



ITEM	UNIT	SUPERSTR.	SUBSTR.	RET. WALL	TOTAL
Setting Piles in Rock	Each	-	28	-	28
Class X Concrete	Cu. Yd.	187.4	59.2	66.6	247.2
Structural Steel	Lump Sum	1	-	-	1
Reinforcement Bars	Lb.	2860	6360	1870	11090
Reinforcement Bars (Epoxy Coated)	Lb.	26570	-	-	26570
Furnishing Steel Piles	Lin. Ft.	-	616	-	616
Name Plates	Each	2	-	-	2
Stud Shear Connectors	Each	1780	-	-	1780

GENERAL NOTES - BRIDGE

For Roadway Data and Bench Marks, See Sheet 1.

⊙ Indicates Boring. See proposal for Boring Data

Calculated Weight of Structural Steel:
33,600 Lbs. M223 Grade 50
8,550 Lbs. M103

Fasteners shall be high strength bolts. Bolts 3/4", open holes 5/8", unless otherwise noted. The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These are the Wide Flange Beams.

The Zinc-Silicate and Vinyl paint system shall be used for shop painting and field painting of structural steel.

Field welding of construction accessories will not be permitted to the bottom of the wide flange beams. Field welding in other areas will be permitted only when approved by the Engineer.

For installation of piles at Abutments, See Special Provisions.

Reinforcement bars shall conform to the requirements of AASHTO M-31 or M-53, Grade 60.

DESIGN STRESSES - BRIDGE
(Load Factor Design)

$f_c = 4500$ psi.
 $f_y = 60,000$ psi. (Rein. Steel)
 $f_y = 50,000$ psi. (M223 Grade 50 Structural Steel)
 $58,000$ psi. (M103 Structural steel)

DESIGN LOADING - BRIDGE

Live Load: HS 20-44 in accordance with AASHTO 1977 and 1978, 1979, 1980, 1981, 1982 & 1983 Interim Specifications.

Dead Load: Allow 25 psf of roadway for future wearing surface.

STATION 884+84.72
BUILT 198 BY
STATE OF ILLINOIS
F.A. RT. 412 SEC. 50-48(1)
F.A. PROJ. P.D. -412-4(50)
LOADING HS20
STR. NO.

LETTERING FOR NAME PLATE
(See Std. 2113)
Structure Number to be
supplied by District.

DESIGNED: G. Roufa
CHECKED: S. Yordy
DRAWN: J. Corley
CHECKED: L. Glosner

PLAN
* Based on 7 1/2" Earth Wall Thickness

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

"FOR INFORMATION ONLY"

STRUCTURES
AT
CEMENT COMPANY CONVEYOR
F.A-412 OVER ACCESS ROAD AND CONVEYOR

GENERAL PLAN AND ELEVATION
SECTION 50 48 (1) PROJECT EBF - 412 - 4(6)
STA. 884+84.72 (FA - 412) LASALLE CO.

SHEET NO. 2 OF 39

FILE NAME: c:\p\work\p\d\patel\j\0388782\036694-shr-detail.dgn	USER NAME: Patel, J	DESIGNED: R WOODSHANK	REVISED:
MODEL NAME:	PLOT DATE: 4/15/2014	DRAWN: R WOODSHANK	REVISED:
		CHECKED: Y PATEL	REVISED:
		DATE: 4/3/2014	REVISED:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS FOR STRUCTURE NO. 050-0196
FOR INFORMATION ONLY

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-48-108P)	LASALLE	9	8
				CONTRACT NO. 66D94
(ILLINOIS) FED. AID PROJECT				