



PAT McCrory
Governor
NICHOLAS J. TENNYSON
Secretary

February 4, 2016

To: Prospective Bidders

From: Lloyd G. Royall, Jr.
Division Proposals Engineer

DocuSigned by:
Lloyd G. Royall, Jr
6418B7231C1F4AE...

Contract ID#: DC00130

WBS Element: 17BP.3.R.28

- **Subject: Addendum #1** Greenfield Lake Culvert Replacement

The Subject contract proposal contains the following addendum:

- 1- Add the two (2) attached plan sheets to the existing plan set.

Addendum must be signed and dated.

You MUST sign as your acknowledgement that you did in fact receive this addendum. Failure to do so shall cause the bid to be considered irregular and shall be grounds for rejection of the bid.

Signature _____ **Date** _____

LGR/lgr



PHASING

PROJ. REFERENCE NO. GREENFIELD	SHEET NO. TMP-3
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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 -Y4- (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:

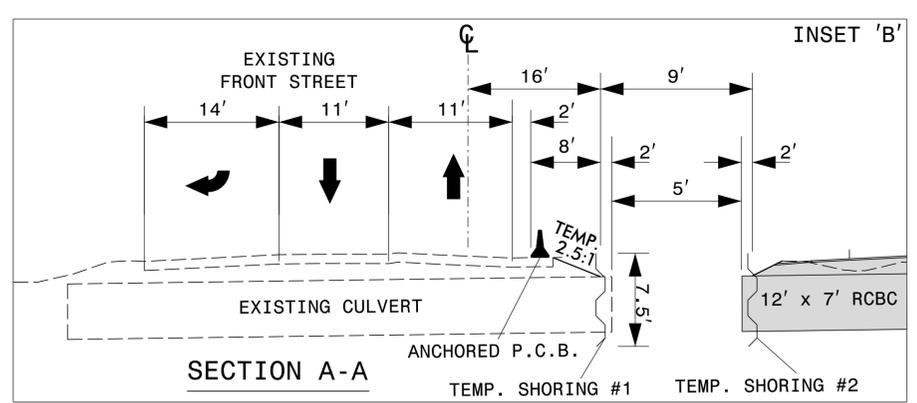
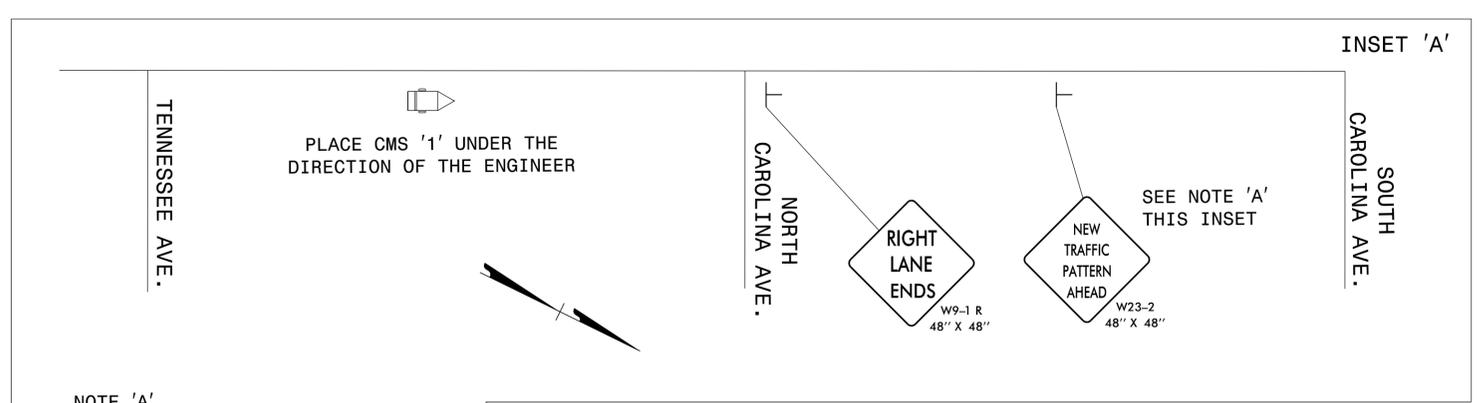
- A. BEGIN CONSTRUCTION OF FRONT STREET (-L-) AND BURNETT BOULEVARD (-Y-) UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AND NOT INCLUDING THE CURB ON THE RIGHT SIDE OF (-L-) FROM (-L-) STA. 14+85 +/- TO (-L-) STA. 15+15 +/-.
- B. CONSTRUCT REMAINDER OF SOUTHERNMOST RCBC BEGUN IN PHASE I.
- C. DIVERT WATER FROM EXISTING CULVERT TO NEWLY COMPLETED BARREL OF PROPOSED CULVERT.
- D. INSTALL TEMP. SHORING #3.
- E. DEMOLISH PORTION OF EXISTING CULVERT AND CONSTRUCT PORTION SHOWN ON TMP-5 OF REMAINING 2 BARRELS OF PROPOSED RCBC.
- F. COMPLETE 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 +/- . RESET P.C.B. AND CRASH CUSHION SO THAT P.C.B. BEGINS AT -D1- STA. 13+09+/- TO COMPLETE THIS CONSTRUCTION.
- G. INSTALL PHASE III TEMP. MARKING ON -L- AS MUCH AS POSSIBLE AWAY FROM TRAFFIC. (SEE TMP-6 FOR PHASE III TEMP. MARKINGS)
- H. INSTALL SHORING #4 AS SHOWN ON TMP-6.

(PHASE II CONTINUED ON TMP-3A)

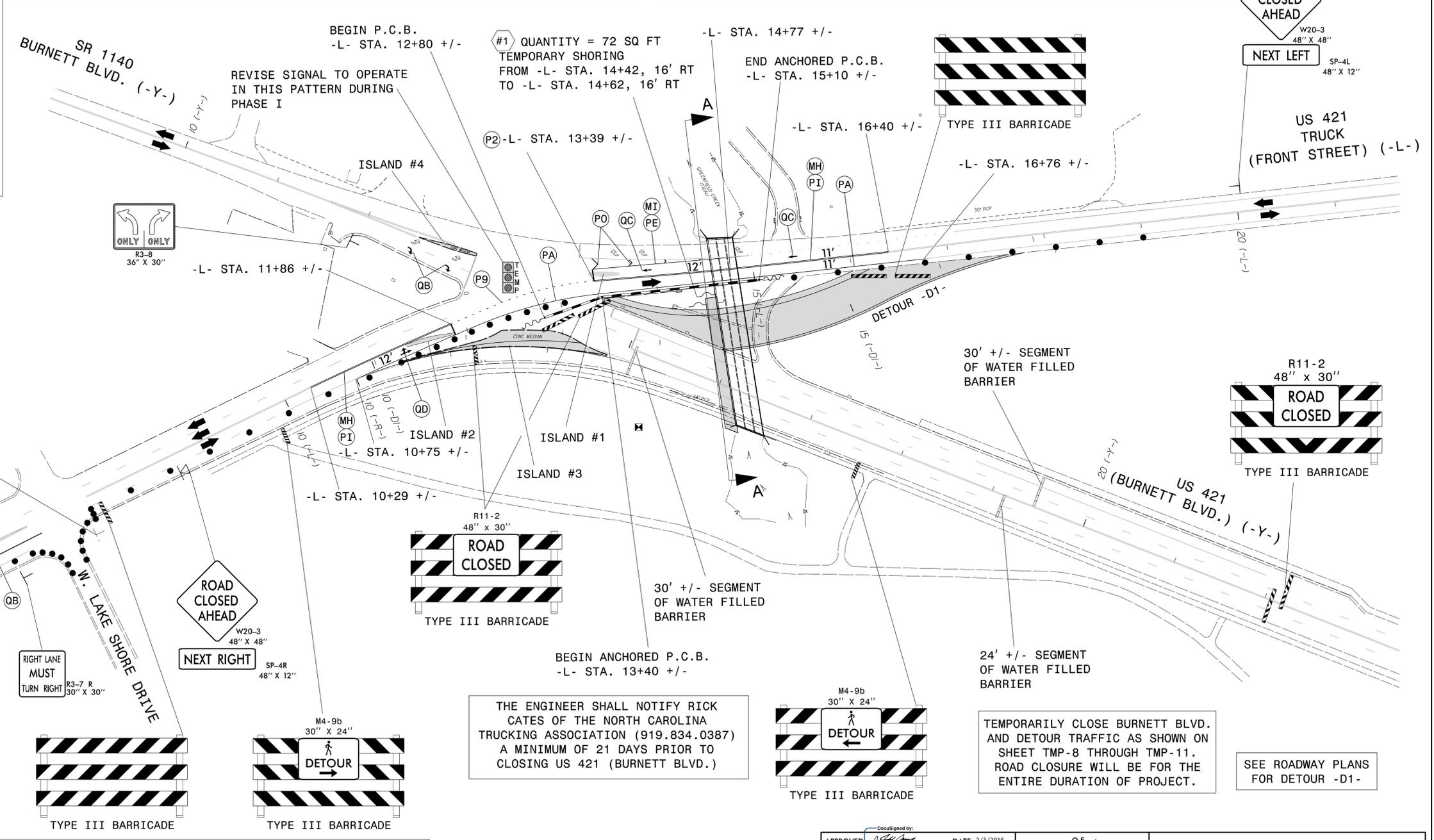
02-FEB-2016 10:33 AM C:\Users\port\Documents\Production\Trans\NCDOT\Division03\Greenfield Lake\Traffic\TrafficControl\TCP\Greenfield_TC_Phasing.dgn

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

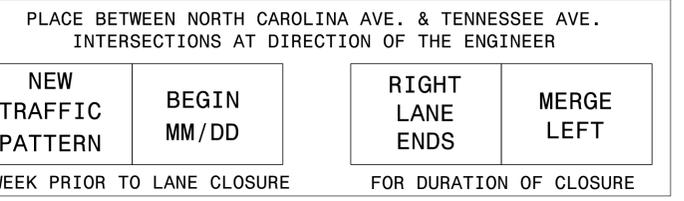
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NOTE 'A'
PLACE W23-2 MIDBLOCK BETWEEN NORTH CAROLINA AVENUE AND SOUTH CAROLINA AVENUE UNDER THE DIRECTION OF THE ENGINEER. DO NOT BLOCK EXISTING I-40 TRAILBLAZING SIGN OR CAUSE SIGHT DISTANCE PROBLEMS FOR VEHICLES EXITING THE EXISTING BUSINESS DRIVEWAY ON THE EAST SIDE OF US 421 BETWEEN NORTH CAROLINA AVENUE AND SOUTH CAROLINA AVENUE.



SEE INSET 'A' THIS SHEET FOR ADDITIONAL WARNING SIGN AND CMS PLACEMENT SOUTH OF SOUTH CAROLINA AVENUE



THE ENGINEER SHALL NOTIFY RICK CATES OF THE NORTH CAROLINA TRUCKING ASSOCIATION (919.834.0387) A MINIMUM OF 21 DAYS PRIOR TO CLOSING US 421 (BURNETT BLVD.)

TEMPORARILY CLOSE BURNETT BLVD. AND DETOUR TRAFFIC AS SHOWN ON SHEET TMP-8 THROUGH TMP-11. ROAD CLOSURE WILL BE FOR THE ENTIRE DURATION OF PROJECT.

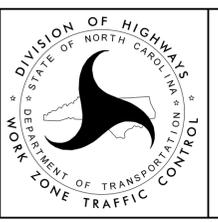
SEE ROADWAY PLANS FOR DETOUR -D1-

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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 310 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

APPROVED: DATE: 2/3/2016

NORTH CAROLINA PROFESSIONAL SEAL
SEAL 017586
ENGINEER
J. TODD BROOKS



PHASE I DETAIL
-L- FRONT ST., DETOUR -D1- & -Y- BURNETT AVE.