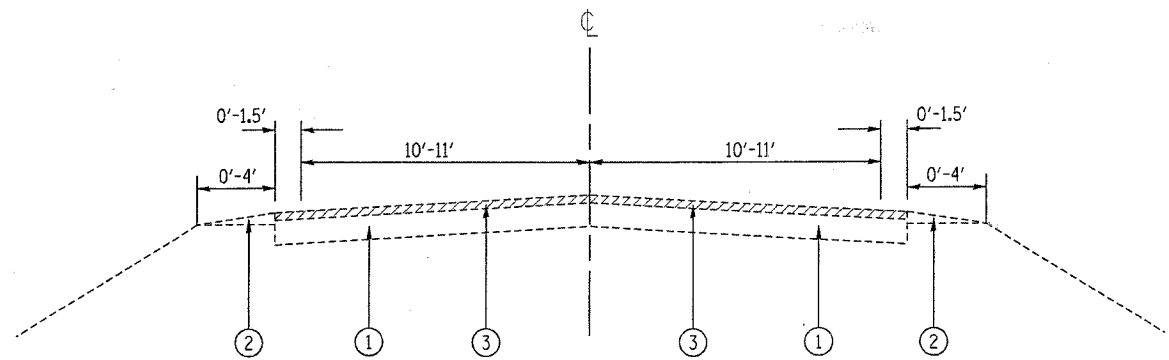


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	2004-117 RS	MCHENRY	26	4
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS HIGHWAY PROJECT		

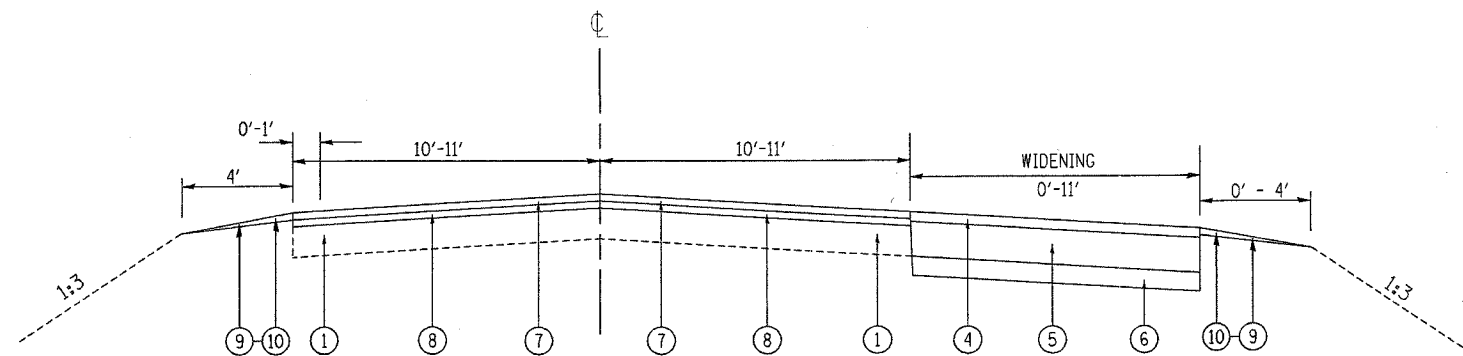


EXISTING TYPICAL CROSS SECTION

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

NOTE:

THESE ROUTES ARE CLASSIFIED AS CLASS II TRUCK ROUTE. THEREFORE, TO ACCOMMODATE THE TURNS OF TRUCKS, THE PROPOSED WIDENINGS ARE AT TURN RADII ONLY.

LEGEND

- ① EXISTING HMA PAVEMENT, 6"±
- ② EXISTING AGGREGATE SHOULDER
- ③ PROPOSED HMA SURFACE REMOVAL, 1/2"
- ④ PROPOSED WIDENING HMA SURFACE COURSE, MIX "D", N50, 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 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1 1/2"
- ⑨ PROPOSED AGGREGATE SHOULDERS, TYPE B
- ⑩ PROPOSED GRADING & SHAPING SHOULDERS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	MIXTURE TYPE	AC/PG	AIR VOIDS (%)
ROADWAY	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% @ 50 GYR
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, IL 9.5 MM	PG 64-22	4% @ 50 GYR
PATCHING	CLASS D PATCHES, IL-19, 8"	PG 64-22/58-22*	4% @ 70 GYR
	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	PG 64-22/58-22*	4% @ 70 GYR
WIDENING	HOT-MIX ASPHALT BASE COURSE WIDENING, 7"	PG 64-22/58-22*	4% @ 50 GYR
SHOULDER	HOT-MIX ASPHALT SHOULDERS, 8"	PG 64-22/58-22*	4% @ 70 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		ILLINOIS DEPARTMENT OF TRANSPORTATION DETOUR FOR BRIDGE OVER THE SOUTH BRANCH KISHWAUKEE RIVER ON IL-176 EXISTING AND PROPOSED TYPICAL SECTIONS
NAME	DATE	
		SCALE: VERT. HORIZ. DATE 3/29/2007