

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	24N-1	McHENRY	82	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

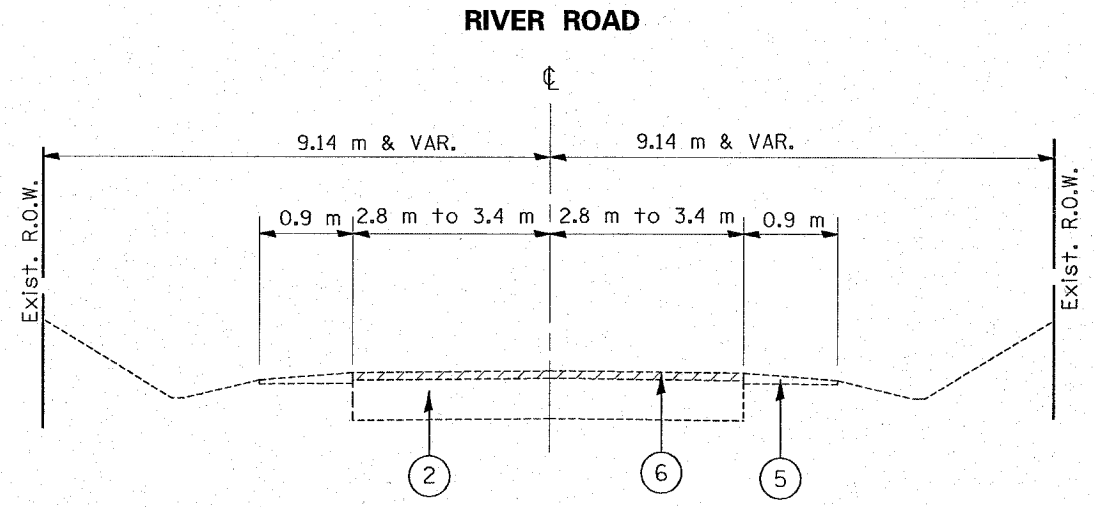
LEGEND

- 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

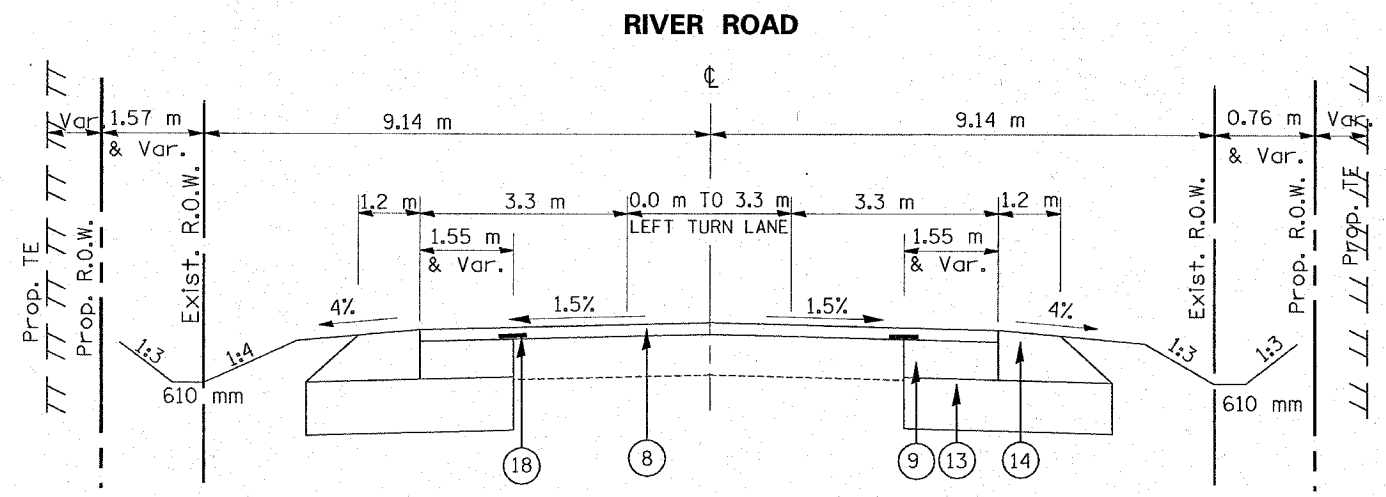
HMA MIXTURE REQUIREMENTS

MIXTURE USE	AC TYPE	AIR VOIDS (%)
PAVEMENT WIDENING & RESURFACING		
HMA SURFACE COURSE, MIX "F", N90, 50 MM (IL-9.5 MM)	SBS/SBR PG 70-22	4% @ 90 GYR.
HMA BASE COURSE WIDENING, 165 MM & 270 MM	PG 64-22 *	4% @ 50 GYR.
PAVEMENT RECONSTRUCTION		
HMA SURFACE COURSE, MIX "F", N90, 50 MM (IL-9.5 MM)	SBS/SBR PG 70-22	4% @ 90 GYR.
HMA BINDER COURSE, IL-19, N50, 165 MM & 270 MM	PG 64-22 *	4% @ 50 GYR.
TEMPORARY PAVEMENT		
HMA SURFACE COURSE, MIX "F", N90, 50 MM (IL-9.5 MM)	SBS/SBR PG 70-22	4% @ 90 GYR.
TEMPORARY PAVEMENT (HMA BINDER IL-19), 200 MM	PG 64-22 *	4% @ 50 GYR.
DRIVEWAYS		
HMA SURFACE COURSE, MIX "C", N50, 50 MM (IL-9.5 MM) COMMERCIAL	PG 64-22	4% @ 50 GYR.
HMA BASE COURSE, 150 & 200 MM (HMA BINDER IL-19 MM) RESIDENTIAL	PG 64-22 *	4% @ 50 GYR.
SHOULDER		
HMA SHOULDER, 220 MM & 320 MM	PG 64-22 *	2% @ 30 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURES IS 112 LBS/SY.IN
 * WHEN RAP EXCEEDS 20% THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22



EXISTING TYPICAL SECTION
 Sta. 4+635 to Sta 4+775
 Sta. 4+925 to Sta 5+100



PROPOSED TYPICAL SECTION
 Sta. 4+635 to Sta 4+775
 Sta. 4+925 to Sta 5+100

REVISIONS	
NAME	DATE

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