

PHASING

HDR HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

PROJ. REFERENCE NO.	SHEET NO.
B-5869	TMP-3

BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES. FIELD VERIFY LOCATIONS WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.

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

COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT NO PONDING OF WATER WILL OCCUR WITHIN THE TRAVEL LANE.

WHEN USING LANE CLOSURES (RSD 1101.02), RETURN TRAFFIC TO EXISTING AND/OR TEMPORARY TRAFFIC PATTERN UPON ACTIVITIES COMPLETION, UNLESS OTHERWISE NOTED IN THE PHASING PLANS.

WHEN PHASING STATES TO USE LANE CLOSURES, REFER TO THE FOLLOWING FOR ALL EXISTING AND PROPOSED ROADS:

- ALL TWO-LANE/TWO-WAY FACILITIES SEE RSD 1101.02 SHEET 1 OF 14
- ALL 3-LANE ROADWAYS SEE RSD 1101.02 SHEET 2 OF 14
- ALL MULTI-LANE FACILITIES POSTED SEE RSD 1101.02 SHEETS 3 & 7 OF 14

COMPLETE PAVING UP TO, BUT NOT INCLUDING, THE FINAL LAYER OF SURFACE COURSE UNTIL STATED TO PLACE FINAL LAYER IN THE PHASING PLANS.

WHEN WEDGING OVER EXISTING PAVEMENT, WEDGE TO PROPOSED ELEVATION (LESS THE FINAL LAYER OF SURFACE COURSE), OR WEDGE AS NEEDED TO MAINTAIN TRAFFIC AND POSITIVE DRAINAGE.

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.

FOR ALL SHOULDER CLOSURES, SEE RSD 1101.04. WHEN PORTABLE CONCRETE BARRIER (PCB) IS PRESENT ON SHOULDERS, PLACE SHOULDER CLOSURE SIGNS & DEVICES IN ADVANCE OF PCB.

PHASE 1 (REFER TO SHEETS TMP-4 & 5)

USING LANE CLOSURES, RESTRIPE WB US 70 LANES AND SHIFT TOWARDS THE CENTER. INSTALL PORTABLE CONCRETE BARRIER (PCB).

BEHIND BARRIER AND AWAY FROM TRAFFIC, CONSTRUCT -DET-, INCLUDING TEMPORARY BRIDGE AND ROADWAY. USING LANE CLOSURES, TIE -DET- TO EXISTING PAVEMENT. (SEE ROADWAY PLANS)

INSTALL TEMPORARY SIGNAL FOR PHASE 2 TRAFFIC PATTERNS.

PHASE 2 (REFER TO SHEETS TMP-6 & 7)

USING LANE CLOSURES, COMPLETE THE FOLLOWING:

- REMOVE PCB, PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AND SHIFT WB US 70 TRAFFIC TO -DET- ALIGNMENT
- OBLITERATE EXISTING MARKINGS, PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AND SHIFT EB US 70 TRAFFIC TO THE PATTERN SHOWN, UTILIZING THE WB LANES ON THE EXISTING BRIDGE. CLOSE NEAR ENTRANCE (-DR-) TO THE SHOPPING CENTER
- ACTIVATE TEMPORARY SIGNAL

NOTE: FOR CONSTRUCTION FROM -L- STA 16+00± TO STA 19+75±, CONSTRUCT PROPOSED PAVEMENT AT TEMPORARY GRADE -L_TEMP1- (SEE ROADWAY PLANS).

USING LANE CLOSURES, INSTALL PCB AND BEHIND BARRIER, CONSTRUCT STAGE 1 OF NEW BRIDGE AND ROADWAY APPROACHES FROM -L- STA 18+00± TO STA 24+85±.

USING LANE CLOSURES, CONSTRUCT THE FOLLOWING:

- PROPOSED WIDENING RIGHT FROM -L- STA 12+50± TO STA 18+00±, INCLUDING WEDGING ADJACENT EXISTING PAVEMENT TO MAINTAIN CROSS SLOPE FOR TRAFFIC AND DRAINAGE
- REMOVE EXISTING CURB AND GUTTER AND SIDEWALK AND WIDEN TO EDGE AND ELEVATION OF EXISTING FROM -L- STA 24+85± TO STA 28+00±.

BEHIND CLOSURE, RECONSTRUCT -DR-.

AWAY FROM TRAFFIC, BEGIN WEDGING OF EXISTING PAVEMENT AND WIDENING BETWEEN -L- STA 24+85± TO STA 27+60±, USING TEMPORARAY GRADE -L_TEMP2- (SEE ROADWAY PLANS).

PHASE 3 (REFER TO SHEETS TMP-8 & 9)

USING LANE CLOSURES, COMPLETE WEDGING OF TEMPORARY GRADE TIE BEGUN IN PHASE 2 BETWEEN -L- STA 24+85± TO STA 27+60±. PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AND SHIFT EB US 70 TRAFFIC TO PHASE 3 PATTERN. ADJUST TEMPORARY SIGNAL. REOPEN -DR- (RIGHT-IN ONLY).

USING LANE CLOSURES, INSTALL PCB AND BEHIND BARRIER CONSTRUCT REMAINING BRIDGE AND ROADWAY APPROACHES FROM -L- STA 18+00± TO STA 24+85±.

USING LANE CLOSURES, BEGIN WEDGING EXISTING PAVEMENT TO TIE TO PHASE 3 ROADWAY CONSTRUCTION ON EAST AND WEST ENDS. WEDGING ON EAST END TO MATCH THE PHASE 2 TEMPORARY WEDGING GRADE TIE FOR PHASE 3 WESTBOUND PATTERN.

PHASE 4 (REFER TO SHEETS TMP-10 & 11)

STEP 1

USING LANE CLOSURES, REMOVE PCB. COMPLETE WEDGING BEGUN IN PHASE 3. PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AND SHIFT WB US 70 TRAFFIC TO PHASE 4 TEMPORARY PATTERN. ADJUST TEMPORARY SIGNAL.

USING LANE CLOSURES, CONSTRUCT THE FOLLOWING. CONSTRUCTION INCLUDES FINAL WEDGING OF EXISTING PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (PROVIDE TEMPORARY PEDESTRIAN ACCOMMODATIONS AS CONSTRUCTION PROGRESSES):

- FINAL CURB & GUTTER AND SHOULDER ALONG LEFT SIDE OF -L- FROM STA 12+50± TO STA 19+00±
- FINAL CURB & GUTTER AND SHOULDER ALONG RIGHT SIDE OF -L- FROM STA 16+00± TO STA 19+00±
- FINAL CURB & GUTTER AND SIDEWALKS ALONG -L- FROM STA 24+85± TO STA 36+00±
- FINAL CURB & GUTTER AND SIDEWALK ALONG -DR1-

USING LANE CLOSURES, REMOVE -DET- BRIDGE AND ROADWAY APPROACHES.

INSTALL PROPOSED SIGNAL FOR FINAL PATTERN.

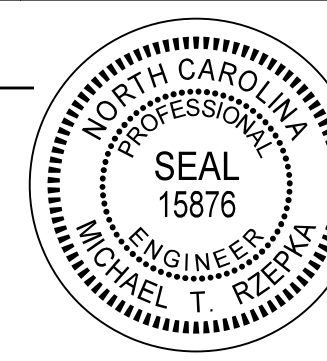
STEP 2

USING LANE CLOSURES, PLACE FINAL LAYER OF SURFACE COURSE AND FINAL MARKINGS AND MARKERS. SHIFT TRAFFIC TO FINAL PATTERN, ACTIVATE PROPOSED SIGNAL AND REMOVE TEMPORARY SIGNAL AND REMAINING TRAFFIC CONTROL DEVICES.

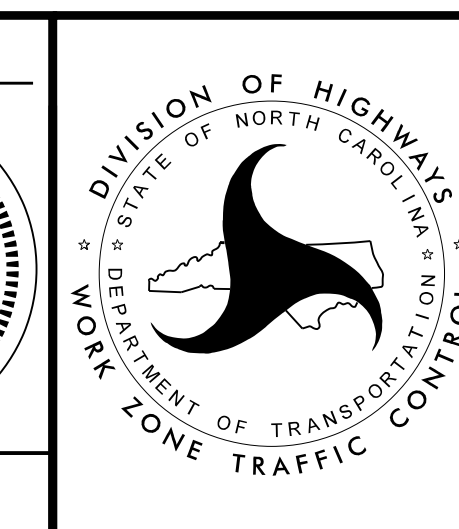
PLOT DRIVER: NCDOT_pdf_color_eng_50p.plt
 USER: CHARNDEN
 PENTABLE: NCDOT_tcp.tbl
 DATE: 4/5/2023
 TIME: 1:33:07 PM
 FILE: pwa\pwhdr\useos01\HDR_US_Eost_01\Documents\5705\10127505\6.0_CAD_BIM\6.2_WIP\Division 13\B-5869\Traffic\Tr-offic\Control\TCP\B5869.tmp_03.phasing.dgn

APPROVED: *Michael T. Rzepka*

DATE: 4/5/2023



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



PHASING