

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROJECT NO.	DATE	BY	REV.	SHEET NO.
PERRY	3/4	8		30 SHEETS

Bench Mark: "a" in top of hubguard 10' Rt. of Sta. 879+77, Elev. 379.32
 Exst. Structure: 4073-0023, Built in year 1927 as SB1 Route 152, Section 104B
 of Sta. 904+29. B.R.C.D.G. spans at 53' and a 160' long Penn Truss span.
 Total length bk. to bk. abut. 586'. C. to C. water table 24'. The Contractor
 shall remove the existing superstructure and replace it with a new one
 consisting of 24" deep wide flange beams and 7 1/2" concrete deck.
 Existing substructure elements shall be repaired as necessary and
 widened as shown.
 Traffic shall be maintained by utilizing Stage Construction.

GENERAL NOTES

1. The Contractor shall provide all necessary data for the design of the bridge, including but not limited to, soil test reports, hydrological data, and existing structure details. The Contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.

2. The bridge shall be constructed in accordance with the latest edition of the AASHTO M 222 Structural Steel Bridge Specifications, 334,420 Pounds. The Contractor shall use the minimum strength steel specified in the specifications, unless otherwise noted.

3. The bridge shall be constructed on steel H-piles. The Contractor shall provide all necessary details for the connection of the piles to the bridge structure. The Contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.

4. The bridge shall be constructed in accordance with the latest edition of the AASHTO M 222 Structural Steel Bridge Specifications, 334,420 Pounds. The Contractor shall use the minimum strength steel specified in the specifications, unless otherwise noted.

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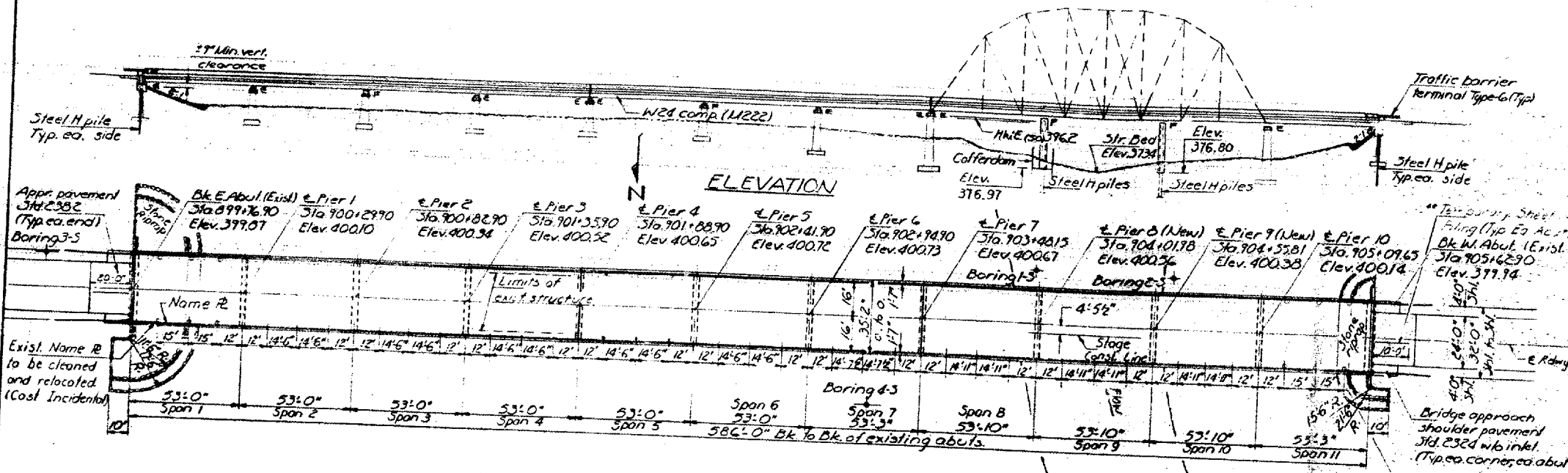
6. The bridge shall be constructed in accordance with the latest edition of the AASHTO M 222 Structural Steel Bridge Specifications, 334,420 Pounds. The Contractor shall use the minimum strength steel specified in the specifications, unless otherwise noted.

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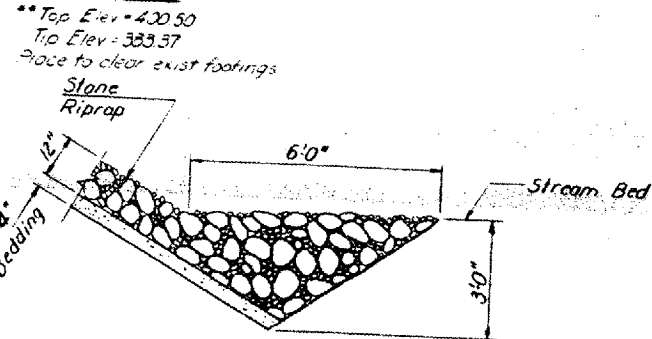
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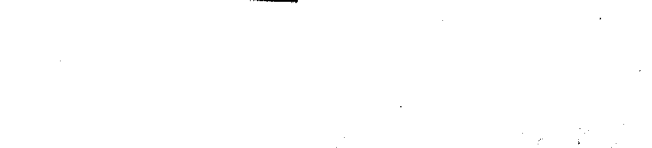
PLAN



STATION 904+29.00
 BUILT 198 BY
 STATE OF ILLINOIS
 F.A.R.T. 865 SEC. 104BC-BR
 LOADING HS 20
 STR. NO. 073-0023

NAME PLATE
 (See Sid. 2113)

STONE RIPRAP ANCHOR DETAIL



TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		63	63
Structure Excavation	Cu. Yd.		125	125
Floor Drains	Each	66		66
Protective Coat	Sq. Yd.	2571		2571
Class X Concrete	Cu. Yd.	620.6	2277	848.3
Structural Steel	Lump Sum	1		1
Stud Shear Connectors	Each	10275		10275
Reinforcement Bars	Pound		24860	24860
Reinforcement Bars (Epoxy Coated)	Pound	168100		168100
Steel Piles HPI0x42	Lin. Ft.		1688	1688
Test Piles Steel HPI0x42	Each		2	2
Name Plates	Each	1		1
Stone Riprap	Yard		251	251
Temporary Bridge Rail	Lin. Ft.	628		628
Neoprene Expansion Joint 2"	Lin. Ft.	102		102
Neoprene Expansion Joint 4"	Lin. Ft.	34		34
Elastomeric Bearing Assembly Type I	Each			
Collardam Excavation				
Collardams				
Temporary Steel Piling				

FOR INFORMATION ONLY:

BRIDGE NO. 3 STRUCTURE 073-0023

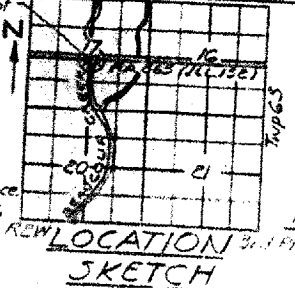
GENERAL PLAN
 ILL. RTE 152 OVER
 BEAUCOUP CREEK
 F.A.R.T. 865 SEC. 104BC-BR
 PERRY COUNTY
 STA 904+29

WATERWAY INFORMATION

Flood	Prop. Yr.	Q CFS	Opening Sq. Ft.		Nat. Head - Ft.	Headwater El.
			Exist.	Prop.		
Main Channel	50	14800	4294	4507	.68	.64
			19500	5964		
Overflow	100	5800	1797	1797	.85	.69
			22700	6177		
Main Channel	100	16700	4362	4890	.85	.69
			16500	4350		
Overflow	100	3500	1776	1776	.85	.69
			22700	6177		

DESIGN STRESSES

$f_c = 3500$ psi
 $f_y = 50,000$ psi (St. Steel) M-222
 $f_y = 60,000$ psi (Reinforcement)
 Allow 25#sq ft. for future wearing surface.
 Design Specifications: 1993 AASHTO.



DESIGNED: *[Signature]*
 CHECKED: *[Signature]*
 DRAWN: R.D. JS
 EXAMINED: *[Signature]*
 PASSED: *[Signature]*
 APPROVED: *[Signature]*