED AND REMOVED.

REVISIONS

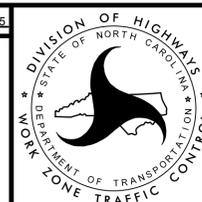
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QA/QC STAGE:

REVIEW:
CONCUR:
REVISE:
VERIFY:

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TRANSPORTATION MANAGEMENT PLAN
PHASING & LOCAL NOTES
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