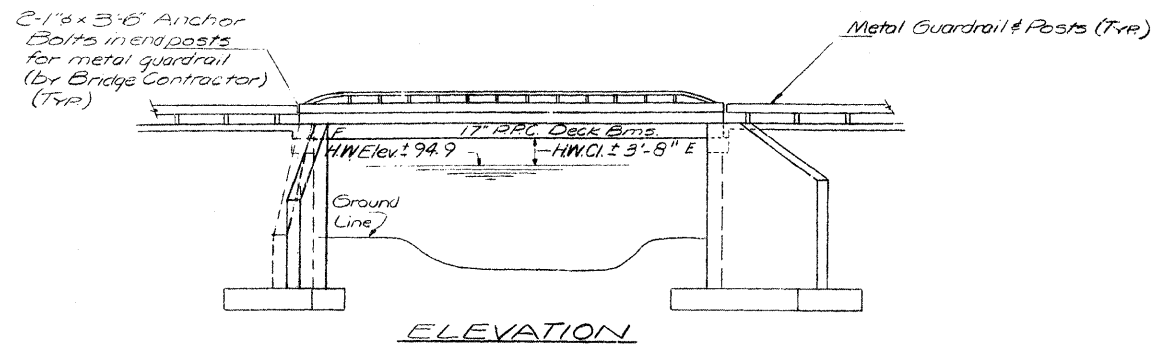


EXISTING STRUCTURE PLANS (FOR REFERENCE ONLY)

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. /
27	102BR	LEE	10	3	8 SHEETS
FED. ROAD DIST. NO. 1		UNCLAS.	FED. AID PROJECT		

in 1929 Superstr. is RC Deck Girder. Substr. is RC Closed Abut.
Superstructure to be removed in stages by Bridge Contr. No Salvage.



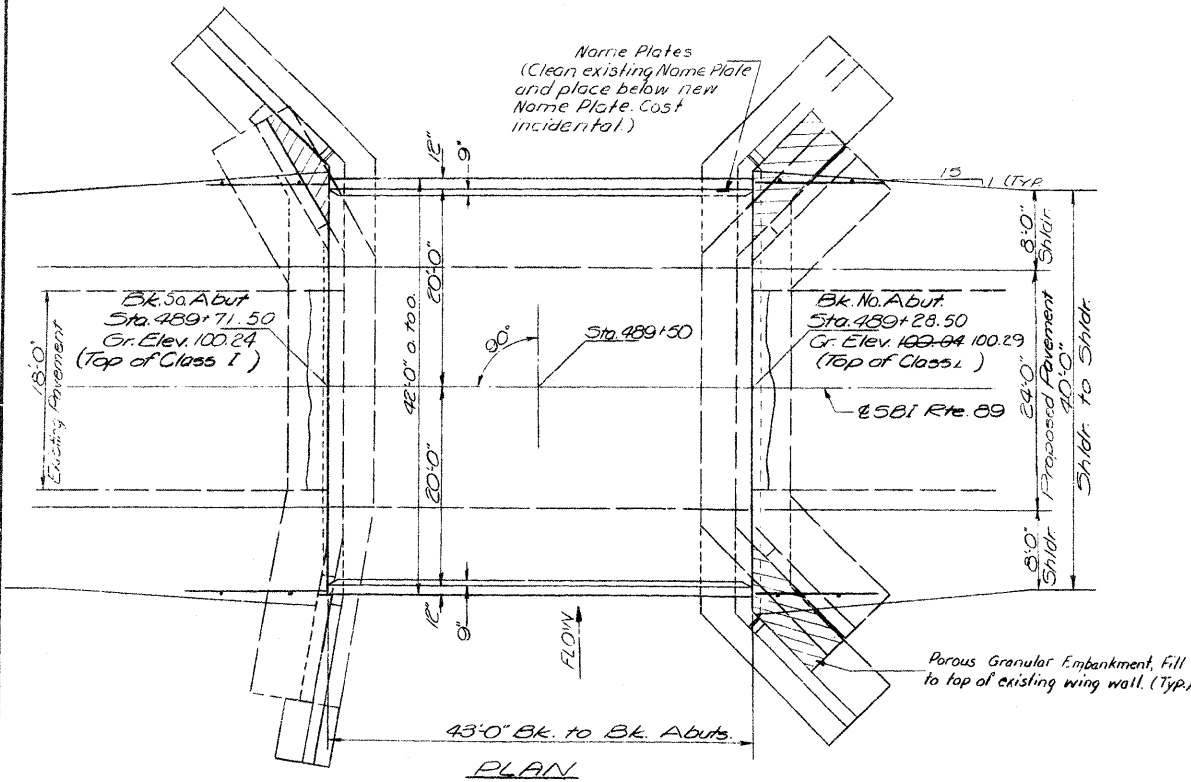
GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.

All structural steel shall be shop painted with 2 coats of basic lead silico chromate paint.

It shall be the responsibility of the Contractor to verify all dimensions and conditions existing in the field prior to construction and ordering of materials.

For Waterproofing Membrane System, see Special Provisions.



STATION 489+50
REBUILT 19 BY
STATE OF ILLINOIS
SBI RT. 89 SEC. 102-BR

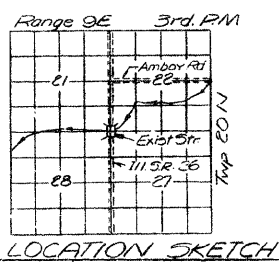
LOADING H520
NAME PLATE
See Std. 2113

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Removal of Existing Superstructure	Each	1		1
Concrete Removal	Cu. Yds		5	5
Class X Concrete	Cu. Yds	12.2	113.9	126.8
Aluminum Foiling	Lin. Ft	80		80
Reinforcement Bars	Lbs	1380	11240	12620
Portland Cement Mortar Furring	Lin. Ft	551		551
Waterproofing Memb. Syst.	Sq. Yds	194		194
Preformed Jt. Sealer	Lin. Ft	45		45
Pav't. Removal and RCC Replacement Type I (10")	Sq. Yds	3		3
Precast Prestressed Concrete Deck Beams (17")	Sq. Ft	1773		1773
Protective Coag	Sq. Yds	3E		3E
Expansion Bolts 3/4" Ø	Each		155	155
Temporary Guardrail	Lin. Ft	43		43
Structural Steel	Lbs.	2800		2800
Name Plates	Each	1		1
Bituminous Concrete Surface Course Class I	Tons	23		23
Unretreated Piles (up to 30')	Lin. Ft		660	660
Test Pile (Timber)	Each		1	1
Porous Granular Embankment	Cu. Yds		60	60

WATERWAY INFORMATION

Drainage Area, 174.50 Mi.
Character, Rolling, sand wooded
Present Opening 360 Sq. Ft.
Requ'd. Opening 360 Sq. Ft.
Proposed Opening 360 Sq. Ft.
Q(50) 1221 cfs.



DESIGNED J.M. Patel	NOVEMBER 24 2011
CHECKED [Signature]	EXAMINED [Signature]
DRAWN FERRANDO	PASSED [Signature]
CHECKED [Signature]	APPROVED [Signature]

FIELD UNITS

f_c = 1400 psi (Super) (Sub)
f_s = 20000 psi (Reinf.)
v_c = 75 psi (Footings)
n = 10

PRECAST PRESTRESSED UNITS

f_c = 5000 psi
f_s = 4000 psi
f_s = 270,000 psi
f_{su} = 189,000 psi

LOADING H520-44

GENERAL PLAN & ELEVATION
SBI RTE. 89 SEC. 102-BR
LEE COUNTY
STA. 489+50