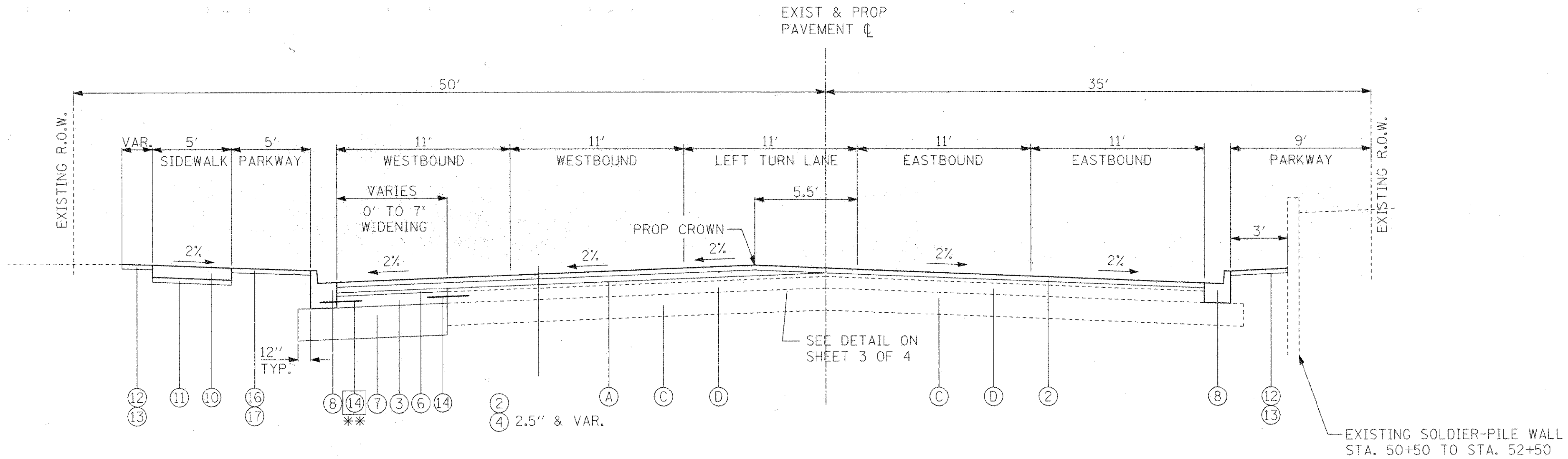
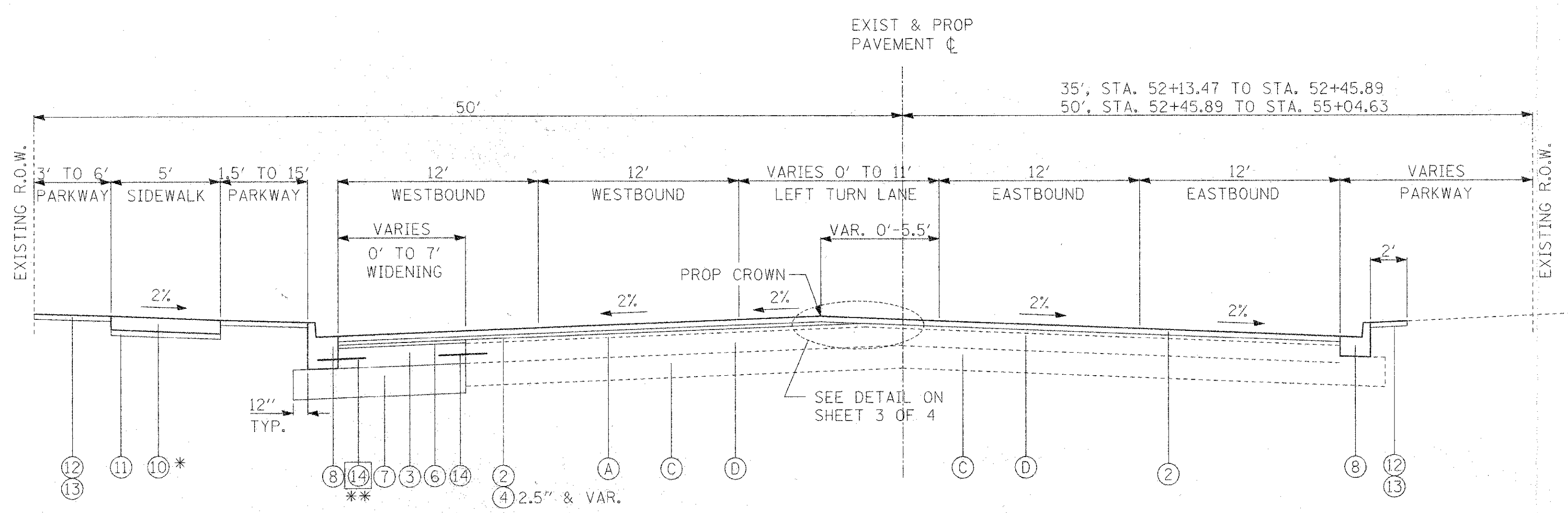


ST. CHARLES ROAD
PROPOSED TYPICAL SECTION

STA. 50+00 TO STA. 52+13.47



* EXISTING SIDEWALK IS LOCATED STA. 53+43.13 LT TO STA. 55+04.63 LT

** INCIDENTAL TO B-6.18 CURB AND GUTTER.

ST. CHARLES ROAD
PROPOSED TYPICAL SECTION

STA. 52+13.47 TO STA. 55+04.63

EXISTING LEGEND:

- (A) EXISTING HOT-MIX ASPHALT BINDER & SURFACE, THICKNESS VARIES
- (B) EXISTING HOT-MIX ASPHALT BASE COURSE, THICKNESS VARIES
- (C) EXISTING AGGREGATE BASE COURSE, THICKNESS VARIES
- (D) EXISTING PCC BASE COURSE, 8 1/4" AND VARIES (SEE NOTE 1)
- (E) EXISTING HMA PAVEMENT, 7" AND VARIES (SEE NOTE 1)
- (F) EXISTING B-6.12 CURB AND GUTTER
- (G) EXISTING B-6.18 CURB AND GUTTER
- (H) EXISTING PCC SIDEWALK
- (I) (NOT USED)
- (J) EXISTING LANDSCAPED PARKWAY
- (K) EXISTING GRAVEL SHOULDER

PROPOSED LEGEND:

- (1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6" (REFER TO HMA MIXTURE REQUIREMENTS TABLE, SHEET 20)
- (2) HMA SURFACE COURSE, MIX "D", N70, 1 1/2" (SEE NOTE 2)
- (3) LEVELING BINDER (MACHINE METHOD); VARIES 3/4" TO 2-1/2"
- (4) HMA BINDER COURSE, IL-19.0, N70, 2 1/2" & VARIES
- (5) AGGREGATE SUBGRADE, 12"
- (6) AGGREGATE SUBGRADE, 16"
- (7) PCC BASE COURSE WIDENING, 9"
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (SPECIAL)
- (10) PCC SIDEWALK, 5 INCH
- (11) AGGREGATE BASE COURSE, TYPE B, 2" (INCIDENTAL TO SIDEWALK)
- (12) TOPSOIL FURNISH AND PLACE, 4 INCH
- (13) SODDING, SALT TOLERANT
- (14) DOWEL BARS (#6x24" @ 2' C-C UNLESS NOTED)

NOTES:

1. REFER TO SOIL BORINGS FOR DEPTHS OF EXISTING PAVEMENT.
2. 1 1/2" PAVEMENT SURFACE REMOVAL TO BE PERFORMED PRIOR TO RESURFACING.

UNDERCUT AND PGE, SUBGRADE LOCATION

NOTE: POSSIBLE LOCATIONS OF UNDERCUT AND POROUS GRANULAR EMBANKMENT, SUBGRADE SHALL BE IDENTIFIED BY THE ENGINEER DURING CONSTRUCTION. CONTRACTOR SHALL BE PAID FOR THE ACTUAL QUANTITY OF WORK PERFORMED.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	VOIDS
RIFORD ROAD PAVEMENT DESIGN	
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-9.5mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"	4% @ 50 GYR.
ST. CHARLES ROAD PAVEMENT DESIGN	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm); 1 1/2"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4" MIN.	4% @ 70 GYR.
LEVELING BINDER (MACHINE METHOD), N70 (3/4" MIN.), THICKNESS AS SHOWN ON TYPICAL SECTION	4% @ 70 GYR.
HOT-MIX ASPHALT DRIVEWAY PAVEMENT	
HMA SURFACE COURSE, MIX "C", N50 (IL-9.5mm); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19mm), 6"	4% @ 50 GYR.
PAVEMENT PATCHING	
CLASS D PATCHES, TYPE III / CLASS D PATCHES, TYPE IV — HMA BINDER IL-19mm	4% @ 70 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SY-IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED IN THE SPECIAL PROVISIONS.

FOR "PERCENT OF RAP" REFER TO THE SPECIAL PROVISIONS.

PLAN — NOTE BOOK NO. — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. CHECKED, CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK NO. — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHECKED — BY — DATE

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - JAB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS - ST. CHARLES ROAD	
		DRAWN - JAB	REVISED -			
	PLOT SCALE = $SCALE$	CHECKED - MAP	REVISED -			
	PLOT DATE = $DATE$	DATE - 12/01/2009	REVISED -		SCALE: N.T.S. / SHEET NO. 4 OF 4 SHEETS / STA. TO STA.	

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2915	05-00068-00-FP	DUPAGE	141	23
RIFORD ROAD RECONSTRUCTION		CONTRACT NO. 63092		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		