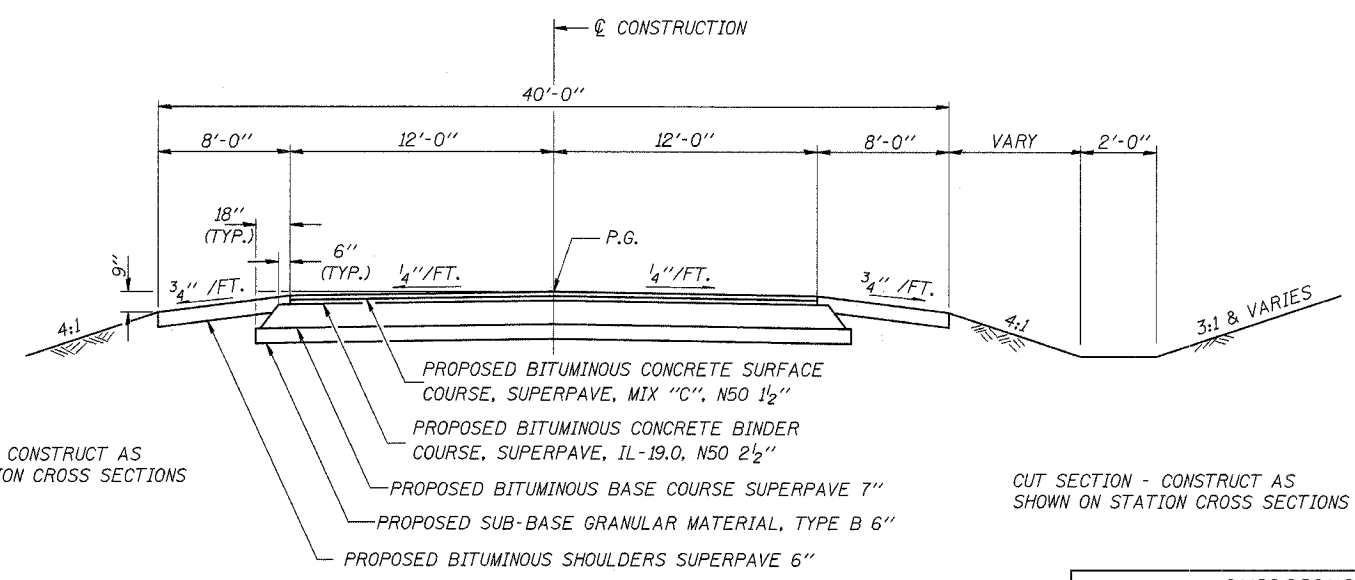


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 622	04-00077 01-BR	SANGAMON	22	3

CONTRACT NO. 93414



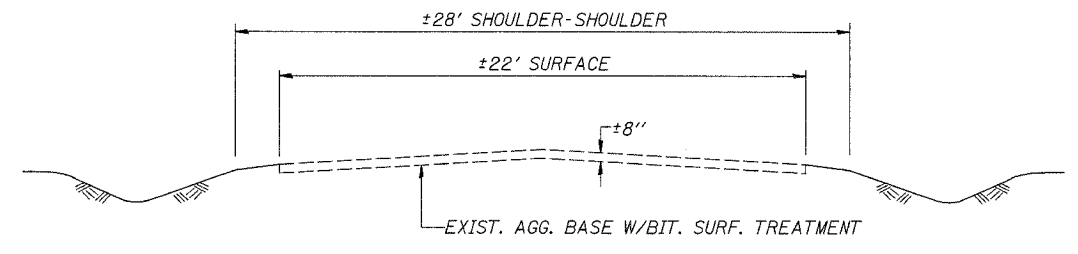
FILL SECTION - CONSTRUCT AS SHOWN ON STATION CROSS SECTIONS

CUT SECTION - CONSTRUCT AS SHOWN ON STATION CROSS SECTIONS

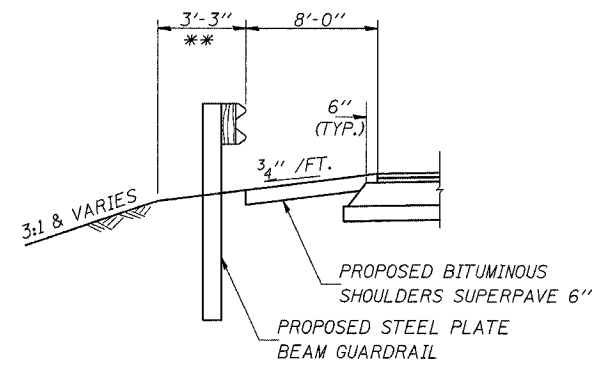
TYPICAL PROPOSED ROADWAY CROSS SECTION

STATION 43+00 TO STATION 44+68.62
STATION 46+01.38 TO STATION 47+25

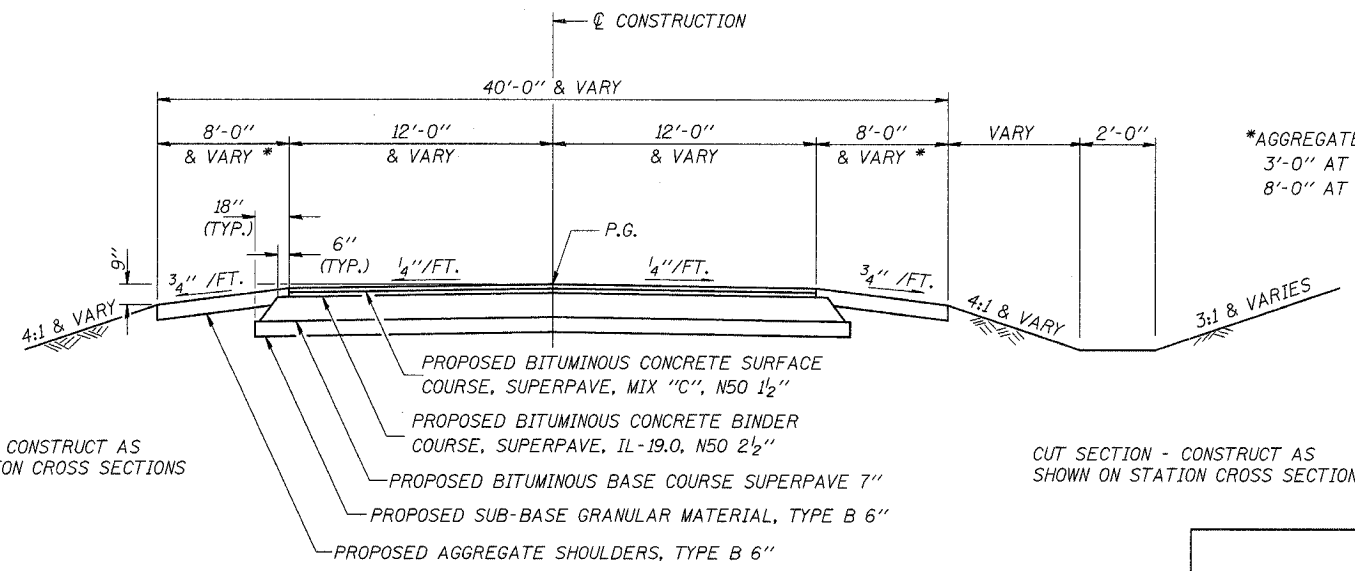
OMISSIONS
BRIDGE OMISSION:
STATION 44+98.62 TO STATION 45+71.38
BRIDGE APPROACH PAVEMENT OMISSION:
STATION 44+68.62 TO STATION 44+98.62
STATION 45+71.38 TO STATION 46+01.38



TYPICAL EXISTING ROADWAY CROSS SECTION



DETAIL - EARTH SHOULDER AT GUARDRAIL
** SEE STANDARD 630301 FOR EARTH SHOULDER WIDENING AT TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)
SEE SHEET 5 FOR LIMITS OF EARTH SHOULDER AND TRANSITIONS.



FILL SECTION - CONSTRUCT AS SHOWN ON STATION CROSS SECTIONS

CUT SECTION - CONSTRUCT AS SHOWN ON STATION CROSS SECTIONS

TYPICAL PROPOSED ROADWAY CROSS SECTION

TRANSITION FROM EXISTING ROADWAY AT STATION 42+25 TO PROPOSED ROADWAY AT STATION 43+00

TRANSITION FROM PROPOSED ROADWAY AT STATION 47+25 TO EXISTING ROADWAY AT STATION 48+00

*AGGREGATE SHOULDER TRANSITIONS:
3'-0" AT STA. 42+25 TO 8'-0" AT STA. 43+00
8'-0" AT STA. 47+25 TO 3'-0" AT STA. 48+00

PAVEMENT DESIGN		
STRUCTURAL DESIGN TRAFFIC YEAR: 2016		
PV= 1602	SU= 127	MU= 91
CLASS III ROAD		
IBR=2.0 (ASSUMED)	TRAFFIC FACTOR= 0.49	
PERCENT OF SDT FOR TWO LANES		
PV=88%	SU=7%	MU=5%
STRUCTURAL NUMBER $D_1 = 4.10$		
PAVEMENT COMPOSITION		
PROPOSED:		
1 1/2" BIT CONC SURF CSE, SUPERPAVE, MIX "C", N50 - $A_1 = 0.40$		
2 1/2" BIT CONC BINDER CSE, SUPERPAVE, N50 - $A_2 = 0.40$		
7" BIT BASE COURSE, SUPERPAVE - $A_3 = 0.30$		
6" SUB-BASE GRANULAR MATERIAL - $A_4 = 0.12$		

TYPICAL CROSS SECTIONS
FAS 622 (CH 15)
SECTION 04-00077-01-BR
SANGAMON COUNTY
CUMMINS ENGINEERING CORPORATION
JOB #: 2157
FILE: 2157TYP
DATE: 3/15/06