B.M. 1
□ Cut in top of N.W. Wing Wall
Sta. 20+86, 32' Rt. of ℄, El. 576.10

B.M. 2
□ Cut in top of S.E. Wing Wall
Sta. 54+85.2, 35' Lt. of ℄, El. 581.23

Existing Structure: #081-0038, 705'-6" Long by 67'-10" Wide at Truss Span & 61'-7" Wide at Girder Spans. Built as S.B.I. Rte. 3, Section 17-B-D-E-F-P at Sta. 24+38.25 in 1948

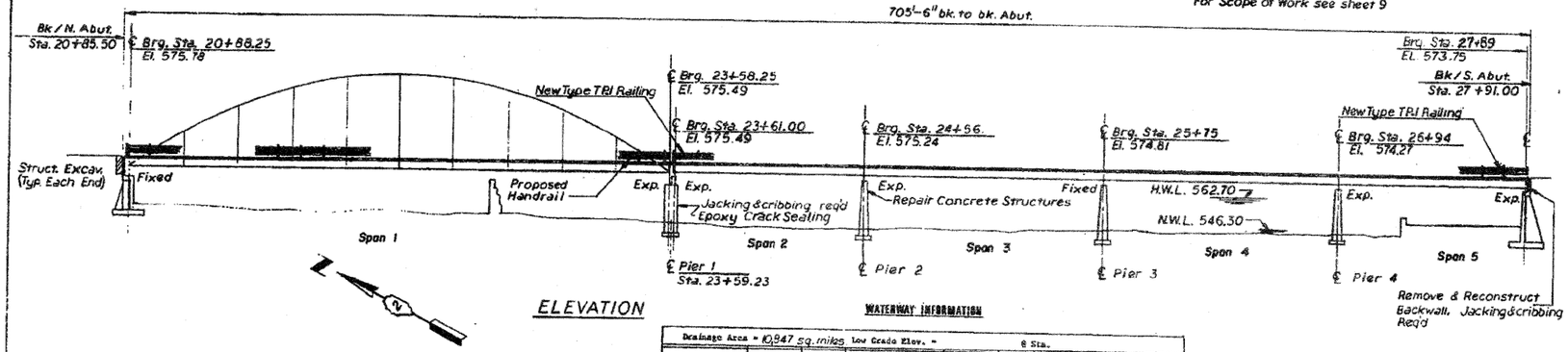
Note:
For Scope of Work see sheet 9

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.RTE 599	17(D)BR	ROCK ISLAND	80	15
FED. ROAD DIST. NO. 7	ILLINOIS	PROJ. BR-F-599(3)		

Sht. 8 of 25

GENERAL NOTES:

1. Fasteners shall be 7/8" diameter high strength bolts. New holes shall be equal to bolt diameter plus 1/16" except as noted; field Ream existing holes for hole alignment.
2. [redacted]
3. Clean all structural steel in accordance with applicable provision of the Standard Specifications. (See Scope of Work on sheet 9)
4. All new bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8". Adjustment shall be made either by grinding the surface - if too high - or by shimming the bearing - if too low. Two 1/8" adjusting shims, of the dimensions of the elastomeric bearing bottom plate shall be provided for each new bearing. (Cost Incidental)
5. All new main load carrying member components subject to tensile stresses shall conform to the supplemental requirements for notch toughness zone 2. These components are all the new bottom cover Plates for Floor Beams FB-2 & FB-3.
6. Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 53 Grade 60.
7. All contact surfaces of joints for the new members of the cross frames shall be free of paint and lacquer.
8. Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
9. The basic lead silico chromate paint system shall be used for shop painting of new structural steel.
10. Existing steel shall be painted using the basic lead silico paint system. Areas cleaned by Method I shall receive a full coat and areas cleaned by Method II shall receive a spot application of dull orange primer. All steel shall receive a full coat of maroon first coat and the interstate green for the final coat.



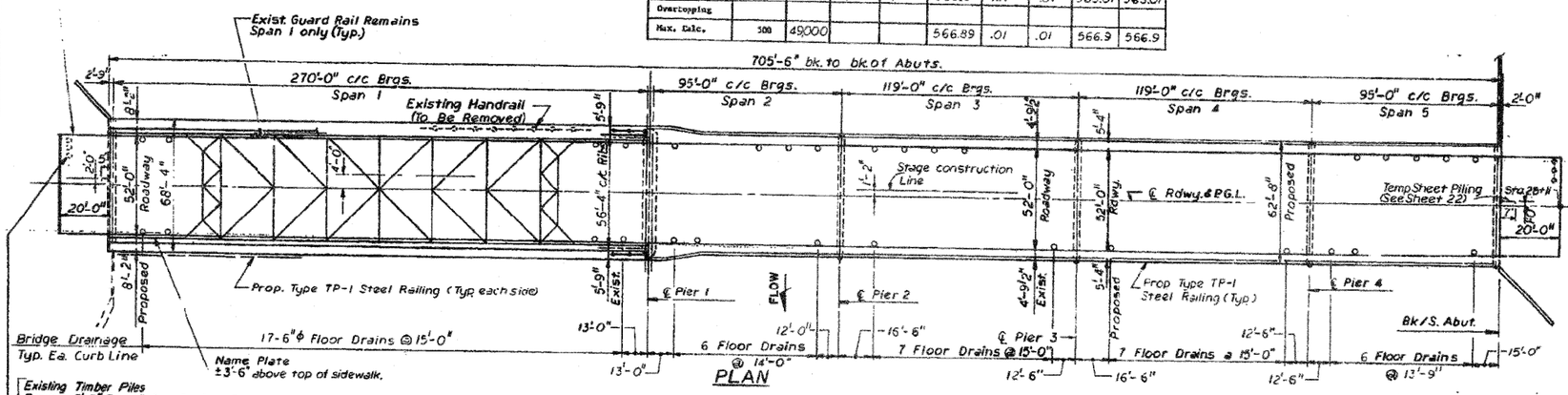
ELEVATION

WATERWAY INFORMATION

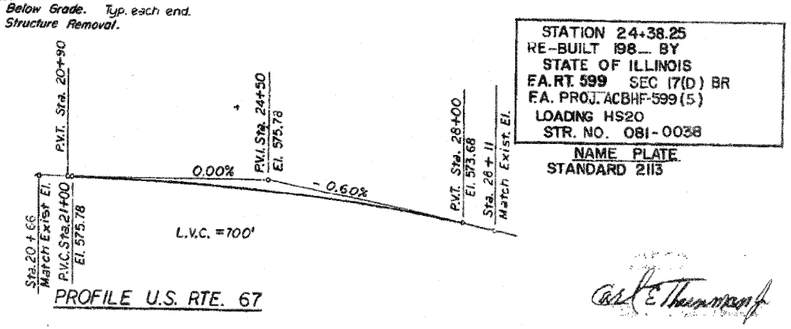
Drainage Area = 10,847 sq. miles Low Grade Elev. = [redacted] ℄ Sta.

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Mat. H.W.E.	Head-Fc. Exist.	Head-Fc. Prop.	Headwater El. Exist.	Headwater El. Prop.
Design	50	24,700	8325	8325	560.87	.01	.01	560.86	560.86
Base	100	31,500	9417	9417	563.0	.01	.01	563.01	563.01
Overtopping									
Max. Calc.	500	49000			566.89	.01	.01	566.9	566.9

Exist. Approach Pav't. Shall be removed. Typ. each end. Proposed Approach Pavement Std. 2382-1



PLAN



PROFILE U.S. RTE. 67

STATION 24+38.25
RE-BUILT 198... BY
STATE OF ILLINOIS
F.A.RT. 599 SEC 17(D) BR
F.A. PROJ. ACBHF-599(5)
LOADING HS20
STR. NO. 081-0038

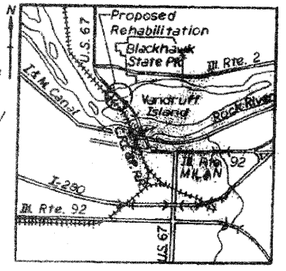
NAME PLATE
STANDARD 2113

DESIGN STRESSES

f'_c = 3,500 p.s.i. - New Concrete Deck
f_y = 60,000 p.s.i. - New Reinf. Bars
f_c = 1,200 p.s.i. - Existing Concrete Substructure
f_s = 18,000 p.s.i. - (A.S.T.M.-A7) Existing Steel
f_s = 20,000 p.s.i. - (A.A.S.H.T.O.-M 183) New Structural Steel

DESIGN SPECIFICATIONS:

A.A.S.H.T.O. 1977 & 1978, 1979, 1980, 1981, 1982 Interims
A.A.S.H.C. 1941 (Existing)
Loading H-20-44 (Existing)
H-S 20-44 (New Construction)



LOCATION PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUB STRUCT.	SUPER STRUCT.	TOTAL
RELOCATE TEMP. CONC. BARRIER	LIN.FT.	—	1014	1014
JACKING AND CRIBBING	L.S.	0.33		0.33
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	—	20	20
TEMP. CONC. BARRIER	LIN.FT.	—	1060	1060
CLEAN & PAINT STEEL BR.	L.S.	—	0.33	0.33
TEMPORARY SHEET PILING	SQ.FT.	201		201
RIVET REM. & REPLACEMENT	EA.	—	17,300	17,300
FLOOR DRAINS	EA.	—	86	86
CLASS X CONCRETE	CU.YDS.	20.5	1240	1260.5
STRUCTURE EXCAVATION	CU.YDS.	156	—	156
REINFORCEMENT BARS	LBS.	4780	—	4780
REINFORCEMENT BARS (EPOXY-COATED)	LBS.	—	279680	279680
NEOPRENE EXP. JOINT (6½")	LIN.FT.	—	69	69
NEOPRENE EXP. JOINT (4")	LIN.FT.	—	64	64
EPOXY CRACK SEALING	LIN.FT.	50	—	50
CONCRETE REMOVAL	CU.YDS.	29	—	29
PREFORMED JOINT SEAL (2½")	LIN.FT.	—	350	350
PROTECTIVE COAT	SQ.YDS.	—	5168	5168
STUD SHEAR CONNECTORS	EACH	—	6840	6840
NAME PLATES	EACH	—	1	1
REMOVAL OF EXIST. CONC. DECK	L.S.	—	0.33	0.33
ADJUST & REPOSITION BRGS.	EACH	—	10	10
STEEL RAILING, TYPE TP-1	LIN.FT.	—	1420	1420
REPAIR OF CONC. STRUC.	SQ. FT.	75	—	75
STRUCTURAL STEEL	POUND	—	22020	22020

STATION 24+38.25
ILLINOIS DIVISION OF HIGHWAYS
F.A. ROUTE 599
PROJECT BR-F-599(3) SECTION 17(D) BR
ROCK ISLAND COUNTY
GENERAL PLAN & ELEVATION
U.S. 67 OVER ROCK RIVER NORTH CHANNEL

Designed By: G.E.S.	Drawn By: A.W.R.	Quantities By: A.W.R.
Checked By: M.G.B.	Checked By: G.E.S.	Checked By: G.E.S.

TORNROSE, CAMPBELL & ASSOCIATES

FILE NAME =	USER NAME = linkdj	DESIGNED -	REVISED -
O:\BR\Bridge Painting\Contracts\PAINTING\2012-1\PLANeng.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.0138 ' / in.	CHECKED -	REVISED -
	PLOT DATE = Wed Jan 25 14:23:31 2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: ___ SHEET NO. __ OF __ SHEETS STA. ___ TO STA. ___

CONT. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
var	02 Bridge Painting 2012-1	var	24	8
		CONTRACT NO. 64H86		
	ILLINOIS	FED. AID PROJECT		