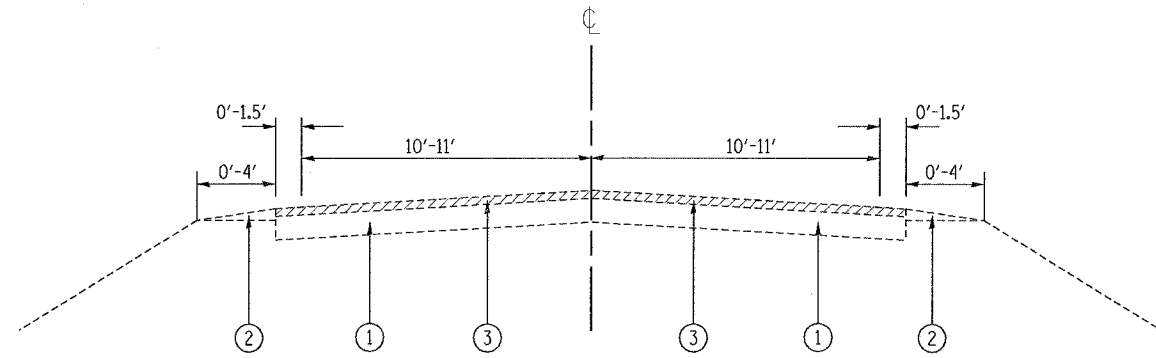


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	2004-117 RS	MCHENRY	26	4
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS HIGHWAY PROJECT		

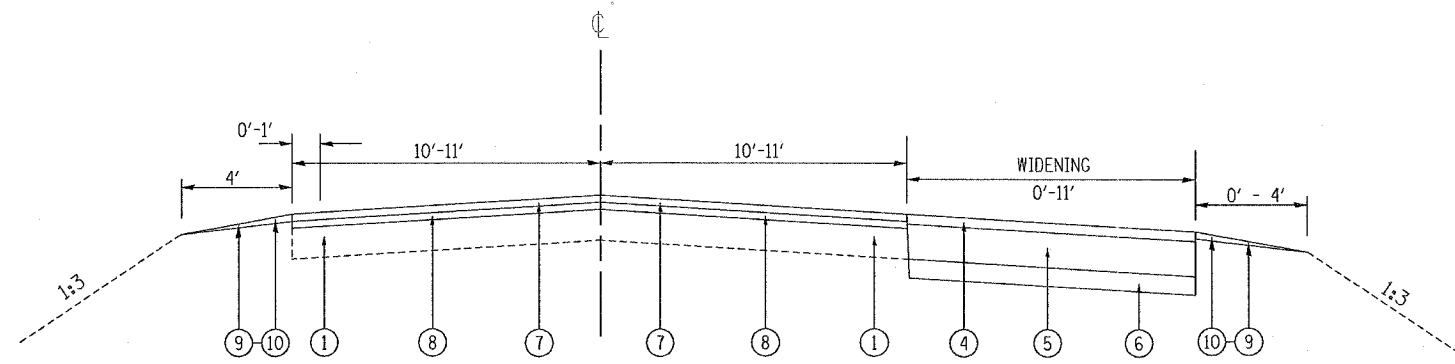


EXISTING TYPICAL CROSS SECTION

MILLSTREAM RD.: STA. 00+00 TO STA. 21+24
 STA. 22+80 TO STA. 28+96
 STA. 30+44 TO STA. 65+91

GARDEN VALLEY RD.: STA. 100+00 TO STA. 124+65
 STA. 128+12 TO STA. 153+28

NORTH UNION RD.: STA. 200+00 TO STA. 242+55
 STA. 243+40 TO STA. 265+00



PROPOSED TYPICAL CROSS SECTION

MILLSTREAM RD.: STA. 00+00 TO STA. 21+24
 STA. 22+80 TO STA. 28+96
 STA. 30+44 TO STA. 65+91

GARDEN VALLEY RD.: STA. 100+00 TO STA. 124+65
 STA. 128+12 TO STA. 153+28

NORTH UNION RD.: STA. 200+00 TO STA. 242+55
 STA. 243+40 TO STA. 265+00

LEGEND

- ① EXISTING HMA PAVEMENT, 6"±
- ② EXISTING AGGREGATE SHOULDER
- ③ PROPOSED HMA SURFACE REMOVAL, 2 1/4"
- ④ PROPOSED WIDENING HMA SURFACE COURSE, MIX "D", N70, 2"
- ⑤ PROPOSED HMA BASE COURSE WIDENING, 7"
- ⑥ PROPOSED SUB-BASE GRANULAR MATERIAL TYPE B, 4"
- ⑦ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑧ PROPOSED HMA BINDER COURSE IL-19.0, N70, 2 1/4"
- ⑨ PROPOSED AGGREGATE SHOULDERS, TYPE B
- ⑩ PROPOSED GRADING & SHAPING SHOULDERS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	MIXTURE TYPE	AC/PG	AIR VOIDS (%)
ROADWAY	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"	PG 64-22*	4% @ 70 GYR
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, IL 9.5 MM, 1 1/2"	PG 64-22	4% @ 70 GYR
PATCHING	CLASS D PATCHES, IL-19, 8"	PG 64-22*	4% @ 70 GYR
	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	PG 64-22*	4% @ 70 GYR
WIDENING	HOT-MIX ASPHALT BASE COURSE WIDENING, 7"	PG 64-22*	4% @ 70 GYR
DRIVEWAY APRON	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, IL 9.5 MM, 1" - 2 1/2"	PG 64-22	4% @ 50 GYR

UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

*WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DETOUR FOR BRIDGE OVER
 THE SOUTH BRANCH KISHAWAUKEE RIVER ON IL-176

EXISTING AND PROPOSED
 TYPICAL SECTIONS

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE: 8/23/2007

Rev. 9-4-07