



PHASE I

STEP 1:

ERECT WORK ZONE ADVANCE WARNING SIGNS ON US 29-70/I-85 BUS AND ALL -Y- LINES IN ACCORDANCE WITH THE DETAIL DRAWINGS FOR WORK ZONE SIGNS. (SEE TCP-46)

ERECT SPEED REDUCTION SIGNING AND SPEED LIMIT SIGNS ON US 29-70/I-85 BUS IN ACCORDANCE WITH THE DETAIL DRAWING FOR WORK ZONE SIGNS. (SEE TCP-47 AND 48)

NOTE: THE CONTRACTOR MAY WORK PHASE I, STEPS 2, 3 AND 4 SIMULTANEOUSLY, AS DIRECTED BY THE ENGINEER.

STEP 2:

USING RDWY STD 1101.02 SHEET 1 OF 7 INSTALL AND ACTIVATE THE TEMPORARY SIGNAL AT THE INTERSECTION OF SR 1242 W CENTER ST EXT AND W CENTER ST IN ACCORDANCE WITH THE SIGNAL PLANS.

USING RDWY STD 1101.04 CONSTRUCT CULVERT EXTENSION AND BORE AND JACK 72" SMOOTH STEEL PIPE AT -Y6- STA 21+00+/- . (SEE TCP-4)

USING RDWY STD 1101.02 SHEET 1 OF 7, APPLY PAVEMENT MARKINGS ON -Y1- AND SHIFT TRAFFIC TO THE WEST SIDE OF THE EXISTING ROADWAY. UPON COMPLETION OF THE TRAFFIC SHIFT, PLACE PORTABLE CONCRETE BARRIER ADJACENT TO THE NB LANE OF -Y1- FROM STA 15+53+/- TO STA 18+68+/- . (SEE TCP-5)

STEP 3:

CONSTRUCT STAGE 1 OF THE PROPOSED CULVERT AT -Y1- STA 17+00+/- . (SEE TCP-7)

USING RDWY STD 1101.02 SHEET 1 OF 7, CONSTRUCT -Y3- DETOUR WIDENING UP TO THE EDGE AND ELEVATION OF THE EXISTING PAVEMENT. (SEE TCP-7)

USING RDWY STD 1101.02 SHEET 1 OF 7, REMOVE THE EXISTING ISLAND AT THE INTERSECTION OF SR 1401 AND SR 1242 W CENTER ST EXT AND REPAIR THE PAVEMENT TO THE ELEVATION OF THE EXISTING PAVEMENT. (SEE TCP-7)

USING RDWY STD 1101.02 SHEET 1 OF 7 AND FLAGGERS AS DIRECTED BY THE ENGINEER, CONSTRUCT -Y6- FROM STA 12+45+/- TO STA 23+32+/- EXCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE TCP-6). APPLY PAVEMENT MARKINGS AND DIRECT TRAFFIC INTO THE PATTERN SHOWN ON TCP-8.

USING RDWY STD 1101.02 SHEET 1 OF 7, CONSTRUCT -Y1- SR 1242 W CENTER ST EXT FROM -Y1- STA 20+95+/- TO STA 27+30+/- EXCLUDING THE FINAL LAYER OF SURFACE COURSE. (SEE TCP-4 AND 5)

STEP 4:

EXTEND EXISTING 78" METAL PIPES AT -Y1- STA 18+50+/- AND CONSTRUCT -Y1- DETOUR FROM STA 14+75+/- TO STA 18+85+/- . (SEE TCP-7)

NOTE: THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF STEPS 5 THROUGH 8 IN A CONTINUOUS OPERATION WITHIN 24 HOURS.

STEP 5:

USING RDWY STD 1101.02 SHEET 1 OF 7, DIRECT SR 1242 W CENTER ST EXT TRAFFIC INTO A ONE LANE TWO WAY PATTERN IN THE EXISTING SOUTHBOUND LANE; REMOVE PORTABLE CONCRETE BARRIER FROM -Y1- STA 15+53+/- TO STA 18+68+/-; TIE IN THE LEFT SIDE OF -Y1- DETOUR FROM STA 14+75+/- TO THE -Y3- DETOUR INTERSECTION, AND FROM STA 18+85+/- TO STA 20+00+/- . (SEE TCP-9)

STEP 6:

USING RDWY STD 1101.02 SHEET 1 OF 7, REDIRECT SR 1242 W CENTER ST EXT TRAFFIC INTO THE NB LANE OF -Y1- DETOUR; TIE IN THE RIGHT SIDE OF -Y1- DETOUR FROM STA 14+75+/- TO STA 15+35+/- , AND FROM STA 18+85+/- TO STA 20+00+/-; TIE IN THE LEFT SIDE OF -Y3- DETOUR FROM STA 11+00+/- TO STA 12+43+/- . (SEE TCP-10)

STEP 7:

USING RDWY STD 1101.02 SHEET 1 OF 7, TIE IN THE RIGHT SIDE OF -Y3- DETOUR FROM STA 11+00+/- TO STA 12+43+/- . PLACE PORTABLE CONCRETE BARRIER ADJACENT TO -Y1- DETOUR AND -Y3- DETOUR FROM -Y3DET- STA 11+16+/- TO -Y1- STA 22+68+/- . (SEE TCP-11)

STEP 8:

USING RDWY STD 1101.02 SHEET 1 OF 7, APPLY PAVEMENT MARKINGS ON -Y1- DETOUR AND -Y3- DETOUR AND OPEN TO TWO WAY TRAFFIC. (SEE TCP-13)

STEP 9:

USING RDWY STD 1101.02 SHEET 3 OF 7, CONSTRUCT SBL DETOURS NO. 1 AND 2 IN ACCORDANCE WITH THE CONSTRUCTION PLANS. (SEE TCP-12 AND 13)

USING RDWY STD 1101.02 SHEET 3 OF 7 CONSTRUCT TEMPORARY PAVEMENT ADJACENT TO THE US 29-70/I-85 BUS NORTHBOUND LANE FROM -L- STA 19+30+/- TO STA 24+05+/- . (SEE TCP-12)

USING RDWY STD 1101.02 SHEET 3 OF 7 AND FLAGGERS AS DIRECTED BY THE ENGINEER, REMOVE THE EXISTING ISLAND AT THE INTERSECTION OF -Y3- AND US 29-70/I-85 BUS NORTHBOUND LANE, AND REPAIR THE PAVEMENT TO THE ELEVATION OF THE EXISTING PAVEMENT. (SEE TCP-12)

CONSTRUCT STAGE 2 OF THE PROPOSED CULVERT ADJACENT TO THE SOUTHBOUND LANE OF -Y1- SR 1242 W CENTER ST EXT. (SEE TCP-13)

USING RDWY STD 1101.02 SHEET 1 OF 7, PLACE PORTABLE CONCRETE BARRIER ADJACENT TO THE NORTHBOUND LANE OF -Y1- FROM STA 19+03+/- TO -Y4- STA 10+71+/- . (SEE TCP-13)

NOTE: THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF STEPS 10 AND 11 IN A CONTINUOUS OPERATION WITHIN 24 HOURS.

STEP 10:

INSTALL SIGNING AND IMPLEMENT WIDE LOAD DETOUR. (SEE TCP-52 THRU 56)

USING RDWY STD 1101.02 SHEET 3 OF 7, APPLY PAVEMENT MARKINGS AND PLACE PORTABLE CONCRETE BARRIER ON -L- NORTHBOUND LANES. (SEE TCP-14 AND 15)

USING RDWY STD 1101.02 SHEET 3 OF 7 ON -L- SB LANES, APPLY PAVEMENT MARKINGS ON SBL CROSSOVERS #1 AND #2. (SEE TCP-14, 15, AND 50)

USING RDWY STD 1101.02 SHEET 1 OF 7, APPLY PAVEMENT MARKINGS ON -Y3- SR 1401. (SEE TCP-14)

STEP 11:

USING DETAIL DRAWING FOR CLOSURE OF ONE SIDE OF A 4-LANE DIVIDED ROADWAY (SEE TCP-50), DIRECT SB US 29-70/I-85 BUS TRAFFIC ONTO THE SBL CROSSOVERS. PLACE REMAINDER OF PORTABLE CONCRETE BARRIER ON -L- . (SEE TCP-14 AND 15)

PHASE II

STEP 1

CONSTRUCT PROPOSED US 29-70/I-85 BUS SOUTHBOUND STRUCTURE AND APPROACHES INCLUDING NECESSARY TEMPORARY SHORING FROM -L- STA 25+29+/- TO STA 36+00+/- -L- EXCLUDING THE FINAL LAYER OF SURFACE COURSE. WHEN CONSTRUCTION OF THE PROPOSED STRUCTURE INTERFERES WITH TRAFFIC ON -Y1- W CENTER ST EXT USE RDWY STD 1101.03 SHEET 8 OF 9 TO STOP TRAFFIC. (SEE TCP-16 AND 17)

CONSTRUCT PROPOSED RETAINING WALL, DRAINAGE, AND EXPRESSWAY GUTTER ADJACENT TO -L- SOUTHBOUND LANES FROM STA 17+50 -L- TO STA 23+50 -L- . USING RDWY ST 1101.02 SHEET 1 OF 7, ERECT GUARDRAIL ALONG ROYAL AVENUE. (SEE TCP-16)

NOTE: THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF STEPS 2 THROUGH 5 WITHIN 60 CONSECUTIVE CALENDAR DAYS. SEE SPECIAL PROVISIONS FOR CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 2:

ERECT DETOUR SIGNING FOR CLOSURE OF RAMP C, LOOP C, AND -Y3- SR 1401, AND APPLY PAVEMENT MARKINGS ON -Y6- MAINTAINING EXISTING TRAFFIC PATTERNS. (SEE TCP-18, 40 THRU 42)

STEP 3:

INSTALL TYPE III BARRICADES, UNCOVER DETOUR SIGNING, AND CLOSE RAMP C, LOOP C, AND -Y3- SR 1401. (SEE TCP-18 AND 19)

REMOVE AND RESET PORTABLE CONCRETE BARRIER FROM THE INTERSECTION OF US 29-70/I-85 BUS SOUTHBOUND LANES AND -Y3- SR 1401, AND PLACE ADDITIONAL PORTABLE CONCRETE BARRIER FROM -L- STA 18+70+/- TO STA 25+22+/- . (SEE TCP-18)

STEP 4:

CONSTRUCT -L- US 29-70/I-85 BUS NORTHBOUND WIDENING UP TO THE EDGE AND ELEVATION OF THE EXISTING PAVEMENT FROM -L- STA 13+35+/- TO STA 20+28+/- . (SEE TCP-18)

CONSTRUCT LOOP C FROM STA 0+00 TO STA 4+09+/- EXCLUDING THE FINAL LAYER OF SURFACE COURSE. (SEE TCP-18)

CONSTRUCT RAMP C DETOUR FROM STA 10+72+/- TO STA 13+30+/- . (SEE TCP-18)

REMOVE EXISTING RAMP C/LOOP C PAVEMENT AS REQUIRED.

CONSTRUCT -L- US 29-70/I-85 BUS SOUTHBOUND FROM -L- STA 17+00 TO STA 25+29+/- EXCLUDING THE FINAL LAYER OF SURFACE COURSE. (SEE TCP-18)

CONSTRUCT -Y3- SR 1401 FROM -L- US 29-70/I-85 BUS TO -Y3- STA 13+86+/- EXCLUDING THE FINAL LAYER OF SURFACE COURSE. (SEE TCP-18)

STEP 5:

REMOVE PORTABLE CONCRETE BARRIER ADJACENT TO THE SOUTHBOUND US 29-70/I-85 BUS TRAFFIC FROM -L- STA 18+70+/- TO STA 23+00+/- , APPLY PAVEMENT MARKINGS ON -L- US 29-70/I-85 SOUTHBOUND LANES, AND DIRECT SOUTHBOUND US 29-70/I-85 BUS ONTO THE PROPOSED SOUTHBOUND LANES. (SEE TCP-20 AND 21)

APPLY PAVEMENT MARKINGS ON LOOP C, INSTALL AND ACTIVATE THE PROPOSED SIGNAL AT THE -Y6-/LOOP C INTERSECTION, AND OPEN LOOP C TO TRAFFIC. (SEE TCP-20)

APPLY PAVEMENT MARKINGS ON -Y3- SR 1401 AND OPEN TO TRAFFIC. (SEE TCP-20)

STEP 6:

WEDGE -L- US 29-70/I-85 BUS SOUTHBOUND MEDIAN LANE EXCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA 34+00 TO 36+00. (SEE TCP-21)

NOTE: THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF STEPS 7, 8 AND 9 IN A CONTINUOUS OPERATION WITHIN 48 HOURS.

STEP 7:

CONSTRUCT NBL DETOURS NO. 1 AND 2 IN ACCORDANCE WITH THE CONSTRUCTION PLANS. APPLY PAVEMENT MARKINGS, REMOVE AND RESET PORTABLE CONCRETE BARRIER FROM US 29-70/I-85 BUS NORTHBOUND LANES AND PLACE ADDITIONAL PORTABLE CONCRETE BARRIER FROM -L- STA 17+00+/- TO STA 38+02+/- . REPLACE RESET BARRIER WITH DRUMS AT 90' SPACING. REMOVE AND RESET PORTABLE CONCRETE BARRIER ADJACENT TO THE NB MEDIAN LANE FROM -L- STA 34+00+/- TO STA 35+00+/- AND PLACE PORTABLE CONCRETE BARRIER ON THE RIGHT SIDE OF NBL DETOUR NO. 1 FROM -L- STA 22+19+/- TO STA 23+68+/- . (SEE TCP-22 AND 23)

STEP 8:

USING DETAIL DRAWING FOR CLOSURE OF ONE SIDE OF A 4-LANE DIVIDED ROADWAY (SEE TCP-50), DIRECT NB US 29-70/I-85 BUS TRAFFIC ONTO THE NBL CROSSOVERS. COMPLETE APPLICATION OF PAVEMENT MARKINGS. (SEE TCP-24 AND 25)

CLOSE -Y4- SR 1292 ACCESS TO US 29-70/I-85 BUS USING TYPE III BARRICADES (SEE TCP-26 AND 27)

STEP 9:

CONSTRUCT RAMP C DETOUR FROM STA 13+30+/- TO STA 13+77+/- . APPLY PAVEMENT MARKINGS, AND OPEN RAMP C DETOUR TO TRAFFIC. (SEE TCP-26 AND 27)

TRAFFIC CONTROL PHASING

SCALE:	NONE		REVISIONS
DATE:	7/2004		
DWG. BY:	KWB/MGH		
DESIGN BY:	KWB		
REVIEWED BY:			



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