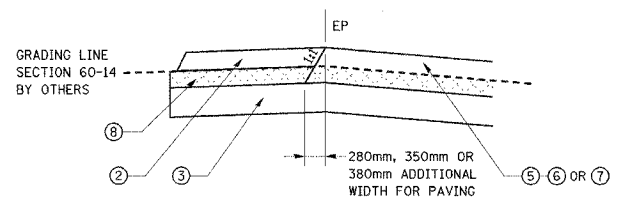
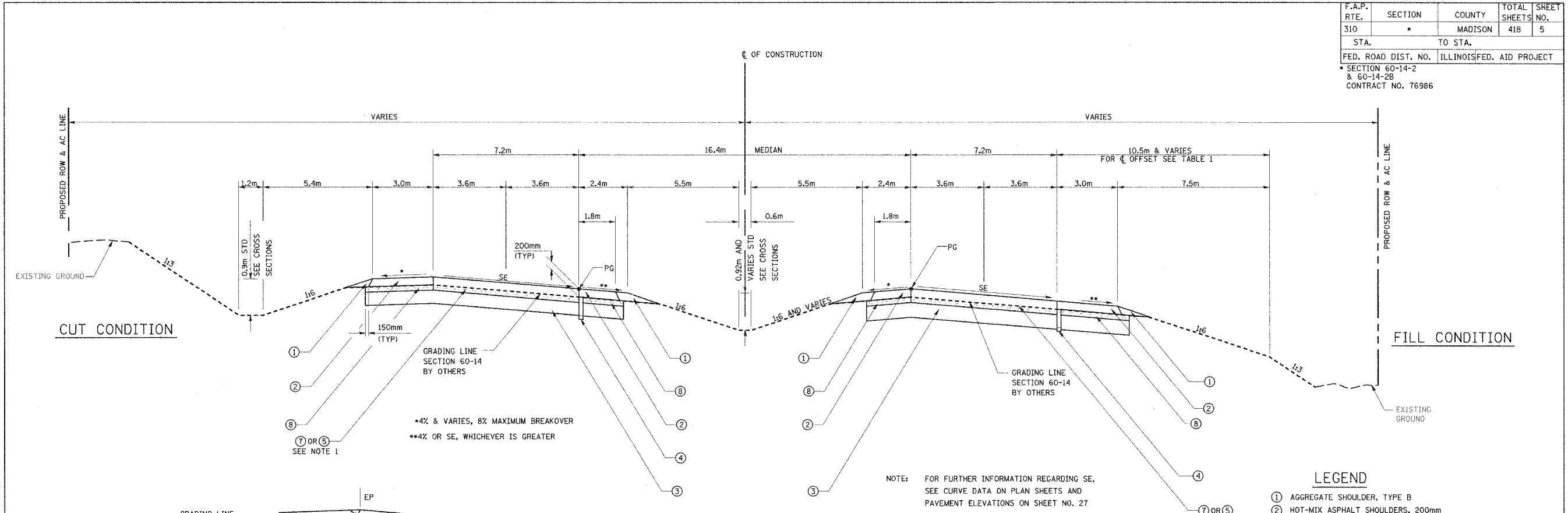


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
SECTION 60-14-2 & 60-14-2B		CONTRACT NO. 76986		



TYPICAL DETAIL FOR EARTHWORK AT EDGE OF PAVEMENT

TABLE 1

STATION	DISTANCE FROM ϕ (m)	STATION	DISTANCE FROM ϕ (m)
CURVE P_ALN1MNL-2 - RIGHT SIDE			
STATION	OFFSET	STATION	OFFSET
30+908.196 PC	25.900	32+495.931 PT	25.900
30+920.000	26.362	32+480.000	26.524
30+940.000	27.146	32+460.000	27.307
30+960.000	27.929	32+440.000	28.090
30+974.573	28.500	32+429.533	28.500
CURVE P_ALN1MNL-3 - LEFT SIDE			
STATION	OFFSET	STATION	OFFSET
31+313.812 PT	28.500	31+663.007 PC	28.500
31+320.000	28.389	31+660.000	28.446
31+340.000	28.030	31+640.000	28.087
31+360.000	27.672	31+620.000	27.729
31+380.000	27.313	31+600.000	27.370
31+400.000	26.955	31+580.000	27.012
31+420.000	26.596	31+560.000	26.653
31+440.000	26.237	31+540.000	26.294
31+458.812	25.900	31+520.000	25.936
		31+518.007	25.900
CURVE P_ALN1MNL-4 - RIGHT SIDE			
STATION	OFFSET	STATION	OFFSET
32+709.312 PC	25.900	33+822.421 PC	25.900
32+720.000	26.319	33+840.000	26.934
32+740.000	27.102	33+860.000	28.111
32+760.000	27.885	33+880.000	29.287
32+775.709	28.500	33+893.821	30.100
CURVE P_ALN1MNL-5 - RIGHT SIDE			
STATION	OFFSET	STATION	OFFSET
33+143.035 PT	28.500	34+146.898 PT	30.100
33+160.000	28.196	34+160.000	29.720
33+180.000	27.837	34+180.000	29.141
33+200.000	27.479	34+200.000	28.562
33+220.000	27.120	34+220.000	27.983
33+240.000	26.761	34+240.000	27.403
33+260.000	26.403	34+260.000	26.824
33+280.000	26.044	34+280.000	26.245
33+288.035	25.900	34+291.898	25.900

FAP 310
PROPOSED TYPICAL SUPERELEVATION SECTION

CURVE P_ALN1MNL-2 (SE=5.2%)
STA 30+760.000 TO STA 31+370.862

CURVE P_ALN1MNL-3 (SE=5.2%)
STA 31+605.957 TO STA 31+979.000
STA 32+105.000 TO STA 32+574.431

CURVE P_ALN1MNL-4 (SE=5.2%)
STA 32+652.262 TO STA 33+000.000
STA 33+090.000 TO STA 33+200.085

CURVE P_ALN1MNL-5 (SE=5.9%)
STA 33+965.000 TO STA 34+203.948

TABLE 2

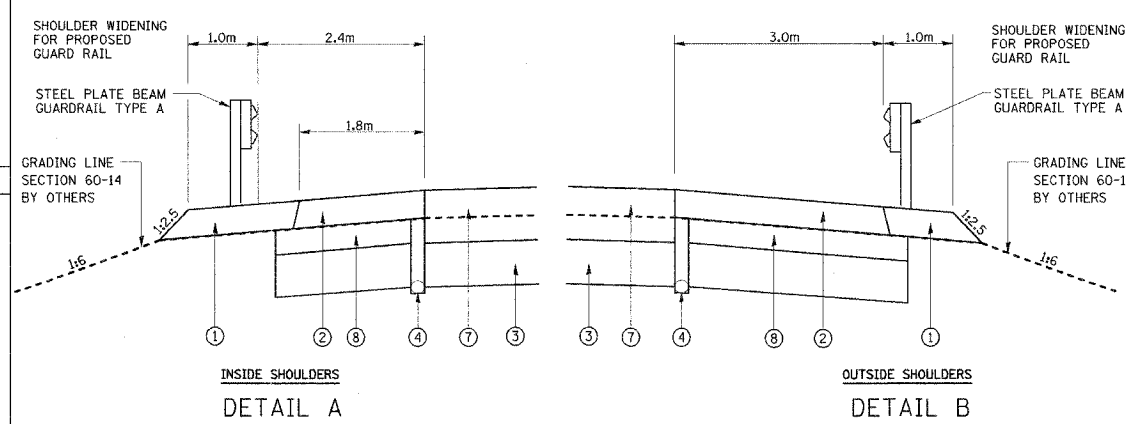
PROPOSED THICKNESS HOT-MIX ASPHALT PAVEMENT (FULL DEPTH)
STA 30+760.000 TO STA 32+895.000 - 380mm
STA 32+895.000 TO STA 33+700.000 - 280mm
STA 33+700.000 TO STA 35+150.000 - 380mm
PROPOSED THICKNESS SUB-BASE GRANULAR MATERIAL
STA 30+760.000 TO STA 32+895.000 - 180mm
STA 32+895.000 TO STA 33+700.000 - 80mm
STA 33+700.000 TO STA 35+150.000 - 180mm

LEGEND

- ① AGGREGATE SHOULDER, TYPE B
- ② HOT-MIX ASPHALT SHOULDERS, 200mm
- ③ PROCESSING MODIFIED SOILS 300mm
- ④ PIPE UNDERDRAIN PERFORATED CORRUGATED POLYETHYLENE TUBING, 100mm SPECIAL
- ⑤ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 280mm
- ⑥ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 350mm
- ⑦ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 380mm
- ⑧ SUB-BASE GRANULAR MATERIAL, TYPE C

STRUCTURAL DESIGN INFORMATION
FAP 310

ROAD CLASSIFICATION: CLASS 1
STRUCTURAL DESIGN TRAFFIC: PV=17,940 SU=585 MU=975
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE
P=32% S=45% M=45%
MINIMUM SUBGRADE SUPPORT RATING: POOR
FLEXIBLE PAVEMENT DESIGN: MINIMUM $T_F = 7.11$
SELECTED DESIGN AC TYPE 20
AC THICKNESS SEE TABLE 2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, VARIES
HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 50mm



INSIDE SHOULDERS
DETAIL A

OUTSIDE SHOULDERS
DETAIL B

NORTHBOUND AND SOUTHBOUND APPROACHES TO WEST FORK WOOD RIVER

EARTHWORK FOR SECTION 60-14-2

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
FAP ROUTE 310
FAP ROUTE 310 SECTION 60-14-2, 60-14-2B
MADISON COUNTY
DRAWN BY BANDY
CHECKED BY STEUART
DATE