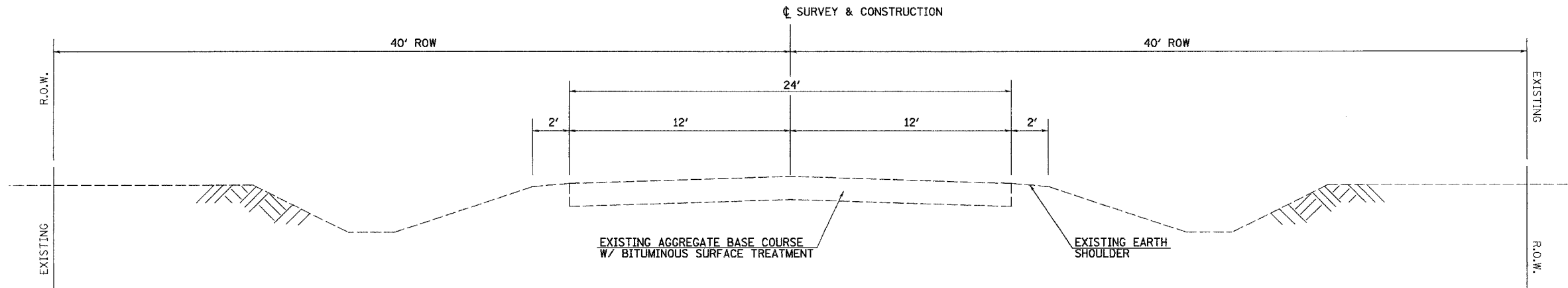


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8178	05-00016-01-PV	MORGAN	31	6
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**EXISTING TYPICAL SECTION  
WEST VANDALIA ROAD  
STA 112+67.80 TO STA 134+83.80**

**PAVEMENT STRUCTURAL DESIGN INFORMATION**

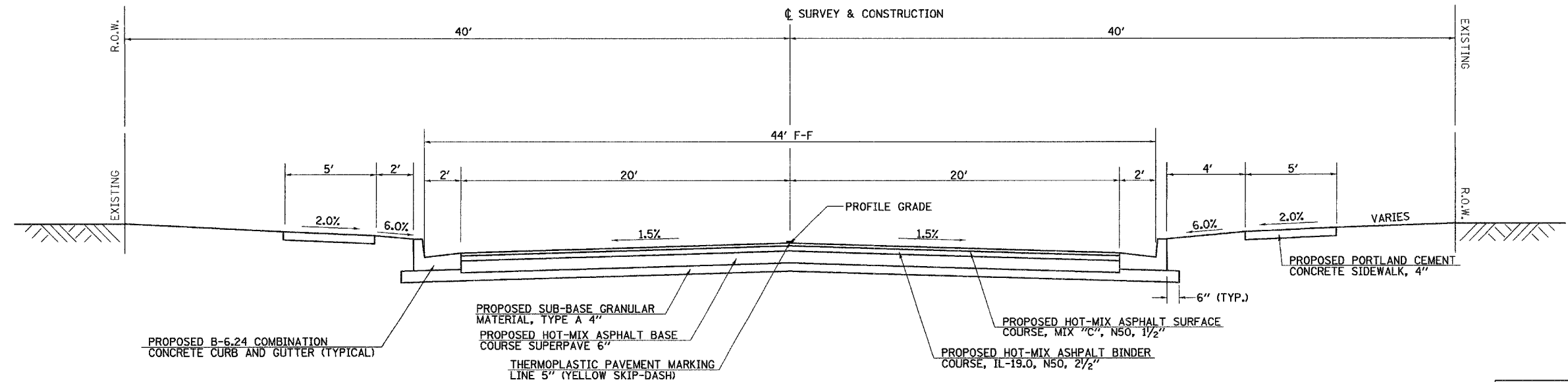
STRUCTURAL DESIGN TRAFFIC: YEAR 2016  
 PV=2,605 SU=207 MU=148

CLASS II ROAD TF = 0.65 D<sub>r</sub>(REQ.) = 3.80  
 MINIMUM SOIL SUPPORT: IBR = 3  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P=50% S=50% M=50%

PAVEMENT STRUCTURE MATERIALS:  
 SURFACE COURSE TYPE: HOT-MIX ASPHALT, 4", a<sub>1</sub> = 0.40  
 BASE COURSE TYPE: HOT-MIX ASPHALT BASE COURSE, 6", a<sub>1</sub> = 0.33  
 SUB-BASE COURSE TYPE: GRANULAR MATERIAL, TYPE A, 4", a<sub>1</sub> = 0.14

D<sub>t</sub>(PROVIDED) = 4.14

MIXTURE USE(S)	HMA SURF CSE	HMA BINDER CSE	HMA BASE CSE
AC/PG	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N DESIGN=50	4.0% @ N DESIGN=50	4.0% @ N DESIGN=50
MIX COMPOSITION: (GRADATION MIXTURE)	IL-9.5 OR 12.5	IL-19.0	IL-19.0 OR 25.0
FRICTION AGGREGATE	MIX "C"	N/A	N/A



**PROPOSED TYPICAL SECTION  
WEST VANDALIA ROAD  
STA 112+67.80 TO STA 134+83.80**

NOTE: THE RIGHT 8' PARKING LANE VARIES FROM 1.5% TO 4.0% FROM STA 132+20.00 TO STA 132+40.10, AND VARIES FROM 4.0% TO 1.5% FROM STA 132+40.10 TO STA 132+69.45, SEE LABOR DRIVE INTERSECTION DETAIL FOR PAVEMENT ELEVATIONS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**WEST VANDALIA ROAD  
TYPICAL SECTIONS**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE: DECEMBER 2006

DRAWN BY TJD  
 CHECKED BY JRB

PLOT DATE = 8/25/2007  
 FILE NAME = W:\2440\2440\2440.dgn  
 PLOT SCALE = 1/8" = 1'-0"  
 USER NAME = jwhite