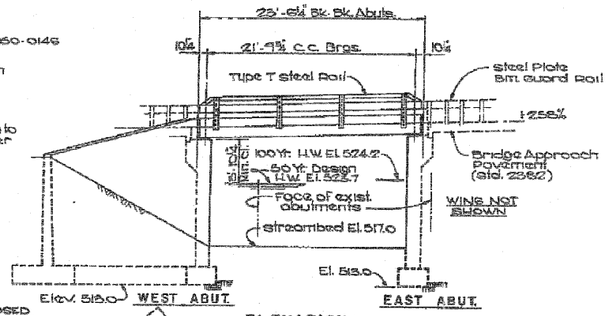
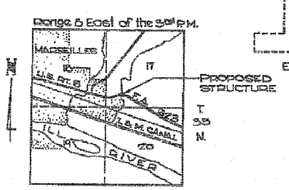
BENCH MARK: ¾ chis. "a" on S.W. wingwall of exist. bridge
Elev. 528.61

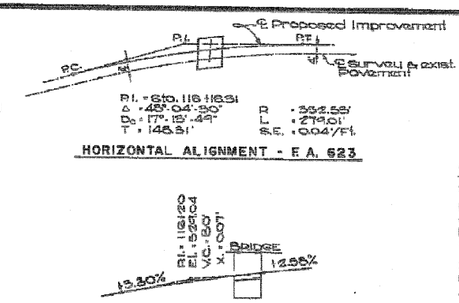
EXISTING BRIDGE: Exist. str. No. 050-0146
A one span R.C. slab-17' face to face R.C. closed Abuts. 30' Rdwy. with bit. surface. Built 1926 as Sec. G-1 SBI Pl. 7. To be removed by Bridge contractor in two stages. No salvage. North portion to ℄ of survey (also ℄ of exist. pvmt.) to be removed as STAGE 1. Remainder removed as STAGE 2. One lane to be kept open at all times.



ELEVATION



LOCATION MAP



ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
623	G-1-BR	LA SALLE	126	40
FROM REGIONS	ILLINOIS	PROJECT		

GENERAL NOTES

See Proposal for Boring Data.

Backfill shall be placed behind the abutments after the deck beams have been set and dowel bars grouted in place. See Article 502.11 of the Standard Specifications.

Reinforcement bars shall conform to AASHTO: M-31 or M-53, Grade 60.

The top surface of the beams shall be finished in accordance with Article 505.05 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.

Protective coat shall not be applied to surfaces to which Waterproofing Membrane system is applied.

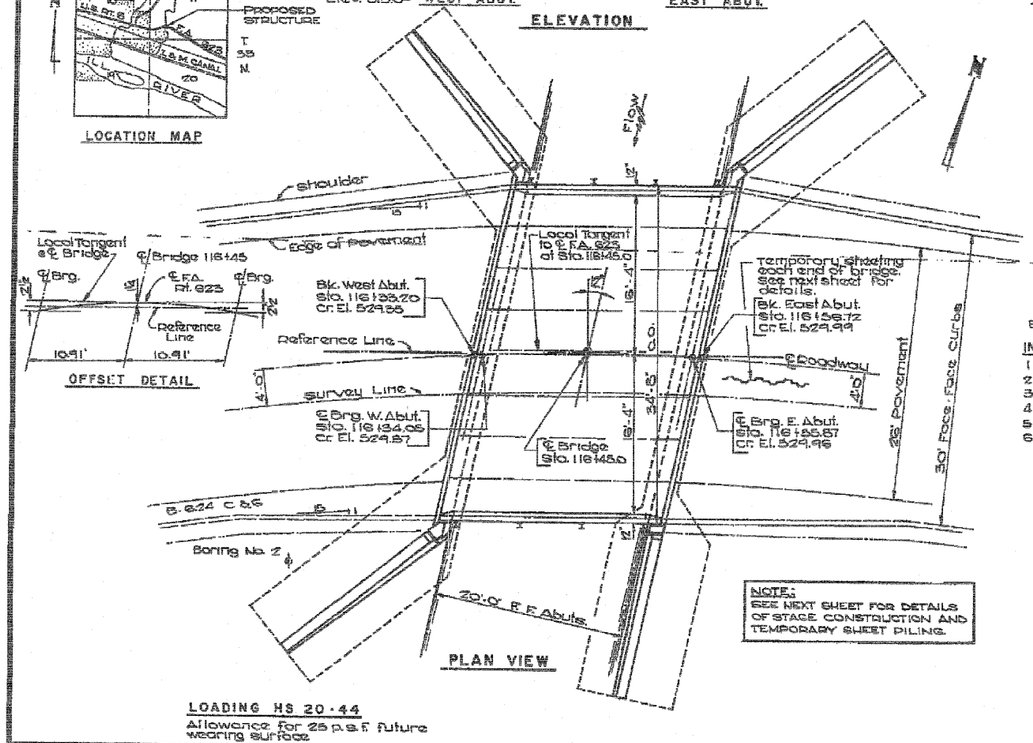
A Calcium Nitrite corrosion inhibitor as covered in the Special Provisions, shall be used in the concrete for Precast Prestressed Concrete Deck Beams and Class X Concrete for curbs.

STATION 116+45.0
BUILT 1980 BY
STATE OF ILLINOIS
F.A. RT. 623 SEC. G-1-BR

LOADING HS 20
STR. NO. 050-0184

NAME PLATE LETTERING
STD. 2113

Structure No. to be supplied by District



NOTE:
SEE NEXT SHEET FOR DETAILS OF STAGE CONSTRUCTION AND TEMPORARY SHEET PILING.

LOADING HS 20-44
Allowance for 25 p.s.f. future wearing surface

Boring No. 1

INDEX OF BRIDGE SHEETS

1 General Plan & Elevation
2 Stage Construction
3 Deck Details
4 Curb & Steel Railing
5 West Abutment
6 East Abutment

BILL OF MATERIAL - BRIDGE

ITEM	UNIT	SUB.	SUPER.	TOTAL
REMOVAL OF EXISTING STRUCTURES	EACH			1
STRUCTURE EXCAVATION	CU.YDS.	886		886
PROTECTIVE COAT	SQ.YDS.		8	8
CLASS X CONCRETE	CU.YDS.	194.2	1.4	195.6
PRECAST PRESTRESSED CONCRETE DECK BMS (1')	SQ. FT.		797	797
STEEL RAILING, TYPE T	LIN. FT.		48	48
REINFORCEMENT BARS	LBS.	14560	70	14630
NAME PLATES	EACH		1	1
PORTLAND CEMENT MORTAR FAIRING COURSE	LIN. FT.		161	161
WATERPROOFING MEMBRANE SYSTEM	SQ.YDS.		102	102
BITUMINOUS CONC. SURF. COURSE CL. I, MIX. D	TONS		8	8
TEMPORARY SHEET PILING	SQ. FT.	750		750
TEMPORARY BRIDGE RAIL	LIN. FT.		23	23

DESIGN DATA

FIELD UNITS		PRESTRESSED UNITS	
f'_c =	24,000 p.s.i.	f'_c =	5000 p.s.i.
f_c =	1000 p.s.i.	f'_{ci} =	4000 p.s.i.
v_c =	58 p.s.i.	f_s =	270,000
n =	9	E_s =	189,000

Designed using AASHTO Specs. dated 1977 & Interim Specs. dated 1978 & 1979.

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Carl E. Thompson Jr.
Engineer of Bridge & Traffic Structures

WATERWAY INFORMATION

DRAINAGE AREA	0.90 Sq. Miles
DESIGN DISCHARGE (50 YR.)	655 c.f./s.
EXISTING OPENING	96 Sq.
REQUIRED OPENING	154 Sq.
PROPOSED OPENING	154 Sq.
CREATED HEAD (50 YR.)	0.12 Foot
100 YR. DISCHARGE	780 c.f./s.
CREATED HEAD (100 YR.)	0.15 Foot
HIGH WATER ELEV. (100 YR.)	524.2

STA. 116+45.0

SECTION G-1-BR
F.A. RT. 623 U.S. RT. 6
LA SALLE COUNTY

GENERAL PLAN & ELEVATION

CHECKED BY: D. THOMPSON DATE: OCT. 1979
DRAWN BY: D. BOLLOS DATE: NOV. 1979
CHECKED BY: D. HUFFMAN DATE: OCT. 1979
APPROVED BY: DATE:

WILLETT HOFMANN & ASSOCIATES, Inc.
Consulting Engineers

JOB/FILE NO. BRIDGE SHEET NO. 1 OF 6 SHEETS

FOR INFORMATIONAL USE ONLY

Farnsworth GROUP, INC.
2709 McGraw Drive
Bloomington, Illinois 61704
309/663-8435, 309/663-1571 fax

	DESIGNED - JML	REVISED
	CHECKED - MSW	REVISED
	DRAWN - DJM	REVISED
DATE - 11/07/11	CHECKED - MSW	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 050-0184
SHEET NO. B15 OF 20 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G-1) BR-2	LASALLE	48	31
		CONTRACT NO. 66972		
		ILLINOIS	FED. AID PROJECT	

24-8559