

COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & AGREEMENT	B. P. R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
35.6	1182.0	11.2	4	51182(2)	5	13

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
 BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
 BEVEL EXPOSED EDGES 1" UNLESS SHOWN OR NOTED OTHERWISE.
 JOINT FILLER SHALL CONFORM TO A.A.S.H.O. DESIGNATION M153, TYPE 1.
 AT PAVING NOTCH PROVIDE 3" x 12" PLANK BY WIDTH OF ROADWAY. 3/4" DIAMETER BOLTS WITH THREADED INSERTS LOCATED 5" BELOW ROADWAY SURFACE AND PLACED AT APPROXIMATELY 3'-0" CENTERS SHALL ATTACH PLANK TO CONCRETE. BOLTS AND PLANK SHALL BE REMOVED WHEN PLACING APPROACH SLAB CONCRETE. (NON-BID ITEM)
 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 AT APPROXIMATELY THE 1/3 POINTS BETWEEN GIRDERS.
 ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.
 CYLINDRICAL TYPE STEEL PILE SHELLS, IF USED, SHALL HAVE A MINIMUM NOMINAL (AVERAGE) SHELL THICKNESS OF 0.219 INCH AND CONFORM TO THE REQUIREMENT OF A.S.T.M. DESIGNATION A252, GRADE 2. FLUTED PILES, IF USED, SHALL HAVE A MINIMUM SHELL THICKNESS OF NOT LESS THAN #5 GAUGE.
 PILE SPLICES AT PIERS, IF USED, SHALL BE MADE BY A CERTIFIED WELDER.
 THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH MEDIUM RANDOM RIPRAP TO THE EXTENT SHOWN ON THIS SHEET AND IN THE ABUTMENT DETAILS.
 AT ABUTMENTS THE UPPER LIMIT FOR "EXCAVATION FOR STRUCTURES" SHALL BE AS SHOWN ON X36681.
 AT ABUTMENTS ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH GRANULAR BACKFILL. PAYMENT WILL BE MADE ONLY FOR MATERIAL ACTUALLY PLACED WITHIN THE LIMITS FOR "EXCAVATION FOR STRUCTURES".

DESIGN DATA

LIVE LOAD H20
 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 GIRDER
 CONCRETE MASONRY $f_c = 6,000$ p.s.i.
 STRANDS - 1/2" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 p.s.i.

FOUNDATION DATA

PLACE ABUTMENTS ON TREATED TIMBER PILING DRIVEN TO 24 TONS/PILE MINIMUM BEARING. ESTIMATED PILE LENGTH 30 FEET.
 PLACE PIER ON 14" DIA. CAST-IN-PLACE CONCRETE PILING DRIVEN TO 50 TONS/PILE MINIMUM BEARING. ESTIMATED PILE LENGTH 40 FEET.

TOTAL ESTIMATED QUANTITIES

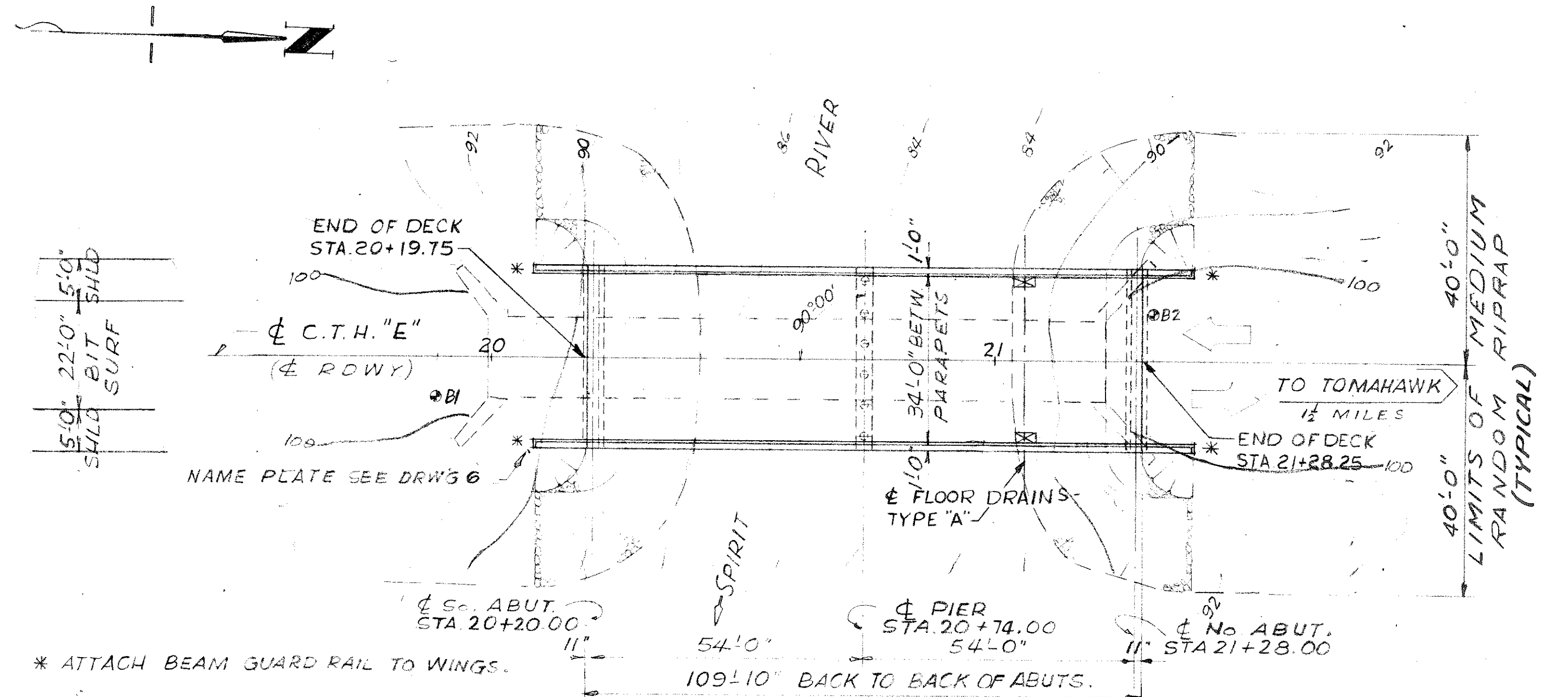
BID ITEM	UNIT	SUPER	S. ABUT.	PIER	N. ABUT.	TOTAL
REMOVING OLD BRIDGE STA. 20+74.00	L.S.					1
EXCAVATION FOR STRUCTURES	C.Y.		15		35	50
GRANULAR BACKFILL	C.Y.		10		20	30
CONCRETE MASONRY	C.Y.	134.9	31.4	10.1	31.4	207.8
PRESTRESSED GIRDER I TYPE, 36 INCH	L.F.	433				433
BAR STEEL REINFORCEMENT	L.B.	40,150	1,620	1,650	1,620	45,040
BEARING PADS, ELASTOMERIC	S.F.	20				20
TREATED TIMBER TEST PILING	L.S.					1
TREATED TIMBER PILING, DELIVERED	L.F.		270		270	540
TREATED TIMBER PILING, DRIVEN	L.F.		270		270	540
CAST-IN-PLACE CONCRETE TEST PILING	L.S.					1
CAST-IN-PLACE CONC. PILING, DELIVERED	L.F.			200		200
CAST-IN-PLACE CONC. PILING, DRIVEN	L.F.			135		135
TUBULAR RAILING, TYPE "G"	L.F.	249				249
FLOOR DRAINS, TYPE "A"	EA.	2				2
MEDIUM RANDOM RIPRAP	C.Y.		100		110	210
NON-BID ITEM						
1/8" ALUMINUM OR ZINC PLATE	S.F.	15				15
FILLER	SIZE	4 1/2"				4 1/2"
3 x 12 HARDWOOD PLANK AND HARDWARE	L.F.	66				66

Ø2-45 FOOT PILES REQUIRED. DRIVE ONE AT EACH ABUTMENT.
 ØØ1-60 FOOT PILE REQUIRED. DRIVE AT PIER.

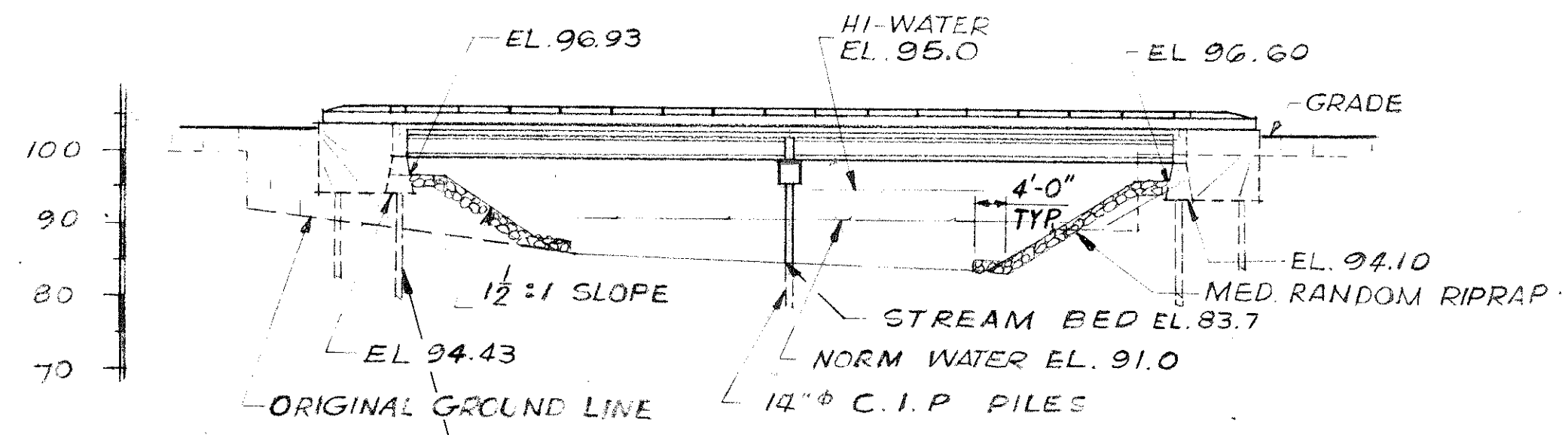
LIST OF DRAWINGS

- GENERAL PLAN _____ X36675
- SUPERSTRUCTURE _____ X36676
- 36" PRESTRESSED GIRDER DETAILS _____ X36677
- FLOOR DRAIN DETAILS _____ X36678
- DETAILS FOR TYPE "G" TUBULAR ALUMINUM & STEEL RAILING _____ X36679
- RAIL PARAPET DETAILS _____ X36680
- PIER AND ABUTMENTS _____ X36681
- BILL OF BARS _____ X36682
- SUBSURFACE EXPLORATION _____ X36683

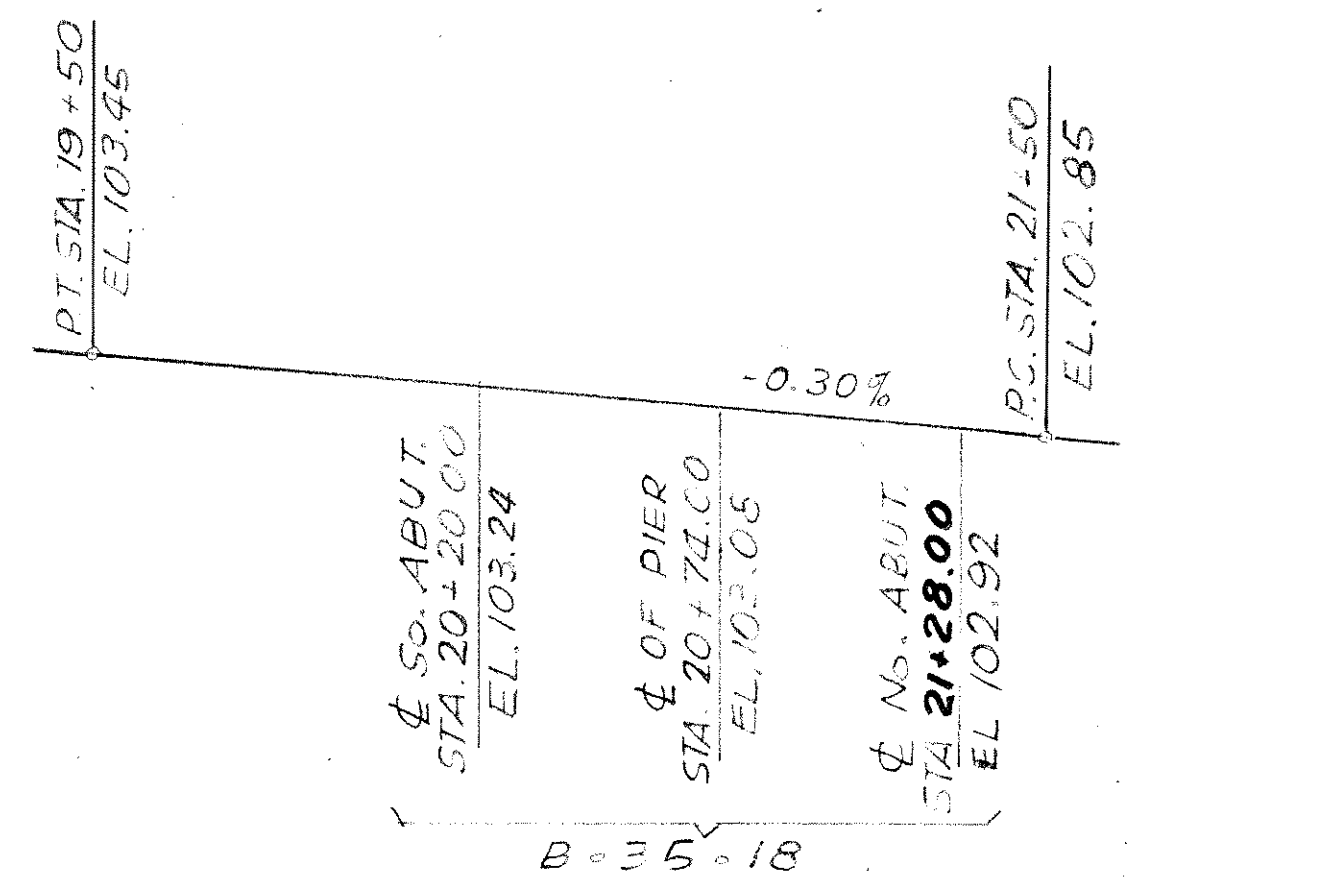
REVISED	STATE HIGHWAY COMMISSION OF WISCONSIN		
	GENERAL PLAN		
	CO. LINCOLN	TOWN BRADLEY	STA. 20+74.00
	SECTION 16	LOADING 34N	RANGE 6E
	DESIGN SPEC: AASHO '61	LOADING H20	CONC. SPEC: 1963
	DATE 1/12/67	DESIGN CRD	DRAWN PAGE CRD. F.R.V.V.
	RECOMMENDED	CHIEF BRIDGE ENGINEER	
	APPROVED	STATE HIGHWAY ENGINEER	
	STRUCTURE B-35-18	SHEET 1 OF 9	



PLAN LAYOUT B-35-18
 2 SPAN CONTINUOUS PRESTRESSED GIRDER SUPERSTRUCTURE.



TREATED TIMBER PILES-TYP ELEVATION



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