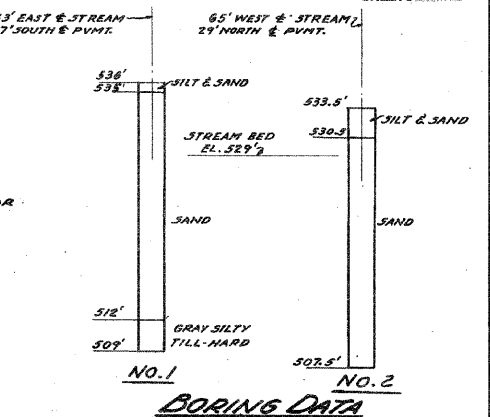
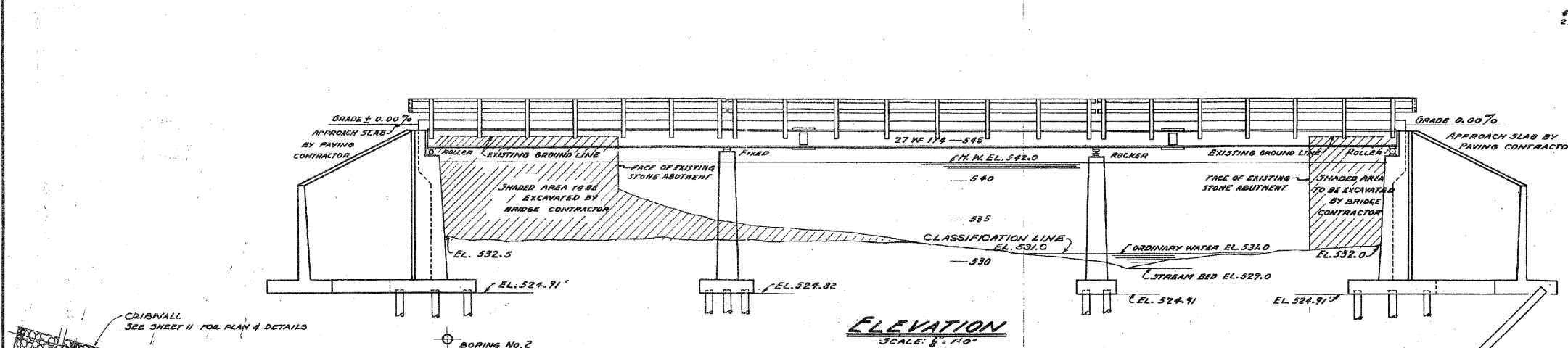
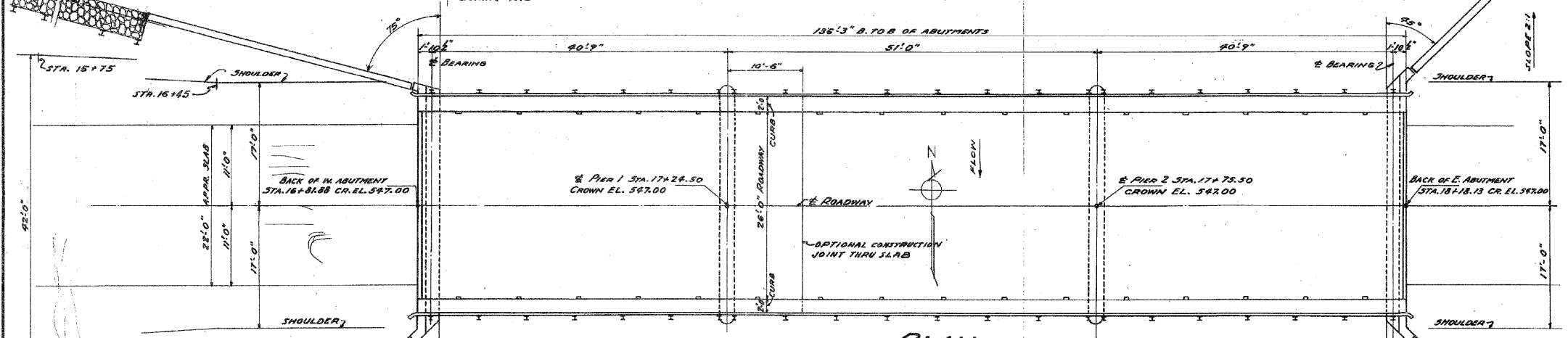


D.M. 7/3 TOP OF CORNER POST @ N.W. CORNER
RT. OF STATION 21+21, ELEV. 546.77
EXISTING BRIDGE - SEE SHEET FOR SKETCH & DESCRIPTION.

ROUTE NO.	SIC	COUNTY	TOTAL SHEETS	SHEET NO.
504	313	Vermilion	20	3
SHEET No. 3				



BORING DATA
NOTE: BORING DATA ARE SHOWN ON THE PLANS ONLY AS A GUIDE TO BIDDERS IN ESTIMATING SOIL CONDITIONS THAT MAY BE ENCOUNTERED IN THE FIELD AND ARE NOT GUARANTEED



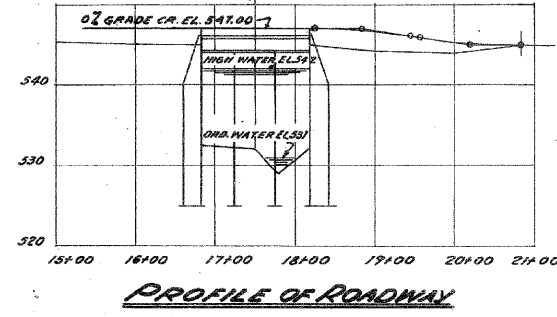
GENERAL NOTES
CLASS X CONCRETE SHALL BE USED EXCEPT IN PIERS WHICH SHALL BE CLASS A CONCRETE. THE CONCRETE FLOOR SHALL BE POURED IN ONE CONTINUOUS POUR BETWEEN CONSTRUCTION JOINTS SHOWN AND SHALL BE FINISHED IN ACCORDANCE WITH ART. 81.3 (2) OF THE STANDARD SPECIFICATIONS. NO ADDITIONAL CONSTRUCTION IT WILL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.
ALL CONNECTIONS SHOP AND FIELD SHALL BE RIVETED EXCEPT AS SHOWN. ALL RIVETS TO BE 3/4" IN 1/4" HOLES EXCEPT IN BEAM FLANGE SPLICES WHICH SHALL BE 3/4" IN 1/4" HOLES.
ALL BEAM SPLICES SHALL BE SUB PUNCHED 1/8" AND REAMED TO CORRECT SIZE WITH 3 JOINING SECTIONS OF A LINE ASSEMBLED IN PROPER RELATIVE POSITIONS. BEAMS SHALL BE LEFT ASSEMBLED FOR SHOP INSPECTION.
ALL ROLLERS, ROCKERS, BEARING PLATES, SHIM PLATES, LEAD PLATES, AND ANCHOR BOLTS SHALL BE PLUNGED, PAINTED AND SET IN ACCORDANCE WITH ART. 34.3 (C) OF THE STANDARD SPECIFICATIONS, AND ARE INCLUDED FOR PAYMENT AS STRUCTURAL STEEL, ESTIMATED WT.: 6770 LBS. ANCHOR BOLTS SHALL BE SET BEFORE RIVETING DIAPHRAGMS OVER ABUTMENTS AND PIERS.
THE CONTRACTOR SHALL DRIVE TIMBER TEST PILES AS DIRECTED BY THE ENGINEER BEFORE ORDERING REMAINDER OF PILES. TIMBER TEST PILES NEED NOT BE DRIVEN AT THE LOCATION OF PERMANENT TIMBER PILES IF THEY ARE NOT DRIVEN WITHIN THE AREA OF THE FOOTING.
Structural steel shall receive one shop coat of red lead paint & two field coats of aluminum paint. All paint shall be furnished and applied by the contractor.

STATION - 17+50
BUILT 1951
F.A.S. RTE. 504-SIC 313
F.A. PROJECT 5-72 (2)
LOADING H20-516

SEE STATE OF ILLINOIS STANDARD 1883
LETTERING ON NAME PLATE

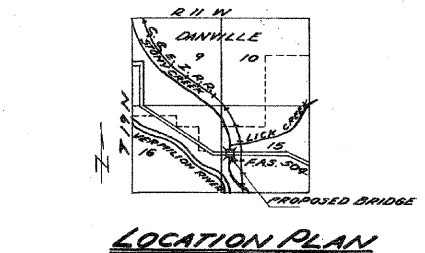
WATERWAY INFORMATION
DRAINAGE AREA 34,000 ACRES
CHANNEL OPENING 181' 0"
PROPOSED OPENING 132' 0"
C-IN-TALBOT FORMULA 0.45

APPROVED *W. C. D... 1-9-51*
COUNTY SUPERVISOR OF ILLINOIS
EXAMINED *W. F. B... 3-26-51*
BRIDGE ENGINEER
PASSED
ENGINEER OF DESIGN
APPROVED
CHIEF HIGHWAY ENGINEER



TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB.	TOTAL
CLASS X CONCRETE	CU. YDS.	107.0	337.4	445.2
CLASS A CONCRETE	CU. YDS.		129.0	129.0
STRUCTURAL STEEL	LBS.	112,350		112,350
REINFORCEMENT BARS	LBS.	20,020	36,280	56,280
UNTREATED TIMBER PILING (20" LG)	LIN. FT.		2180	2180
UNTREATED TIMBER PILING (15" LG)	LIN. FT.		945	945
TIMBER TEST PILES	EACH		4	4
METAL PILE SHOES	EACH		176	176
CRIB WALL	LIN. FT.		100	100
NAME PLATE	EACH		1	1
REMOVAL OF EXISTING STRUCTURE	EACH		1	1
CHANNEL EXCAVATION	CU. YDS.			2515
TREE REMOVAL (6" TO 15" DIA)	IN. DIA.			37
TREE REMOVAL (OVER 15" DIA)	IN. DIA.			222
CLASS A EXCAVATION FOR STRUCTURES	CU. YDS.			900
CLASS X EXCAVATION FOR STRUCTURES	CU. YDS.			800



DESIGN STRESSES
J2 1200 1/2" JUNIOR
J3 300 1/2" JUNIOR
J4 2000 1/2" SENIOR
J5 1800 1/2" SENIOR
J6 1900 1/2" SENIOR
DESIGN LOADING - H20-516-44

ALFRED BENESCH & ASSOCIATES
CONSULTING ENGINEERS
30 EAST ADAMS ST. CHICAGO 3, ILL.

**PLAN AND ELEVATION
STONY CREEK BRIDGE**
PROJECT 5-72 (2)
F.A.S. RTE. 504-SIC 313
SECTION 31-B
VERMILION COUNTY
STA. 17+50