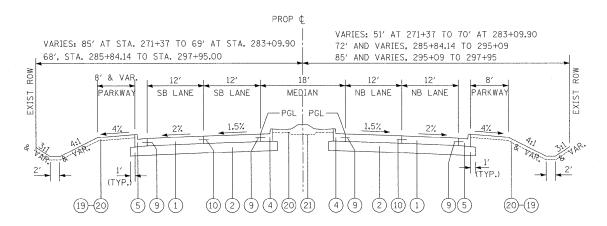


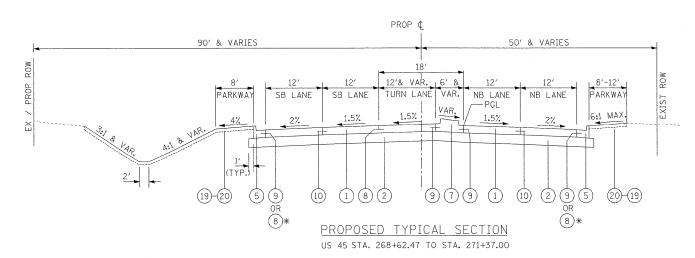
PROPOSED TYPICAL SECTION

* (8) AT PRAIRIE SMOKE ROAD, STA. 285+17 TO STA. 286+52

US 45 STA. 265+88.08 TO STA. 268+62.47 STA. 283+09.90 TO STA. 285+84.14



PROPOSED TYPICAL SECTION US 45 STA. 271+37.00 TO STA. 283+09.90 STA. 285+84.14 TO STA. 297+95.00



* AT CASEY ROAD

FILEL\$

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: NONE

PROPOSED LEGEND

- 1) PORTLAND CEMENT CONCRETE PAVEMENT 91/2" (JOINTED)
- (2) AGGREGATE SUBGRADE, 12"
- (3) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (4) COMBINATION CONCRETE CURB AND GUTTER, (SPECIAL)
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (7) CONCRETE MEDIAN, TYPE SB-6.12
- B LONGITUDINAL CONSTRUCTION JOINT WITH NO. 8 x 24-INCH EPOXY COATED

 DEFORMED TIE BARS DRILLED & GROUTED-IN-PLACE @ 24" C-C PER STD. 420001

 (INCLUDED IN THE COST OF PCC PAVEMENT)
- 9 LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 24-INCH EPOXY COATED DEFORMED TIE BARS DRILLED & GROUTED-IN-PLACE @ 24" C-C PER STD. 606001 (INCLUDED IN COST OF CONCRETE CURB AND GUTTER OR MEDIAN)
- SAWED LONGITUDINAL JOINT WITH NO. 6 x 30-INCH EPOXY COATED

 DEFORMED TIE BAR @ 30" C-C (INCLUDED IN THE COST OF PCC PAVEMENT)
- (11) DRILL AND GROUT DOWEL BARS (24" C-C SPACING)
- (12) HOT-MIX ASPHALT BASE COURSE, 10"
- (13) HOT-MIX ASPHALT BASE COURSE WIDENING, 6"
- (14) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (13/4")
- 15) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 $(1\frac{3}{4})$ "
- (16) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 $(2^{1}/4^{\prime\prime})$
- (17) AGGREGATE SHOULDERS, TYPE B 6"
- (18) 4" Ø PIPE UNDERDRAIN
- (19) SODDING, SALT TOLERANT, OR SEEDING AS NOTED ON PLANS
- (20) 4" TOPSOIL (PAID AS TOPSOIL EXCAVATION AND PLACEMENT)
- (21) 24" TOPSOIL (PAID AS TOPSOIL EXCAVATION AND PLACEMENT OR TOPSOIL FURNISH AND PLACE, 24")
- (22) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (101/4")
- (23) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 ($\frac{3}{4}$ ")

NOTES:

- 1. THE LOCATION OF POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES)
 IS SHOWN IN THE CROSS SECTIONS. WHEN GEOTECHNICAL FABRIC FOR
 GROUND STABILIZATION IS SPECIFIED IT SHALL BE INSTALLED PRIOR TO
 THE PLACEMENT OF SUBGRADE MATERIAL. REFER TO THE SCHEDULE
 OF QUANTITIES FOR LOCATIONS.
- 2. FOR LOCATION OF UNDERDRAIN, SEE TABLE PROVIDED IN DRAINAGE PLANS.
 THE OUTFALL TO DRAINAGE STRUCTURE IS LISTED IN TABLES, WHEN A SPECIAL
 OUTLET IS USED, INSTALL PER STD. 601001.
- 3. ALL UNDERDRAIN TIE-INS TO STRUCTURES WILL BE INCLUDED IN THE PIPE UNDERDRAIN PAY ITEM.
- 4. HMA SHOULDERS, 8" USED ALONG NB US 45 BETWEEN STA. 255+80 AND STA. 257+30. HMA SHOULDERS, 6" USED AT TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL LOCATIONS PER IDOT STANDARDS. PLEASE REFER TO THE ROADWAY PLAN AND PROFILE SHEETS FOR MORE INFORMATION.

U.S. ROUTE 45 - MAINLINE PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC: Year 2030

PV = 35832 SU = 358 MU = 717

ROAD/STREET CLASSIFICATION: Class

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 32% S = 45% M = 45%

TRAFFIC FACTOR: Actual TF = 4.13

Minimum TF = 4.96

SUBGRADE SUPPORT RATING:

SSR = <u>POOR</u> (STA, 253+30 TO STA, 329+53)

			F.A.P. RTE.	SECTION		COUNTY	TOTAL	SHEET NO.	
PROPOSED	PROPOSED TYPICAL SECTIONS			344	(46~15&4	17)WRS-3	LAKE	176	18
 				U.S. F	OUTE 45 RECC	NSTRUCTION	CONTRACT	NO.	50957
SHEET NO. 3 OF 5	SHEETS	STA. 265+88.08	TO STA.297+55	FED. R	DAD DIST. NO.	ILLINOIS FED. AT	ID PROJECT		