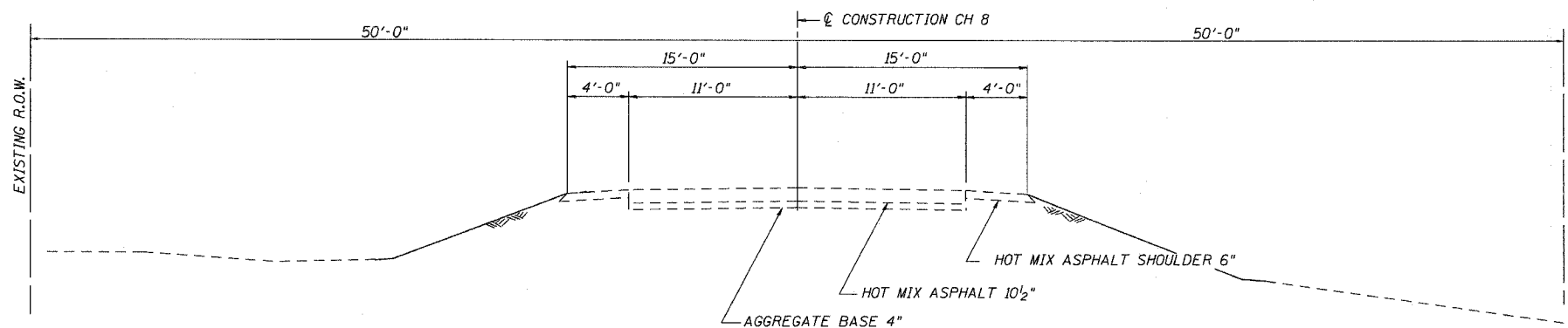


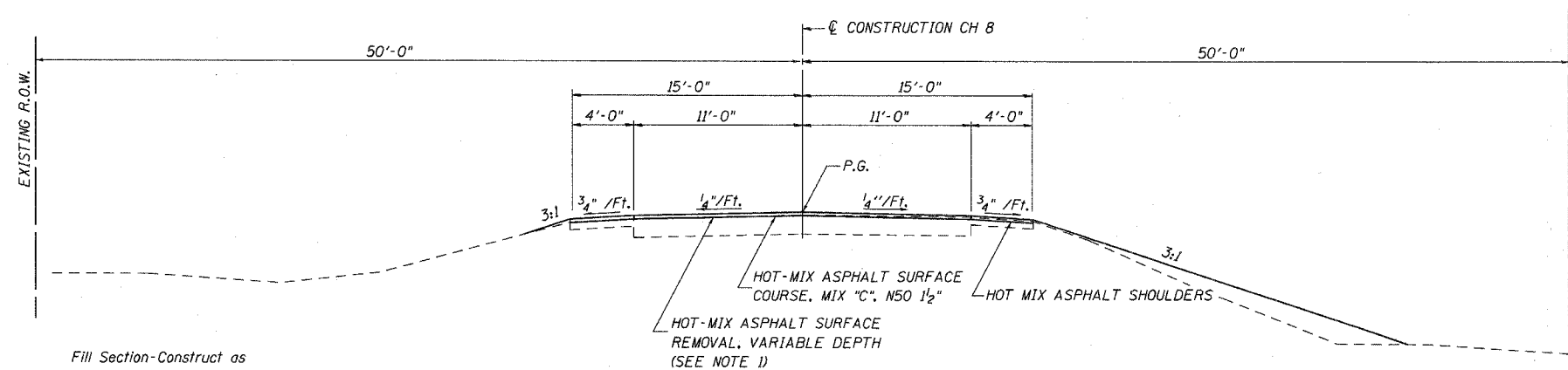
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 613	07-00092 01-BR	SANGAMON	24	3



TYPICAL EXISTING ROADWAY CROSS SECTION CH 8

HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

STA	THICKNESS (FEET)		
	12' LT	CL	12' RT
125+50	0.12	0.12	0.12
126+00	0.15	0.00	0.08
126+50	0.12	0.00	0.08
127+00	0.07	0.00	0.06
129+75	0.00	0.00	0.00
130+00	0.06	0.00	0.08
130+25	0.15	0.00	0.11
130+50	0.21	0.02	0.14
131+00	0.20	0.01	0.10
131+50	0.12	0.12	0.12



TYPICAL PROPOSED ROADWAY CROSS SECTION CH 8

LT STA 125+50.00 TO STA 127+00.95
 LT STA 130+91.50 TO STA 131+50.00
 RT STA 125+50.00 TO STA 126+44.58

Fill Section-Construct as Shown on Station Cross Sections

PAVEMENT DESIGN
 STRUCTURAL DESIGN TRAFFIC YEAR: 2017
 PV= 1179 SU= 94 MU= 67
 CLASS III ROAD
 IBV=3.0 (ASSUMED) TRAFFIC FACTOR= 0.36
 PERCENT OF SDT FOR TWO LANES
 PV=88% SU=7% MU=5%
 STRUCTURAL NUMBER $D_r = 3.55$
 PAVEMENT COMPOSITION
 EXISTING:
 3" HOT-MIX ASPHALT - $A_2 = 0.23$
 4" RECYCLED HOT-MIX ASPHALT - $A_3 = 0.25$
 3 1/2" HOT-MIX ASPHALT - $A_4 = 0.23$
 4" AGGREGATE BASE - $A_5 = 0.10$
 PROPOSED
 1 1/2" HMA SURF CSE, MIX 'C', N50 - $A_1 = 0.36$

NOTE 1: LIMITS OF HOT-MIX ASPHALT SURFACE REMOVAL
 STA 125+50 TO STA 127+00
 STA 129+75 TO STA 131+50

TYPICAL CROSS SECTIONS

FAS 613 (CH 8)
 SECTION 07-00092-01-BR
 SANGAMON COUNTY

CUMMINS ENGINEERING CORPORATION	JOB #: 2187
	FILE: 2187TYP
	DATE: 11/30/07