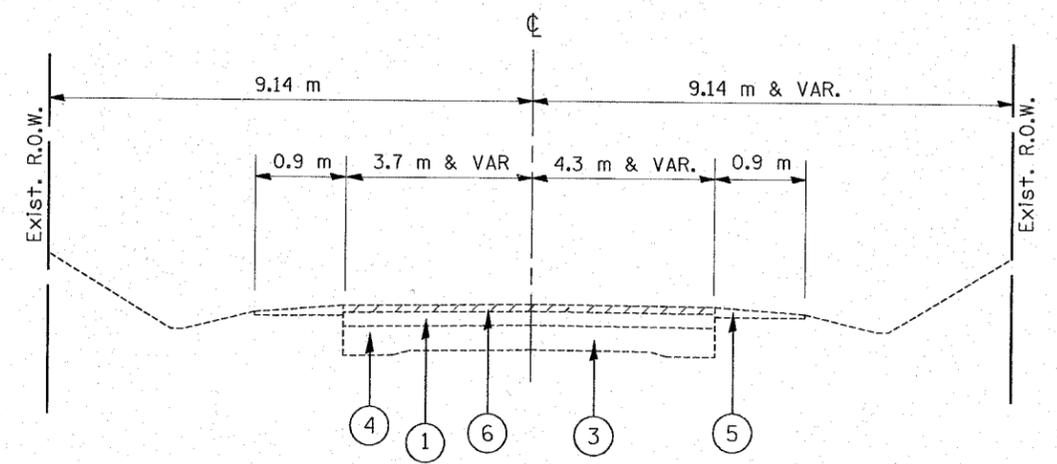


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	24N-1	McHENRY	82	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LEGEND

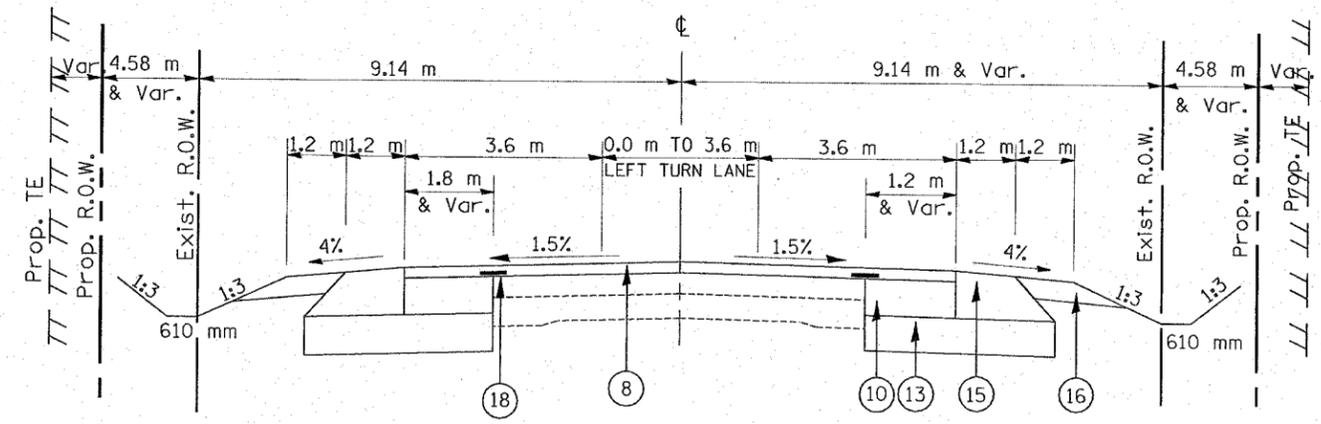
- ① EXISTING HMA SURFACE 146 MM - 197 MM (5.75" - 7.75")
- ② EXISTING HMA SURFACE 108 MM - 171 MM (4.25" - 6.75")
- ③ EXISTING P.C.C. PAVEMENT 159 MM (6.25")
- ④ EXISTING BASE COURSE WIDENING 229 MM (9")
- ⑤ EXISTING AGGREGATE SHOULDERS
- ⑥ PROPOSED HMA SURFACE REMOVAL, 20 MM (3/4")
- ⑦ PROPOSED PAVEMENT REMOVAL
- ⑧ PROPOSED HMA SURFACE COURSE, MIX "F", N90, 50 MM (2")
- ⑨ PROPOSED HMA BASE COURSE WIDENING, 165 MM (6 1/2")
- ⑩ PROPOSED HMA BASE COURSE WIDENING, 270 MM (10 1/2")
- ⑪ PROPOSED HMA BINDER COURSE, IL-19, N50, 165 MM (6 1/2")
- ⑫ PROPOSED HMA BINDER COURSE, IL-19, N50, 270 MM (10 1/2")
- ⑬ PROPOSED AGGREGATE SUBGRADE, 300 MM (12")
- ⑭ PROPOSED HMA SHOULDERS, 220 MM (8 1/2")
- ⑮ PROPOSED HMA SHOULDERS, 320 MM (12 1/2")
- ⑯ PROPOSED AGGREGATE SHOULDERS, TYPE B, 200 MM (8")
- ⑰ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE M-10.30 (M-4.12)
- ⑱ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT

ILLINOIS ROUTE 23



EXISTING TYPICAL SECTION
Sta. 1+665 to Sta 1+975.5

ILLINOIS ROUTE 23



PROPOSED TYPICAL SECTION
Sta. 1+665 to Sta 1+975.5

SUBGRADE TREATMENT PLAN NOTES:

THE AGGREGATE SUBGRADE, 300 MM (12 IN.) WILL BE SUFFICIENT FOR A STABLE SUBGRADE FOR THE PROJECT RECONSTRUCTION AND WIDENING AREAS WITH THE FOLLOWING EXCEPTION WHERE WE ANTICIPATE THAT AN UNDERCUT, REPLACED WITH POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES)

LOCATION	ESTIMATED THICKNESS OF PGES	TREATMENT WIDTH	CONCERN
IL RTE 23 STA 2+195 TO STA 2+300	300 MM (12 IN)	ENTIRE PAVEMENT WIDTH	SANDY/CLAY LOAM WITH W-23 (RB-3)

THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES PLACEMENT SHOULD BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY A QUALIFIED SOILS INSPECTOR.

ALL POTENTIALLY UNSTABLE SOIL SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS AND THE UNDERCUT GUIDLINES IN THE IDOT SUBGRADE STABILITY MANUAL (SSM)

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		IL-23 AT RIVER RD. TYPICAL SECTIONS SCALE: NONE DATE 2/13/2008 DRAWN BY CHECKED BY