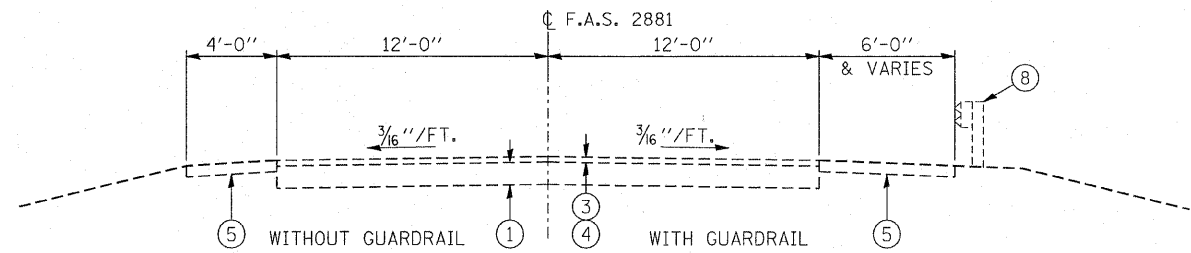
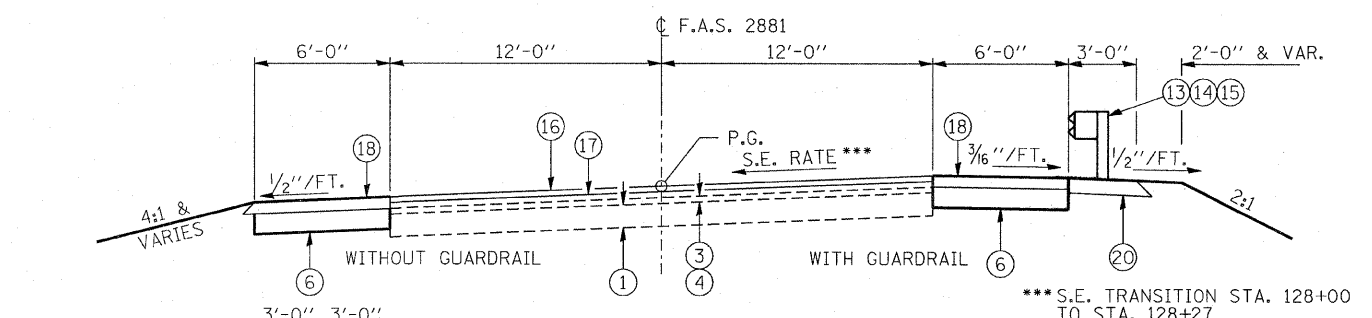


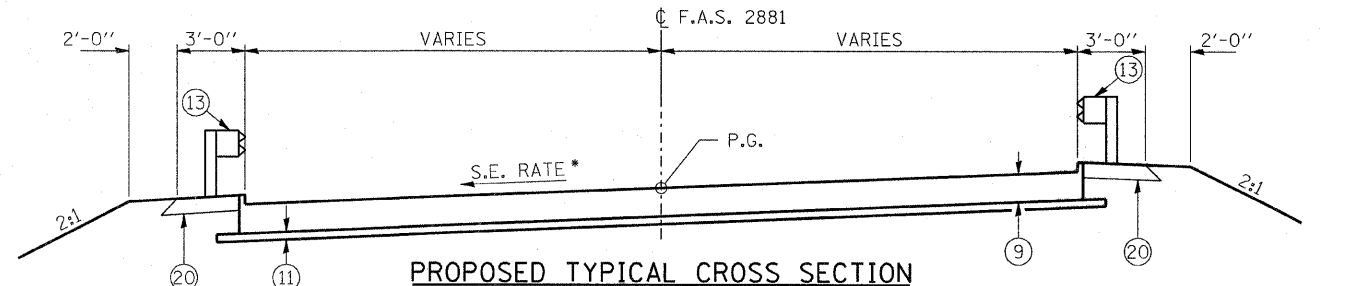
EXISTING TYPICAL CROSS SECTION
 STA. 128+00.00 TO STA. 131+02.00
 BRIDGE OMISSION STA. 131+02.00 TO STA. 131+28.00
 STA. 131+28.00 TO STA. 131+59.45



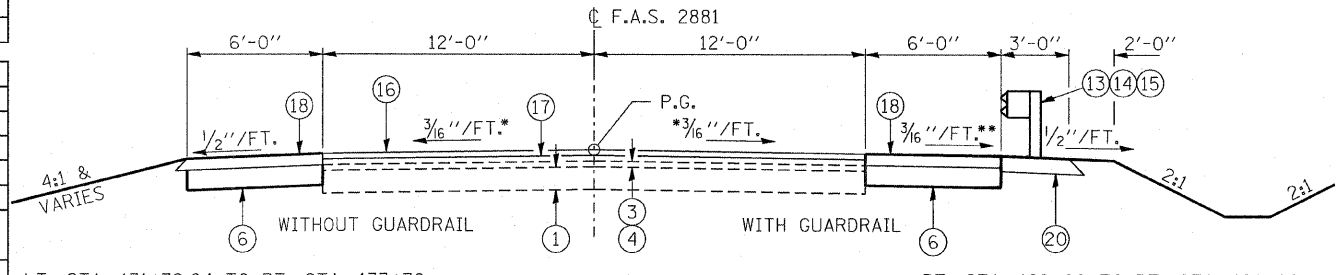
EXISTING TYPICAL CROSS SECTION
 STA. 131+59.45 TO STA. 134+60.00



PROPOSED TYPICAL CROSS SECTION
 STA. 128+00.00 TO STA. 130+52.55



PROPOSED TYPICAL CROSS SECTION
 STA. 130+52.95 TO STA. 130+58.95 (PCC CONNECTOR)
 STA. 130+58.95 TO STA. 130+88.95
 STA. 131+43.04 TO STA. 131+73.04
 STA. 131+73.04 TO STA. 131+79.04 (PCC CONNECTOR)



PROPOSED TYPICAL CROSS SECTION
 STA. 131+79.04 TO STA. 134+60.00

PAVEMENT DESIGN (MECHANISTIC)
 DESIGN PERIOD 5 YEARS LOADING HS 20-44 (80,000 LBS)
 STRUCTURAL DESIGN TRAFFIC (SDT) = 2012 (3645.3)
 PV = 3430 SU = 128 MU = 87
 ROAD/STREET CLASSIFICATION: CLASS II
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE
 P = 50% S = 50% MU = 50%
 TRAFFIC FACTOR ACTUAL TF 0.12 AC TYPE 64-22
 MINIMUM TF 0.95
 PG GRADE: BINDER = 64-22 SURFACE = 64-22
 SUBGRADE SUPPORT RATING
 SSR = POOR (STA. TO STA.)
 SSR = POOR (STA. TO STA.)

- LEGEND**
- ① EXIST CONCRETE PAVEMENT
 - ②
 - ③ EXISTING H.M.A. BINDER COURSE 1/2" MIN
 - ④ EXISTING H.M.A. SURFACE COURSE 1/2"
 - ⑤ EXISTING AGGREGATE SHOULDERS TYPE A 6"
 - ⑥ H.M.A. BASE COURSE WIDENING 10 3/4"
 - ⑦ TEMPORARY PAVEMENT MARKING
 - ⑧ EXISTING GUARDRAIL
 - ⑨ BRIDGE APPROACH PAVEMENT
 - ⑩ BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)
 - ⑪ BRIDGE APPROACH PAVEMENT SUB-BASE, 4"
 - ⑫ AGGREGATE SHOULDERS, TYPE A, 8"
 - ⑬ TRAFFIC BARRIER TERMINAL, TYPE 6
 - ⑭ STEEL PLATE BEAM GUARDRAIL
 - ⑮ TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)
 - ⑯ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N90 (1/2" MIN.)
 - ⑰ LEVELING BINDER (MACHINE METHOD), N90 (3/4" MIN.)
 - ⑱ HOT-MIX ASPHALT SHOULDERS, 2 1/4"
 - ⑲ HOT-MIX ASPHALT SURFACE REMOVAL (CROSS SLOPE CORRECTION)
 - ⑳ HOT-MIX ASPHALT SHOULDERS, 8"

MIXTURE REQUIREMENTS	
LOCATION(S):	FAS 2881 RALEIGH RD
MIXTURE USE(S):	HOT-MIX ASPHALT BASE COURSE
AC/PG:	PG 64-22
RAP % (MAX):	10%
DESIGN AIR VOIDS:	4% @ Ndes 90
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL 19.0
FRICTION AGGREGATE:	NONE
MIXTURE WEIGHTS:	112 LBS \ SY \ INCH THICKNESS

MIXTURE REQUIREMENTS	
LOCATION(S):	FAS 2881 RALEIGH RD
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE & LEVELING BINDER (MACHINE METHOD)
AC/PG:	PG 64-22
RAP % (MAX):	10%
DESIGN AIR VOIDS:	4% @ Ndes 90
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL -9.5 OR IL 12.5
FRICTION AGGREGATE:	MIXTURE C
MIXTURE WEIGHTS:	112 LBS \ SY \ INCH THICKNESS

MIXTURE REQUIREMENTS	
LOCATION(S):	FAS 2881 RALEIGH RD
MIXTURE USE(S):	HOT-MIX ASPHALT SHOULDERS
AC/PG:	PG 58-22
RAP % (MAX):	50%
DESIGN AIR VOIDS:	2% @ Ndes 30
MIXTURE COMPOSITION: (GRADATION MIXTURE):	HMA SHOULDERS
FRICTION AGGREGATE:	NONE
MIXTURE WEIGHTS:	

FILE NAME = 080045-sh-typsections.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -
PLOT SCALE =		DRAWN - D.T.M.	REVISED -
PLOT DATE = 10/8/2008		CHECKED - S.W.M.	REVISED -
		DATE - 09/11/08	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HLR HAMPTON, LENZINI & RENWICK, INC.
 CIVIL & STRUCTURAL ENGINEERS
 LAND SURVEYORS

TYPICAL CROSS SECTIONS

F.A.S. RTE. 2881	SECTION 30B-1	COUNTY SALINE	TOTAL SHEETS 45	SHEET NO. 8
CONTRACT NO. 98533				
FED. ROAD DIST. NO. 9 ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.