



PHASE I

STEP 1: INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 31m FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

WHEN NO WORK IS BEING CONDUCTED FOR A PERIOD LONGER THAN ONE WEEK, REMOVE OR COVER ALL ADVANCE WORK ZONE WARNING SIGNS, AS DIRECTED BY THE ENGINEER, AT NO COST TO THE DEPARTMENT.

STEP 2: INSTALL AND COVER DETOUR SIGNS AS REQUIRED.

INSTALL SIGNAL POLES AND ADJUST TEMPORARY SIGNALS AS REQUIRED. (SEE SIGNAL PLANS)

INSTALL LIGHTING AS REQUIRED IN INTERCHANGE AREA. (SEE LIGHTING PLANS)

CONSTRUCT DRAINAGE THROUGHOUT PROJECT LENGTH USING RDWY STD 1101.02, 1 OF 7, AND ALTERNATING LANE CLOSURES AT LOCATIONS WHERE PIPES CROSS TRAVEL LANES.

USING RDWY STD NO. 1102.02, SHEET 1 OF 7 PERFORM GAS LINE CONSTRUCTION AS FOLLOWS:

- A. CONSTRUCT TEMPORARY WIDENING ALONG THE RIGHT SIDE OF EXISTING -L- LINE FROM STA 21+30+/- TO STA 23+50+/- (SEE TCP-9A)
- B. INSTALL TEMPORARY PAVEMENT MARKING AND SHIFT TWO-LANE TWO-WAY TRAFFIC TO RIGHT SIDE OF -L- (SEE TCP-9A)
- C. INSTALL PCB ALONG THE LEFT SIDE OF -L- FROM STA 20+90+/- TO STA 23+69+/- . INSTALL TEMPORARY SHORING (SEE TCP-9A)
- D. PERFORM GAS LINE CONSTRUCTION AS REQUIRED (SEE UTILITY PLANS) AND CONSTRUCT TEMPORARY WIDENING ALONG THE LEFT SIDE OF -L- FROM STA 21+08+/- TO STA 23+50+/- (SEE TCP-9A)
- E. REMOVE TEMPORARY SHORING AND PCB. INSTALL TEMPORARY PAVEMENT MARKING AND SHIFT TWO-LANE TWO-WAY TRAFFIC TO THE LEFT SIDE OF -L- (SEE TCP-9B)
- F. INSTALL PCB AND TEMPORARY SHORING, CLOSE -SR2- AND PERFORM GAS LINE CONSTRUCTION AS REQUIRED, MAINTAINING ON-SITE TEMPORARY ACCESS OF -SR2- DURING THIS STEP AS DIRECTED BY THE ENGINEER. (SEE UTILITY PLANS) (SEE TCP-9B)

UPON COMPLETION OF GAS LINE CONSTRUCTION, CONSTRUCT -SR2- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE, INSTALL PAVEMENT MARKING AND OPEN TO TRAFFIC. (SEE TCP-9A) CONSTRUCT WIDENING, WEDGING AND C&G ALONG THE RIGHT SIDE OF -L- (NC 274 BESSEMER CITY RD) FROM -L- STA 20+80+/- TO -L- STA 22+97+/- . (SEE TCP-10)

USING RDWY STD. 1101.02, 4 OF 7, REMOVE CONCRETE ISLAND FROM MEDIAN FROM -L- STA 31+35+/- TO -L- STA 34+10+/- AND INSTALL TEMPORARY PAVEMENT MARKING. (SEE TCP-13, TCP-13A AND TCP-14)

WITH TRAFFIC IN EXISTING PATTERN AND USING RDWY STD. 1101.02, 1 OF 7, CONSTRUCT WIDENING, WEDGING AND C&G UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE ALONG -L- AS FOLLOWS:

LT SIDE:

- FROM -L- STA 10+04+/- TO -L- STA 14+87+/- (SEE TOP-5 THRU TCP-7)
- FROM -L- STA 36+00+/- TO -L- STA 38+80+/- (SEE TCP-14 & TCP-15)
- FROM -L- STA 41+94+/- TO -L- STA 47+45+/- (SEE TCP-16 & TCP-17)
- FROM -L- STA 47+90+/- TO -L- STA 50+20+/- (SEE TCP-18)
- FROM -L- STA 55+40+/- TO -L- STA 56+46+/- (SEE TCP-20)

RT SIDE:

- FROM -L- STA 23+06+/- TO -L- STA 30+75+/- (SEE TCP-9 & TCP-11 THRU 13)
- FROM -L- STA 35+65+/- TO -L- STA 38+05+/- (SEE TCP-14 & TCP-15)
- FROM -L- STA 46+60+/- TO -L- STA 51+16+/- (SEE TCP-17 THRU TCP-19)
- FROM -L- STA 52+75+/- TO -L- STA 56+46+/- (SEE TCP-19 & TCP-20)

ON EXISTING:

- FROM -L- STA 24+56+/- TO -L- STA 30+70+/- (SEE TOP-11 THRU TCP-13)
- FROM -L- STA 35+40+/- TO -L- STA 38+80+/- (SEE TCP-14 & TCP-15)
- FROM -L- STA 41+75+/- TO -L- STA 43+08+/- (SEE TCP-16)
- FROM -L- STA 45+00+/- TO -L- STA 50+20+/- (SEE TCP-17 & TCP-18)

WITH TRAFFIC IN EXISTING PATTERN AND USING RDWY STD. 1101.02, 1 OF 7, CONSTRUCT -L- LINE UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE ON THE FULL WIDTH AS FOLLOWS:

- FROM -L- STA 38+80+/- TO -L- STA 41+89+/- (SEE TCP-15 & 16)
- FROM -L- STA 51+16+/- TO -L- STA 52+75+/- (SEE TCP-19)

USING RDWY STD. 1101.03, 2 OF 9, CLOSE -Y2A- (WHITE-JENKINS RD) AND DETOUR TRAFFIC ALONG -Y2B- (NC 275). CONSTRUCT UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE FROM -Y2A- STA 9+85+/- TO THE INTERSECTION OF -Y2B- AND -Y2A-. (SEE TCP-6) SEE TCP-36 FOR DETOUR.

INSTALL TEMPORARY PAVEMENT MARKING AND OPEN -Y2A- (WHITE-JENKINS RD) TO TRAFFIC.

USING RDWY STD. 1101.03, 2 OF 9, CLOSE -Y2B- (NC 275) AND DETOUR TRAFFIC ALONG -Y2A- (WHITE-JENKINS RD) AND CONSTRUCT UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE FROM -Y2B- STA 10+08+/- TO THE INTERSECTION OF -Y2B- AND -Y2A-. (SEE TCP-7) SEE TCP-37 FOR DETOUR.

INSTALL TEMPORARY PAVEMENT MARKING AND OPEN -Y2B- (DALLAS-BESSEMER CITY RD) TO TRAFFIC.

COMPLETE THE WORK REQUIRED TO CONSTRUCT -Y3- IN 30 CALENDAR DAYS.

USING RDWY STD NO. 1101.03, SHEETS 1 & 2 OF 9 AND WORKING IN A CONTINUOUS MANNER, CLOSE -Y3- (ISLEY DR) AND DETOUR TRAFFIC OFFSITE AND WEDGE/PAVE -Y3- (ISLEY DR) UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE FROM -Y3- STA 10+15+/- TO THE INTERSECTION OF -Y3- AND -L- (NC 274 BESSEMER CITY RD). INSTALL TEMPORARY PAVEMENT MARKING AND OPEN TO TRAFFIC. (SEE TCP-8) SEE TCP-38 FOR DETOUR.

USING RDWY STD. 1101.02, 1 OF 7, GRADE AND CONSTRUCT WIDENING, C&G AND WEDGING ON -Y5- (SHANNON BRADLEY RD) AND -Y6- (JENKINS DAIRY RD) UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE. (SEE TCP-12)

USING RDWY STD 1101.03, 2 OF 9, CLOSE -Y19- (ARKRAY ST) AND -Y20- (BOND AVE) AND DETOUR TRAFFIC OFFSITE, AND USING RDWY STD. 1101.02, 1 OF 7, WEDGE UP TO PAVEMENT ELEVATION ON EXISTING NC 274 FROM -L- STA 45+00+/- TO -L- STA 46+40+/- AND CONSTRUCT -Y19- AND -Y20- WITH THE -L- (NC 274 BESSEMER CITY RD) INTERSECTION. (SEE TCP-17) SEE TCP-39 FOR DETOUR.

USING RDWY STD. 1101.02, 1 OF 7, BEGIN CONSTRUCTION OF WIDENING UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE AND C&G AND INSTALL TEMPORARY PAVEMENT MARKINGS ON THE FOLLOWING -Y- LINES:

- Y9- (NORTHWEST BLVD) SEE TCP-15
- Y10- (MYRTLE AVE) AND -Y12- (MYRTLE AVE) SEE TCP-15
- Y15- (MILTON ST) AND -Y15A- (JENKINS RD) SEE TCP-16
- Y29- (OVERMAN AVE) SEE TCP-20

NOTE: USING RDWY STD. 1101.02, 1 OF 7, CONSTRUCT WIDENING AND C&G UP TO EXISTING PAVEMENT ON -Y17- (MYRTLE SCHOOL RD) AND -Y18- (CRESCENT LN). AND COMPLETE CONSTRUCTION OF -Y17- AND -Y18- WITH THE INTERSECTION OF -L- (NC 274 BESSEMER CITY RD) UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE. (SEE TCP-17)

THE FOLLOWING -Y- LINES SHALL NOT BE CLOSED SIMULTANEOUSLY

USING RDWY STD. 1101.03, 2 OF 9 AND WORKING IN A CONTINUOUS MANNER:

- CLOSE -Y21- AND -Y22- (GRAHAM ST) AND DETOUR TRAFFIC ALONG -Y23- (BLACK ST) AND -Y24- (WHITE ST). CONSTRUCT -Y21- AND -Y22- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE WITH THE INTERSECTION OF -L- (NC 274 BESSEMER CITY RD). (SEE TCP-18) SEE TCP-40 FOR DETOUR.
- INSTALL TEMPORARY PAVEMENT MARKING AND OPEN -Y21- AND -Y22- (GRAHAM ST) TO TRAFFIC.

-CLOSE -Y23- (BLACK ST) AND DETOUR TRAFFIC ALONG -Y22- (GRAHAM ST) AND -Y25- (WHITE ST). CONSTRUCT -Y23- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE WITH THE INTERSECTION OF -L- (NC 274 BESSEMER CITY RD). (SEE TCP-18) SEE TCP-41 FOR DETOUR.

-INSTALL TEMPORARY PAVEMENT MARKING AND OPEN -Y23- (BLACK ST) TO TRAFFIC.

-CLOSE -Y24- (WHITE ST) AND DETOUR TRAFFIC ALONG -Y22- (GRAHAM ST). CONSTRUCT -Y24- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE WITH THE INTERSECTION OF -L- (NC 274 BESSEMER CITY RD). (SEE TCP-18) SEE TCP-42 FOR DETOUR.

-INSTALL TEMPORARY PAVEMENT MARKING AND OPEN -Y24- (WHITE ST) TO TRAFFIC.

-CLOSE -Y25- (WHITE ST) AND DETOUR TRAFFIC ALONG -Y23- (BLACK ST) AND CONSTRUCT -Y25- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE WITH THE INTERSECTION OF -L- (NC 274 BESSEMER CITY RD). (SEE TCP-17 & TCP-18) SEE TCP-43 FOR DETOUR.

-INSTALL TEMPORARY PAVEMENT MARKING AND OPEN -Y25- (WHITE ST) TO TRAFFIC.

PHASE II

STEP 1: ADJUST TEMPORARY SIGNALS AS REQUIRED. (SEE SIGNAL PLANS)

STEP 2: AWAY FROM TRAFFIC INSTALL AS MUCH PAVEMENT MARKING AS POSSIBLE AND USING RDWY STD 1101.02 SHIFT TRAFFIC TO NEW PATTERN AND INSTALL REMAINING MARKING AS FOLLOWS:

- A. SHIFT TRAFFIC TO THE LEFT SIDE OF THE PROPOSED TRAVELWAY FROM -L- STA 9+90+/- TO -L- STA 14+03+/- . (SEE TCP-22 AND TCP-23)
- B. SHIFT TRAFFIC TO THE RIGHT SIDE OF THE PROPOSED TRAVELWAY FROM -L- STA 14+03+/- TO -L- STA 28+85+/- . (SEE TCP-23 THRU TCP-27)
- C. SHIFT TRAFFIC TO THE NEW PATTERN FROM -L- STA 28+85+/- TO -L- STA 35+30+/- . (SEE TCP-27 THRU TCP-29)
- D. SHIFT TRAFFIC TO THE LEFT SIDE OF THE PROPOSED TRAVELWAY FROM -L- STA 35+30+/- TO -L- STA 45+46+/- . (SEE TCP-29 THRU TCP-32)
- E. SHIFT TRAFFIC TO THE RIGHT SIDE OF THE PROPOSED TRAVELWAY FROM -L- STA 45+46+/- TO -L- STA 55+60+/- . (SEE TCP-32 THRU TCP-35)
- F. SHIFT TRAFFIC TO THE FINAL PATTERN FROM -L- STA 55+60+/- TO -L- STA 56+46+/- . (SEE TCP-35)

STEP 3: WITH TRAFFIC IN NEW TEMPORARY PATTERN AND USING RDWY STD 1101.02, 1 OF 7, CONSTRUCT REMAINING -L- LINE UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE INCLUDING C&G AS FOLLOWS:

- RIGHT SIDE FROM -L- STA 11+99+/- TO -L- STA 14+03+/- . (SEE TCP-22 & TCP-23)
- LEFT SIDE FROM -L- STA 14+87+/- TO -L- STA 16+14+/- AND FROM -L- STA 21+03+/- TO -L- STA 28+85+/- . (SEE TCP-23 AND TCP-25 THRU TCP-27)
- RIGHT SIDE FROM -L- STA 37+95+/- TO -L- STA 38+78+/- AND FROM -L- STA 42+00+/- TO -L- STA 46+60+/- . (SEE TCP-28 THRU TCP-32)
- LEFT SIDE FROM -L- STA 47+45+/- TO -L- STA 47+90+/- AND FROM -L- STA 50+20+/- TO -L- STA 55+60+/- . (SEE TCP-32 THRU TCP-35)

COMPLETE CONSTRUCTION BEGUN IN PHASE I ON:

- Y10- (MYRTLE AVE) AND -Y12- (MYRTLE AVE) SEE TCP-30
- Y15- (MILTON ST) AND -Y15A- (JENKINS RD) SEE TCP-31
- Y17- (MYRTLE SCHOOL RD) SEE TCP-32
- Y18- (CRESCENT LN) SEE TCP-32
- Y29- (OVERMAN AVE) SEE TCP-35

USING RDWY STD. 1101.02, 1 OF 7, CONSTRUCT WIDENING UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE AND C&G ON -Y14- (ROSS ST) AND -Y16- (SUNSET AVE). (SEE TCP-31)

NOTE: THE FOLLOWING -Y- LINES SHALL NOT BE CLOSED SIMULTANEOUSLY

USING RDWY STD. 1101.03, 2 OF 9, CLOSE -Y26- (GRAVEN ST), -Y27- (MAXTON AVE) AND -Y28- (HAYNES AVE) AND CONSTRUCT UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE. (SEE TCP-34) SEE TCP-44 FOR DETOUR.

PHASE III

STEP 1: USING RDWY STD. 1101.02, 1 OF 7, PLACE FINAL SURFACE COURSE ALONG THE OUTSIDE SOUTH BOUND LANES. INSTALL SKIP LANE LINE AND PLACE SOUTH BOUND TRAFFIC ON SAME. PLACE DRUMS ALONG THE SKIP LANE LINE IN THE INSIDE EAST BOUND LANE.

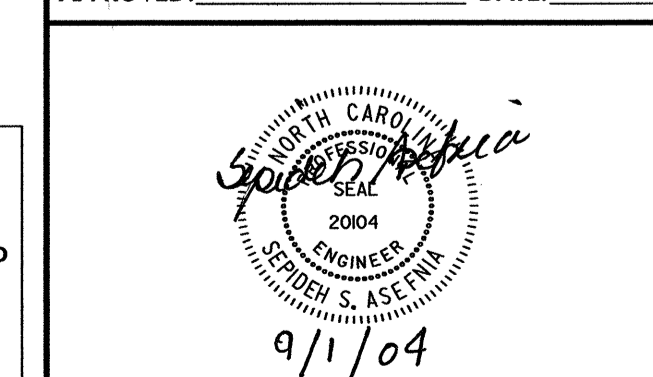
STEP 2: USING RDWY STD. 1101.02, 1 OF 7, PLACE FINAL SURFACE COURSE ALONG THE OUTSIDE NORTH BOUND LANES, INSTALL SKIP LANE LINE AND PLACE NORTH BOUND TRAFFIC ON SAME. PLACE DRUMS ALONG THE SKIP LANE LINE IN THE INSIDE WEST BOUND LANE.

STEP 3: USING RDWY STD. 1101.02, 1 OF 7, AS REQUIRED, PLACE THE FINAL SURFACE COURSE ON THE REMAINING CENTER LANE AND INSTALL THE REMAINING PAVEMENT MARKING AND MARKERS.

STEP 4: USING RDWY STD. 1101.02, 1 OF 7, PLACE THE FINAL SURFACE COURSE ON ALL -Y- LINES AND INSTALL FINAL PAVEMENT MARKING AND MARKERS.

STEP 5: OPEN ALL LANES TO TRAFFIC, ADJUST SIGNALS FOR FINAL TRAFFIC PATTERN AND REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES.

APPROVED: _____ DATE: _____



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PHASING

SCALE:	NONE		REVISIONS
DATE:	7-04		
DWG. BY:	CEK		
DESIGN BY:	RCD		
REVIEWED BY:	RLW		

1101.03, SHEETS 1 & 2 OF 9 AND WORKING IN A CONTINUOUS MANNER, CLOSE -Y3- (ISLEY DR) AND DETOUR TRAFFIC OFFSITE AND WEDGE/PAVE -Y3- (ISLEY DR) UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE FROM -Y3- STA 10+15+/- TO THE INTERSECTION OF -Y3- AND -L- (NC 274 BESSEMER CITY RD). INSTALL TEMPORARY PAVEMENT MARKING AND OPEN TO TRAFFIC. (SEE TCP-8) SEE TCP-38 FOR DETOUR.