

PHASING NOTES

PROJ. REFERENCE NO.	SHEET NO.
I-2102	TCP-3

PHASE I

- STEP 1: - INSTALL WORK ZONE ADVANCE WARNING SIGNS ALONG SR 1101 (HARPER ROAD) -L- AND I-40 -Y4-. (SEE TCP-21 AND TCP-22)
- STEP 2:
- A. - CLOSE SOUTHBOUND LANE OF -L- FROM STA. 7+75+/- -L- TO STA. 18+05+/- -L- AS SHOWN ON SHEET TCP-5.
- B. - BEGIN CONSTRUCTION OF SB PROPOSED -L- UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE USING ROADWAY STANDARD DRAWING 1101.02 SHEET 1 OF 7 FROM: (SEE SHEET TCP-5 AND TCP-8, TYPICAL 1)
- STA. 10+00+/- -L- TO STA. 16+50+/- -L-
 - STA. 17+30+/- -L- TO STA. 18+76+/- -L-
 - STA. 22+63+/- -L- TO STA. 23+47+/- -L-
 - STA. 24+30+/- -L- TO STA. 38+42+/- -L-
- INSTALL TEMPORARY GUARDRAIL ALONG SR 1101 (HARPER ROAD) -L- FROM STA. 18+05 +/- -L- TO STA. 19+48 +/- -L- AND FROM STA. 22+10 +/- -L- TO STA. 23+15 +/- -L- USING ROADWAY STANDARD 1101.02 SHEET 1 OF 7. THEN INSTALL TEMPORARY SHORING ALONG SR 1101 (HARPER ROAD) -L- FROM STA. 18+65 +/- -L- TO STA. 19+25 +/- -L- AND FROM STA. 22+10 +/- -L- TO STA. 22+65 +/- -L-. IF CONSTRUCTION AREA DOES NOT ALLOW, INSTALL SHORING THEN GUARDRAIL IN A CONTINUOUS MANNER UNTIL COMPLETE. (SEE TCP- 6, TYPICAL SECTION 2)
- NOTE: ONCE TEMPORARY GUARDRAIL AND SHORING ARE INSTALLED ON -L- (SR 1101), AS STATED ABOVE, BEGIN CONSTRUCTING END BENTS 1 & 2 UP TO BUT NOT INCLUDING PLACEMENT OF GIRDERS. (SEE SHEET TCP-9)
- USE ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3, 6 AND 7 OF 7, AND TEMPORARY SHOULDER CLOSURE DETAIL SHOWN ON SEE TCP-23 FOR THE FOLLOWING WORK:
- CONSTRUCT WIDENING ALONG EXISTING WB I-40 (-Y4-) FROM STA.12+20+/- -Y4- TO STA. 27+74+/- -Y4- AND WEDGE INTO EXISTING I-40 FOR A SMOOTH TRANSITION (SEE SHEET TCP-6 & 7, TYPICAL 3)
 - STRENGTHEN SHOULDER ALONG WB I-40 -Y4- FROM STA 27+74 +/- -Y4- TO STA 43+00 +/- -Y4- (SEE SHEET TCP-6 & 7, TYPICAL 3)
 - CONSTRUCT WIDENING ALONG EB I-40 -Y4- FROM STA 11+60 +/- -Y4- TO STA. 23+38 +/- -Y4- AND WEDGE WIDENING INTO EXISTING I-40 FOR A SMOOTH TRANSITION (SEE SHEET TCP-6 & 7, TYPICAL 3).
 - STRENGTHEN SHOULDER ALONG EB I-40 -Y4- FROM STA 23+38 +/- -Y4- TO STA 40+40 +/- -Y4- (SEE SHEET TCP-6 & 7, TYPICAL 3).
- USING ROADWAY STANDARD DRAWING NUMBER 1101.02, SHEET 1 AND 3 OF 7, BEGIN CONSTRUCTING PROPOSED RAMP B (-RPB-) UP TO EDGE AND ELEVATION OF EXISTING -L- AND -Y4- FROM: (SEE SHEET TCP-6 AND 7)
- STA. 0+00 +/- -RPB- TO STA. 5+20 +/- -RPB-
 - STA. 7+20 +/- -RPB- TO STA.13+10 +/- -RPB-
- USING ROADWAY STANDARD DRAWING NUMBER 1101.02 SHEET 1 AND 3 OF 7, BEGIN CONSTRUCTING PROPOSED RAMP C (-RPC-) FROM STA 0+00 +/- -RPC- TO STA. 13+50+/- -RPC- AND TEMPORARY GRADE FROM 13+50+/- -RPC- TO STA. 16+91+/- -RPC- UP TO EDGE AND ELEVATION OF EXISTING -L- AND -Y4- (SEE SHEET TCP-6 AND 7).
- BEGIN CONSTRUCTING PROPOSED -Y1- USING ROADWAY STANDARD 1101.02 SHEET 1 OF 7, FROM STA. 10+00+/- -Y1- TO STA. 28+66+/- -Y1- UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. DO NOT CONSTRUCT NB CURB & GUTTER FROM STA. 10+00+/- -Y1- TO STA. 14+10+/- -Y1- (SEE SHEET TCP-8).
- BEGIN CONSTRUCTION OF -Y2- AND -Y3-
- STEP 3:
- A. - PLACE PAINT PAVEMENT MARKINGS AND TEMPORARY MARKERS FOR EB AND WB I-40 TRAFFIC SHIFT FROM STA. 31+85+/- -Y4- TO STA. 39+55+/- -Y4- USING ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 7 AND SHIFT TRAFFIC (SEE SHEET TCP-9, TYPICAL 4).
- B. - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 3, 6 AND 7 OF 7 INSTALL PORTABLE CONCRETE BARRIER FROM STA 33+15 +/- TO STA 38+25 +/- ALONG -Y4- WB AND EB MEDIAN AND REMOVE EXISTING MEDIAN GUARDRAIL FROM WB I-40 (-Y4-) FROM STA 33+15 +/- -Y4- TO STA 39+55 +/- -Y4- AND EB I-40 (-Y4-) FROM STA 31+85 +/- -Y4- TO STA 38+25 +/- -Y4-. INSTALL TEMPORARY GUARDRAIL ALONG I-40 (-Y4-) MEDIAN EB FROM STA 31+85 +/- -Y4- TO STA 33+15 +/- -Y4- AND WB FROM STA 39+55 +/- -Y4- TO STA 38+25 +/- -Y4- TO TIE-IN WITH PORTABLE CONCRETE BARRIER AND EXISTING GUARDRAIL. IF TEMPORARY GUARDRAIL CANNOT BE COMPLETED IN A CONTINUOUS MANNER, PROTECT THE END WITH APPROVED TMIA UNTIL THE NEXT WORKING DAY OF GUARDRAIL COMPLETION (SEE TCP-9, TYPICAL 4).
- C. - INSTALL TEMPORARY SHORING ALONG I-40 (-Y4-) FROM STA 35+08 +/- -Y4- TO STA 36+32 +/- -Y4- (SEE SHEET TCP-9).
- D. - BEGIN CONSTRUCTING INTERIOR BENT 1.
- E. - RELOCATE SIGNAL POLES AT THE INTERSECTION OF SR 1101 (HARPER ROAD) -L- AND RAMP A -RPA- USING FLAGGERS (SEE TRAFFIC SIGNAL PLANS).
- STEP 4:
- A. - USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 7, COMPLETE CONSTRUCTION OF -Y1- FROM STA. 10+00+/- -Y1- TO STA. 28+66+/- -Y1- UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE AND TIE-IN TO EXISTING -L- FOR A SMOOTH TRANSITION USING ROADWAY STANDARD DRAWING 1101.02 SHEET 1 OF 7. DO NOT CONSTRUCT NB CURB & GUTTER FROM STA. 10+00+/- -Y1- TO STA. 14+10+/- -Y1-. CONSTRUCT ENTIRE PORTION OF -Y2- UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE AND MAINTAIN ACCESS AT ALL TIMES. (SEE SHEET TCP-8)
- B. - REVISE TRAFFIC SIGNAL AT THE INTERSECTION OF SR 1101 (HARPER ROAD) -L- AND RAMP A (-RPA-) FOR EXISTING -Y1- CLOSURE AND SHIFT TRAFFIC ON NEWLY CONSTRUCTED -Y1- AND -Y2- AND CLOSE EXISTING SR 1100 TO TRAFFIC (SEE SHEET TCP-10).
- C. - CONSTRUCT CURB & GUTTER ALONG NB -Y1- FROM STA. 10+00+/- -Y1- TO STA. 14+10+/- -Y1- USING ROADWAY STANDARD DRAWING NUMBER 1101.02 SHEET 1 OF 7.
- BORE AND JACK PROPOSED WATER PIPE ALONG -L- FROM STA 16+20 +/- TO STA 24+10 +/- WITH A 66 FT LEFT OFFSET (SEE UTILITY CONSTRUCTION PLANS).
- BEGIN REMOVING EXISTING PAVEMENT ON SR 1100 ACCORDING TO CONSTRUCTION PLANS.

PHASE I (CON'T)

- STEP 5:
- USING ROADWAY STANDARD 1101.02 SHEET 1 AND 3 OF 7 CONSTRUCT RAMP A (-RPA-) FROM STA. 0+00+/- (-RPA-) TO STA. 4+71+/- (-RPA-) UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE AND EXCLUDING CONCRETE ISLAND. USING ROADWAY STANDARD DRAWING 1101.02 SHEET 1 OF 7. COMPLETE CONSTRUCTION OF -RPB- FROM STA. 0+00+/- (-RPB-) TO STA. 13+57 +/- (-RPB-) UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. TRANSITION RAMP A, RAMP B AND -L- TO EXISTING ROADWAY FOR A SMOOTH TRANSITION. PLACE "BUMP" (WB-1) SIGNS 350 FEET PRIOR TO -L- TRANSITION. PLACE PAVEMENT MARKINGS, REVISE TRAFFIC SIGNAL AND OPEN -RPB- TO TRAFFIC. (SEE SIGNAL PLANS AND TCP-10, INSET A)
 - COMPLETE CONSTRUCTION OF RAMP C FROM STA 0+00+/- -RPC- TO STA. 13+50+/- -RPC- UP TO BUT NOT INCLUDING FINAL SURFACE COURSE AND TIE-IN TO EXISTING I-40 USING ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 7. CONSTRUCT TEMPORARY TIE-IN OF RAMP C FROM STA. 13+50+/- -RPC- TO STA. 16+91+/- -RPC- UP TO EDGE AND ELEVATION OF EXISTING PAVEMENT USING ROADWAY STANDARD DRAWING 1101.02 SHEET 1 OF 7. PLACE PAINT PAVEMENT MARKINGS AND KEEP RAMP C CLOSED TO TRAFFIC.
 - COMPLETE CONSTRUCTION OF STAGE 1 OF END BENTS 1 & 2 AND INTERIOR BENT 1 OF PROPOSED STRUCTURE UP TO BUT NOT INCLUDING THE PLACEMENT OF GIRDERS OVER I-40 (SEE STRUCTURE PLANS).
- COMPLETE THE WORK REQUIRED IN PHASE I, STEP 6 A AND B WITHIN 3 CONSECUTIVE NIGHTS FROM FRIDAY THRU SUNDAY FROM 11:00 P.M. TO 5:00 A.M. EACH DAY (SEE INTERMEDIATE CONTRACT TIME 2 AND LIQUIDATED DAMAGES)
- STEP 6:
- A. - OPEN RAMP C TO TRAFFIC (SEE SHEET TCP-11)
- B. - USING ROADWAY STANDARD DRAWING 1101.03 SHEET 7 OF 9 AND POLICE, SET SIGNALS TO FLASH MODE AT THE INTERSECTION OF RAMP A, RAMP B AND -L-, CLOSE I-40 AND DIRECT EXISTING I-40 TRAFFIC TO RAMP A, B, C AND D AND PLACE GIRDERS. SECURE THE GIRDERS AT THE END OF EACH WORK PERIOD AS DIRECTED BY THE ENGINEER. PLACE TRAFFIC BACK ON EXISTING I-40, RESET SIGNALS AND CLOSE RAMP C TO TRAFFIC WHEN NOT PLACING GIRDERS. (SEE SHEET TCP-11)
- STEP 7:
- COMPLETE ENTIRE STAGE 1 OF PROPOSED STRUCTURE AND PLACE PORTABLE CONCRETE BARRIER FROM: STA. 16+75+/- -L- TO STA. 23+25+/- -L- (SEE CONSTRUCTION PLANS AND TCP-12, TYPICAL 5)
 - COMPLETE CONSTRUCTION OF PROPOSED SB -L- UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE USING ROADWAY STANDARD DRAWING 1101.02 SHEET 1 OF 7 FROM: (SEE SHEET TCP-12)
 - STA. 10+00+/- -L- TO STA. 18+76+/- -L-
 - STA. 22+63+/- -L- TO STA. 23+47+/- -L-
 - STA. 24+30+/- -L- TO STA. 38+42+/- -L- - COMPLETE RAMP C -RPC- UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE BUT KEEP CLOSED TO TRAFFIC FROM: STA. 13+50+/- -RPC- TO STA. 16+91+/- -RPC- (SEE SHEET TCP-12)
- COMPLETE THE WORK REQUIRED IN PHASE I, STEP 8, A THRU G WITHIN 21 CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME 4 AND LIQUIDATED DAMAGES)
- STEP 8:
- COMPLETE THE WORK REQUIRED IN PHASE I, STEP 8, A THRU C WITHIN 24 CONSECUTIVE HOURS. (SEE INTERMEDIATE CONTRACT TIME 4A AND LIQUIDATED DAMAGES)
- NOTE: WORK IN A CONTINUOUS MANNER IN STEP 8, A THRU C UNTIL WORK IS COMPLETE
- A. - PLACE PAINT PAVEMENT MARKINGS AND TEMPORARY MARKERS ON NEWLY CONSTRUCTED SB -L- AND TIE-IN WITH EXISTING MARKINGS (SEE SHEETS TCP-13, TCP-14 AND TCP-15).
- B. - REMOVE LANE CLOSURE FROM STA. 8+50+/- -L- TO STA. 17+08+/- -L- AND SHIFT EXISTING SR 1101 HARPER ROAD TRAFFIC ONTO NEWLY CONSTRUCTED SB -L- IN A TWO LANE-TWO WAY TRAFFIC PATTERN.
- C. - USING FLAGGERS AND ROADWAY STANDARD DRAWING 1101.02 SHEET 1 OF 7, REVISE SIGNAL AT RAMP B/A AND -L- INTERSECTION AND PLACE PAINT PAVEMENT MARKINGS AND MARKERS AND TIE IN WITH MARKINGS ON SB -L-. (SEE SIGNAL PLANS AND TCP-14)
- D. - INSTALL OFF-SITE DETOUR SIGNS FOR RAMP D CLOSURE AS SHOWN ON SHEET TCP-20 AND CLOSE RAMP D TO TRAFFIC.
- E. - CONSTRUCT PROPOSED RAMP D FROM STA. 0+00+/- -RPD- TO STA. 4+10+/- -RPD- UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE, EXCLUDING CURB AND GUTTER, AND TIE IN WITH PROPOSED SB -L-. (SEE SHEET TCP-14)
- F. - REMOVE PORTABLE CONCRETE BARRIER (PCB) FROM STA. 16+75 +/- -L- TO STA. 18+76 +/- -L- AND RESET CRASH CUSHION.
- G. - OPEN -RPD- TO TRAFFIC. SEE SHEET TCP-16 FOR -RPD- DRUM AND BARRICADE PLACEMENT.

* THE LIQUID DAMAGES FOR INTERMEDIATE CONTRACT TIMES 4 AND 4A ARE NOT CUMULATIVE.

APPROVED: <i>M. McDaniel</i> DATE: 03/04		PHASING NOTES			
	SCALE: NONE				
	DATE: 03/04			REVISIONS	
	DWG. BY: WAJ				
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