

# CONSTRUCTION PHASING

## PHASE 1

**STEP 1:**

INSTALL ADVANCE WARNING SIGNS IN ACCORDANCE WITH RSD 1101.01

**STEP 2:**

INSTALL TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTION OF RAMPS AND -L- NC-16 (BROOKSHIRE BOULEVARD).

**STEP 3:**

INSTALL TEMPORARY PAVEMENT MARKINGS AND SHIFT TRAFFIC ONTO TEMPORARY PATTERN.

**STEP 4:**

WHILE MAINTAINING TRAFFIC USING RSD 1101.02 FOR TEMPORARY LANE CLOSURES, CONSTRUCT PROPOSED IMPROVEMENTS ALONG THE FOLLOWING AS SHOWN ON SHEET TMP-4:

- L- NC-16 (BROOKSHIRE BOULEVARD) (MEDIAN)

AND ALL ASSOCIATED DRAINAGE AS SHOWN ON SHEET TMP-4.

PROVIDE WEDGING AS REQUIRED TO ACCOMMODATE FOR POSITIVE DRAINAGE AND SMOOTH TRANSITIONS BETWEEN EXISTING AND PROPOSED GRADES.

## PHASE 2A

**STEP 1:**

REMOVE TEMPORARY PAVEMENT MARKINGS FROM PHASE 1 THAT CONFLICT WITH THE PHASE 2A CONFIGURATION. INSTALL NEW TEMPORARY PAVEMENT MARKINGS AND SHIFT TRAFFIC ONTO NEW TEMPORARY PATTERN.

ADJUST TEMPORARY SIGNAL FROM PHASE 1 FOR PHASE 2A CONFIGURATION.

**STEP 2:**

WHILE MAINTAINING TRAFFIC USING RSD 1101.02 FOR TEMPORARY LANE CLOSURES, CONSTRUCT PROPOSED IMPROVEMENTS ALONG THE FOLLOWING AS SHOWN ON SHEETS TMP-5 THRU TMP-8:

- L- NC-16 (BROOKSHIRE BOULEVARD)
- LRPA- I-485 RAMP A (LEFT)
- LRPB- I-485 RAMP B (LEFT)
- LRPC- I-485 RAMP C (LEFT)
- LLPA- I-485 LOOP A (LEFT)

AND ALL ASSOCIATED DRAINAGE AS SHOWN ON SHEETS TMP-5 THRU TMP-8.

PROVIDE WEDGING ALONG THE FOLLOWING AS REQUIRED TO ACCOMMODATE FOR POSITIVE DRAINAGE AND SMOOTH TRANSITIONS BETWEEN EXISTING AND PROPOSED GRADES.

- L- NC-16 (BROOKSHIRE BOULEVARD)
- LRPA- I-485 RAMP A
- LRPB- I-485 RAMP B
- LLPA- I-485 LOOP A

**STEP 3:**

**INTERMEDIATE CONTRACT TIME #3:**  
PERFORM THE WORK ASSOCIATED WITH PHASE 2A, STEP 3 BETWEEN THE HOURS OF 7:00 PM AND 6:00 AM, MONDAY THRU SUNDAY. REFER TO PROJECT SPECIFICATIONS FOR LIQUIDATED DAMAGES.

WHILE MAINTAINING TRAFFIC USING RSD 1101.03 FOR TEMPORARY ROAD CLOSURES AND THE DETOUR ON SHEET TMP-2A, PROVIDE WEDGING ALONG -LRPB- I-485 RAMP B AS REQUIRED TO ACCOMMODATE FOR POSITIVE DRAINAGE AND SMOOTH TRANSITIONS BETWEEN EXISTING AND PROPOSED GRADES.

## PHASE 2B

**STEP 1:**

REMOVE TEMPORARY PAVEMENT MARKINGS FROM PHASE 2A THAT CONFLICT WITH THE PHASE 2B CONFIGURATION. INSTALL NEW TEMPORARY PAVEMENT MARKINGS AND SHIFT TRAFFIC ONTO NEW TEMPORARY PATTERN.

ADJUST TEMPORARY SIGNAL FROM PHASE 2A FOR PHASE 2B CONFIGURATION.

**STEP 2:**

WHILE MAINTAINING TRAFFIC USING RSD 1101.02 FOR TEMPORARY LANE CLOSURES, CONSTRUCT PROPOSED IMPROVEMENTS ALONG THE FOLLOWING AS SHOWN ON SHEETS TMP-9 THRU TMP-12:

- L- NC-16 (BROOKSHIRE BOULEVARD)
- LRPA- I-485 RAMP A (RIGHT)
- LRPB- I-485 RAMP B (RIGHT)
- LRPC- I-485 RAMP C (RIGHT)

AND ALL ASSOCIATED DRAINAGE AS SHOWN ON SHEETS TMP-9 THRU TMP-12.

PROVIDE WEDGING AS REQUIRED TO ACCOMMODATE FOR POSITIVE DRAINAGE AND SMOOTH TRANSITIONS BETWEEN EXISTING AND PROPOSED GRADES.

## PHASE 3

**STEP 1:**

INSTALL FINAL TRAFFIC SIGNALS AT THE INTERSECTIONS OF -L- NC-16 (BROOKSHIRE BOULEVARD) AND RAMPS FROM I-485.

**STEP 2:**

REMOVE TEMPORARY PAVEMENT MARKINGS FROM PHASE 2B THAT CONFLICT WITH THE FINAL STRIPING CONFIGURATION. INSTALL NEW TEMPORARY PAVEMENT MARKINGS TO MATCH FINAL STRIPING CONFIGURATION AND SHIFT TRAFFIC ONTO NEW TRAFFIC PATTERN.

**STEP 3:**

USING RSD 1101.02 SHEET 3 PLACE FINAL LAYER OF ASPHALT, FINAL PAVEMENT MARKINGS, MARKERS, AND SIGNING, FOR THE ENTIRE LENGTH, TO THE FOLLOWING:

- L- NC-16 (BROOKSHIRE BOULEVARD)
- LRPA- I-485 RAMP A
- LRPB- I-485 RAMP B
- LRPC- I-485 RAMP C
- LLPA- I-485 LOOP A

SHIFT TRAFFIC ONTO FINAL PATTERN, OPEN ALL LANES TO TRAFFIC, AND REMOVE ALL TRAFFIC CONTROL DEVICES.

# Kimley»Horn

APPROVED: _____ DATE: _____		<b>CONSTRUCTION PHASING</b>

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10/12/2021