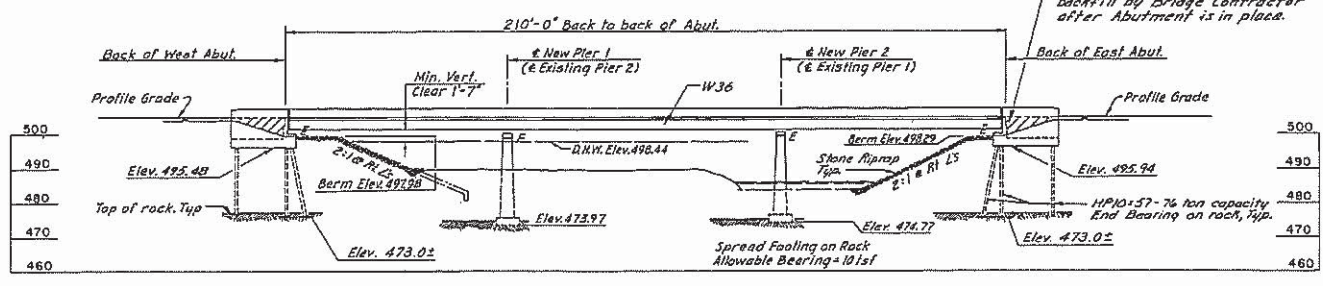


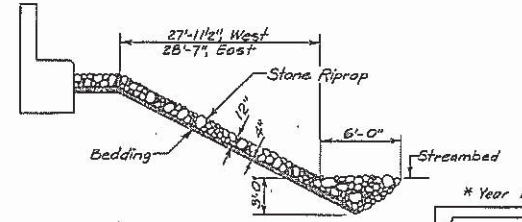
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 53.	23 BR	HANCOCK	58	01
FED. ROAD DIST. NO. 7	ILLINOIS	FEDERAL AID PROJECT NO.		

Existing Structure Data:
 The existing structure, built in 1956, carries one lane of traffic in each direction over Hamilton Slough. It is a three span, continuous rolled beam bridge with reinforced concrete deck and abutments and reinforced concrete solid piers. Back to back of abutment is 210 feet.



ELEVATION

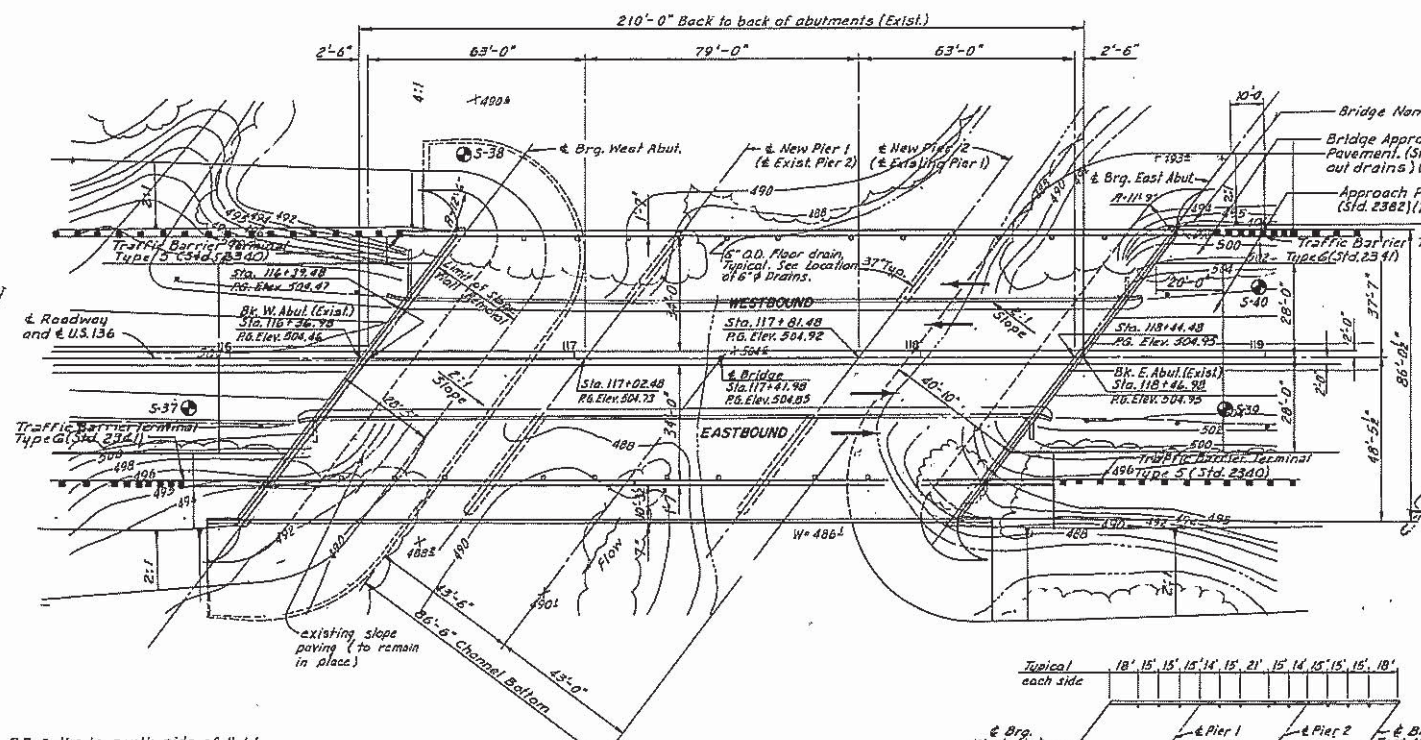
Note:
 Top of rock taken from 'as built' drawings and 1982 borings.



STONE RIPRAP DETAIL

* Year bridge is completed
 STATION 117+41.98
 BRIDGE # 117
 F.A. RT 53 SEC. 23 BR
 F.A. PROJ. BR-53(47)
 LOADING H520
 STR. NO. **

BRIDGE NAME PLATE
 (Std 2113)
 ** STR. NO shall be provided by the Engineer.



PLAN

WATERWAY INFORMATION

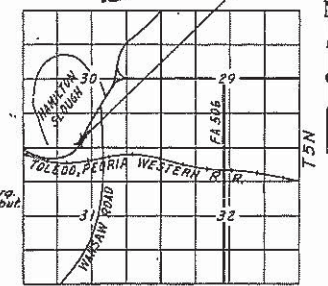
Drainage Area 10.26 sq. miles Low Grade Elev. 502.8 @ Sta. 110+30

Flood	Freq. Yr.	C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	50	4300	866	866	498.44	0	0	498.44	498.44
Base	100	5000	884	884	498.54	0	0	498.54	498.54
Overtopping (400%)	5	2000	848	848	498.34	0	0	498.34	498.34
Max. Calc.	500	6550	902	902	498.64	0	0	498.64	498.64

Bank Full Design Flood = 2000 cfs

The structure is sized as an overflow structure for the Mississippi River. Total waterway opening under low beam is about 1130 ft². Due to the configuration of the upstream flood plain, overland flow to the Mississippi River occurs when the channel banks fill with a 5 year or greater flood. The flow conditions reported are based upon headwater conditions only. (When the Mississippi River is not in flood stage.)

APPROVED
 FOR STRUCTURAL ADEQUACY ONLY
James J. Kavanagh
 Engineer of Bridge and Structures



LOCATION SKETCH

SIGNED: *Paul L. Heineman*
 DATE: 11/28/24
 PAUL L. HEINEMAN S.E. ILL. REG. NO. 01-3117

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
GENERAL PLAN AND ELEVATION
 F.A. ROUTE 53, SECTION 23BR
 HANCOCK COUNTY
 STA. 117 + 41.98
 U.S. 136 OVER HAMILTON SLOUGH

HNTB
 MADE G.D. DATE 7-20-82 CHECKED DLM DATE 6-15-83