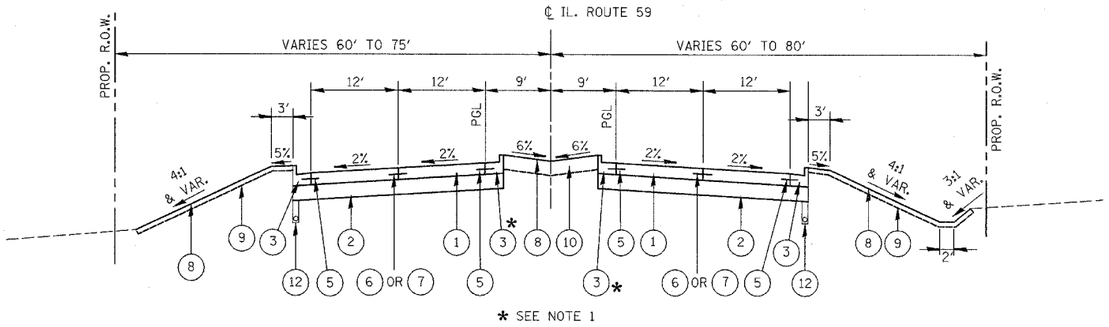
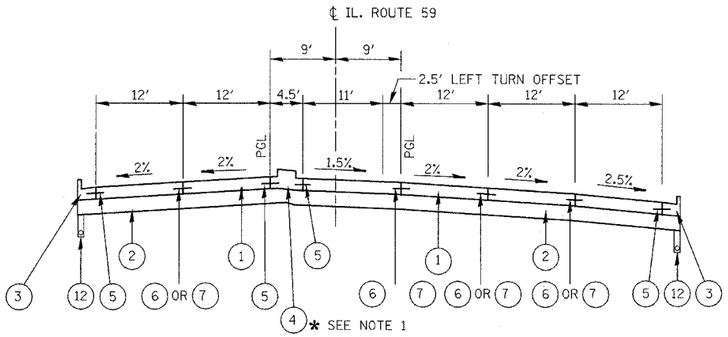
CONTRACT NO. 62417

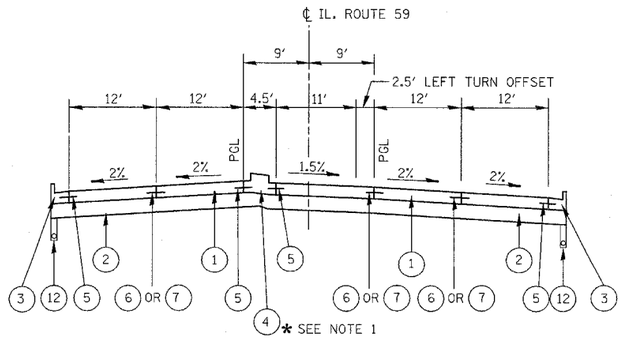
FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(113 & 114) R-5	WILL	525	23
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FAP 338 (IL RTE. 59)		



STA. 3193+25 TO STA. 3206+26
AND
STA. 3213+60 TO STA. 3299+13



TYPICAL LEFT AND RIGHT TURN LANE



TYPICAL LEFT TURN LANE

LEGEND PROPOSED

1. PORTLAND CEMENT CONCRETE PAVEMENT, 9¾ INCH (JOINTED)
2. AGGREGATE SUBGRADE, 12 INCH
3. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
4. CONCRETE MEDIAN TYPE SB-6 (SPECIAL) (SEE NOTE 4)
5. NO. 6 x 24" TIE BARS (EPOXY COATED), GROUTED IN PLACE AT 24" O.C. INCLUDED IN COST OF COMBINATION CONCRETE CURB & GUTTER, STANDARD 606001.
6. LONGITUDINAL CONSTRUCTION JOINT GROUTED-IN-PLACE TIE BARS (EPOXY COATED) NO. 8 x 24" LONG DEFORMED TIE BARS AT 24" O.C. (STANDARD 420001) (INCLUDED IN THE COST OF CONCRETE PAVEMENT)
7. LONGITUDINAL SAWED JOINT - NO. 6 x 30" LONG DEFORMED TIE BARS (EPOXY COATED) AT 30" O.C. (STANDARD 420001) (INLCUDED IN THE COST OF CONCRETE PAVEMENT)
8. SODDING, SALT TOLERANT OR SEEDING (AS NOTED ON LANDSCAPE PLANS)
9. TOPSOIL FURNISH AND PLACE, 4"
10. TOPSOIL FURNISH AND PLACE, 12"
11. PORTLAND CEMENT CONCRETE SIDEWALK, 5"
12. PIPE UNDERDRAINS, 4", FABRIC LINED TRENCH (SEE NOTE 4)
13. HOT-MIX ASPHALT SHOULDERS, 6" (SEE NOTE 2)
14. CONCRETE MEDIAN TYPE SB-6.24 (SEE NOTE 4)
15. TOPSOIL FURNISH AND PLACE, 8"

NOTES:

1. PROPOSED CURB AND GUTTER AND CONCRETE MEDIAN ALONG THE CENTER MEDIAN SHALL BE CONSTRUCTED WITH A REVERSE PITCHED GUTTER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24, CONCRETE MEDIAN TYPE SB-6.24, AND CONCRETE MEDIAN TYPE SB-6 (SPECIAL).
2. HOT-MIX ASPHALT SHOULDERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 STANDARD BD-34.
3. FOR PROPOSED TYPICAL SECTIONS OF SIDE ROADS, SEE INTERSECTION JOINT DETAILS, ELEVATIONS, AND TYPICAL SECTION SHEETS.
4. SEE TYPICAL SECTION DETAILS SHEET.

STRUCTURAL DESIGN TRAFFIC YEAR 2024
PV = 26,989 SU = 1,193 MU = 1,640
ROAD STREET CLASSIFICATION: Class 1
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 32 S = 45 MU = 45
TRAFFIC FACTOR: Actual TF 11.85 AC Type = _____
Minimum TF 6.03
AC GRADE: Binder = _____ Surface = _____
SUBGRADE SUPPORT RATING:
SSR = _____ Sta. _____ to Sta. _____

HOT-MIX ASPHALT (HMA) MIX REQUIREMENTS		
DESCRIPTION	AC TYPE	% AIR VOIDS
CLASS D PATCHES, 6":		
HMA BINDER COURSE, IL-19; 6" (2 LIFTS)	PG 64-22 *	4% @ 70 Gyr.
CLASS D PATCHES, 9":		
HMA BINDER COURSE, IL-19; 9" (3 LIFTS)	PG 64-22 *	4% @ 70 Gyr.
PAVEMENT PATCHING, 9":		
HMA BINDER COURSE, IL-19, N70 ; 9" (3 LIFTS)	PG 64-22	4% @ 70 Gyr.
TEMPORARY PAVEMENT, 12":		
HMA SURFACE COURSE, MIX "D", N50, IL 9.5; 2"	PG 64-22	4% @ 50 Gyr.
HMA BINDER COURSE, IL-19.0, N50; 10" (3 LIFTS)	PG 64-22 *	4% @ 50 Gyr.
RENWICK ROAD RESURFACING:		
HMA SURFACE COURSE, MIX "D", N70, IL 9.5; 2"	PG 64-22	4% @ 70 Gyr.
IL ROUTE 59 RESURFACING:		
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, IL 9.5; 2"	SBS/SBR PG 70-22	4% @ 90 Gyr.
HOT-MIX ASPHALT SHOULDERS, 6":		
HMA SURFACE COURSE, MIX "D", N50, IL 9.5; 2"	SBS/SBR PG 70-22	4% @ 50 Gyr.
HMA BINDER COURSE, IL-19.0, N50; 4" (1 LIFT)	SBS/SBR PG 70-22	4% @ 50 Gyr.
COMMERCIAL ENTRANCE DRIVEWAY:		
HMA SURFACE COURSE, MIX "C", N50, IL 9.5; 2"	PG 64-22	4% @ 50 Gyr.
HMA BASE COURSE (HMA BINDER IL-19.0); 8" (3 LIFTS)	PG 64-22 *	4% @ 50 Gyr.
PRIVATE ENTRANCE DRIVEWAY:		
HMA SURFACE COURSE, MIX "C", N50, IL 9.5; 2"	PG 64-22	4% @ 50 Gyr.
HMA BASE COURSE (HMA BINDER IL-19.0); 6" (2 LIFTS)	PG 64-22 *	4% @ 50 Gyr.

THE 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.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT NO. 1 SCHAUMBURG
TYPICAL PROPOSED SECTIONS
ILLINOIS ROUTE 59
STA. 3193+25 TO 3299+13

SCALE NONE DRAWN BY SCB
DATE MARCH 18, 2008 CHECKED BY JCM