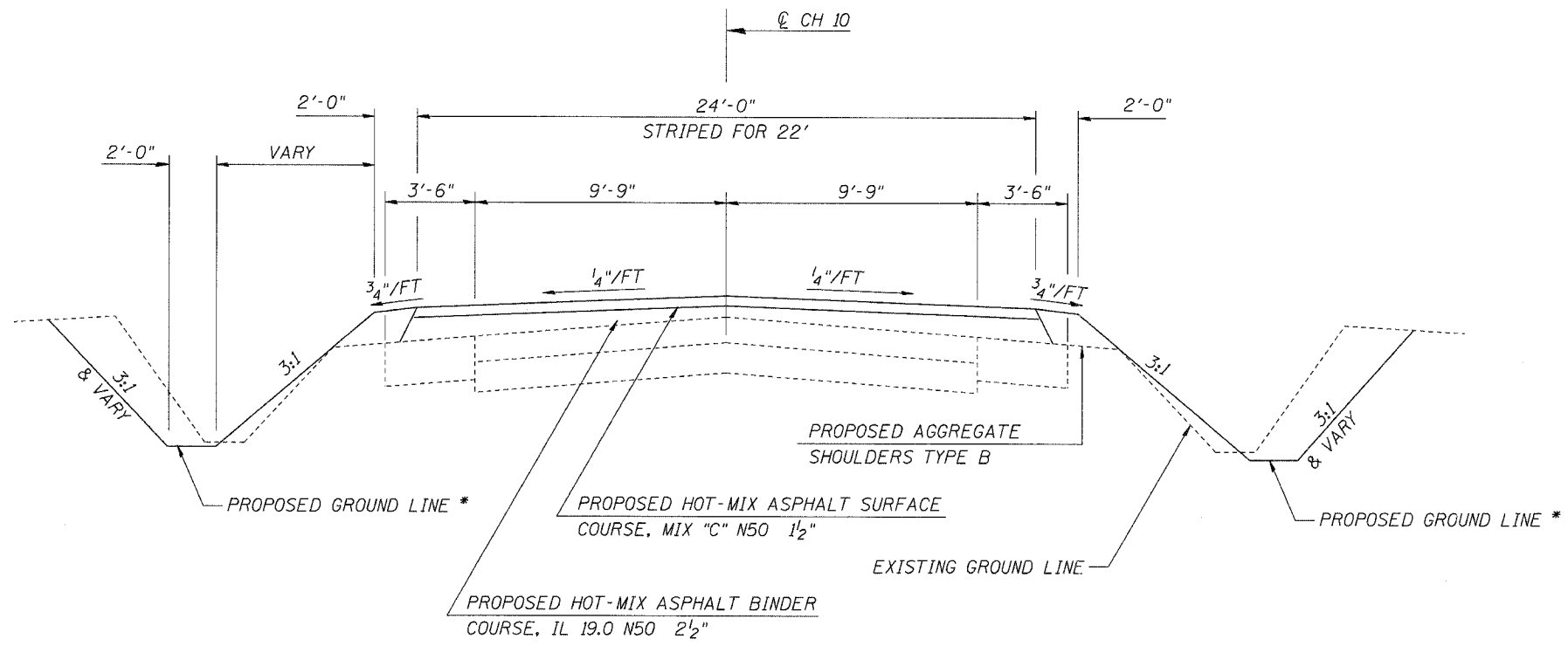


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 621	05-00075 -05-RS	SANGAMON	72	5

CONTRACT NO. 93439



**CH 10. TYPICAL PROPOSED ROADWAY CROSS SECTION**

STA 1+06.71 TO STA 126+66.02  
 STA 134+56.15 TO STA 261+74.19  
 STA 267+31.39 TO STA 317+59.10

\* PROPOSED EARTHWORK AT LOCATIONS 2-14

PAVEMENT DESIGN  
 STA 1+06.71 TO STA 317+59.10  
 STRUCTURAL DESIGN TRAFFIC YEAR: 2016  
 PV=1,753 SU=139 MU=100  
 IBV=4.0 (ASSUMED) TRAFFIC FACTOR=0.54  
 PERCENT OF SDT FOR TWO LANES  
 PV=88% SU=7% MU=5%  
 STRUCTURAL NUMBER  $SN_e = 3.6$

PAVEMENT COMPOSITION  
 EXISTING  $SN_e = 2.0$   
 5 1/2" CHIP SEAL  $A_2 = 0.16$   
 7" CEMENT STABILIZED AGGREGATE BASE  $A_3 = 0.17$

PROPOSED  $SN_{pe} = 1.6$   
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N50  $A_1 = 0.40$   
 2 1/2" HOT-MIX ASPHALT BINDER COURSE, IL 19.0 N50  $A_1 = 0.40$

**TYPICAL CROSS SECTIONS**

FAS 621 (CH 10)  
 SECTION 05-00075-05-RS  
 SANGAMON COUNTY

CUMMINS ENGINEERING CORPORATION

JOB #: 2171  
 FILE: 2171TYP  
 DATE: 4/30/07