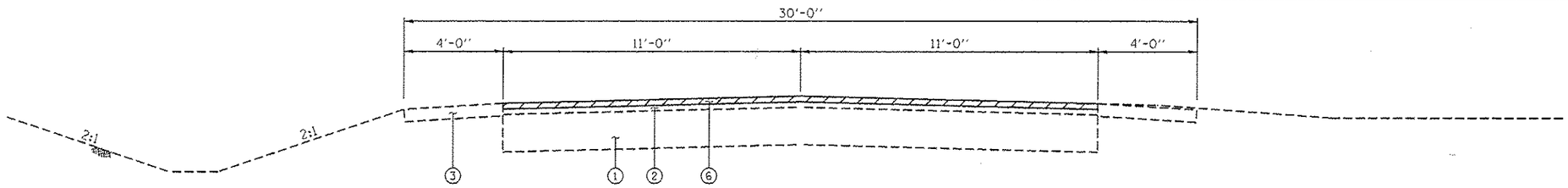
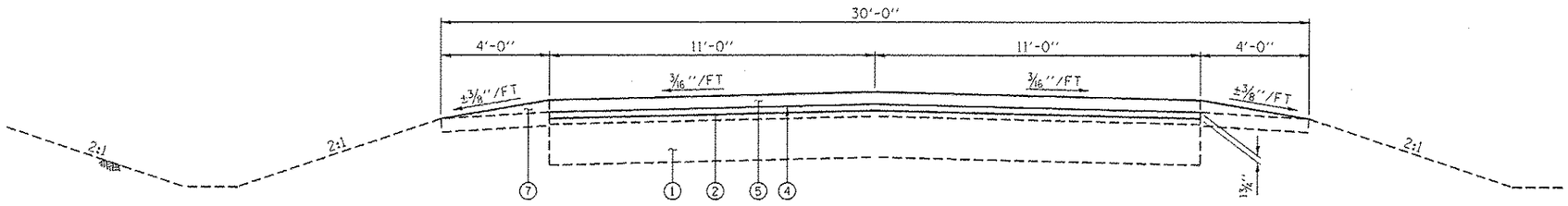


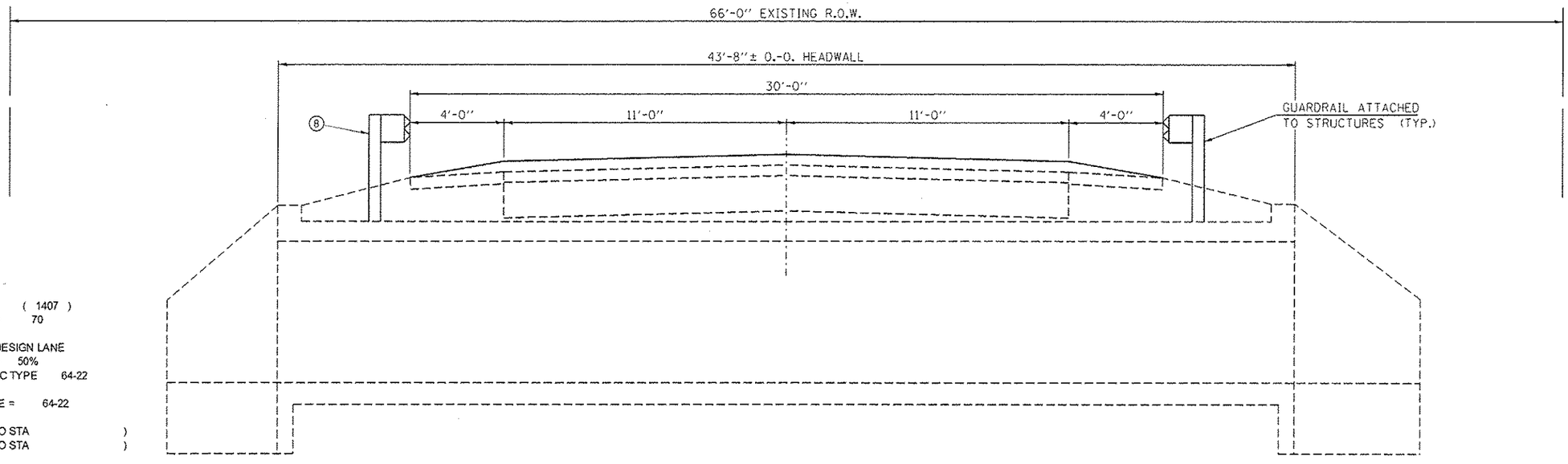
EXISTING TYPICAL CROSS SECTION

STA. 426+13 TO STA. 453+25



PROPOSED OVERLAY TYPICAL CROSS SECTION

STA. 426+13 TO STA. 453+25



PAVEMENT DESIGN (MECHANISTIC)

DESIGN PERIOD 20 YEARS 0
STRUCTURAL DESIGN TRAFFIC (SDT) = 2023 (1407)
PV = 1238 SU = 98 MU = 70
ROAD/STREET CLASSIFICATION: CLASS III
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE
P = 50% S = 50% MU = 50%
TRAFFIC FACTOR ACTUAL TF 0.38 AC TYPE 64-22
MINIMUM TF
PG GRADE: BINDER = 64-22 SURFACE = 64-22
SUBGRADE SUPPORT RATING
SSR= POOR (STA. TO STA)
SSR= POOR (STA. TO STA)

LEGEND

1. EXISTING AGGREGATE BASE
2. EXISTING BITUMINOUS PAVEMENT
3. EXISTING AGGREGATE SHOULDER
4. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"
5. Polymerized Hot Mix Asphalt Surface Course, Mix "C" N50*
6. HOT MIX ASPHALT SURFACE REMOVAL 1"
7. AGGREGATE WEDGE SHOULDER, TYPE B
8. PROPOSED STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINAL, RT. STA. 437+41.15 TO RT. STA. 440+72.40
   LT. STA. 438+40.91 TO LT. STA. 441+72.16

PROPOSED TYPICAL CROSS SECTION

STA. 439+57

MIXTURE REQUIREMENTS	
LOCATION(S):	FAS 247/CH21/BRADFORD ROAD
MIXTURE USE(S):	POLYMERIZED HMA SURF. CSE, MIX "C", N50 & INCIDENTAL SURFACING
AC/PG:	SBS OR SBR 76-22
RAP % (MAX):	SEE BDE 80306
DESIGN AIR VOIDS:	4% @ Ndes 50
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 247/CH21/BRADFORD ROAD
MIXTURE USE(S):	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50
AC/PG:	SBS OR SBR 76-22
RAP % (MAX):	SEE BDE 80306
DESIGN AIR VOIDS:	4% @ Ndes 50
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL-4.75
FRICTION AGGREGATE:	NONE
MIXTURE WEIGHTS:	112 LBS \ SY \ INCH THICKNESS

FILE NAME = 110297-sht-typsections.dgn	USER NAME = $USER$	DESIGNED - L.F.S.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3383 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS/PE/SE CORP. 184.005959		DRAWN - R.O.H.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - L.F.S.	REVISED -
	PLOT DATE = 4/16/2013	DATE - 03/27/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS
F.A.S. 247 / C.H. 21 / BRADFORD ROAD

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

FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
247	09-00164-00-RS	STARK	12	3
		CONTRACT NO. 89570		
		ILLINOIS FED. AID PROJECT		