

PROJECT PHASING

PROJ. REFERENCE NO.	SHEET NO.
I-4025A	TCP-3

PHASE I

- STEP 1: - CONTRACTOR SHALL:**
- INSTALL ADVANCE WORK ZONE WARNING SIGNS ALONG I-77 SB (-SBL-), US 21 BYPASS SB AND NC 268 AS SHOWN ON SHEETS TCP-11 THRU TCP-13.
 - INSTALL "\$250 SPEEDING PENALTY" SIGNS AND "SPEED LIMIT 55" SIGNS (R2-1) ONLY ON I-77 SB AND US 21 BYPASS SB, AS SHOWN ON SHEETS TCP-11, TCP-13 AND TCP-14.
 - INSTALL CHANGEABLE MESSAGE SIGNS (CMS) ON I-77 SB (-SBL-) AND US 21 BYPASS SB, AS DIRECTED BY THE ENGINEER.
 - FURNISH AND INSTALL "NO PARKING" SIGNS (R8-3)(36"X48") ONLY ON I-77 SB (-SBL-) AND US 21 BYPASS SB, AS DIRECTED BY THE ENGINEER.
- STEP 2: - CONTRACTOR, USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 1, 3 OF 7 AND 1101.04:**
- SHALL CONSTRUCT TEMPORARY 4 FOOT INSIDE SHOULDERS UP TO THE EDGE AND ELEVATION OF THE EXISTING PAVEMENT AT THE FOLLOWING LOCATIONS ON I-77 SB (-SBL-)(SEE CONSTRUCTION PLANS AND SHEET TCP-4):
 - STA. 8+90 +/- -SBL- TO STA. 15+00 +/- -SBL-
 - STA. 43+14 +/- -SBL- TO STA. 48+15 +/- -SBL-
- NOTE: THE REMAINING TEMPORARY INSIDE SHOULDERS ON I-77 SB (-SBL-) FROM STA. 15+00 +/- -SBL- TO EXISTING STRUCTURE AND FROM EXISTING STRUCTURE TO STA. 43+14 +/- -SBL- WAS CONSTRUCTED UNDER PROJECT I-4025.
- MAY INSTALL PORTABLE CONCRETE BARRIER (PCB) ON THE NC 268 WB SHOULDER AND MAY BEGIN CONSTRUCTION OF PROPOSED SUB-STRUCTURE OF PROPOSED STRUCTURE, AS DIRECTED BY THE ENGINEER. (SEE CONSTRUCTION PLANS AND SHEET TCP-4).
 - MAY BEGIN CONSTRUCTION OF PROPOSED SIGNS, AS DIRECTED BY THE ENGINEER (SEE SIGNING PLANS).
- STEP 3: - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 3, 6 & 7 OF 7, 1101.07, SHEETS 1 & 2 OF 2, AND 1101.04:**
- REMOVE EXISTING PAVEMENT MARKING LINES AND PLACE INTERMEDIATE PAVEMENT MARKINGS (PAINT ON EXISTING CONCRETE PAVEMENT/STRUCTURE THAT WILL BE REMOVED AND TAPE ON EXISTING CONCRETE/ASPHALT PAVEMENT THAT WILL REMAIN) & TEMPORARY RAISED PAVEMENT MARKERS FOR TWO 11 FOOT/12 FOOT TRAVEL LANES ON I-77 SB (-SBL-) FROM STA. 8+90 +/- -SBL- TO STA. 48+15 +/- -SBL- AND OPEN TO AN INTERMEDIATE TWO-LANE, ONE-WAY TRAFFIC PATTERN. (SEE SHEETS TCP-5 THRU TCP-7).
- NOTE: USE 12 FOOT TRAVEL LANES ON EXISTING STRUCTURE. (SEE SHEET TCP-6).
- NOTE: CONTRACTOR SHALL PLACE TEMPORARY YELLOW RAISED PAVEMENT MARKERS & TEMPORARY CRYSTAL/RED RAISED PAVEMENT MARKERS, ON 20 FOOT CENTERS, ALONG THE INSIDE OF EACH EDGE LINE AND TEMPORARY CRYSTAL/RED RAISED PAVEMENT MARKERS ON 40 FOOT CENTERS ON THE WHITE SKIP LINES FROM STA. 8+15 +/- -SBL- TO STA. 48+15 +/- -SBL-.
- NOTE: CONTRACTOR SHALL REMOVE AND PLACE WHITE TAPER EDGE LINE (TAPE), TEMPORARY PUSH OVER ARROWS (TAPE) AND TEMPORARY CRYSTAL/RED RAISED PAVEMENT MARKERS FOR ACCELERATION RAMP FROM US 21 BYPASS SB AS SHOWN ON SHEET TCP-7.
- INSTALL PORTABLE CONCRETE BARRIER (PCB) ON OUTSIDE SHOULDER OF I-77 SB (-SBL-) FROM STA. 10+41 +/- -SBL- TO STA. 25+20 +/- -SBL- (BEGINNING OF EXISTING STRUCTURE) AND FROM STA. 32+80 +/- -SBL- (END OF EXISTING STRUCTURE) TO STA. 45+75 +/- -SBL-. (SEE SHEETS TCP-5 THRU TCP-7).
- NOTE: UTILIZE THE SPECIAL ANCHOR UNIT TO CONNECT PORTABLE CONCRETE BARRIER (PCB) TO EXISTING STRUCTURE. (SEE CONSTRUCTION PLANS AND SHEET TCP-6).

- STEP 4: - CONTRACTOR SHALL CONSTRUCT PROPOSED OUTSIDE WIDENING OF I-77 SB (-SBL-), INCLUDING STAGE I OF PROPOSED STRUCTURE (UTILIZING SHORING, AS DIRECTED BY THE ENGINEER), UP TO & INCLUDING THE FINAL ELEVATION/LAYER OF SURFACE COURSE (INCLUDING REQUIRED DRAINAGE AND PROPOSED RETAINING WALL) FROM STA. 10+41.33 +/- -SBL- TO STA. 45+75 +/- -SBL- (SEE CONSTRUCTION PLANS AND SHEETS TCP-5 THRU TCP-7).**
- NOTE: ALL PROPOSED DROP INLETS AND STEEL GRATES ON PROPOSED OUTSIDE SHOULDER OF I-77 SB (-SBL-) SHALL BE TRAFFIC BEARING. IN ADDITION, THESE STEEL GRATES SHALL BE WELDED OR ATTACHED TO THE DROP INLET, AS DIRECT BY THE ENGINEER, TO KEEP THE STEEL GRATES IN PLACE DURING THE TRAFFIC SHIFT IN PHASE II, STEP 1.
- NOTE: INSTALL PORTABLE CONCRETE BARRIER (PCB) ON THE NC 268 WB SHOULDER TO CONSTRUCT PROPOSED I-77 SB (-SBL-) STRUCTURE, AS DIRECTED BY THE ENGINEER. (SEE CONSTRUCTION PLANS AND SHEET TCP-4).
- CONTRACTOR SHALL PLACE INTERMEDIATE PAVEMENT MARKINGS (TAPE) & TEMPORARY RAISED PAVEMENT MARKERS FOR TWO 11.5 FOOT/12 FOOT TRAVEL LANES ON NEWLY COMPLETED I-77 SB (-SBL-) WIDENING, AS MUCH AS POSSIBLE AWAY FROM TRAFFIC, FROM STA. 10+41 +/- -SBL- TO STA. 45+75 +/- -SBL-. (SEE SHEETS TCP-8 THRU TCP-10).
- NOTE: USE 11.5 FOOT TRAVEL LANES ON NEWLY COMPLETED STAGE I OF PROPOSED STRUCTURE. (SEE SHEET TCP-9).
- NOTE: CONTRACTOR SHALL PLACE TEMPORARY YELLOW RAISED PAVEMENT MARKERS & TEMPORARY CRYSTAL/RED RAISED PAVEMENT MARKERS, ON 20 FOOT CENTERS, ALONG THE INSIDE OF EACH EDGE LINE AND TEMPORARY CRYSTAL/RED RAISED PAVEMENT MARKERS ON 40 FOOT CENTERS ON THE WHITE SKIP LINES FROM STA. 10+41 +/- -SBL- TO STA. 45+75 +/- -SBL-.
- CONTRACTOR SHALL INSTALL PORTABLE CONCRETE BARRIER (PCB) ON PROPOSED WIDENING OF I-77 SB (-SBL-) FROM STA. 19+00 +/- -SBL- TO STA. 38+80 +/- -SBL-. (SEE SHEETS TCP-8 THRU TCP-10).
- NOTE: ANCHORED PORTABLE CONCRETE BARRIER SHALL BE INSTALLED FROM STA. 24+00 +/- -SBL- TO STA. 33+50 +/- -SBL-. (SEE SHEET TCP-8).

PHASE II

- STEP 1: - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 3, 6 AND 7 OF 7, 1101.07, SHEETS 1 & 2 OF 2, AND 1101.04:**
- REMOVE PORTABLE CONCRETE BARRIER ALONG EXISTING OUTSIDE SHOULDER OF I-77 SB (-SBL-), PLACE REMAINDER OF INTERMEDIATE PAVEMENT MARKINGS (TAPE) & TEMPORARY RAISED PAVEMENT MARKERS FOR TWO 11.5 FOOT/12 FOOT TRAVEL LANES ON NEWLY COMPLETED I-77 SB (-SBL-) WIDENING FROM STA. 10+41 +/- -SBL- TO STA. 45+75 +/- -SBL- AND OPEN TO AN INTERMEDIATE TWO-LANE, ONE-WAY TRAFFIC PATTERN. (SEE SHEETS TCP-8 THRU TCP-10).
- NOTE: CONTRACTOR SHALL PLACE TEMPORARY YELLOW RAISED PAVEMENT MARKERS & TEMPORARY CRYSTAL/RED RAISED PAVEMENT MARKERS, ON 20 FOOT CENTERS, ALONG THE INSIDE OF EACH EDGE LINE AND TEMPORARY CRYSTAL/RED RAISED PAVEMENT MARKERS ON 40 FOOT CENTERS ON THE WHITE SKIP LINES FROM STA. 10+41 +/- -SBL- TO STA. 45+75 +/- -SBL-.
- NOTE: CONTRACTOR SHALL REMOVE AND PLACE WHITE TAPER EDGE LINE (TAPE), TEMPORARY PUSH OVER ARROWS (TAPE) AND TEMPORARY CRYSTAL/RED RAISED PAVEMENT MARKERS FOR ACCELERATION RAMP FROM US 21 BYPASS SB AS SHOWN ON SHEET TCP-10.
- STEP 2: - CONTRACTOR SHALL CONSTRUCT REMAINDER OF PROPOSED I-77 SB (-SBL-), INCLUDING STAGE II OF PROPOSED STRUCTURE (UTILIZING SHORING, AS DIRECTED BY THE ENGINEER), UP TO & INCLUDING THE FINAL ELEVATION/LAYER OF SURFACE COURSE (INCLUDING REQUIRED DRAINAGE) FROM STA. 10+41.33 +/- -SBL- TO STA. 45+75 +/- -SBL- (SEE CONSTRUCTION PLANS AND SHEETS TCP-8 THRU TCP-10).**
- CONTRACTOR SHALL PLACE FINAL PAVEMENT MARKINGS (POLYUREA) & PERMANENT RAISED PAVEMENT MARKERS (ON STRUCTURE) AND SNOWPLOWABLE PAVEMENT MARKERS (ON PROPOSED/EXISTING CONCRETE PAVEMENT) FOR THE FINAL PATTERN ON NEWLY COMPLETED I-77 SB (-SBL-) WIDENING, AS MUCH AS POSSIBLE AWAY FROM TRAFFIC, FROM STA. 10+41 +/- -SBL- TO STA. 45+75 +/- -SBL-. (SEE SHEETS PM-1 THRU PM-4).
 - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 3, 6 & 7 OF 7, 1101.07, SHEETS 1 & 2 OF 2, AND 1101.04:
 - CONSTRUCT PROPOSED SIGNS. (SEE SIGNING PLANS).
- STEP 3: - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 3, 6 & 7 OF 7, 1101.07, SHEETS 1 & 2 OF 2, AND 1101.04:**
- REMOVE PORTABLE CONCRETE BARRIER ALONG PROPOSED WIDENING OF I-77 SB (-SBL-), PLACE REMAINDER OF FINAL PAVEMENT MARKINGS (POLYUREA) AND PERMANENT RAISED PAVEMENT MARKERS (ON STRUCTURE) AND SNOWPLOWABLE PAVEMENT MARKERS (ON PROPOSED/EXISTING CONCRETE PAVEMENT) FOR THE FINAL PATTERN ON I-77 SB (-SBL-) FROM STA. 10+41 +/- -SBL- TO STA. 45+75 +/- -SBL- AND OPEN TO FINAL TRAFFIC PATTERN. (SEE SHEETS PM-1 THRU PM-4).
- STEP 4: - CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES, AND RETURN SPEED LIMIT ON I-77 SB (-SBL-) & US 21 BYPASS SB BACK TO 70 MPH.**

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mmainriquez AT TEL095141

APPROVED: DATE: <u>June</u>	<h2 style="margin: 0;">PHASING</h2>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <td style="width: 50%;">SCALE: NONE</td> <td style="width: 50%;">REVISIONS</td> </tr> <tr> <td>DATE: JUNE 04</td> <td></td> </tr> <tr> <td>DWG. BY: MRM</td> <td></td> </tr> <tr> <td>DESIGN BY: MRM</td> <td></td> </tr> <tr> <td>REVIEWED BY: JWG</td> <td></td> </tr> </table>	SCALE: NONE	REVISIONS	DATE: JUNE 04		DWG. BY: MRM		DESIGN BY: MRM		REVIEWED BY: JWG	
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