PHASE III

(-L- AND EXISTING US 74)

Step 1:
Complete all work in all Areas previously begun.

Step 2:
construct temporary pavement along existing WB US 74 for upcoming temporary pattern (See Roadway Standard Drawing 1101.02, 3 of 7, and TCP-122).

Close -Y8C- (SR 2420 Bowman Rd.) and existing -L- median crossing at Sta. 322+60+/- -L-. Place Bowman Rd. traffic on offsite detour (See Roadway Standard Drawing 1101.03, sh. 1 of 9 and 2 of 9, and TCP-123 and TCP-142).

Step 3:
Construct -L- crossover (-LDET3-) at Sta. 322+60+/- -L- and remove existing median crossing at same location (See Roadway Standard Drawing 1101.02, sh. 3 of 7 and TCP-123).

Begin construction of -Y8C- (SR 2420 Bowman Rd.) and remaining outside -L- shoulder replacement (See Roadway Standard Drawing 1101.02, sh. 3 of 7 and TCP-123).

Step 4:
Using Changeable Message Signs, place temporary pavement markings and Markers for temporary two-lane, two-way traffic pattern on existing -Y3- (US 74 Westbound) (See Roadway Standard Drawing 1101.02, Sheet 3 of 7, and TCP-124 thru TCP-128 and TCP-140 and TCP-140A).

WORK IN A CONTINUOUS MANNER TO COMPLETE THE FOLLOWING WORK IN STEP 5 AND STEP 6.

Step 5:
Shift existing -Y3- (US 74) eastbound traffic onto existing US 74 westbound lanes in a two-lane, two-way traffic pattern (See TCP-124 thru TCP-128 and TCP-140 and TCP-140A). Close the existing US 74 eastbound lanes with Type III Barricades. Install temporary two-way, two-lane traffic signs along US 74 Westbound.

Maintain the existing median crossover at the US 74/Crawford Road intersection.

Step 6:
Construct proposed eastbound -L-, eastbound -Y3-, Ramp A, -Y9- and -Y9- temp. connection (incidental stone) as shown on sheets TCP-126 and TCP-127 up to but not including the final layer of surface course while maintaining existing SR 2416 (Emery Road) intersection with existing US 74 (See Roadway Standard Drawing 1101.02).

When (-Y3- construction from Sta. 27+40+/- to Sta. 31+00+/-) and (-Y9- construction from Sta. 1+20+/- to -Y3- intersection) has been completed, place temporary pavement markings on -Y3- and -Y9- as much as possible as shown on sheet TCP-126A. Switch SR 2416 (Emery Rd.) traffic to proposed -Y9- and -Y3- in a temporary 2-lane, 2-way pattern using the -Y9- temporary connection to access US 74 (See Roadway Standard Drawing 1101.02, sh. 1 of 7, and TCP-126A). Close off access to existing SR 2416 (Emery Rd.) at existing US 74. Construct -Y3- from Sta. 31+00+/- to Sta. 31+90+/-, -Y9- and -Y9A up to but not including the final layer of surface course as shown on sheet TCP-126A (See Roadway Standard Drawing 1101.02, sh. 1 of 7).

When construction of eastbound -L- interferes with traffic operations on -Y8B- (SR 2418 Crawford Rd.), close SR 2418 (Crawford Rd.) and place traffic on off site detour and close existing US 74 median crossover at SR 2418 (crawford Rd.) (See TCP-127 and TCP-143). Construct the following as shown on sheets TCP-126B and TCP-127:

1) -Y8B- (Crawford Rd.) from Sta. 10+60 to the -Y8- intersection
2) -Y8- from Sta. 36+43+/- to Sta. 36+81+/-
3) Proposed turn-around on existing SR 2418 (Crawford Rd.)
4) -Y3- from Sta. 41+40+/- to Sta. 43+40+/-

Complete construction of -Y8C- (SR 2420 Bowman Rd.). Place temporary paint pavement markings in the final pattern on -Y8C- (See TCP-137 and PMP-15).

Step 6 CONTINUED:
Place temporary paint pavement markings in the the following locations: (See TCP-134A thru TCP-138 and the Final Pavement Marking Plans

1) -L- eastbound from Sta. 153+80+/- to Sta. 307+22+/- (Final Pattern)
2) -L- westbound from Sta. 153+80+/- to Sta. 302+00+/- (Final Pattern)
3) All proposed ramps at the -L-/-Y5- (Dew Rd.) interchange (Final Pattern)
4) All proposed ramps and loops at the -L-/-Y2- (I-95) interchange (Final Pattern)
5) All proposed ramps at the -L-/-Y1- (Back Swamp Rd.) interchange (Final Pattern)
6) All proposed ramps at the -L-/-Y3- intersection
7) -Y8-
8) -Y8A- (Thompson Rd.)
9) -Y8B- (Crawford Rd.)

Install temporary signal at -Y3-/-Ramp C- intersection (See signal Plans).

Step 7:
Place temporary markings and markers as much as possible for temporary traffic pattern on newly constructed -Y3- (See TCP-132 thru TCP-134A and TCP-141).

Install and cover temporary signing for upcoming traffic shift (See TCP-141).

Install Type III barricades with "Road Closed" sign (R11-2) attached to close -Ramp B- at the -Y3- interchange. Install drums (10m spacing) to close -Y3- westbound left turn lane at -Ramp B- and -Y3- eastbound right turn lane at -Ramp B-. Install permanent signing for -Y3-. Cover sign panels that direct traffic to US 74/I-74 westbound (-Ramp B- closed).
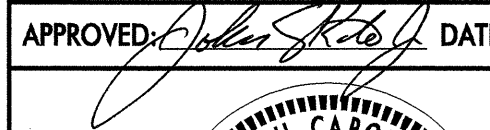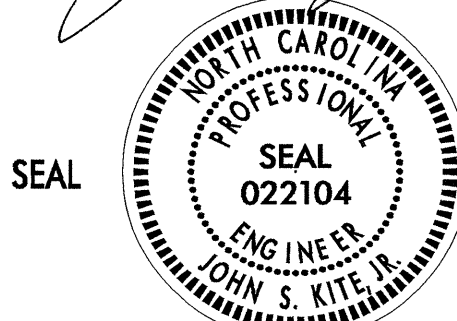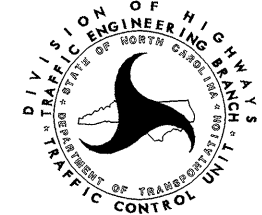
Install portable concrete barrier on -Y3- from Sta. 28+73+/- to Sta. 30+80+/.

WORK IN A CONTINUOUS MANNER TO COMPLETE THE FOLLOWING WORK IN STEP 8

Step 8:
Activate temporary signal at -Y3-/-Ramp C- intersection. Using flaggers, shift -Y3- eastbound traffic off of the temporary crossovers and into the temporary traffic pattern shown on sheet TCP-132 thru 134A and uncover temporary signing installed in Step 7, and complete pavement marking placement for the temporary patten. Use Type III barricades to close the crossover -LDET3- on sheet TCP-137. Open -Y3-, -Y8, -Y8A-, -Y8B-, -Y8C-, -Y9-, and -Ramp D- @ -Y3- to traffic. Remove off-site detour signing for -Y8B- and -Y8C-. Install traffic control devices and paint marking symbols at -Y9- (Service Rd.) and existing US 74 westbound to prohibit left turns (See TCP-134). US 74 westbound traffic will stay in their existing 1-lane, 1-way pattern (Remove the temporary 2-lane, 2-way signs shown on sheet TCP-140 and TCP-140A). -Y3- westbound (US 74 Bus.) traffic will utilize the crossover shown on TCP-133 to continue westbound.

Step 9:
Install traffic control for an "ALL EXIT" condition for -L- westbound at -RA- @ the -Y5- (Dew Rd.) interchange (See Roadway Standard Drawing 1101.03, 7 of 9 and TCP-131).

APPROVED: _____ DATE: 6/25/04

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
022104
ENGINEER
JOHN S. KITE, JR.

PHASE III

SCALE:	NONE		REVISIONS
DATE:			
DWG. BY:			
DESIGN BY:			
REVIEWED BY:		CADD FILE	