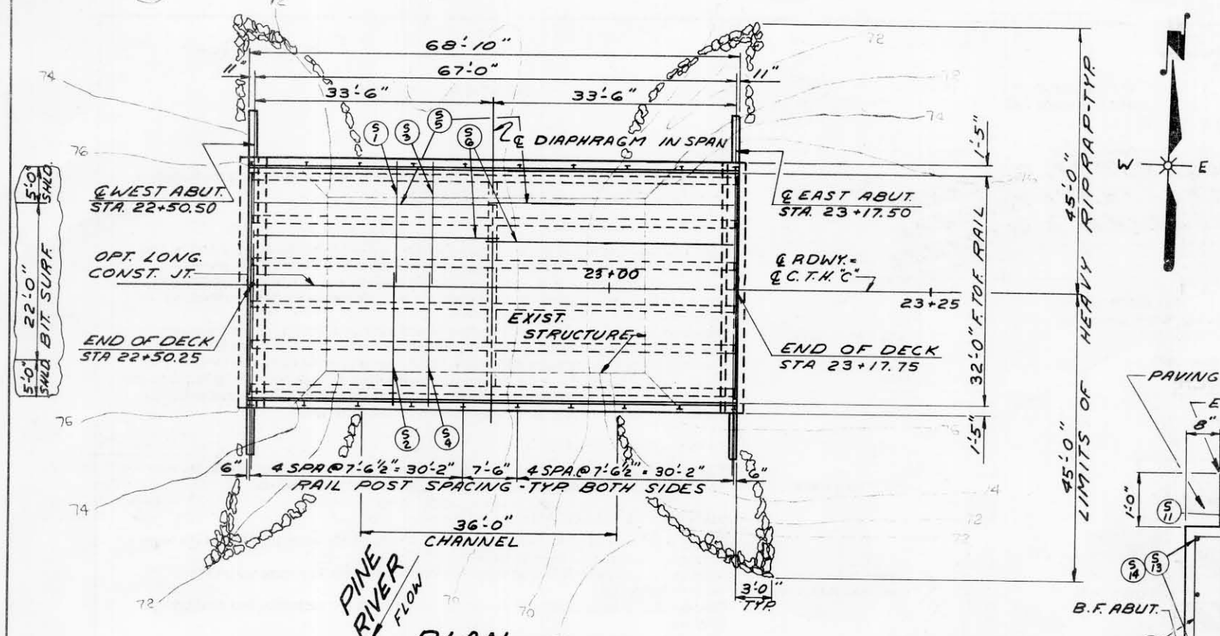
FORM E-B-11-62

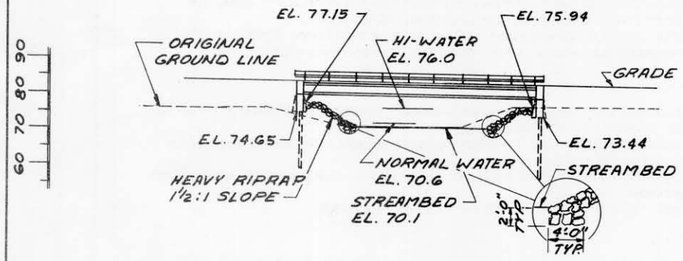
COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & AGREEMENT STATE	CLASS & AGREEMENT FEDERAL	B.P.R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
35.6	192.0		3.12	4	S0192(6)	6	18

9407-1-70

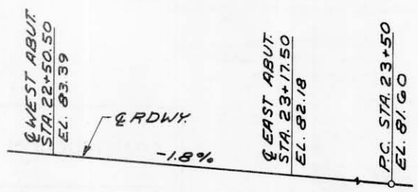


PLAN

SINGLE SPAN 36" PRESTRESSED GIRDER SUPERSTRUCTURE.



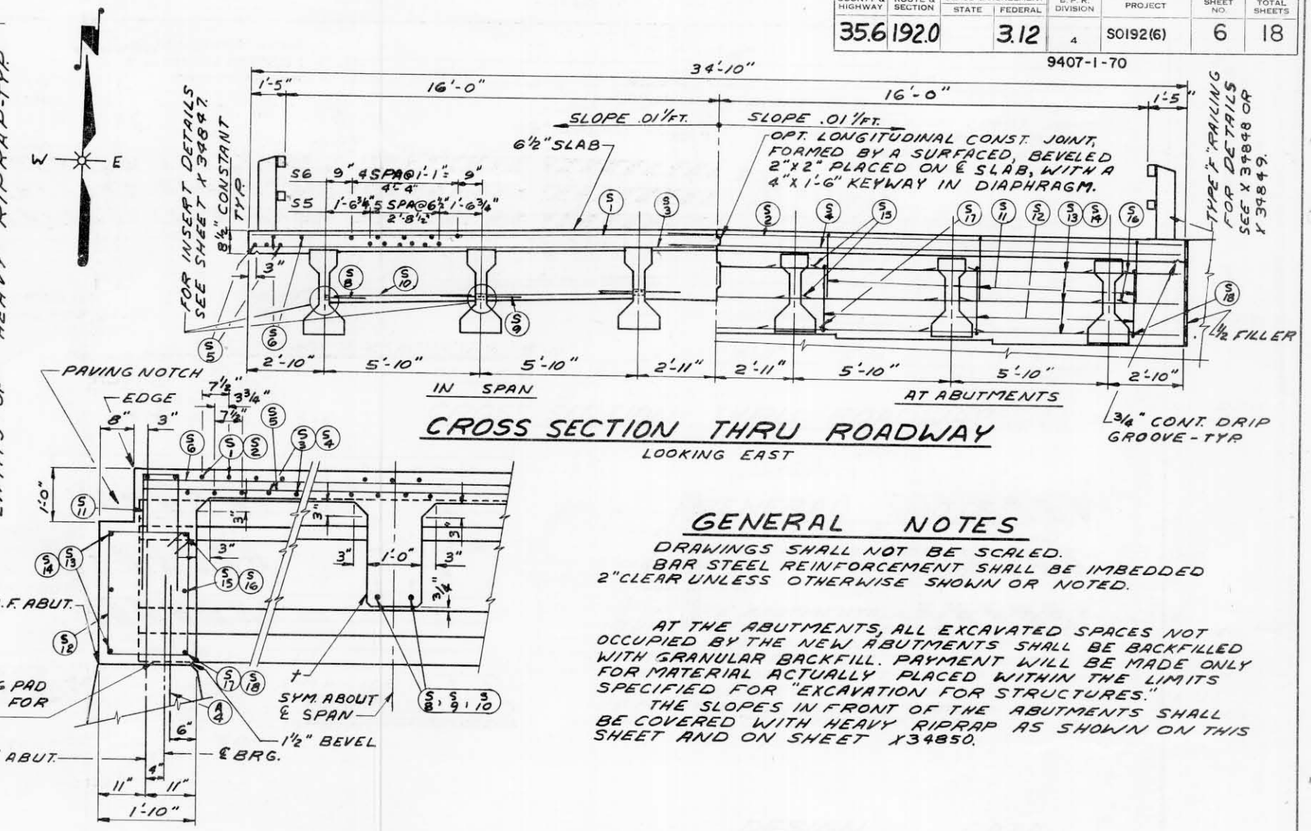
ELEVATION



PROFILE GRADE LINE - C.T.H. "C"

BENCH MARK

NO.	STATION	DESCRIPTION	ELEV.
2	21+16	SPIKE IN 6" POPLAR 94' LT.	75.17



CROSS SECTION THRU ROADWAY

LOOKING EAST

HYDRAULIC DATA

WATERWAY AREA = 265 S.F.

TRAFFIC DATA

A.D.T = 285

PART LONGITUDINAL SECTION

TOTAL ESTIMATED QUANTITIES

	BID ITEMS	UNIT	SUPER.	W. ABUT.	E. ABUT.	TOTAL
	REMOVING OLD BRIDGE	LUMP SUM				1
	EXCAVATION FOR STRUCTURES	C.Y.		15	30	45
	GRANULAR BACKFILL	C.Y.		5	10	15
	CONCRETE MASONRY	C.Y.	63.3	21.0	21.0	105.3
	BAR STEEL REINFORCEMENT	LB.	18,010	1,040	1,040	20,090
	PRESTRESSED GIRDER, 36" I TYPE	L.F.	404			404
*	TREATED TIMBER TEST PILING	LUMP SUM				1
	TREATED TIMBER PILING, DELIVERED	L.F.		245	245	490
	TREATED TIMBER PILING, DRIVEN	L.F.		245	245	490
	BEARING PADS	S.F.	12			12
	HEAVY RIPRAP	C.Y.		110	110	220
	TUBULAR RAILING, TYPE "F"	L.F.	144			144
	NON-BID ITEMS					
	FILLER	SIZE	¼" x ½"			¼" x ½"

* 2-45'-0" TREATED TIMBER TEST PILES REQ'D. DRIVE ONE 45'-0" TEST PILE AT EACH ABUTMENT.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

AT THE ABUTMENTS, ALL EXCAVATED SPACES NOT OCCUPIED BY THE NEW ABUTMENTS SHALL BE BACKFILLED WITH GRANULAR BACKFILL. PAYMENT WILL BE MADE ONLY FOR MATERIAL ACTUALLY PLACED WITHIN THE LIMITS SPECIFIED FOR "EXCAVATION FOR STRUCTURES."
THE SLOPES IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AS SHOWN ON THIS SHEET AND ON SHEET X34850.

DESIGN DATA

LIVE LOAD
H-20

ALLOWABLE DESIGN STRESSES
CONCRETE MASONRY, GRADE "AA" f_c = 1,400 P.S.I.
BAR STEEL REINFORCEMENT f_s = 20,000 P.S.I.
PRESTRESSED GIRDERS
CONCRETE MASONRY f'_c = 6,000 P.S.I.
STRANDS - ½" ϕ WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA
THE ABUTMENTS ARE TO BE SUPPORTED ON TREATED TIMBER PILES, ESTIMATED 35'-0" LONG AND DRIVEN TO A MINIMUM BEARING CAPACITY OF 24 TONS PER PILE.

SUPERSTRUCTURE NOTES

TOP AND BOTTOM TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS ON OR ADJACENT TO EACH GIRDER AND BY INDIVIDUAL BAR CHAIRS AT 3'-0" CENTERS APPROXIMATELY MIDWAY BETWEEN GIRDERS.
† DIAPHRAGM TO EXTEND BETWEEN INSIDE FACES OF EXTERIOR GIRDERS.

LIST OF DRAWINGS

1. GENERAL PLAN & SUPERSTRUCTURE X34846
2. 36" PRESTRESSED GIRDER DETAILS X34847
3. ALUMINUM RAILING, TYPE "F" X34848
4. STEEL RAILING, TYPE "F" X34849
5. ABUTMENTS X34850
6. BILL OF BARS X34851
7. SUBSURFACE EXPLORATION X34852

REVISED

STATE HIGHWAY COMMISSION OF WISCONSIN
GENERAL PLAN & SUPERSTRUCTURE
CO. LINCOLN WATER WAY TWN. SCHLEY STA. 22+50.00
SECTION 23 & 26 TOWN 32 N RANGE 8E
DESIGN SPEC. AASHO '65 LOADING H-20 CONST. SPEC. 1969
DATE 4-22-66 DESIGN J.R.P. DRAWN PAGE CKD. W.C.
APPROVED W. A. Kline 2-24-69 CHIEF BRIDGE ENGINEER

STRUCTURE B-35-16 SHEET 1 OF 7

X34846