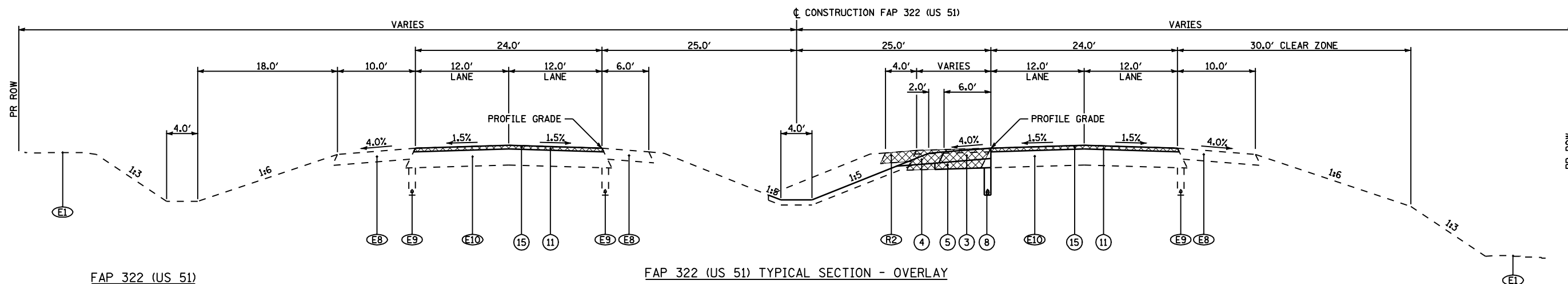


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	34
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FAP 322 (US 51)

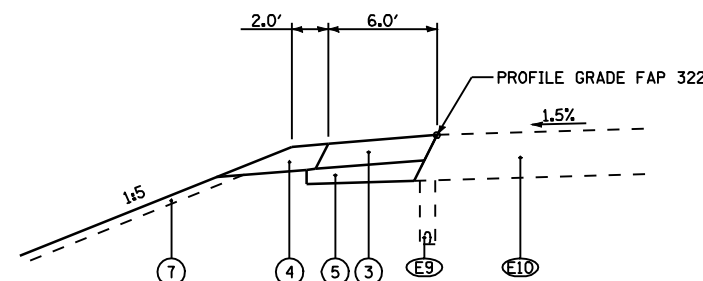
FAP 322 (US 51) TYPICAL SECTION - OVERLAY

STRUCTURAL DESIGN TRAFFIC: Year: 2015
 PV = 5248 SU = 190 MU = 512
 ROAD/STREET CLASSIFICATION: Class: 1
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 32% S = 45% M = 45%
 TRAFFIC FACTOR: Actual TF = 4.27 AC Type = 20
 Minimum TF = 2.45
 SUBGRADE SUPPORT RATING:
 SSR = POOR

STA 775+00.00 TO STA 778+00.00 NB LANES
 STA 778+00.00 TO STA 783+60.00 NB & SB LANES
 STA 783+60.00 TO STA 788+10.00 SB LANES

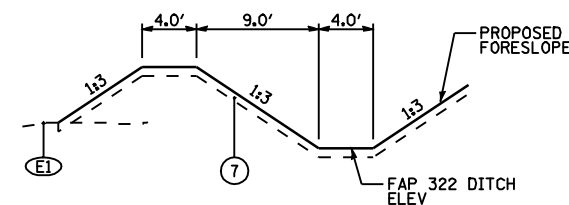
SIDE ROADS

STRUCTURAL DESIGN TRAFFIC: Year: 2015
 PV = 2280 SU = 72 MU = 48
 ROAD/STREET CLASSIFICATION: Class: 2
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 32% S = 45% M = 45%
 TRAFFIC FACTOR: Actual TF = 0.50 AC Type = 20
 Minimum TF = 0.24
 SUBGRADE SUPPORT RATING:
 SSR = POOR



FAP 322 MEDIAN SHOULDER REPLACEMENT TYPICAL SECTION
 (REQUIRED FOR TEMPORARY CROSSOVER CONSTRUCTION / REMOVAL)

STA 783+60.00 TO STA 786+95.00 NB LANES
 STA 788+17.00 TO STA 793+12.00 SB LANES



EARTH BERM DETAIL

FAP 322 - STA 663+00 TO STA 673+30 LT

LEGEND

- | | | |
|--|--|--|
| (E1) EXISTING GROUND | (1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4" [SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION] | (9) AGGREGATE BASE COURSE, TYPE A, 10" |
| (E2) EXISTING HMA SURFACE, 1 1/2" | (2) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/4" [SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION] | (10) BITUMINOUS SURFACE TREATMENT CLASS A-3 |
| (E3) EXISTING HMA SURFACE, VARIES 3" - 6" | (3) HOT-MIX ASPHALT SHOULDERS, 8" (WITH RUMBLE STRIPS, STD 642001) | (11) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" |
| (E4) EXISTING 9"-6"-9" PCC CONCRETE PAVEMENT | (4) AGGREGATE SHOULDERS, TYPE B | (12) HOT-MIX ASPHALT BASE COURSE WIDENING, 12" (WHEN WIDTH < 6') |
| (E5) EXISTING PCC BASE COURSE WIDENING, 9" | (5) SUB-BASE GRANULAR MATERIAL, TYPE C | (13) HOT-MIX ASPHALT BASE COURSE, 11 3/4" (WHEN WIDTH >= 6') |
| (E6) EXISTING HMA SHOULDERS, 8" WITH OVERLAY | (6) PROCESSING LIME MODIFIED SOILS, 12" | (14) PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED), STD 420101 |
| (E7) EXISTING AGGREGATE SHOULDERS, VARIABLE DEPTH | (7) TOPSOIL FURNISH AND PLACE, 4" | (15) HOT-MIX ASPHALT SURFACE REMOVAL, 2" |
| (E8) EXISTING HMA SHOULDERS, 8" | (8) PIPE UNDERDRAINS, 4" (STD 601001) | (16) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24, STD 606001 |
| (E9) EXISTING PIPE UNDERDRAINS | | (17) AGGREGATE SURFACE COURSE, TYPE A, 6" |
| (E10) EXISTING HMA PAVEMENT, 13 3/4" | | (18) HOT-MIX ASPHALT BASE COURSE WIDENING, 9" (WHEN WIDTH < 6') |
| (R1) REMOVE EXISTING HMA SHOULDERS | | (19) HOT-MIX ASPHALT BASE COURSE, 8 1/2" (WHEN WIDTH >= 6') |
| (R2) REMOVE EXISTING HMA PAVEMENT, 13 3/4" AND HMA SHOULDERS, 8" | | (20) AGGREGATE BASE COURSE, TYPE A, 8" |
| | | (21) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" |

- (A) SHOULDER SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 4% THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 4% THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SHALL BE 8%.
- (B) SHOULDER SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 4%.
- (C) TURN LANE SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 2% THE TURN LANE SHALL BE SLOPED AT 2%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 2% THE TURN LANE SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND TURN LANE SHALL BE 4%.
- (D) TURN LANE SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 2%.

NOT TO SCALE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS
 SHEET 3 OF 9
 FAP 322 (US 51)
 SECTION 11-12
 CHRISTIAN COUNTY

SCALE: NONE
 DATE: 8/22/06

DRAWN BY: SEB
 CHECKED BY: TLD

8/22/06 11:51:51 AM