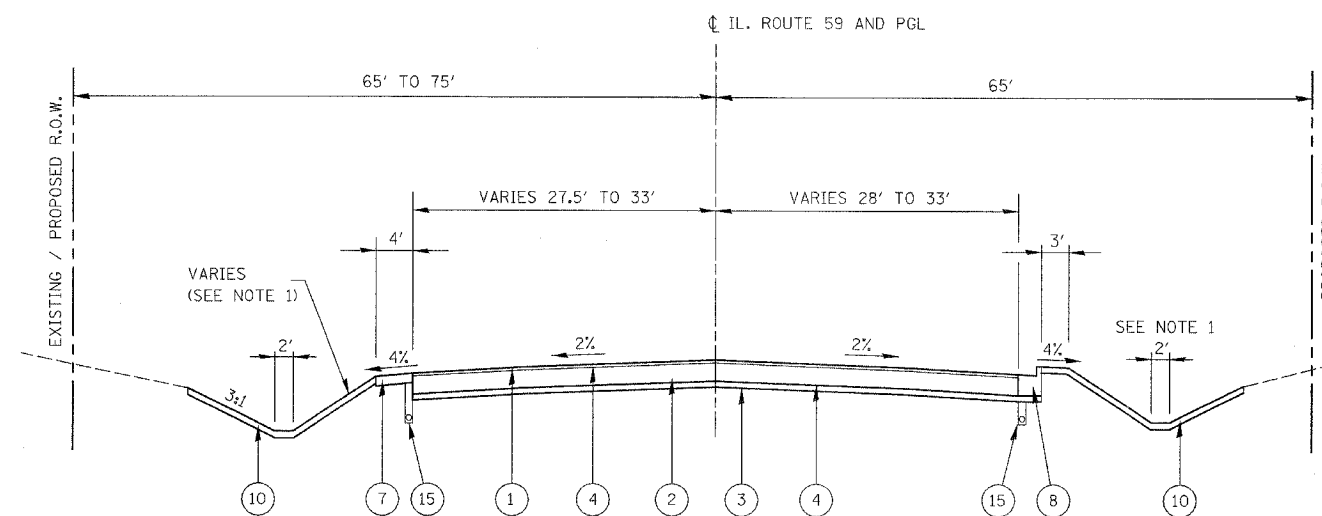
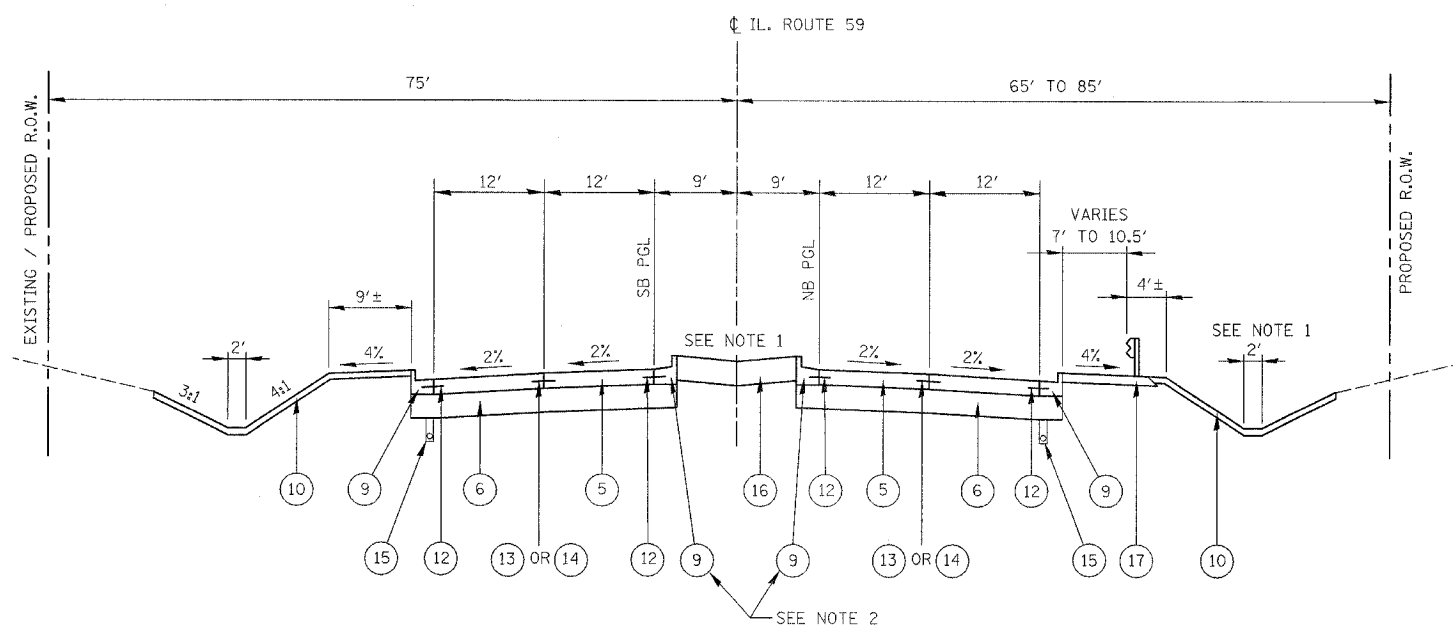


FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	8
STA.		TO STA.		
FED. ROAD DIST. NO.		LINKS	FAP 338 (IL RTE. 59)	



PROPOSED TYPICAL CROSS SECTION  
ILLINOIS ROUTE 59  
STA. 3203+00 TO STA. 3206+26



PROPOSED TYPICAL CROSS SECTION  
ILLINOIS ROUTE 59  
STA. 3206+26 TO STA. 3208+34

**NOTES**

- SEE CROSS SECTIONS FOR GRADING INFORMATION.
- CURB AND GUTTER FOR PROPOSED MEDIAN SHALL BE CONSTRUCTED WITH REVERSE PITCHED GUTTER.
- SEE LANDSCAPING PLANS FOR SEEDING AND SODDING INFORMATION.
- HOT-MIX ASPHALT SHOULDERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 STANDARD BD-34.

**LEGEND PROPOSED**

- POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2 INCH
- POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N90, 11 INCH
- GRANULAR SUB-BASE MATERIAL, TYPE B, 4 INCH
- HOT-MIX ASPHALT MATERIALS (PRIME COAT)
- PORTLAND CEMENT CONCRETE PAVEMENT, 9 3/4 INCH (JOINTED)
- AGGREGATE SUBGRADE, 12 INCH
- AGGREGATE SHOULDER, TYPE B, 6 INCH
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SEE NOTE 2)
- TOPSOIL EXCAVATION AND PLACEMENT, 4 INCH AND SODDING, SALT TOLERANT
- COMPOST FURNISH AND PLACE, 4 INCH AND SEEDING, CLASS 4A
- NO. 6 EPOXY COATED TIE BARS, 24" LONG @ 24" CTRS (INCLUDED IN COST OF COMBINATION CONCRETE CURB AND GUTTER)
- SAWED LONGITUDINAL JOINT, NO. 6 EPOXY COATED TIE BARS, 30" LONG @ 30" CTRS (INCLUDED IN COST OF PCC PAVEMENT)
- LONGITUDINAL CONSTRUCTION JOINT, NO. 8 EPOXY COATED TIE BARS, 24" LONG @ 24" CTRS (INCLUDED IN COST OF PCC PAVEMENT)
- PIPE UNDERDRAIN, FABRIC LINED TRENCH, 4 INCH
- TOPSOIL EXCAVATION AND PLACEMENT, 12 INCH AND SODDING, SALT TOLERANT
- HOT-MIX ASPHALT SHOULDERS, 6 INCH (SEE NOTE 4)

HOT-MIX ASPHALT (HMA) MIX REQUIREMENTS		
DESCRIPTION	AC TYPE	% AIR VOIDS
<b>CLASS D PATCHES:</b>		
HMA SURFACE COURSE, MIX "D", N70, IL 9.5; 2"	PG 64-22	4% @ 70 Gyr.
HMA BINDER COURSE, IL-19, N70 ; 8" (3 LIFTS)	PG 64-22 *	4% @ 70 Gyr.
<b>TEMPORARY PAVEMENT:</b>		
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.
<b>ROADWAY PAVEMENT:</b>		
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, IL 9.5; 2"	SBS/SBR PG 70-22	4% @ 90 Gyr.
POLYMERIZED HMA BINDER COURSE, IL-19.0, N90; 11" (3 LIFTS)	SBS/SBR PG 70-22	4% @ 90 Gyr.
<b>SHOULDERS:</b>		
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, IL 9.5; 2"	SBS/SBR PG 70-22	4% @ 90 Gyr.
POLYMERIZED HMA BINDER COURSE, IL-19.0, N90; 4" (1 LIFT)	SBS/SBR PG 70-22	4% @ 90 Gyr.
<b>DRIVEWAY:</b>		
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.

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	
PG GRADE: Binder =	Surface =	
SUBGRADE SUPPORT RATING:	SSR = Sta. to Sta.	

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT NO. 1 SCHAUMBURG  
TYPICAL PROPOSED SECTIONS  
ILLINOIS ROUTE 59  
STA. 3203+00 TO STA. 3208+34  
SCALE NONE  
DATE AUGUST 17, 2007  
DRAWN BY REW  
CHECKED BY JCM