

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		MADISON	418	372
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
		SECTION 60-14-2 & 60-14-2B CONTRACT NO. 76986		

**STRUCTURAL DESIGN INFORMATION  
FRONTAGE ROAD**

ROAD CLASSIFICATION: CLASS IV

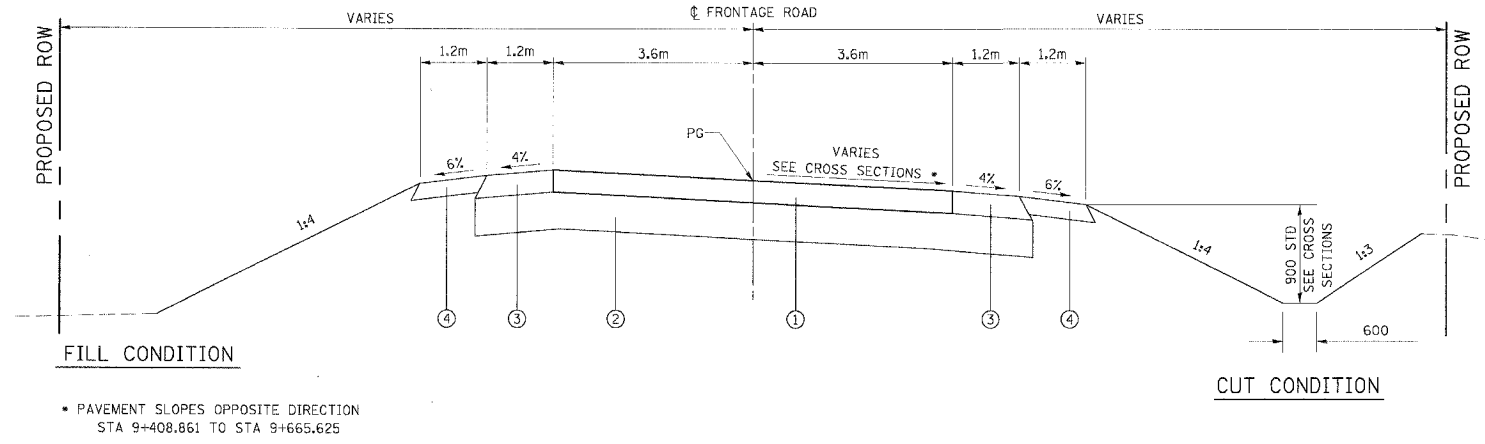
STRUCTURAL DESIGN TRAFFIC:  
PV=509 SU=10 MU=3

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE  
P=50% S=50% M=50%

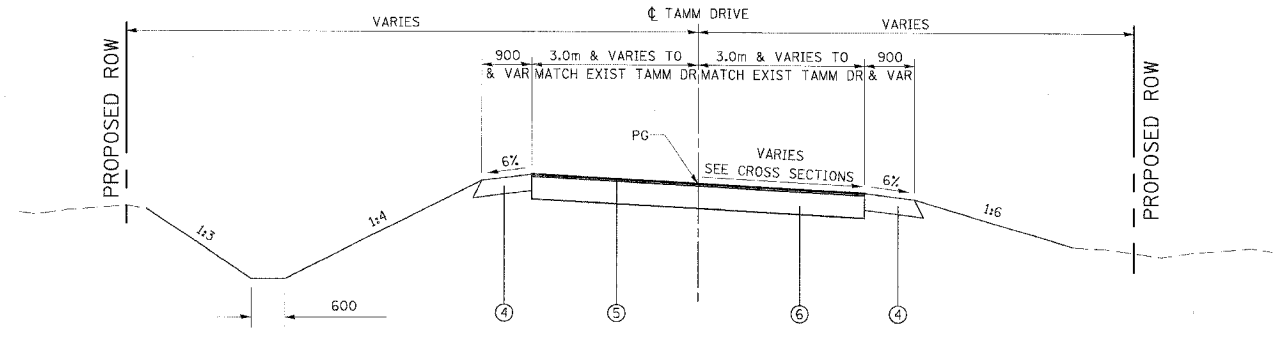
MINIMUM SUBGRADE SUPPORT RATING: POOR

FLEXIBLE PAVEMENT DESIGN:  $T_F = 0.50$

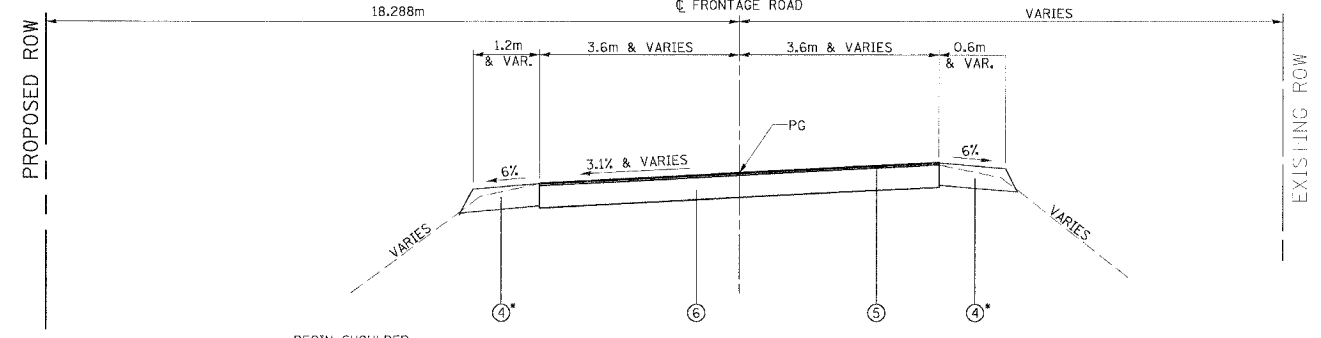
SELECTED DESIGN AC TYPE 20  
AC THICKNESS 190  
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 140mm  
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 50mm



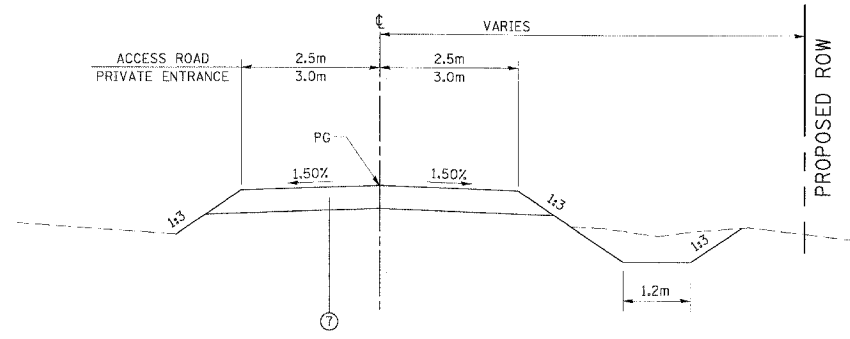
**PROPOSED FRONTAGE ROAD  
STA 9+150.000 TO STA 9+996.645**



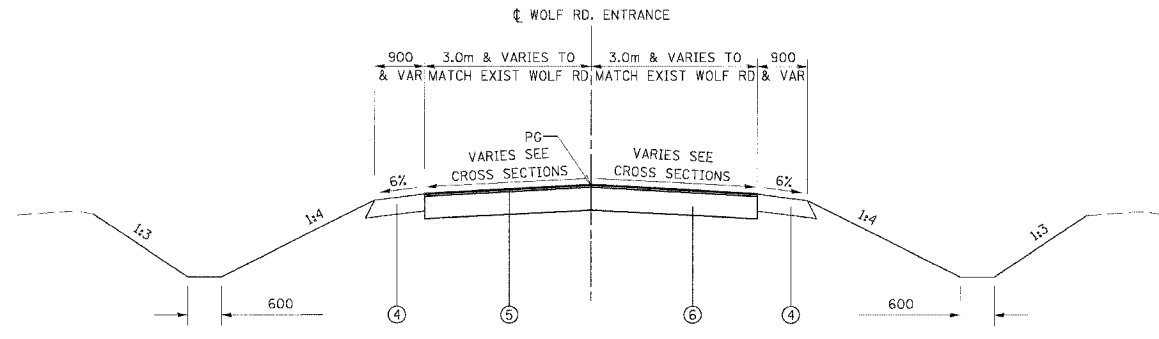
**PROPOSED TAMM DRIVE  
STA 0+004.800 TO STA 0+087.247**



**PROPOSED FRONTAGE ROAD  
STA 9+087.000 TO STA 9+150.000**



**PROPOSED ACCESS ROAD  
STA 0+004.800 TO STA 0+046.983  
& PRIVATE ENTRANCE**



**PROPOSED WOLF ROAD ENTRANCE  
STA 1+000.000 TO STA 1+036.283**

**LEGEND**

- ① HOT-MIX ASPHALT PAVEMENT, (FULL DEPTH), 190mm
- ② PROCESSING MODIFIED SOIL 300mm
- ③ HOT-MIX ASPHALT SHOULDER 190mm
- ④ AGGREGATE SHOULDER, TYPE A 150mm
- ⑤ BITUMINOUS SURFACE TREATMENT, CLASS A-3
- ⑥ AGGREGATE BASE COURSE, TYPE A 200mm
- ⑦ AGGREGATE SURFACE COURSE, TYPE B 200mm

**MIXTURE REQUIREMENTS - FRONTAGE ROAD**

MIXTURE USE	SURFACE	BINDER	SHOULDERS	TOP LEFT SHOULDERS
AC/PG	PG 64-22	PG64-22	PG58-22	PG58-22
RAP % (MIX)	10%	15%	30%	30%
DESIGN AIR VOIDS	4.0% @ Ndes = 70	4.0% @ Ndes = 70	2.0% @ Ndes = 30	**2.0% @ Ndes = 30
MIX COMPOSITION (GRADATION)	IL 19.0			
FRICITION AGG.	MIXTURE "C"	MIXTURE "B"	BAM	BAM

\*\* DESIGN THIS MIXTURE AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%

ALL DIMENSIONS ARE IN mm UNLESS DESIGNATED OTHERWISE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS**

FAP ROUTE 310  
FAP ROUTE 310 SECTION 60-14-2, 60-14-2B  
MADISON COUNTY

DRAWN BY BARGIEL  
CHECKED BY STEUART

DATE

SECTIONS  
REVISED  
DATE

11/22/2007 7:46:28 AM