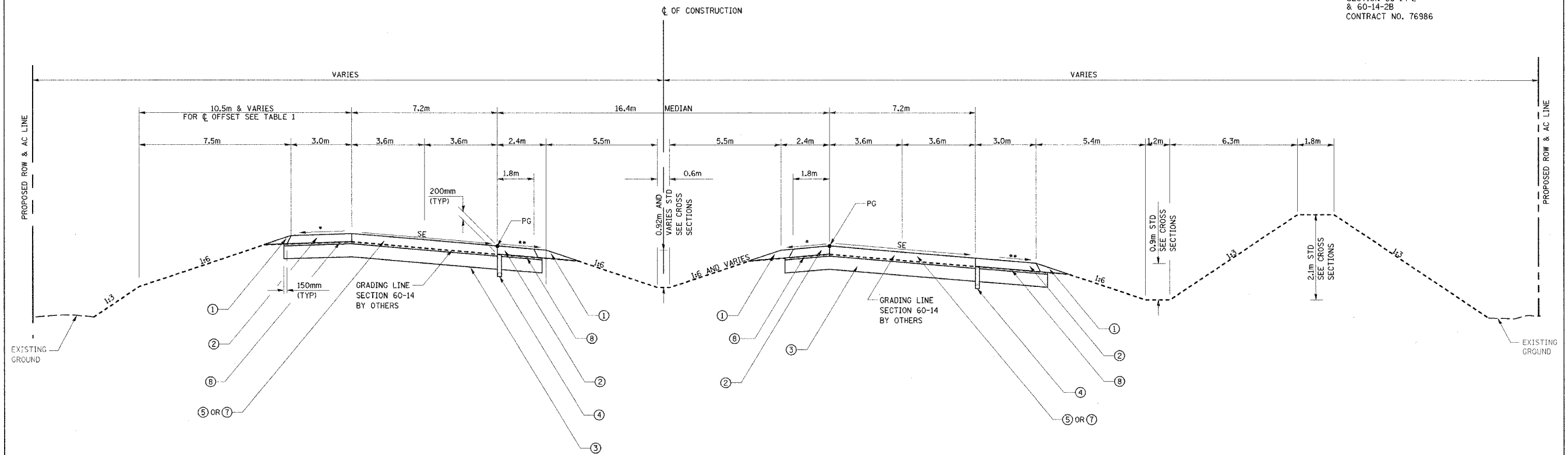


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3103	*	MADISON	418	8
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
* SECTION 60-14-2 & 60-14-2B CONTRACT NO. 76986				



\*4% & VARIES, 8% MAXIMUM BREAKOVER  
 \*\*4% OR SE, WHICHEVER IS GREATER

FAP 310  
 PROPOSED TYPICAL SUPERELEVATION SECTION

CURVE P\_ALN1MNL-4  
 STA 33+000.000 TO STA 33+090.000

CURVE P\_ALN1MNL-5  
 STA 33+765.371 TO STA 33+965.000

NOTE: FOR FURTHER INFORMATION REGARDING SE, SEE CURVE DATA ON PLAN SHEETS AND PAVEMENT ELEVATIONS ON SHEET NO. 27

EARTHWORK FOR SECTION 60-14-2

**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

**FULL DEPTH PAVEMENT**

50mm SMA	50mm SMA	50mm SMA
TOP 57mm BINDER	TOP 57mm BINDER	TOP 57mm BINDER
LOWER 173mm BINDER	LOWER 243mm BINDER	LOWER 273mm BINDER
280mm FULL DEPTH PAVEMENT DETAIL	350mm FULL DEPTH PAVEMENT DETAIL	380mm FULL DEPTH PAVEMENT DETAIL

- 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

**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

**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