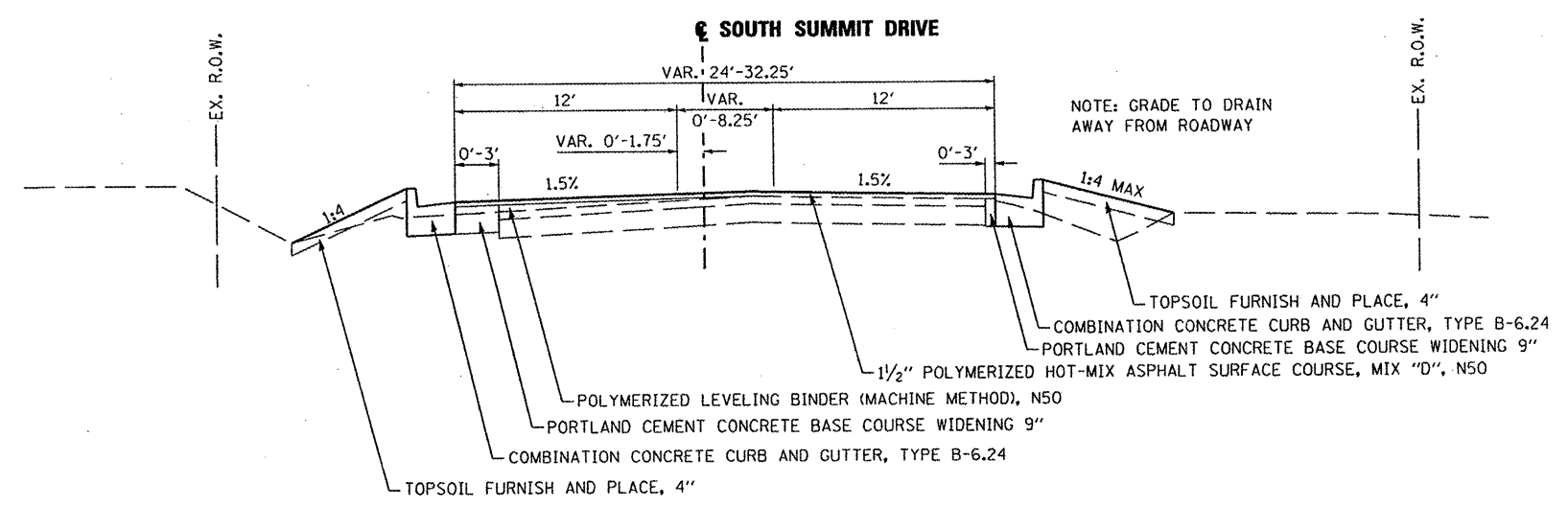


EXISTING TYPICAL SECTION  
SOUTH SUMMIT DRIVE  
STA. 107+95.44 TO STA. 115+04.58  
NORTH SUMMIT DRIVE  
STA 10+03.97 TO STA 21+66.46

NOTE: CORE AT STA. 109+00 INDICATES 2.5" OF BIT. CONCRETE ON 6.5" OF SAND AND GRAVEL.



PROPOSED TYPICAL SECTION #1  
SOUTH SUMMIT DRIVE  
STA 107+95.44 TO STA. 110+00.79

**STRUCTURAL PAVEMENT DESIGN DATA**

**SOUTH SUMMIT DRIVE**

CLASSIFICATION OF ROADWAY: CLASS II  
DESIGN PERIOD: 20 YEARS  
STRUCTURAL DESIGN TRAFFIC YEAR: 2016  
PV = 5348 SU = 177 MU = 5  
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
PV = 100% SU = 100% MU = 100%  
TRAFFIC FACTOR: 0.09  
WIDENING (CONVENTIONAL FLEXIBLE PAVEMENT DESIGN):  
SUBGRADE SUPPORT RATING ( $E_p$ ) = 3 ksi (ASSUMED)  
MINIMUM STRUCTURAL DESIGN REQUIREMENTS:  
HMA SURFACE COURSE 1 1/2"  
HMA BINDER COURSE 3/4"  
GRANULAR BASE COURSE 8"

**NORTH SUMMIT DRIVE**

CLASSIFICATION OF ROADWAY: CLASS II  
DESIGN PERIOD: 20 YEARS  
STRUCTURAL DESIGN TRAFFIC YEAR: 2016  
PV = 4416 SU = 49 MU = 5  
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
PV = 100% SU = 100% MU = 100%  
TRAFFIC FACTOR: 0.066  
FULL-DEPTH PAVEMENT DESIGN  
SUBGRADE SUPPORT RATING ( $E_p$ ) = 3 ksi (ASSUMED)  
MINIMUM STRUCTURAL DESIGN REQUIREMENTS:  
HMA SURFACE COURSE 2"  
HMA BINDER COURSE 6"  
GRANULAR BASE COURSE 12"

**ILLINOIS ROUTE 8 (TRANSITION PAVEMENT)**

CLASSIFICATION OF ROADWAY: CLASS I  
DESIGN PERIOD: 20 YEARS  
STRUCTURAL DESIGN TRAFFIC YEAR: 2016  
PV = 15,116 SU = 279 MU = 124  
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
PV = 100% SU = 100% MU = 100% (TRANSITION IS 2-LANE)  
TRAFFIC FACTOR: 4.96  
MODIFIED AASHTO DESIGN: CLASS I FACILITIES  
SUBGRADE SUPPORT RATING IBR = 3 (ASSUMED)  
MINIMUM STRUCTURAL DESIGN REQUIREMENTS:  
HMA SURFACE COURSE 1 1/2"  
HMA BINDER COURSE 8 1/2"  
GRANULAR BASE COURSE 18"

FILE NAME *	PLOT SCALE = #SCALE#	DESIGNED - -	REVISED - -
	PLOT DATE = #DATE#	DRAWN - -	REVISED - -
	PLOT TIME = #TIME#	CHECKED - -	REVISED - -
#FILE#		DATE - -	REVISED - -



SUMMIT DRIVE TYPICAL SECTIONS	
N.T.S.	SHEET NO. 1 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6775	04-00141-00-FP	TAZEWELL	187	12
CONTRACT NO. 89352				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		