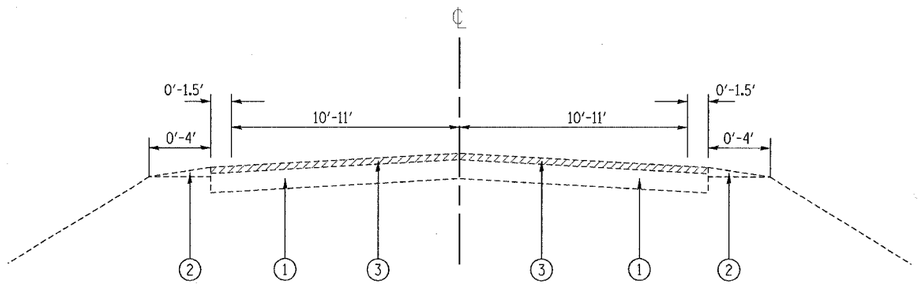
CONTRACT NO. 62873

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		

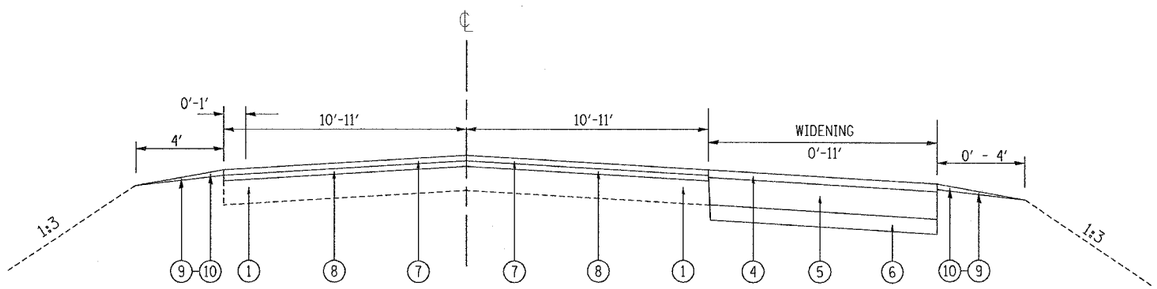


EXISTING TYPICAL CROSS SECTION

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, 2¼"
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, 1½"
8. PROPOSED HMA BINDER COURSE IL-19.0, N70, 2¼"
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, 2¼"	PG 64-22*	4% @ 70 GYR
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, IL 9.5 MM, 1½"	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% @ 50 GYR
SHOULDER	HOT-MIX ASPHALT SHOULDERS, 8"	PG 64-22*	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

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.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETOUR FOR BRIDGE OVER THE SOUTH BRANCH KISHWAUKEE RIVER ON IL-176

EXISTING AND PROPOSED TYPICAL SECTIONS

SCALE: VERT. HORIZ.

DATE 7/19/2007

DRAWN BY

CHECKED BY

7/19/2007
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SMITHKL