# PHASING

| PROJ. REFERENCE NO. | SHEET NO. |
|---|---|
| 17BP.3.R.28 | TMP-3 |

THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS AS DIRECTED BY THE ENGINEER.

## PHASE I

STEP 1 - USING RSD 1101.01, INSTALL WORK ZONE ADVANCE WARNING SIGNS.

STEP 2 - CLOSE -Y- (BURNETT BLVD) NORTH OF -L- (CAROLINA BEACH RD / FRONT ST) AND DETOUR US 421 SOUTH THROUGH TRAFFIC AS FOLLOWS:

* USING RSD 1101.02, SHEETS 3 AND 10 OF 15 TO TEMPORARILY CLOSE RIGHT LANE, INSTALL TEMPORARY OVERLAYS ON EXISTING OVERHEAD GUIDE SIGNS AND INSTALL GROUND MOUNTED DETOUR SIGNS ON EASTBOUND US 76 (DAWSON ST) AS SHOWN ON TMP-9.

* INSTALL TEMPORARY OVERLAY ON EXISTING OVERHEAD SIGN ON SOUTHBOUND 3rd STREET BETWEEN WOOSTER STREET AND DAWSON STREET AS FOLLOWS:

  - USE LAW ENFORCEMENT TO DIRECT TRAFFIC AT THE WOOSTER STREET / 3rd STREET INTERSECTION.

  - TEMPORARILY CLOSE THE TWO SOUTHBOUND THROUGH LANES ON 3rd STREET BETWEEN WOOSTER STREET AND DAWSON WITH DRUMS SPACED 10 FT CENTER-TO-CENTER

  - USING FLAGGERS, DIVERT SOUTHBOUND THROUGH TRAFFIC AROUND THE OVERHEAD SIGN WORK AREA USING THE SOUTHBOUND LEFT TURN LANE, RETURNING THEM TO THE THROUGH LANES DOWNSTREAM OF THE OVERHEAD SIGN.

* INSTALL TRAFFIC CONTROL DEVICES AS SHOWN ON TMP-4 AND DETOUR TRAFFIC AS SHOWN ON TMP-8 THROUGH TMP-11.

* REVISE SIGNAL AT THE INTERSECTION OF -Y- AND -L-.

STEP 3 - AWAY FROM TRAFFIC AND USING RSD 1101.02 AS NECESSARY, PERFORM WORK AS SHOWN ON TMP-4 IN THE FOLLOWING SEQUENCE:

A. REMOVE EXISTING CONCRETE ISLANDS #1 AND #2
B. INSTALL TEMP. PAVEMENT MARKINGS AND SHIFT TRAFFIC AS NECESSARY.
C. INSTALL PCB.
D. INSTALL TEMP. SHORING #1.
E. CONSTRUCT SOUTHERNMOST PORTION OF BOX CULVERT SHOWN ON PLANS.
   BEGIN CONSTRUCTION OF DETOUR -D1-.
   BEGIN REMOVAL OF EXISTING CONCRETE ISLAND #3.

STEP 4 - AWAY FROM TRAFFIC AND USING RSD 1101.02 AS NECESSARY, PERFORM WORK AS SHOWN ON TMP-4 IN THE FOLLOWING SEQUENCE:

A. INSTALL TEMP. SHORING #2 AS SHOWN ON TMP-5.
B. COMPLETE -D1- AND TIE TO -L- (FRONT STREET).
   COMPLETE REMOVAL OF EXISTING ISLANDS.
   INSTALL PHASE II TEMP. PAVEMENT MARKINGS ON -D1- (AWAY FROM TRAFFIC) (SEE TMP-5 FOR PHASE II TEMP. MARKINGS).

STEP 5 - WORKING IN A CONTINUOUS MANNER TO COMPLETE IN A SINGLE WORK PERIOD, SHIFT THE FRONT STREET TRAFFIC IN THE FOLLOWING SEQUENCE:

A. USING RSD 1101.02, FLAGGERS, PILOT VEHICLE AND LAW ENFORCEMENT, PLACE TRAFFIC IN 1L, 2W PATTERN IN EXISTING SB LANE.
B. WITH TRAFFIC IN EXISTING SB LANE, INSTALL A DOUBLE YELLOW CENTERLINE AND EDGLINE FOR NB LANE AS SHOWN ON TMP-5. REMOVE EXISTING CONCRETE ISLAND #4 AND PLACE MARKINGS AND MARKERS ON -Y- AS SHOWN ON TMP-5.
C. USING LAW ENFORCEMENT, FLAGGERS AND PILOT VEHICLE DIRECT TRAFFIC TO NEWLY CONSTRUCTED -D1- IN A 1L, 2W PATTERN IN THE NB LANE OF NEW -D1-.
D. WITH ALL TRAFFIC IN NB LANE, PLACE PCB AND REMAINING MARKINGS AND MARKERS AS SHOWN ON TMP-5.
E. REVISE TRAFFIC SIGNAL FOR UPCOMING TRAFFIC PATTERN.
F. ENSURE ALL TRAFFIC CONTROL DEVICES AND SIGNING ON FRONT STREET/US 421 ARE CORRECT AND OPEN SB LANES TO TWO WAY TRAFFIC PATTERN AS SHOWN ON TMP-5.

## PHASE II

STEP 1 - AWAY FROM TRAFFIC AND USING RSD 1101.02 AS NECESSARY, PERFORM WORK AS SHOWN ON TMP-5 IN THE FOLLOWING SEQUENCE:

A. BEGIN CONSTRUCTION OF FRONT STREET (-L-) AND BURNETT BOULEVARD (-Y-) UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AND NOT INCLUDING THE CURB ON THE RIGHT SIDE OF (-L-) FROM (-L-) STA. 14+85 +/- TO (-L-) STA. 15+15+/-.
B. INSTALL PROPOSED GATE VALVES IN EXISTING WATER LINE NORTH AND SOUTH OF BOX CULVERT.
C. CONSTRUCT SOUTHERNMOST SEGMENT OF PROPOSED WATER LINE ENCASEMENT PIPE BEFORE CONSTRUCTING REMAINDER OF SOUTHERNMOST BARREL OF RCBC BEGUN IN PHASE 1
D. CONSTRUCT REMAINDER OF SOUTHERNMOST RCBC BEGUN IN PHASE I.
E. DIVERT WATER FROM EXISTING CULVERT TO NEWLY COMPLETED BARREL OF PROPOSED CULVERT.
F. INSTALL TEMP. SHORING #3.
G. DEMOLISH WESTERN PORTION OF EXISTING CULVERT.
H. CONSTRUCT REMAINDER OF PROPOSED WATER LINE ENCASEMENT PIPE BEFORE CONSTRUCTING MIDDLE AND NORTHERN BARRELS OF NEW RCBC
I. CONSTRUCT PORTION SHOWN ON TMP-5 OF REMAINING 2 BARRELS OF PROPOSED RCBC.
J. INSTALL NEW WATER LINE INSIDE ENCASEMENT PIPE

(PHASE II CONTINUED ON TMP-3A)

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APPROVED: DATE: 9/28/2016

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 017586 ENGINEER J. TODD BROOKS

DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

PHASING

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