

# PHASE I

NOTE: BEFORE BEGINNING CONSTRUCTION THE CONTRACTOR SHALL:

- PLACE WORK ZONE ADVANCE WARNING SIGNS ALONG US 23 BUS (-L1-/-L2-), WALNUT ST. (-Y4-), MAPLE ST. (-Y1-), E/W MARSHALL ST. (-Y2-), VANCE ST. (-Y3-/-Y5-), BRIDGES ST. (-Y6-) AND ALL -Y- LINES USING ROADWAY STANDARD DRAWING (RSD) 1101.01.
- INSTALL ONE (1) CHANGEABLE MESSAGE SIGNS (CMS) IN EACH DIRECTION OF US 23 BUS (-L1-/-L2-) AND WALNUT ST. AS DIRECTED BY THE ENGINEER. THESE CHANGEABLE MESSAGES SIGNS ARE TO BE UTILIZED TO INFORM & ALERT THE TRAVELLING PUBLIC TO TRAFFIC CONDITIONS AND MAY BE UTILIZED FOR TRAFFIC CONTROL OPERATIONS DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.

NOTE: THE CONTRACTOR SHALL COMPLETE PHASE I, STEPS 1 AND 2 IN A CONTINUOUS MANNER.

STEP 1A) INSTALL ALL VANCE STREET, WALNUT STREET, US 23 BUSINESS FROM WALNUT STREET OFFSITE DETOUR SIGNING, US 23 BUSINESS TRUCK DETOUR SIGNING, ROAD CLOSURE SIGNING, DEVICES, AND DETOUR -Y4-, -Y5-, -Y6-, AND TRUCKS ON US 23 BUSINESS. [REFER TO SHEETS TMP-02A, 02B1, 04, 05, & 07]

STEP 1B) USING RSD 1101.02, INSTALL TEMPORARY PAVEMENT MARKINGS, WATER-FILLED BARRIER, AND PEDESTRIAN CHANNELIZING FENCING ALONG -L1-/-L2-. DEACTIVATE AND REMOVE EXISTING SIGNAL. [REFER TO SHEETS TMP-04 THRU 06, & 21]

STEP 1C) USING RSD 1101.02 AS NEEDED, INSTALL ALL PEDESTRIAN DETOUR SIGNING, PEDESTRIAN BARRICADES, TEMPORARY CROSSWALKS, AND DETOUR PEDESTRIANS. [REFER TO SHEETS TMP-02, 04 THRU 06, & 21]

STEP 2) USING RSD 1101.02, CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE, INCLUDING CLEARING/GRUBBING, PROPOSED DRAINAGE, CURB AND GUTTER, UTILITIES, ETC. AT THE FOLLOWING LOCATIONS [REFER TO SHEETS TMP-04 THRU 07, & 21]:

- -L1- FROM STA. 14+18 TO -RAB-
- -L2- FROM -RAB- TO STA. 17+22
- -RAB-
- -Y3-
- -Y4- AND PROPOSED CULVERT
- -Y5- FROM STA. 13+50 TO -RAB-
- -Y6-

NOTE: MAINTAIN ACCESS TO PARCEL 21 THROUGH PARCEL 11 AS NEEDED, AS DIRECTED BY THE ENGINEER.

USING RSD 1101.02, CONSTRUCT -L2- 'LEFT' FROM STA. 17+22 TO END CONSTRUCTION LIMITS AND -L2- 'RIGHT' FROM STA. 17+22 TO THE BEGIN RESURFACING LIMITS, INCLUDING CLEARING/GRUBBING, PROPOSED DRAINAGE, CURB AND GUTTER, UTILITIES, ETC. [REFER TO SHEET TMP-06]

STEP 2A) UPON COMPLETION OF WING WALL #3 ON THE -Y4- CULVERT, CLOSE VANCE ST. AS SHOWN ON SHEET TMP-07, INSTALL THE TEMPORARY RESIDENTIAL ACCESS AS SHOWN ON SHEET TMP-05, AND CONSTRUCT -Y5- FROM THE BEGIN PROJECT LIMITS TO STA. 13+50 +/- -Y5- UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE.

NOTE: MAINTAIN ACCESS TO DRIVEWAYS ON -Y3- AND -Y5- DURING CONSTRUCTION.

NOTE: PHASE I, STEPS 3 & 4 MAY BE CONSTRUCTED SIMULTANEOUSLY WITH PHASE I, STEPS 2 & 2A.

THE CONTRACTOR SHALL SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN PHASE I, STEPS 3 AND 4 FROM 6:00 P.M. FRIDAY TO 7:00 A.M. MONDAY. REPEAT WEEKEND WORK AS DIRECTED BY THE ENGINEER TO COMPLETE PHASE I, STEPS 3 AND 4 (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES).

STEP 3) INSTALL OFFSITE DETOUR SIGNING, DETOUR -L1-/-L2- TRAFFIC OFFSITE, AND CLOSE -L1-/-L2- WITH BARRICADES. INSTALL TEMPORARY CROSSWALK, PEDESTRIAN DETOUR SIGNING, PEDESTRIAN BARRICADES, AND DETOUR PEDESTRIANS TO -L2- 'LEFT'. INSTALL THE 42" CROSS PIPE LOCATED AT STA. 22+15 +/- -L2- AND ALL DRAINAGE UPSTREAM FROM THE CROSS PIPE. REPLACE THE CURB, GUTTER, AND SIDEWALK REMOVED TO INSTALL THE DRAINAGE. RETURN PEDESTRIANS BACK TO THE DETOUR ON -L2- 'RIGHT', REMOVE THE TEMPORARY CROSSWALK, OPEN -L1-/-L2- TO TRAFFIC, AND COVER THE DETOUR SIGNS INSTALLED AT THE BEGINNING OF STEP 3. THE SIDEWALK AND CURB AND GUTTER SHALL BE REPLACED BY THE END OF EACH WEEKEND WORK PERIOD. [REFER TO SHEETS TMP-02B & 08]

STEP 4) UNCOVER THE DETOUR SIGNING INSTALLED IN STEP 3, CLOSE -L1-/-L2-, AND DETOUR -L1-/-L2- TRAFFIC OFFSITE. REMOVE THE PEDESTRIAN BARRICADES INSTALLED IN STEP 2 AND SHIFT PEDESTRIANS ONTO -L2- 'RIGHT'. REMOVE THE WATER-FILLED BARRIER, PEDESTRIAN CHANNELIZING FENCING, AND INSTALL THE 15" CROSS PIPE LOCATED AT STA. 18+90 +/- -L2-. OPEN -L1-/-L2- TO TRAFFIC, AND REMOVE THE OFFSITE DETOUR SIGNING INSTALLED IN STEP 3. [REFER TO SHEET TMP-02B & 09]

# PHASE II

NOTE: PHASE II, STEPS 1 & 2 SHALL BE CONSTRUCTED IN A CONTINUOUS MANNER.

STEP 1A) SHIFT 'ROAD CLOSED' BARRICADES ON -Y4- BEHIND -Y3- AND SHIFT -Y3- TRAFFIC ONTO -Y3-. CONSTRUCT REMAINING SECTION OF -Y4- SIDEWALK. REMOVE PEDESTRIAN BARRICADES FROM THIS SECTION OF SIDEWALK AFTER THE WORK IS COMPLETED. [REFER TO SHEETS TMP-05 & 11]

REMOVE THE TRUCK DETOUR INSTALLED IN PHASE I. [REFER TO SHEET TMP-0B1 FOR REMOVAL OF OFFSITE DETOUR SIGNING]

STEP 1B) INSTALL OFFSITE DETOUR SIGNING AND ROAD CLOSURE SIGNING FOR BOTH US 23 BUSINESS AND MARSHALL ST. AND COVER. INSTALL TYPE III BARRICADES ON THE -L1- LEG OF -RAB- [REFER TO SHEET TMP-02C]

STEP 1C) AWAY FROM TRAFFIC INSTALL TEMPORARY MARKINGS AND MARKERS ON THE FOLLOWING [REFER TO SHEETS TMP-11, 12, & 22]:

- -L2- FROM -RAB- TO STA. 17+22
- -RAB-
- -Y4-
- -Y5-

STEP 2) USING RSD 1101.02 AS NEEDED, COMPLETE THE FOLLOWING IN THIS ORDER [REFER TO SHEETS TMP-10 THRU 12, & 22]:

- WEDGE -L2- EXCEPT FOR THE TIE-IN TO -DR1- UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE, INCLUDING TEMPORARY PAVEMENT MARKINGS AND MARKERS, (TIE WEDGING INTO EXISTING -DR1-)
- OPEN -RAB-, -Y4-, -Y5-, AND -Y6- TO THE FINAL TRAFFIC PATTERN
- UNCOVER DETOUR SIGNING, DETOUR -L1-/-L2- AND -Y2- TRAFFIC OFFSITE, AND CLOSE -L1-, -Y1-, -Y2-, AND -DR1-
- CONSTRUCT DRAINAGE BOXES 0520 AND 0521 AND THE PIPE IN BETWEEN (COVER 0520 WITH STEEL PLATING)
- COMPLETE THE WEDGING AT THE -L2-/-DR1- TIE-IN
- INSTALL ALL PHASE II PEDESTRIAN SIGNING AND DEVICES, REMOVE THE PHASE I PEDESTRIAN SIGNING AND DEVICES, AND SHIFT PEDESTRIANS INTO THE PHASE II PATTERN

NOTE: MAINTAIN ACCESS TO ALL PARCELS DURING CONSTRUCTION, AS APPROVED BY THE ENGINEER.

STEP 3) AWAY FROM TRAFFIC, CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE, INCLUDING CLEARING/GRUBBING, PROPOSED DRAINAGE, CURB AND GUTTER, UTILITIES, ETC. [REFER TO SHEETS TMP-10, 11, & 22]:

- -L1- FROM BEGIN PROJECT LIMITS TO STA. 14+18
- -Y1-
- -Y2-



# PHASE III

THE CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN PHASE III, STEPS 1 THRU 3 FROM 6:00 P.M. FRIDAY TO 7:00 A.M. MONDAY. REPEAT WEEKEND WORK AS DIRECTED BY THE ENGINEER TO COMPLETE PHASE III, STEPS 1 THRU 3 (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES).

STEP 1) INSTALL TYPE III BARRICADES ON -DR1-, REMOVE ENOUGH OF THE BARRICADES TO ALLOW PARCEL #3 ACCESS TO MARSHALL ST., ADJUST THE TYPE III BARRICADES ON MARSHALL ST. TO THE -Y2- END CONSTRUCTION LIMITS, AND ADJUST THE TYPE III BARRICADES ON -L1- TO THE BEGIN CONSTRUCTION LIMITS. THEN AWAY FROM TRAFFIC, INSTALL THE FINAL LIFT OF SURFACE COURSE, FINAL PAVEMENT MARKINGS, AND MARKERS ON -L1-, -Y1-, -Y2-, AND THE LOWER HALF OF -DR1-. RETURN ALL OF THE BARRICADES TO THE PHASE II LOCATIONS BY THE END OF THE WORK PERIOD. [REFER TO SHEETS TMP-10, 14, 15, AND THE FINAL PAVEMENT MARKING PLAN]

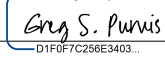
STEP 2) USING RSD 1101.02 AND SHEETS TMP-17 & 18, COMPLETE THE FOLLOWING IN THIS ORDER [REFER TO SHEETS TMP-02A, 16, 17, AND THE FINAL PAVEMENT MARKING PLAN]:


- UNCOVER THE VANCE STREET OFFSITE DETOUR SIGNING AND DETOUR -Y5- TRAFFIC OFFSITE
- INSTALL TYPE III BARRICADES AT -RAB-/-Y5- AND AT -Y5-/-Y6-
- INSTALL TYPE III BARRICADES ON -DR1- AND -L1- AT -Y2-, INSTALL DRUMS AT THE -Y2-/-DR1- INTERSECTION, AND REMOVE THE TYPE III BARRICADES AT THE -Y2- BEGIN PROJECT LIMITS
- INSTALL THE CMS DEVICES AND ADJUST THE PEDESTRIAN SIGNING AND BARRICADES
- INSTALL THE THREE (3) MONOLITHIC CONCRETE ISLANDS AT -L2-/-DR1-
- INSTALL THE FINAL LIFT OF SURFACE COURSE, FINAL PAVEMENT MARKINGS, AND MARKERS ON -L2- 'RIGHT', -RAB- 'RIGHT', -Y4- 'RIGHT', AND THE UPPER HALF OF -DR1--
- RETURN TRAFFIC AND PEDESTRIANS TO THE PHASE II TRAFFIC PATTERN ADJUSTING/REMOVING THE SIGNING/DEVICES IN THE REVERSE ORDER

STEP 3) USING THE SAME PROCEDURE IN PHASE III STEP 2 INSTALL THE FINAL LIFT OF SURFACE COURSE, FINAL PAVEMENT MARKINGS, AND MARKERS ON THE FOLLOWING [REFER TO SHEETS TMP-02A, 19, & 20]

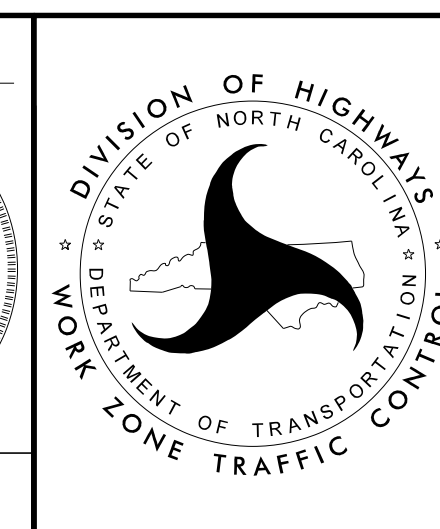
- USING RSD 1101.02 AND SHEETS TMP-19 & 20: -L2- 'LEFT', -RAB- 'LEFT' AND -Y4- 'LEFT'
- UNDER TRAFFIC AND USING DRUMS AS NEEDED: -Y3-, -Y5- FROM BEGIN CONSTRUCTION LIMITS TO -Y6-, AND -Y6-
- AWAY FROM TRAFFIC: -Y5- FROM -Y6- TO -RAB-

STEP 4) AT THE END OF PHASE III, STEP 3, REMOVE ALL TRAFFIC MANAGEMENT DEVICES AND DETOUR SIGNING, AND OPEN THE ENTIRE PROJECT TO THE FINAL TRAFFIC PATTERN. [REFER TO SHEETS TMP-16, 19, & 20 FOR REMOVAL OF TRAFFIC MANAGEMENT DEVICES AND ON-SITE DETOUR SIGNING] [REFER TO SHEETS TMP-02, 02A, & 02C FOR REMOVAL OF TRAFFIC MANAGEMENT DEVICES, ROAD CLOSURE SIGNING, AND OFFSITE DETOUR SIGNING] [REFER TO RSD 1101.01 FOR REMOVAL OF ALL ADVANCE WARNING SIGNING]

APPROVED:   
 DATE: 9/23/2021



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



PHASING

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