

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - GENERAL NOTES**

**STAGE 1F (CONTINUED)**

REMOVAL/DEMOLITION THIS STAGE:

- REMOVE EXISTING PAVEMENT AND SHOULDERS WITHIN AVAILABLE WORK ZONE LIMITS.
- REMOVE EXISTING PORTION OF THE PCC INTERSECTION AT IL 13 EB AND DIVISION ST SB (SOUTHWEST QUADRANT) AND IL 13 WB AND DIVISION ST NB (NORTHWEST QUADRANT). NIGHT TIME WORK IS REQUIRED.

PERMANENT ROADWAY CONSTRUCTION:

- DIVISION ST SOUTH - STA. 0+76 TO STA. 16+91 RT.
- PCC PAVEMENT CONSTRUCTION - AGGREGATE FOR TEMPORARY ACCESS IS TO BE PLACED AT THE END OF PCC CURVE AFTER FORM REMOVAL ON EACH DAY TO RESTORE ALL TRAFFIC USE UNTIL NEXT DAY OF PCC PLACEMENT OR LANE ADDITION CAN BE DONE.
- SOUTHWEST QUADRANT OF INTERSECTION, SIGN TO PROHIBIT RIGHT TURNS FROM IL 13 EB TO DIVISION ST SOUTH DURING INTERSECTION RADIUS CONSTRUCTION.
- DIVISION ST NORTH - NORTHWEST QUADRANT OF INTERSECTION.
- AFTER AGGREGATE BASE COURSE IS READY FOR PCC, A HIGH EARLY STRENGTH MIX IS REQUIRED.
- ANY WORK ASSOCIATED WITH CROSS CULVERTS AND STORM DRAIN PIPES SHALL BE COMPLETED AT NIGHT AND REOPENED TO TRAFFIC THE NEXT DAY.
- INTERSECTION RADIUS WORK - "NO RIGHT TURN" SIGNS FROM IL 13 AND DIVISION ST NORTH TO BE INSTALLED AND ALLOWED ONLY UNTIL THE LANE ADDITION ALONG IL 13 CAN BE COMPLETED. FOLLOWING THE COMPLETION OF LANE ADDITION, RELOCATE TRAFFIC CONTROL DEVICES INCLUDING BUT NOT LIMITED TO BARRICADES/DRUMS IN SUCH A MANNER TO ALLOW RIGHT TURNS FROM IL 13 (SOUTHWEST QUADRANT) AND DIVISION ST NORTH (NORTHWEST QUADRANT).

**STAGE 1G**

PREREQUISITE: STAGE 1F

OBJECTIVES:

- COMPLETE DIVISION ST SOUTH
- COMPLETE NORTHEAST AND SOUTHEAST INTERSECTION RADIUS AT DIVISION ST AND IL 13 EB AND WB.
- COMPLETE KIRK STREET

TRAFFIC ROUTING:

- SHIFT SOUTHBOUND TRAFFIC TO USE NEWLY CONSTRUCTED SOUTHBOUND LANES. MAINTAIN ONE LANE EACH DIRECTION ON DIVISION ST, AND RESTRICT LEFT TURNS FROM DIVISION ST TO IL 13, WHILE INTERSECTION RADIUS ARE UNDER CONSTRUCTION.
- MAINTAIN LOCAL ACCESS TO KIRK ST AT ALL TIMES.

REMOVAL/DEMOLITION THIS STAGE:

- REMOVE THE EXISTING DIVISION ST SOUTH NORTHBOUND LANE PAVEMENT WITHIN AVAILABLE WORK ZONE LIMITS. REMOVAL OF EXISTING PAVEMENT SHALL BE LIMITED TO SECTION OF PCC PAVEMENT ONLY THAT CAN BE INSTALLED NIGHTLY.

**STAGE 1G, STEP 1**

PERMANENT ROADWAY CONSTRUCTION:

- DIVISION ST SOUTH STA. 0+76 TO STA. 12+80 LT. INCLUDING STORM SEWERS AND INTERSECTION RADIUS PAVEMENT FOR KIRK ST.
- "NO RIGHT TURN" SIGNS FROM DIVISION ST SOUTH TO IL 13 EB TO BE INSTALLED AND ALLOWED ONLY UNTIL THE LANE ADDITION ALONG IL 13 EB CAN BE COMPLETED. RELOCATE TRAFFIC CONTROL DEVICES INCLUDING BUT NOT LIMITED TO BARRICADES/DRUMS IN SUCH A MANNER TO ALLOW RIGHT TURNS FROM DIVISION ST DURING INTERSECTION RADIUS CONSTRUCTION.
- SOUTHEAST QUADRANT OF INTERSECTION AT IL 13 EB.
- AFTER AGGREGATE BASE COURSE IS READY FOR PCC, A HIGH EARLY STRENGTH MIX IS REQUIRED. (TIME WORK).
- PCC PORTION IS TO BE COMPLETED BEFORE THE HMA PAVEMENT CAN BE PLACED.

**STAGE 1G, STEP 2**

- DIVISION ST NORTH - NORTHEAST QUADRANT OF INTERSECTION
- "NO RIGHT TURN" SIGNS FROM IL 13 WB TO DIVISION ST NORTH TO BE INSTALLED AND ALLOWED ONLY UNTIL THE LANE ADDITION ALONG IL 13 WB CAN BE COMPLETED. RELOCATE TRAFFIC CONTROL DEVICES INCLUDING BUT NOT LIMITED TO BARRICADES/DRUMS IN SUCH A MANNER TO ALLOW RIGHT TURNS FROM IL 13 WB DURING INTERSECTION RADIUS CONSTRUCTION.
- AFTER AGGREGATE BASE COURSE IS READY FOR PCC, A HIGH EARLY STRENGTH MIX IS REQUIRED.

**STAGE 1G, STEP 3**

- AFTER STEPS 1 AND 2 ARE COMPLETED, OPEN THE DIVISION SOUTH NORTHBOUND TRAFFIC. ALL LANES ARE COMPLETE ON DIVISION ST SOUTH.
- COMPLETE KIRK STREET

COMPLETE ANY REMAINING UTILITY ADJUSTMENTS OR RELOCATIONS BY END OF STAGE 1. RELOCATE OR CONSTRUCT THE PERMANENT ROADWAY LIGHTING. SETUP TEMPORARY TRAFFIC SIGNALS AND WIRING FOR NEXT STAGE.

**STAGE 2**

PREREQUISITE: ALL OF STAGE 1 MUST BE AVAILABLE FOR TRAFFIC BEFORE BEGINNING THIS STAGE.

OBJECTIVES:

- CONSTRUCT DIVISION ST NORTH STA. 1+20 TO STA. 18+34 LT.
- COMPLETE IL 13 MEDIAN WORK.

TRAFFIC ROUTING:

- SHIFT IL 13 MAINLINE TRAFFIC TO USE NEWLY CONSTRUCTED OUTSIDE LANE ADDITION, AS SHOWN ON PLANS.
- MAINTAIN 2 LANES EACH DIRECTION ON IL 13
- MAINTAIN LEFT TURNS AND RIGHT TURNS FROM IL 13 TO DIVISION ST INTERSECTION. LANE CLOSURES ARE NOT PERMITTED THIS STAGE.
- RESTRICT LEFT TURNS FROM DIVISION ST TO IL 13.
- NIGHT-TIME CONSTRUCTION WORK IS REQUIRED WITHIN 100 FEET OF INTERSECTION.
- TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE ALIGNED FOR DESIGNATED LANE USAGE AT ALL TIMES. REFER TO TEMPORARY TRAFFIC SIGNAL PLANS FOR ADDITIONAL INFORMATION.

OPEN TO TRAFFIC:

- DIVISION ST SOUTH
- DIVISION ST NORTH
- NEW CITY STREETS
- NORTH FRONTAGE RD

REMOVAL/DEMOLITION THIS STAGE:

- REMOVE THE EXISTING DIVISION NORTH SOUTHBOUND LANE PAVEMENT WITHIN AVAILABLE WORK ZONE LIMITS.
- REMOVE THE EXISTING IL 13 MEDIAN PAVEMENT AND SHOULDERS WITHIN AVAILABLE WORK ZONE LIMITS. WORK ALONG IL 13 EB AND IL WB MEDIAN TURN LANE SHALL NOT OCCUR AT THE SAME TIME. THE CONTRACTOR SHALL COMPLETE EITHER IL 13 EB OR IL 13 WB PRIOR TO BEGINNING THE OTHER DIRECTION.

PERMANENT ROADWAY CONSTRUCTION:

- DIVISION ST NORTH STA. 1+20 TO STA. 18+34 LT.
- CONSTRUCTION OPERATION TO BE CONTINUOUS 24-HR OPERATION DAILY UNTIL THE PCC SECTION IS OPENED TO TRAFFIC.
- TIPPY RD - MAINTAIN LOCAL ACCESS.
- IL 13 MEDIAN - STA. 450+50 TO STA. 472+62
- IL 13 MEDIAN SHALL BE CONSTRUCTED IN TWO SEPARATE SECTIONS. THE SECTIONS SHALL BE EITHER IL 13 EAST OF DIVISION OR IL 13 WEST OF DIVISION. THE ENGINEER SHALL APPROVE WHICH SECTION IS COMPLETED FIRST
- WORK ALONG IL 13 MEDIAN AND DIVISION ST NORTH SHALL NOT OCCUR AT THE SAME TIME.

**STAGE 2A**

OBJECTIVE: COMPLETE IL 13 AND DIVISION ST MEDIAN INTERSECTION CLOSED TO TRAFFIC:

- IL 13 AND DIVISION ST MEDIAN INTERSECTION
  - LEFT TURNS AND THROUGH INTERSECTION TRAFFIC
- PERMANENT ROADWAY CONSTRUCTION:
- IL 13 AND DIVISION ST MEDIAN INTERSECTION.
  - AFTER AGGREGATE BASE COURSE IS READY FOR PCC, A 5-HR CURE MIX IS REQUIRED.
  - WEEKEND CLOSURE FROM FRIDAY 7PM TO MONDAY 6AM TO COMPLETE EACH DIRECTION OF IL 13. CLOSURE OF IL 13 EB AND IL 13 WB SHALL NOT OCCUR AT SAME TIME.

**STAGE 3 STEP 1**

OBJECTIVE: COMPLETE DIVISION ST NORTH TRAFFIC ROUTING:

- SHIFT TRAFFIC ON DIVISION ST NORTH TO USE NEWLY CONSTRUCTED SOUTHBOUND LANES.
- MAINTAIN 1 LANE EACH DIRECTION. RESTRICT LEFT TURNS FROM DIVISION ST TO IL 13.

REMOVAL/DEMOLITION THIS STAGE:

- REMOVE THE EXISTING DIVISION ST NORTH NORTHBOUND PAVEMENT WITHIN AVAILABLE WORK ZONE LIMITS. REMOVAL OF EXISTING PAVEMENT SHALL BE LIMITED TO SECTION OF PAVEMENT ONLY THAT CAN BE INSTALLED WITH PCC JOINTED PAVEMENT.

PERMANENT ROADWAY CONSTRUCTION:

- DIVISION ST NORTH STA. 1+20 TO STA. 18+34 RT.
- CONSTRUCTION OPERATION TO BE CONTINUOUS 24-HR OPERATION DAILY UNTIL THE PCC SECTION IS OPENED TO TRAFFIC.
- LAKESHORE DR MAINTAIN LOCAL ACCESS
- COMPLETE CONSTRUCTION OF BOX CULVERT
- ANY WORK ASSOCIATED WITH CROSS CULVERTS AND STORM DRAIN PIPES SHALL BE COMPLETED AT NIGHT AND REOPENED TO TRAFFIC THE NEXT DAY.

**STAGE 3 STEP 2**

- REMOVE EXISTING HMA PAVEMENT AND COMPLETE RAISED ISLANDS ON DIVISION ST.
- COMPLETE TRAFFIC SIGNAL OPERATIONS AND REMOVE TEMPORARY SIGNAL SERVICES.

**DRAINAGE BOX CULVERT CONSTRUCTION**

STEP 1

- REMOVE A PORTION OF EXISTING BOX CULVERT TO FACILITATE CONSTRUCTION OF AT LEAST ONE LANE OF TRAFFIC OVER PROPOSED BOX CULVERT.
- POROUS GRANULAR BACKFILL MAY BE REQUIRED TO BRIDGE TOP OF EXISTING AND PROPOSED CULVERT WORKING UP TO THE FINAL GRADE BETWEEN EXISTING AND PROPOSED TRAFFIC LANE SHIFTS.
- TEMPORARY SHORING MAY BE REQUIRED AS DIRECTED BY THE ENGINEER. IF REQUIRED, THE COST OF THE TEMPORARY SHORING SHALL BE INCLUDED IN THE COST PER CUBIC YARD FOR POROUS GRANULAR BACKFILL.

STEP 2

- SHIFT SOUTHBOUND TRAFFIC TO OUTSIDE LANE OVER NEWLY CONSTRUCTED PORTION OF BOX CULVERT. MAINTAIN NORTHBOUND TRAFFIC IN STAGE 2 CONFIGURATION.
- CONSTRUCT A PORTION OF BOX CULVERT.
- WORK ASSOCIATED WITH 6'x4' BOX CULVERT MAY BE DONE DURING BOTH DAY AND NIGHT TIMES.

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