



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS
327	14-12B	7	21

E.L.N. #442A - cut on top of concrete pier N. side of Sugar Creek E.E. side of concrete slab ford; Sta. 2766+50 Elev. 441.51.

2 1/2" x 3" Anchor Bolt in End Made for Guardrail (by Bridge Contractor)

Elev. 431.78 Metal Guardrail (by others)

Elev. 433.51

Elev. 432.81

Elev. 433.95

Elev. 423.07

Elev. 427.00

Elev. 422.92

Elev. 433.38

Elev. 432.82

Elev. 433.29

Elev. 448.48

End of Approach 40' (5' Grd)

This portion of Embankment Backfill by Bridge Contractor after Asst. is in place.

Proposed 20" Piles by Bridge Contractor

Natural Ground

APPROACH PILES DATA
Type: Standard
No. Req'd: 24
Req'd Length: 30'-0" (W. Abut.)
28'-0" (E. Abut.)

Channel Change

Channel Sta. 2769+75

Back to Back Abutts 389'-1"

Front Face of Abutment Cap 4'-7"

Elev. 453.75 (W)

Elev. 450.94 (E)

Elev. 442.78

Welded Wire Fabric 6"x6" mesh w/ 38#100 sq. ft.

Edge of Deck 5'-0"

SECTION A-A

SECTION B-B

DESIGN STRESSES

fc = 1200 psi (Deck Slab)

ft = 1400 psi (Curb, Ramp, Sub)

fs = 20000 psi (Reinf)

fs = 30000 psi (Struct)

fv = 75 psi (Frgs)

n = 10

Future Wearing Surface 25 psf

LOADING HS 20-44

PRECAST PRESTRESSED UNITS

fc = 5000 psi

ft = 4000 psi

fs = 28000 psi (10 Strands)

fs = 17000 psi (5 Strands)

WATERWAY INFORMATION

Drainage Area 60,021 Acres

Character Rolling; Wooded & Cultivated

Required Opening (50 yr. Flood) 2300 Sq. Ft.

Proposed Opening 2100 Sq. Ft.

All firm; High water elev. 452.0'

Discharge 0-13,200 cfs

Created Head 0.80 ft

Note: 150 Sq. Ft. provided by Culvert Overflow Structure - Sec. 266-2

DESIGNED	APL/MLL	EXAMINED	W.C. Gammann
CHECKED	P. Barnett	PASSED	W.C. Gammann
DRAWN		APPROVED	Richard H. Helmerman
CHECKED	LRM		

STATION 2769+75
BUILT 197 BY
STATE OF ILLINOIS
F.A.R.T. 409 SEC. 14-12B
PROJECT EBF-409-1-(B)
LOADING HS20
NAME PLATE
(See Standard 213)

For General Notes & Bill of Material See Sheet #2.

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS LOCATION 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72			67				
						CONTRACT NO. 76B27				
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				