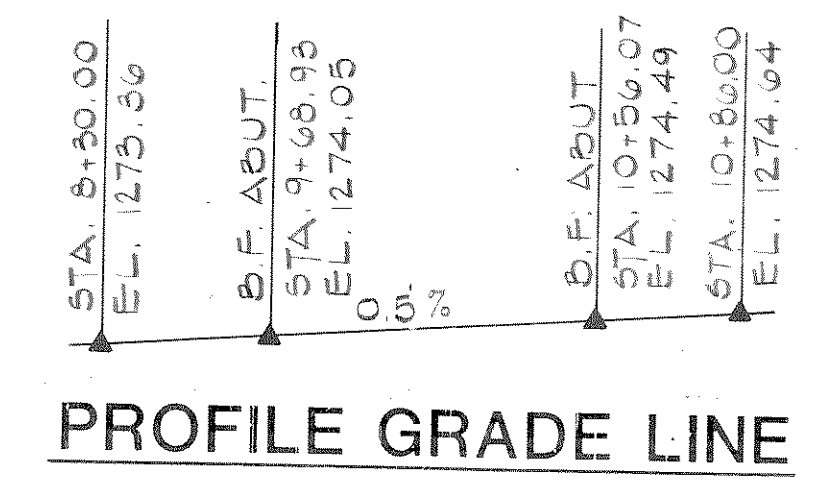
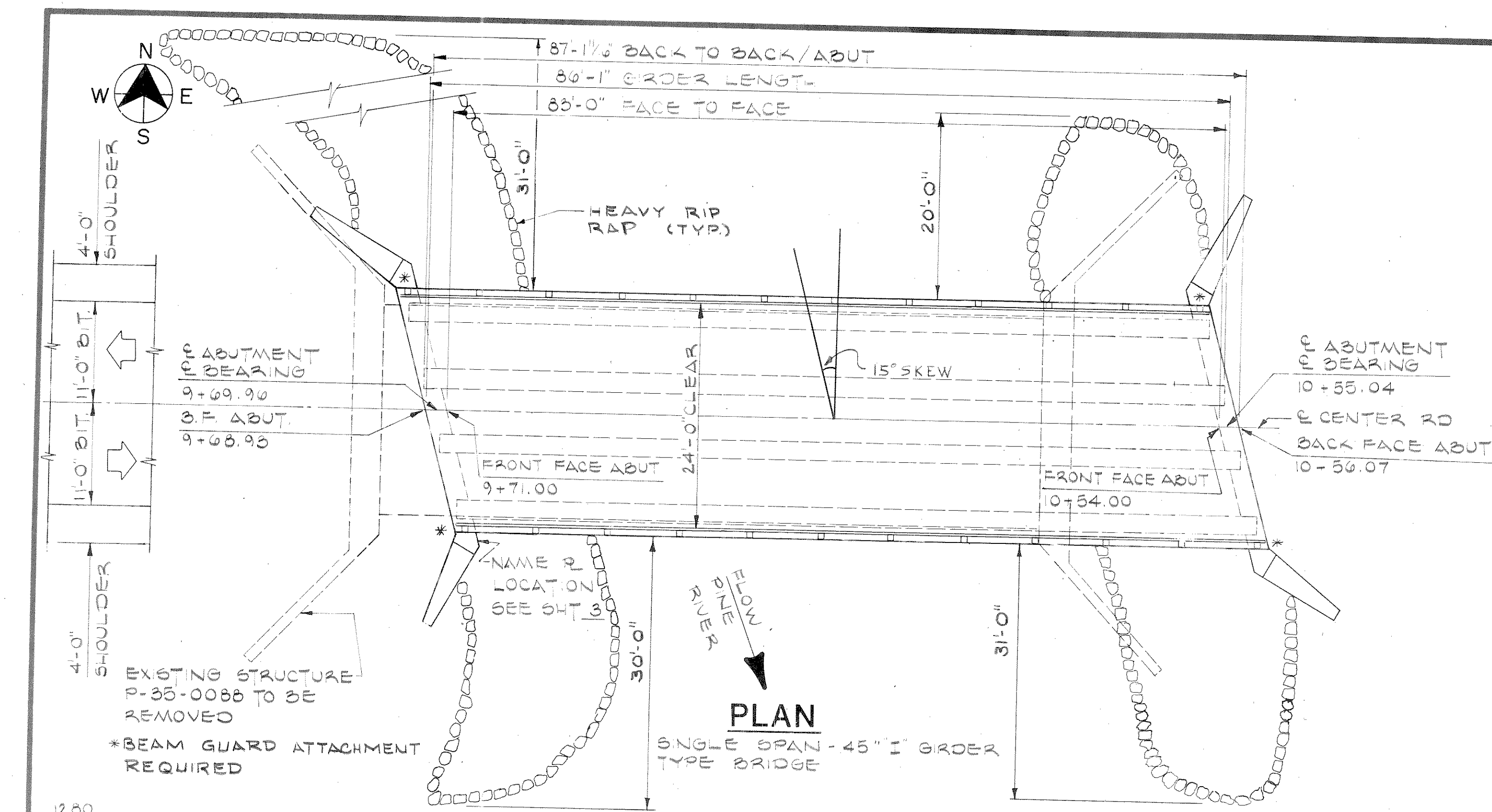


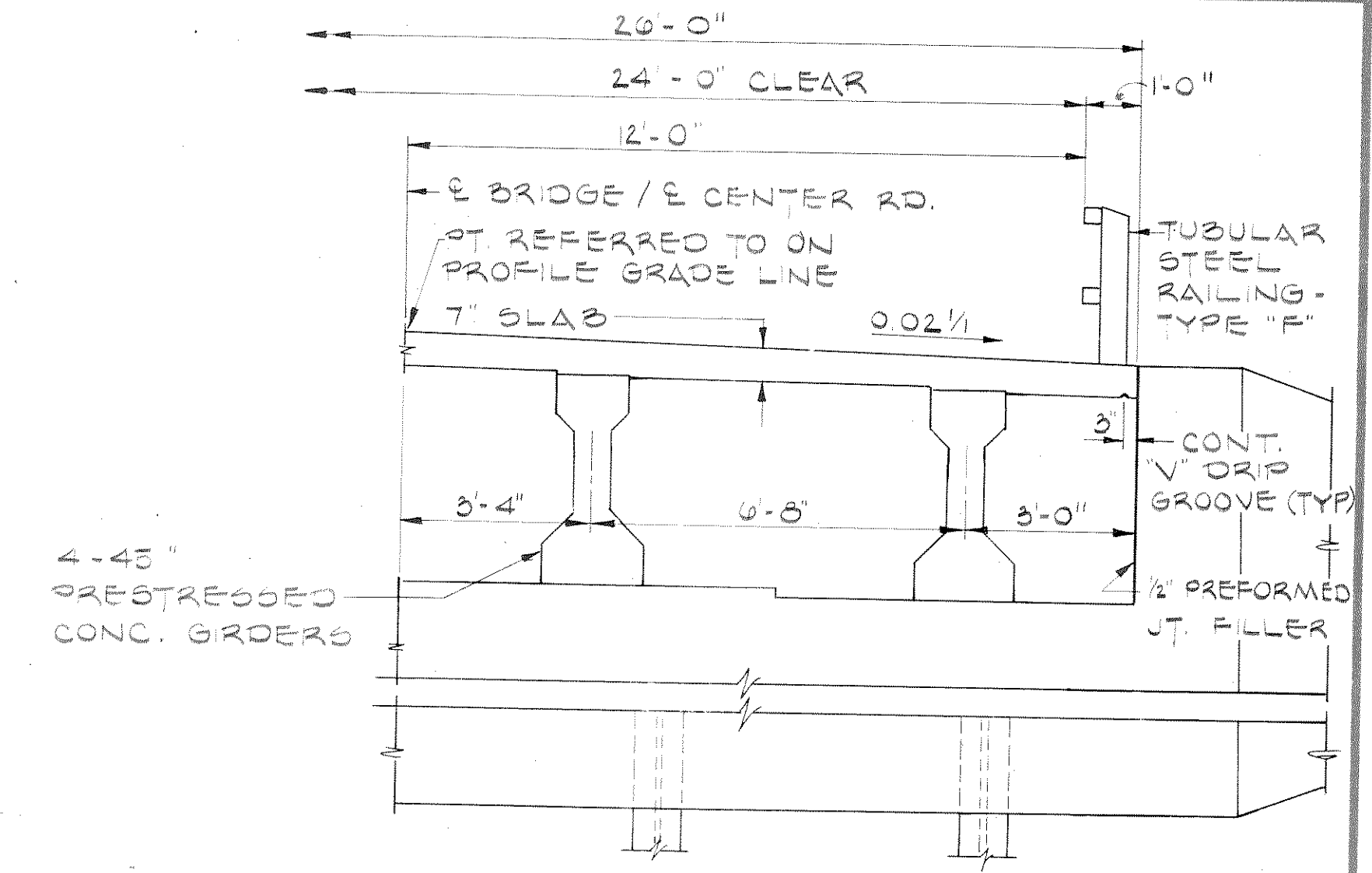
FINAL PLANS 1-21-86



**TRAFFIC VOLUME**

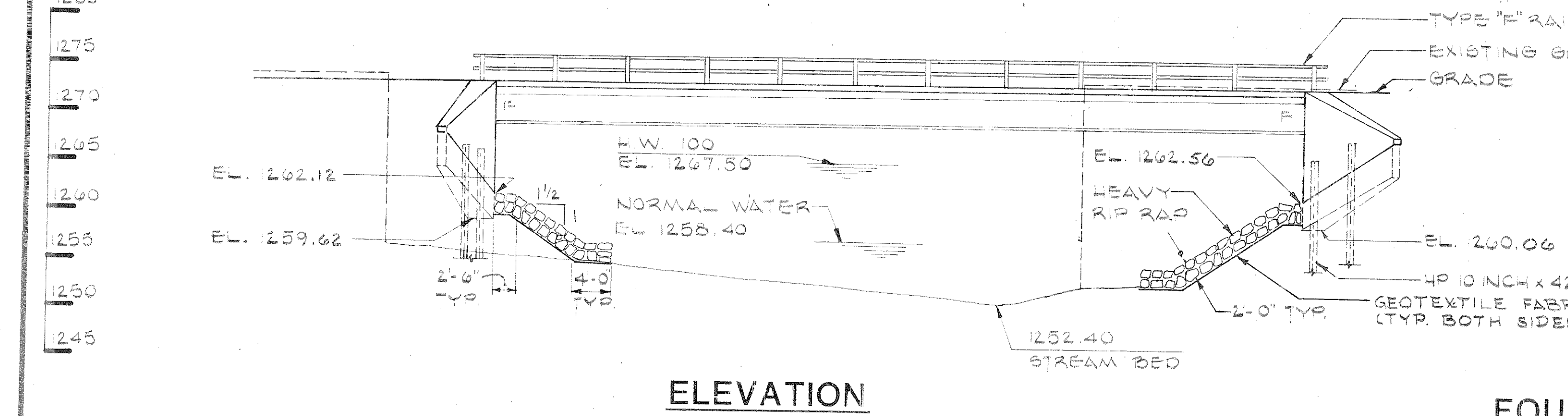
A.D.T. (1986)	42
A.D.T. (2006)	62
R.D.S.	50 M.P.H.

STATE PROJECT NUMBER	9857-01-70	SHEET NO.
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**GENERAL NOTES CROSS SECTION THRU ROADWAY**

THE FIRST DIGIT OF A BAR MARK SIGNIFIES THE BAR SIZE. DRAWINGS SHALL NOT BE SCALED. BAK STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE. THE SLOPE OF FILL SHALL BE COVERED W/HEAVY RIP RAP TO THE EXTENT SHOWN ON THIS SHEET AND IN THE ABUTMENT DETAILS. ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE. DO NOT BACKFILL ABUTMENTS UNTIL SUPERSTRUCTURE IS CURED. THE EXISTING GROUNDLINE SHALL BE THE UPPER L.M.T.S OF EXCAVATION FOR STRUCTURES. THIS STRUCTURE WILL REPLACE P-35-0088 WHICH IS A SINGLE SPAN THRU GIRDER TYPE BRIDGE. AT ABUTMENTS ALL SPACES EXCAVATED AND NOT OCCUPIED BY NEW STRUCTURE SHALL BE BACK-FILLED W/ GRANULAR BACKFILL GRADE 1. COST IS INCIDENTAL TO "EXCAVATION FOR STRUCTURES".



**FOUNDATION DATA**

ABUTMENTS TO BE SUPPORTED ON HP 10" x 42 LB. PILING DRIVEN TO BEDROCK AND HAVING A MIN. BEARING VALUE OF 46 TONS PER PILE. ESTIMATED LENGTH PER PILE IS 50' N. ABUT., 50' S. ABUT.

**TOTAL ESTIMATED QUANTITIES**

BID ITEMS	UNIT	W. ABUT	E. ABUT	SUPER	TOTAL
REMOVING OLD BRIDGE, STA. 10+00.00	L.S.				1
EXC. FOR STRUCTURES, BRIDGES 8-35-95	L.S.				1
CONCRETE MASONRY BRIDGES	C.Y.	39.2	39.4	66.4	145
COATED HIGH STRENGTH BAR STEEL REINFORCEMENT	L.B.			9640	9640
PRESTRESSED GIRDER, I TYPE 45"	L.F.			344	344
HIGH STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	L.B.	2680	2750	6980	12410
BEARING PADS, ELASTOMERIC	S.F.			10	10
HEAVY RIP RAP	C.Y.	115	110		225
STEEL PILING, DELIVERED AND DRIVEN, HP 10-INCH 42 POUND	L.F.	300	300		600
TUBULAR RAILING TYPE F STRUCT. 8-35-95	L.S.				1
PROTECTIVE SURFACE TREATMENT	GAL.			10	10
GEOTEXTILE FABRIC, TYPE HR	S.Y.	173	165		338
<b>NON BID ITEMS</b>					
PREFORMED JOINT FILLER	SIZE				1/2" x 3/4"
POLYVINYL CHLORIDE WATERSTOP	L.F.	36	36		72

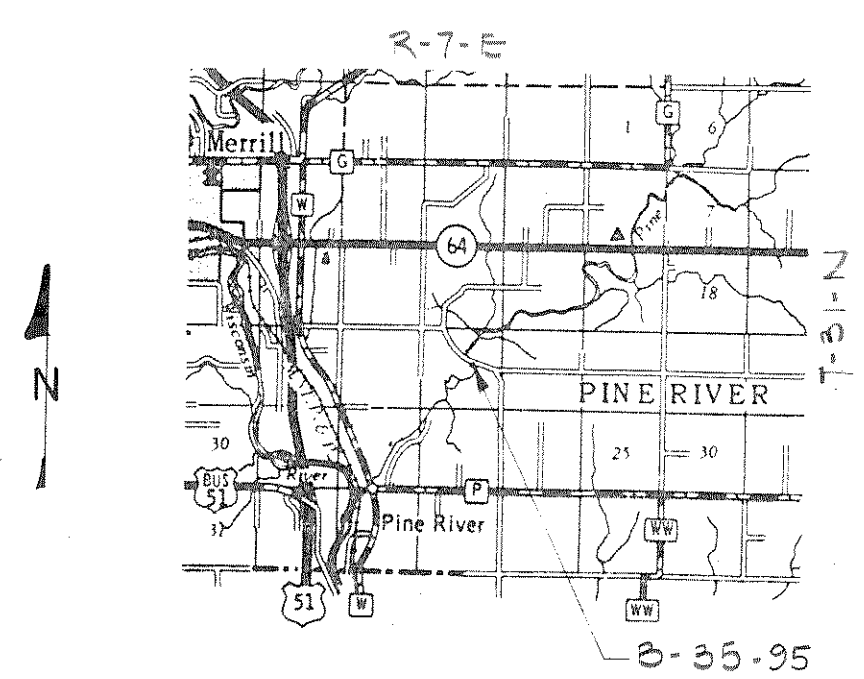
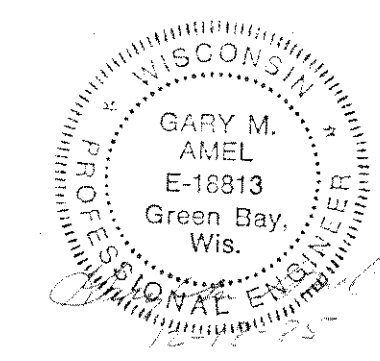
**DESIGN DATA**

**LIVE LOAD**  
 DESIGN RATING: HS-20  
 INVENTORY RATING: HS-20  
 OPERATIONAL RATING: HS-46  
 STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

**ALLOWABLE DESIGN STRESSES:**  
 CONCRETE MASONRY SLABS AND DIAPHRAGMS  $f_c = 4,000$  P.S.I.  
 ALL OTHERS  $f_c = 3,500$  P.S.I.  
 BAR STEEL REINFORCEMENT GRADE 60  $f_y = 60,000$  P.S.I.  
 45" PRESTRESSED GIRDERS, CONCRETE MASONRY  $f_c = 6,000$  P.S.I.  
 STRANDS - 1/2" WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

**BENCH MARK**

NO.	STATION	DESCRIPTION	ELEV.
1	9+44.30	PK IN POWER POLE 3107-22E3	1270.58
2	6+02.25	PK IN POWER POLE 3107-22E4	1276.11



**LAYOUT**

**LIST OF DRAWINGS**

- GENERAL PLAN
- SUBSURFACE EXPLORATION
- ABUTMENTS
- ABUTMENT REINFORCEMENT
- SUPERSTRUCTURE
- 45" PRESTRESSED GIRDER DETAILS
- TUBULAR STEEL RAILING TYPE "F"

NO.	Date	Revisions	By
FOTH & VAN DYKE and Associates, Inc. CONSULTING ENGINEERS GREEN BAY, WIS.			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-35-95			
CENTER ROAD OVER PINE RIVER			
County	LINCOLN	Town Of	PINE RIVER
Design Spec	AASHTO 1984	Load	HS-20
Designed/GMA	Design	Drawn	D.L.D.
By	D.E.M./Checked G.M.A.	By	D.L.D./Checked D.S.G.
Approved	Chief Bridge Engineer	Date	
<b>GENERAL PLAN</b>			SHEET 1 OF 7
FILE COPY			