PROJ. REFERENCE NO.	SHEET NO.
U-3465	TMP- 2B

PHASE I

NOTE: WHEN REFERENCING THE USE OF FLAGGERS, SEE RSD 1101.02, SHEET 1 AND 2 OF 15)

STEP 1 -- INSTALL ADVANCE WARNING SIGNS (SEE RSD 1101.01)

STEP 2 -- INSTALL AND ACTIVATE TEMPORARY SIGNAL NO. 1 AT OVERHILLS DR. (SEE SIGNAL PLANS AND TMP-4)

-- USING FLAGGERS AS NECESSARY, RELOCATE UTITLITIES, BEGIN GRADING AND PROPOSED DRAINAGE INSTALLATION THROUGHOUT THE LIMITS OF PHASE I (SEE TMP-3 THRU TMP-20)

NOTE: CERTAIN DRAINAGE STRUCTURES SHALL BE INITIALLY CONSTRUCTED SHORT OF THE FINAL GRADE AND WILL REMAIN NON-FUNCTIONING UNTIL A LATER PHASE. THESE DRAINAGE STRUCTURES ARE NOTED IN THE TMP DETAILS.

-- USING FLAGGERS, WEDGE EXISTING RAY RD. (-L-) TO MEET THE PROPOSED OUTSIDE WIDENING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AND REPLACE EXISTING MARKINGS IN THE EXISTING PATTERN (PAINT) IN THE LOCATIONS SHOWN ON TMP-3 THRU TMP-18.

-- USING FLAGGERS, CONSTRUCT TEMPORARY PAVEMENT TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN THE LOCATIONS SHOWN ON TMP-3 AND 4

-- USING FLAGGERS, CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE TMP-3, 4 AND 19):

-L- 21+00 TO 37+00 +/- (RT)
-L- STA. 34+00 TO 37+00 (LT)
-Y- FROM -L- TO -Y- STA 19+00 +/-

-- INSTALL TEMPORARY SIGNAL NO.2 AT OVERHILLS DR. AND COVER HEADS (SEE SIGNAL PLANS AND TMP-22)

NOTE: WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF STEP 3 IN A SINGLE WORK PERIOD

STEP 3 -- USING FLAGGERS AND ASSISTANCE FROM LAW ENFORCEMENT INSTALL THE TEMPORARY PAVEMENT MARKINGS, ACTIVATE TEMPORARY SIGNAL NO. 2 AND SHIFT TRAFFIC TO THE TEMPORARY TRAFFIC PATTERN DETAILED ON TMP-21 THRU 23.

STEP 4 -- USING FLAGGERS INSTALL WATERFILLED BARRIER AS SHOWN ON TMP-22.

STEP 5 -- USING FLAGGERS, PROCEED WITH PHASE I WIDENING OF RAY RD. (-L-), INCLUDING GRADING, DRAINAGE, TEMPORARY SHORING, CURB AND GUTTER, AND PAVING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE TMP-5 THRU TMP-22)

NOTE: OMIT -L- LINE CONSTRUCTION THAT INTERFERES WITH ACCESS TO THE FOLLOWING:

-- -Y1- COOPER CREEK AVE.
-- EXISTING DRIVE AT -L- STA. 80+30 +/- (ELEMENTARY SCHOOL ACCESS)

NOTE: SEE TMP-2D, 2E AND 22 FOR TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC.

-- USING FLAGGERS, CONSTRUCT THE FOLLOWING -Y- LINES INCLUDING DRAINAGE, CURB AND GUTTER, AND PAVING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE TMP-5 THRU TMP-22)

-YA2- EXISTING OVERHILLS RD.
-DRV2-
-Y2- W. NORTHPOINT DR.
-Y4- MCKAY RD.
-Y4A-
-Y6A-
-Y6- AZALEA DR.
-Y6B-
-Y8- RAMBEAUT RD.
-DRV1-

NOTE: UPON COMPLETION OF -DRV1- COORDINATE WITH THE ENGINEER AND THE SCHOOL TO DETERMINE THE PREFERRED TIMING OF THE WORK OF STEP 8.

STEP 6 -- OPEN -DRV1-TO THE TEMPORARY PATTERN SHOWN ON TMP-8A AND CLOSE THE EXISTING DRIVE AT -L- STA 80+30 +/- (LT).

-- CONSTRUCT THE BULB OUT AT -L- STA. 80+30+/- (LT) (SEE TMP-7)

NOTE: IF APPROVED BY THE ENGINEER, STEP 7 MAY BE STARTED PRIOR TO THE COMPLETION OF STEP 6. COORDINATE THE TIMING OF STEP 9 TO MINIMIZE CLOSURE DURATION. UPON CLOSURE, COOPER'S CREEK AVE. SHALL REMAIN CLOSED UNTIL AFTER THE SHIFT TO THE PHASE II TRAFFIC PATTERN.

STEP 7 -- USE TYPE III BARRICADES TO CLOSE -Y1- (COOPER'S CREEK AVE.) AND CONSTRUCT PROPOSED TIE IN WITH -L- (SEE TMP-5).

-- INSTALL TEMPORARY SIGNAL NO. 3 AT OVERHILLS RD. AND COVER HEADS (SEE SIGNAL PLANS AND TMP-25)

-- INSTALL TEMPORARY SIGNAL NO. 1 AT NC 210 AND COVER HEADS (SEE SIGNAL PLANS AND TMP-39)

-- INSTALL AS MUCH OF THE TEMPORARY STRIPING FOR THE PHASE II TRAFFIC PATTERN AS POSSIBLE WITHOUT INTERFERING WITH EXISTING TRAFFIC. INSTALL PCB AND CRASH CUSHIONS AS SHOWN ON TMP-25.

PHASE II

NOTE: WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF STEP 1 IN A SINGLE WORK PERIOD.

STEP 1 -- USING FLAGGERS AND LAW ENFORCEMENT WEDGE UP EXISTING PAVEMENT ON EXISTING OVERHILLS RD. (-EY-) TO TIE TO PROPOSED SB LANES OF RAY RD. (-L-). FEATHER WEDGING AT A RATE OF 100:1 ON ALL THREE DIRECTIONS OF TRAVEL. RE-STRIPE THE EXISTING TRAFFIC PATTERN.

NOTE: WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF STEP 2 IN A SINGLE WORK PERIOD

STEP 2 -- USING FLAGGERS AND ASSISTANCE FROM LAW ENFORCEMENT, SHIFT TRAFFIC TO THE PHASE II PATTERN AS DETAILED ON SHEETS TMP- 24 THRU 40.

STEP 3 -- USING FLAGGERS, PERFORM GRADING, DRAINAGE, CURB AND GUTTER AND PAVING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS SHOWN IN SHEETS TMP-24 THRU 40.

PHASE III

NOTE: WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF STEP 1 IN A SINGLE WORK PERIOD

STEP 1 -- USING FLAGGERS AND ASSISTANCE FROM LAW ENFORCEMENT, SHIFT SB TRAFFIC INTO THE PROPOSED OUTSIDE SB TRAVEL LANE FROM -L- STA. 72+00 +/- TO NC 210. (SEE TMP-45 THRU TMP-56)

NOTE: WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF STEP 2 IN A SINGLE WORK PERIOD

STEP 2 -- A.) PLACE THE EXISTING SIGNAL AT OVERHILLS RD. IN FLASH MODE AND USE LAW ENFORCEMENT TO DIRECT TRAFFIC.

B.) SHIFT NB TRAFFIC INTO THE PROPOSED OUTSIDE NB TRAVEL LANE FROM THE BEGINNING OF THE PROJECT TO -L- STA. 78+65 +/-. (NOTE: USE DRUMS TO CHANNALIZE NB TRAFFIC THRU THE ROUNDABOUTS)

C.) USE FLAGGERS TO PLACE PAINT MARKINGS FOR THE PHASE III PATTERNS WITHIN THE ROUNDABOUTS.

D.) OPEN RAY RD. AND OVERHILLS RD. TO THE TEMPORARY PHASE III PATTERN BETWEEN -L- STA. 21+00 +/- AND -L- STA. 81+00 +/- AS DETAILED ON SHEETS TMP-41 THRU TMP-45

NOTE: WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF STEP 3 IN A SINGLE WORK PERIOD

STEP 3 -- A.) PLACE THE EXISTING SIGNAL AT NC 210 IN FLASH MODE AND USE LAW ENFORCEMENT TO DIRECT TRAFFIC.

B.) USING FLAGGERS AND ASSISTANCE FROM LAW ENFORCEMENT, COMPLETE THE TRAFFIC SHIFT TO THE PHASE III PATTERN FROM-*L- STA. 81+00 +/- TO NC 210 AS DETAILED ON SHEETS TMP-45 THRU TMP-56.

NOTE: THE WORK OF STEP 4 MAY BE PERFORMED CONCURRENTY WITH EITHER STEP 5 OR 6 OR 7. STEPS 5 AND 6 MAY NOT BE PERFORMED CONCURRENTLY.

STEP 4 -- WITH TRAFFIC IN THE OUTSIDE TRAVEL LANES, AND USING FLAGGERS AS NECESSARY, CONSTRUCT REMAINING DRAINANGE, MONOLITHIC CONCRETE ISLANDS, INCLUDING SPLITTER ISLANDS AND CENTER ISLANDS AT THE ROUNDABOUTS EXCEPT AS DESCRIBED IN STEP 5 THRU 7.

STEP 5 -- WORKING IN A CONTINUOUS MANNER, CLOSE LEFT TURN LANES AND CONSTRUCT THE MEDIAN ISLANDS AT -L- STA. 70+00+/- UPON COMPLETION, OPEN THE INTERSECTION TO TRAFFIC.

COMPLETE THE WORK OF PHASE III, STEP 6 BETWEEN 7:00 PM FRIDAY AND 7:00 AM THE FOLLOWING MONDAY. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 6 -- CLOSE LEFT TURN LANES AND CONSTRUCT THE MEDIAN ISLANDS AT -L- STA. 91+00 +/- AND OPEN INTERSECTION TO TRAFFIC.

COMPLETE THE WORK OF PHASE III, STEPS 7 BETWEEN 7:00 PM FRIDAY AND 7:00 AM THE FOLLOWING MONDAY. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 7 -- CLOSE -DRV1-, LEFT AND RIGHT TURN LANES AND CONSTRUCT THE CONCRETE ISLANDS. UPON COMPLETION, RE-OPEN TO TRAFFIC.

STEP 8 -- USING ALTERNATING LANE CLOSURES AND FLAGGERS, PLACE THE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS AND MARKERS THROUGHOUT THE PROJECT LINITS.

STEP 9 -- REMOVE ALL TRAFFIC CONTROL DEVICES.

Prepared in the offices of:
RAMEY KEMP & ASSOCIATES, INC.
Transportation Engineers
5808 Farrington Place, Suite 100
Raleigh, North Carolina 27609
919-872-5115 Tel, 919-878-5416 Fax,
www.rameykemp.com

APPROVED: DocuSigned by: Merrick A. Dugal, P.E. 34B7F44BD0664EE... DATE: 9/25/2014

SEAL: NORTH CAROLINA PROFESSIONAL SEAL 022609 ENGINEER MERRICK A. DUGAL, III

TRAFFIC CONTROL PHASING NOTES

SCALE:	NONE
DATE:	8/14
DEVELOPED BY:	NEB
REVIEWED BY:	MAD
RKA PROJ. #:	12091

Prepared For: DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION TRAFFIC CONTROL UNIT

REVISIONS

CADD FILE