

FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
899	BBR-1	SALINE	75	29
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

Plan dimensions and elevations relative to existing structure have been taken from existing plans and are subject to minimal construction variations. It shall be the Contractor's responsibility to verify such observations and details in the field and make necessary approved adjustments prior to construction. Additional materials (such variations shall not be cause for additional compensation for a change in the scope of the work unless the Contractor will be held for the quantity actually furnished on the bid price bid for the work.

The top surface of the bridge shall be finished in accordance with Article 505.04 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners.

Expansion joints shall consist of self-drilling expansion anchors and 3" x 12" hooked bolts.

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

A Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.

**STATION: 664+15
RE-BUILT - 1984 BY
STATE OF ILLINOIS
F.A. RT. III SEC 10B-D.B.P.
PROJ. F-11(14)
LOADING HS20
37E NO.**

NAME PLATE
(See SpE 2113)
* Structure Number to be supplied by District.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu.Yd.		193	193
Bituminous Concrete Surface Course, Class I	Ton	11		11
Removal of Existing Super-structures	Each	1		1
Concrete Removal	Cu.Yd.		6	6
Class I Concrete	Cu.Yd.		60	60
P.R.C. Deck Beams (17" Depth)	Sq.Ft.	1155		1155
Structure Excavation	Cu.Yd.		21	21
Steel Railings, Type S	Lin.Ft.	70		70
Reinforcement Bars	Each		1800	1800
Form Panels	Lin.Ft.	350		350
Portland Cement Mortar Fearing Course	Sq.Yd.	134		134
Waterproofing Membrane System	Sq.Yd.	134		134
Temporary Bridge Rail	Lin.Ft.	35		35

DESIGN STRESSES - FIELD UNITS
fc = 3500 p.s.i.
fy = 60000 p.s.i.

PRECAST PRESTRESSED UNITS
fc = 5000 p.s.i.
fci = 4000 p.s.i.
fs = 270,000 p.s.i. (5 Strands)
fs = 180,000 p.s.i. (5 Strands)
Design Specifications: 1977 AASHTO 1973, 1979, and 1980 Interim Specs. as applicable.
Allow 25% for future Wearing Surf.
LOADING HS20-4 (New Const.)

WATERWAY INFORMATION

Flow	Area	Depth	Velocity	Time	Water EL
Design	50	2.337	2.56	2.76	400.1
Base	100	2.690	2.53	2.99	400.2
Overlapping	45	2.260	2.40	2.92	400.0
Max. Cal.	500				402.7

GENERAL PLAN
F.A. RT. III (ILL. RT. 13)
OVER POSSUM TAIL BRANCH
SALINE COUNTY
STA. 664+15.00

PROFILE GRADE

PLAN

LOCATION PLAN

DESIGNED BY: B.F. Schwab
CHECKED BY: M.T.D.
DRAWN BY: E.V. Taylor
APPROVED BY: R.D.P.

DESIGNED BY: JMS 12/07
DRAWN BY: HAS 12/07
CHECKED BY: MTD 01/08
APPROVED BY: RDP 01/08