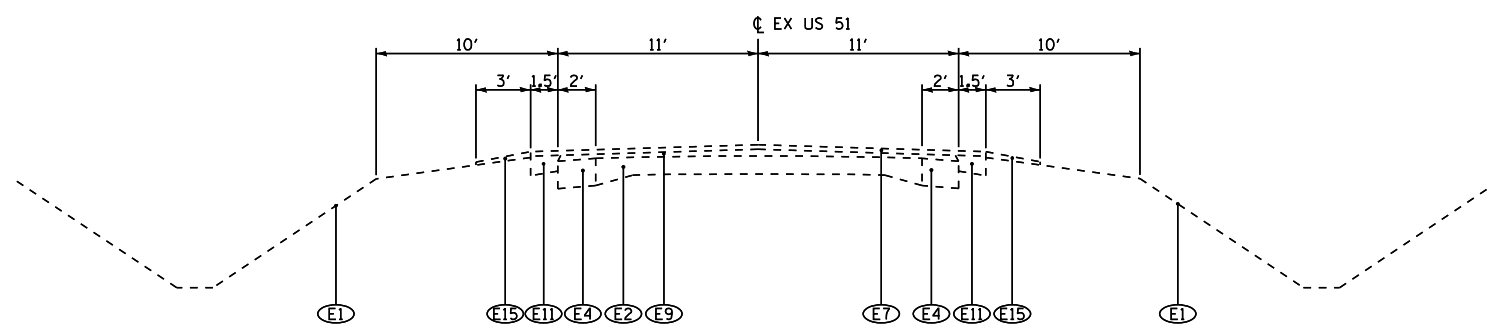


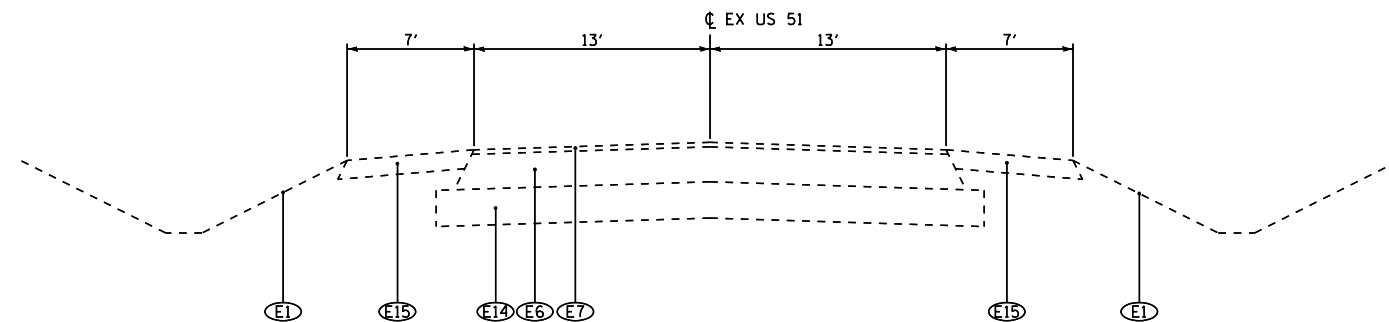
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	47
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



US 51
EXISTING TYPICAL SECTION

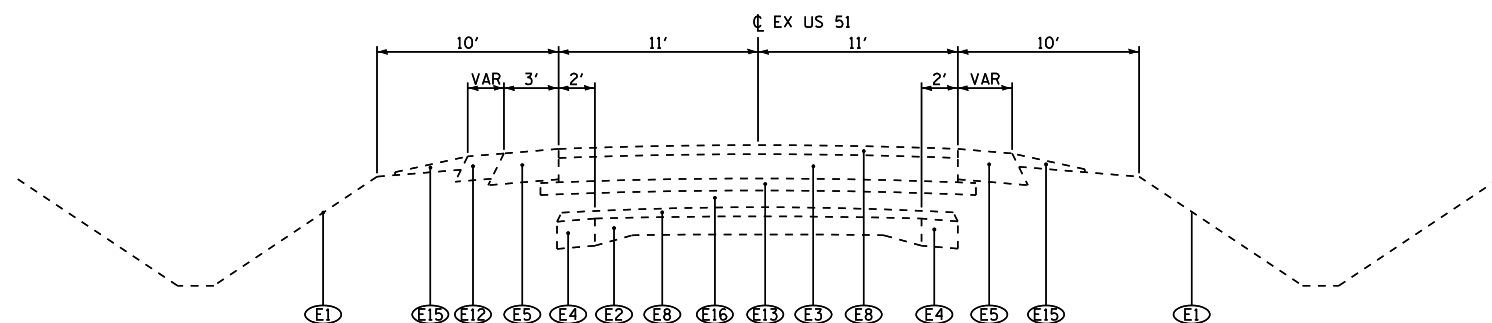
STA 145+53 TO STA 1219+67
STA 1239+56 TO STA 337+93
STA 346+82 TO STA 565+14

STA EQUATION: STA 216+67.42 BK = STA 1216+55.00 AH
STA EQUATION: STA 1240+95.38 BK = STA 241+34.25 AH



US 51
EXISTING TYPICAL SECTION

STA 1219+67 TO STA 1239+56



US 51
EXISTING TYPICAL SECTION

STA 337+93 TO STA 340+00
STA 345+00 TO STA 346+82

LEGEND

- (E1) EXISTING GROUND
- (E2) EXISTING 9"-6"-9" PCC CONCRETE PAVEMENT
- (E3) EXISTING PCC BASE COURSE, 8"
- (E4) EXISTING PCC BASE COURSE WIDENING, 9"
- (E5) EXISTING HOT-MIX ASPHALT BASE COURSE, 10"
- (E6) EXISTING HOT-MIX ASPHALT BINDER COURSE, 14 1/2"
- (E7) EXISTING HOT-MIX ASPHALT SURFACING, 1 1/2"
- (E8) EXISTING HOT-MIX ASPHALT SURFACING, 3"
- (E9) EXISTING HOT-MIX ASPHALT SURFACING, 3" - 6"
- (E10) EXISTING HOT-MIX ASPHALT SURFACING, VAR
- (E11) EXISTING HOT-MIX ASPHALT SHOULDERS, 6"
- (E12) EXISTING HOT-MIX ASPHALT SHOULDERS, 8"
- (E13) EXISTING SUB-BASE GRANULAR MATERIAL, 4"
- (E14) EXISTING LIME MODIFIED SOIL, 12"
- (E15) EXISTING AGGREGATE SHOULDER, VAR
- (E16) EXISTING EARTH FILL
- (E17) EXISTING PIPE UNDERDRAIN
- (E18) EXISTING FD HOT-MIX ASPHALT PAVEMENT, 13 3/4"
- (R1) REMOVE EXISTING HMA SHOULDERS
- (R2) REMOVE EXISTING HMA PAVEMENT, 13 3/4" AND HMA SHOULDERS, 8"
- (R3) REMOVE EXISTING PAVEMENT, SHOULDERS, AND WIDENING
- (1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4"
[SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
- (2) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/4"
[SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
- (3a) HOT-MIX ASPHALT SHOULDERS 8"
- (3) HOT-MIX ASPHALT SHOULDERS 8" (WITH RUMBLE STRIPS, STD 642001)
- (4) AGGREGATE SHOULDERS, TYPE B
- (5) SUB-BASE GRANULAR MATERIAL, TYPE C
- (6) PROCESSING MODIFIED SOIL 12" (LIME)
- (7) TOPSOIL, 4"
- (8) PIPE UNDERDRAINS, 4" (STD 601001)
- (9) AGGREGATE BASE COURSE, TYPE A, 10"
- (10) BITUMINOUS SURFACE TREATMENT CLASS A-3
- (11)
- (12)
- (13)
- (14)
- (15)
- (16)
- (17)
- (19) LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH (2 1/4" MAX)
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIABLE DEPTH (2 1/4" MIN)
- (20) SUBBASE GRANULAR MATERIAL, TYPE A 12"
- (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%.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
SHEET 1 OF 12
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

SCALE: NONE DRAWN BY SEB
DATE 7/31/12 CHECKED BY

10/5/2012

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