

PHASE I



PROJ. REFERENCE NO.	SHEET NO.
U-2734	TCP-5

STEP 1. INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 31M FROM THE EDGE OF TRAVEL LANE AND NOT MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION. SEE TCP-48.

LOCATE MESSAGE BOARDS ALONG MARKET ST. (US 17), EASTWOOD RD., GORDON RD. AND OLEANDER DR. FOR WORK ZONE ADVISORY INFORMATION TO MOTORISTS IN ADVANCE OF MILITARY CUTOFF ROAD (SEE TCP-4).

NOTE: CONTRACTOR SHALL PERFORM WORK SPECIFIED IN PHASE I, STEPS 2 AND 3 AT THE SAME TIME. CONTRACTOR MAY ALSO BEGIN WORK IN PHASE I, STEPS 4 AND 5 PROVIDED NO WORK CONFLICTS WITH PHASE I, STEPS 2 AND 3.

THE CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE FOLLOWING WORK IN PHASE I, STEP 2, IN NINETY (90) CONSECUTIVE CALENDAR DAYS (SEE INTERMEDIATE CONTRACT TIME AND AND LIQUIDATED DAMAGES) :

STEP 2. TRAFFIC SIGNAL SYSTEM INSTALLATION (SEE SIGNAL PLANS)

INSTALL A FIBER OPTIC CLOSED LOOP SIGNAL THAT INCORPORATES THE FOLLOWING INTERSECTION:

03-0189: US 76 (OLEANDER DR / WRIGHTSVILLE AVE) & SR 1411 (WRIGHTSVILLE AVE / AIRLIE RD)

03-0782: US 76/SR 1996 (WRIGHTSVILLE AVE) & SR 1409 (MILITARY CUTOFF RD)

03-0202: US 74-76 (EASTWOOD RD) & SR 1409 (MILITARY CUTOFF RD)

03-0752: SR 1409 (MILITARY CUTOFF RD) & DRYSDALE RD)

INSTALL FIBER OPTIC CABLE AND ALL NECESSARY EQUIPMENT AS SHOWN IN THE SIGNAL SYSTEM CABLE ROUTING PLAN TO INCLUDE THE ABOVE LISTED SIGNALS IN A CLOSED LOOP SYSTEM. INSTALLATION OF METAL POLES, MAST ARMS, AND ACCOMPANYING NEW SIGNAL HEADS ARE NOT REQUIRED FOR SUCCESSFUL COMPLETION OF THE TERMS OF THIS INTERMEDIATE CONTRACT TIME.

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE FOLLOWING WORK IN PHASE I, STEP 3 IN THREE HUNDRED SIXTY-FIVE (365) CONSECUTIVE CALENDAR DAYS (SEE INTERMEDIATE CONTRACT AND LIQUIDATED DAMAGES) :

STEP 3. TRAFFIC SIGNAL SYSTEM INSTALLATION/ROADWAY CONSTRUCTION

A. INSTALL A FIBER OPTIC CLOSED LOOP SIGNAL THAT INCORPORATES THE FOLLOWING INTERSECTIONS:

03-0884: SR 1409 (MILITARY CUTOFF RD) & SR 2048 (GORDON RD)

03-0319: US 17 (MARKET ST) & SR 1409 (MILITARY CUTOFF RD)

03-0390: US 17 (MARKET ST) & SR 2048 (GORDON RD)

03-0076: US 17 (MARKET ST) & SR 1403 (MIDDLE SOUND LOOP)

03-0369: US 17 (MARKET ST) & SR 1363 (BAYSHORE DR) / SR 2717 (TORCHWOOD DR)

INSTALL FIBER OPTIC CABLE AND ALL NECESSARY EQUIPMENT AS SHOWN IN THE SIGNAL SYSTEM CABLE ROUTING PLAN TO INCLUDE THE ABOVE LISTED SIGNALS IN A CLOSED LOOP SYSTEM. THE INSTALLATION OF METAL POLES AND MAST ARMS AT SIGNAL INVENTORY NO. 03-0884 IS NOT REQUIRED FOR SUCCESSFUL COMPLETION OF THE TERMS OF THIS INTERMEDIATE CONTRACT TIME.

B. -L- (MILITARY CUTOFF ROAD) CONSTRUCTION FROM STA. 45+60+/- TO STA. 50+57+/- AND -Y1- (MARKET STREET) CONSTRUCTION FROM STA. 10+31+/- TO STA. 14+67+/-:

CONSTRUCT WIDENING ALONG BOTH SIDES OF -L- FROM -Y12- TO -Y1- AND -Y1- FROM -Y1- STA. 10+31+/- TO -Y1- STA. 14+67+/- LEAVING EXISTING O-H SIGN STR. IN PLACE AS LONG AS POSSIBLE. SEE TCP-18 THRU 20.

NOTE: CONTRACTOR SHALL END CONSTRUCTION OF WIDENING AND C & G ALONG THE RIGHT SIDE OF -L- AT AN APPROPRIATE LOCATION SO AS TO MAINTAIN NORTHBOUND -L- LINE TRAFFIC ONTO NORTHBOUND -Y1- UNTIL NORTHBOUND -L- LINE TRAFFIC IS SHIFTED TO THE NEW ALIGNMENT SHOWN IN PHASE I, STEP 3C.

USING RDWY STD. NO. 1101.02, SHEETS 1 & 4 OF 7, INSTALL DRAINAGE AS REQUIRED. WHERE DROP INLETS AND CATCH BASINS ARE IN THE TRAVEL LANES, USE TEMPORARY STEEL COVERS OVER OPENINGS TO MAINTAIN TRAFFIC.

INSTALL PROPOSED SIGNAL POLES FOR EXISTING SIGNAL NO. 03-0884 AT GORDON RD. & MILITARY CUTOFF RD. SEE SIGNAL PLANS.

INSTALL TEMPORARY SIGNAL AT THE INTERSECTION OF -L- (MILITARY CUTOFF RD) AND -Y1- (MARKET ST). SEE SIGNAL PLANS.

REMOVE EXISTING ISLAND AT -L- STA. 50+30+/- TO STA. 50+50+/- AND REPLACE WITH PAVEMENT TO THE EXISTING PAVEMENT ELEVATION.

C. INSTALL PAVEMENT MARKING FOR NEW TRAFFIC PATTERN FOR THE -L- AND -Y1- INTERSECTION. SEE TCP-21.

ACTIVATE TEMPORARY TRAFFIC SIGNAL AT -L- (MILITARY CUTOFF RD) AND -Y1- (MARKET ST) AND WORK IN A CONTINUOUS MANNER TO SHIFT TRAFFIC INTO NEW TRAFFIC PATTERN. SEE TCP-21.

D. CONSTRUCT PROPOSED -DRIVE- WHILE MAINTAINING TRAFFIC TO ALL BUSINESSES. SEE TCP-21 & TCP-22.

CONSTRUCT THE WIDENING ALONG THE RIGHT SIDE OF -Y1- FROM -L- LINE TO -Y1- STA. 14+67+/- . SEE TCP-21 AND TCP-22 .

USING RDWY STD. NO. 1101.03, SHEET 9 OF 9, ERECT PROPOSED OVERHEAD SIGN ASSEMBLY AT -Y1- STA. 14+20+/- AND REMOVE EXISTING OVERHEAD SIGN ASSEMBLY. SEE SIGNING PLANS.

CONSTRUCT WIDENING OF -Y1- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE FROM -Y1- STA. 10+46+/- TO -Y1- STA. 14+67+/- .

E. USING RDWY STD. NO. 1101.02, SHEET 4 OF 7, INSTALL TEMPORARY PAVEMENT MARKING (PAINT) AND MARKERS (TEMPORARY RAISED) ON -Y1- . SEE TCP-24 AND TCP-25.

ADJUST SIGNAL AT -L- (MILITARY CUTOFF RD) AND -Y1- (MARKET ST) FOR FINAL TRAFFIC PATTERN. SEE SIGNAL PLANS.

USING RDWY STD NO. 1101.02 COMPLETE CONSTRUCTION OF -L-, FROM -Y12- TO -Y1-, UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE, INSTALL TEMPORARY PAVEMENT MARKING (PAINT) AND MARKERS (TEMPORARY RAISED) AND SHIFT THE NORTH AND SOUTHBOUND TRAFFIC TO THEIR APPROPRIATE LANES AND CONSTRUCT THE FINAL MEDIAN AREA. SEE TCP-23 & TCP-24.

OPEN -Y1- TO THE FINAL TRAFFIC PATTERN.

STEP 4. -L- AND -Y- CONSTRUCTION (-L- STA. 11+39+/- TO STA. 45+60+/-)

USING RDWY STD. 1101.02, SHEETS 1, 2 AND 4 OF 7, CONSTRUCT -L- FROM -L- STA. 11+39+/- TO -Y12- (GORDON ST.) UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE AND BIKE PATH AS FOLLOWS:

INSTALL ALL DRAINAGE AS REQUIRED. WHERE DROP INLETS AND CATCH BASINS ARE IN THE TRAVEL LANES, USE TEMPORARY STEEL COVERS OVER OPENINGS TO MAINTAIN TRAFFIC.

NOTE: USING RDWY STD. NO. 1101.02, SHEET 1 OF 7, INSTALL THE CROSS DRAINAGE ON COVIL FARM RD. -Y5- STA. 12+50+/- (SEE TCP-26). SEE LOCAL NOTE NO. 1 ON TCP-3.

- THE FOLLOWING PIPES WILL BE BORED AND JACKED:

- L- STA. 21+24+/- (2 @ 1350)
- L- STA. 27+96+/- (900)
- L- STA. 28+30+/- (900)
- L- STA. 30+13+/- (1050)
- L- STA. 38+41+/- (1800)
- L- STA. 41+68+/- (1050)

- WITH TRAFFIC IN EXISTING PATTERN AND USING RDWY. STD. NO. 1101.02, SHEETS 1, 2 & 4 OF 7, CONSTRUCT WIDENING, WEDGING AND CURB AND GUTTER ON -L- LINE UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE AS FOLLOWS:

- LEFT SIDE FROM STA. 12+15+/- TO STA. 19+00+/- . SEE TCP-6 THRU TCP-8.

- LEFT SIDE FROM STA. 27+60+/- TO -Y12- . SEE TCP-13 THRU TCP-18.

- RIGHT SIDE FROM STA. 13+10+/- TO STA. 26+00+/- . SEE TCP-7 THRU TCP-10.

- RIGHT SIDE FROM STA. 34+90+/- TO STA. 45+31+/- (-Y12-). SEE TCP-15 THRU TCP-18.

INSTALL PROPOSED SIGNAL POLES FOR EXISTING SIGNALS AT THE FOLLOWING LOCATIONS (SEE SIGNAL PLANS):

03-0752: DRYSDALE RD. & MILITARY CUTOFF RD.

03-0895: FORUM DR. & MILITARY CUTOFF RD.

03-0952: RENAISSANCE DR./DESTINY WAY & MILITARY CUTOFF RD.

03-0951: SIR TYLER RD./ANIN ST. & MILITARY CUTOFF RD.

03-0882: COVIL FARM RD. & MILITARY CUTOFF RD.

STEP 5. CULVERT CONSTRUCTION (STA. 28+13+/-)

CONSTRUCT PROPOSED CULVERT AT -L- STA. 28+13+/- AS FOLLOWS (SEE TCP-10 THRU 13):

A. USING RDWY STD. NO. 1101.02, SHEET 1 OF 7, PLACE PCB ALONG RIGHT EDGE OF TRAVEL LANE FROM -L- STA. 27+80+/- TO STA. 28+40+/- . SEE TCP-11.

B. INSTALL TEMPORARY SHORING AS REQUIRED. SEE TCP-11.

C. CONSTRUCT STAGE 1 (OUTLET END) OF PROPOSED CULVERT. SEE TCP-11

D. CONSTRUCT TEMPORARY DETOUR ALONG RIGHT SIDE FROM -L- STA. 26+25+/- TO STA. 30+27+/- UTILIZING STAGE 1 OF THE PROPOSED CULVERT. SEE TCP-10 & 11.

E. INSTALL PCB FROM STA. 27+80+/- TO STA. 28+40+/- AND PAVEMENT MARKING FOR A TWO-WAY TWO-LANE PATTERN AWAY FROM TRAFFIC ON TEMPORARY DETOUR. SEE TCP-12 & 13.

F. USING RDWY STD. 1101.02, SHEET 1 OF 7, SHIFT TWO-WAY TWO-LANE TRAFFIC ONTO DETOUR. SEE TCP-12 & 13.

G. WITH TRAFFIC USING DETOUR, CONSTRUCT -L- LINE UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE FROM STA. 27+60+/- TO STA. 28+90+/- AND STAGE 2 OF THE PROPOSED CULVERT AT STA. 28+13+/- . SEE TCP-13.

SEPI ENGINEERING GROUP
2300 Rexwoods Drive
Suite 370
Raleigh, NC 27607
Tel:919-789-9977 Fax:789-9591

APPROVED: _____	DATE: _____	PHASE I	
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