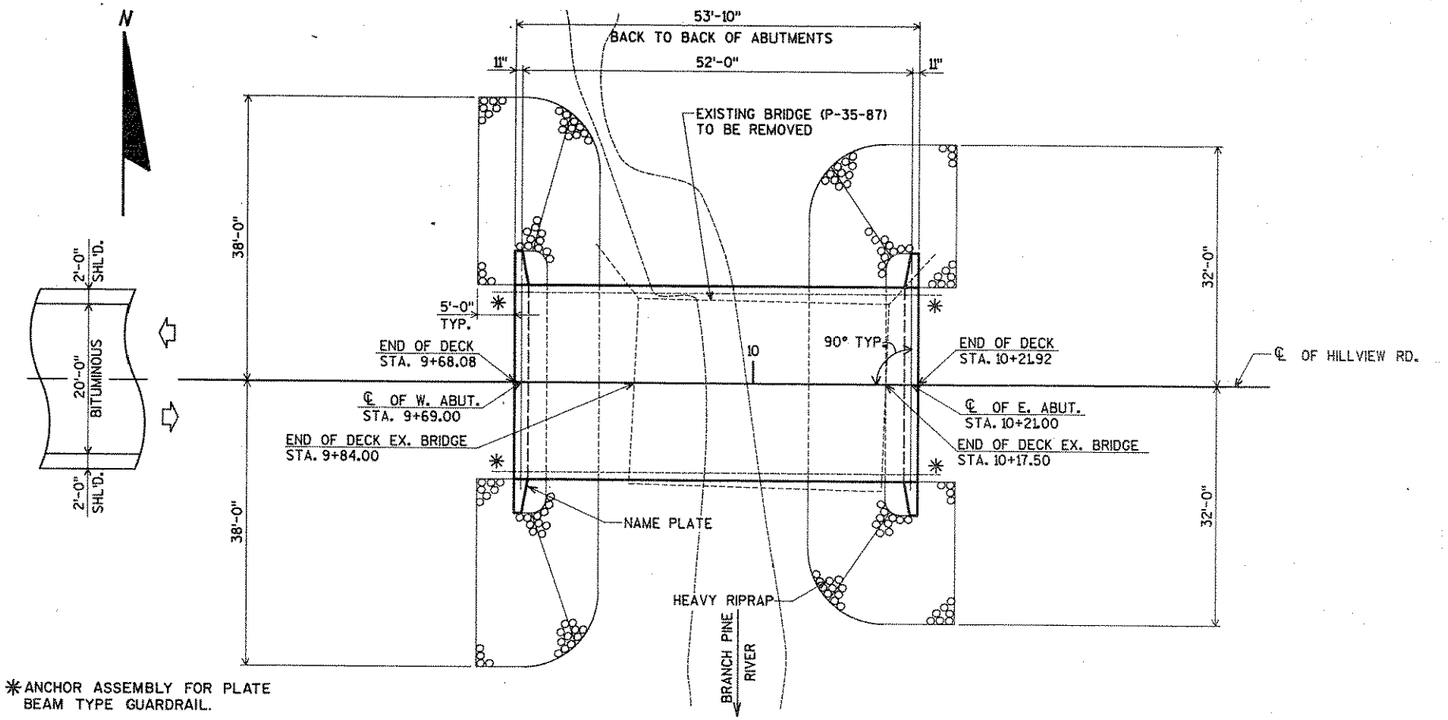
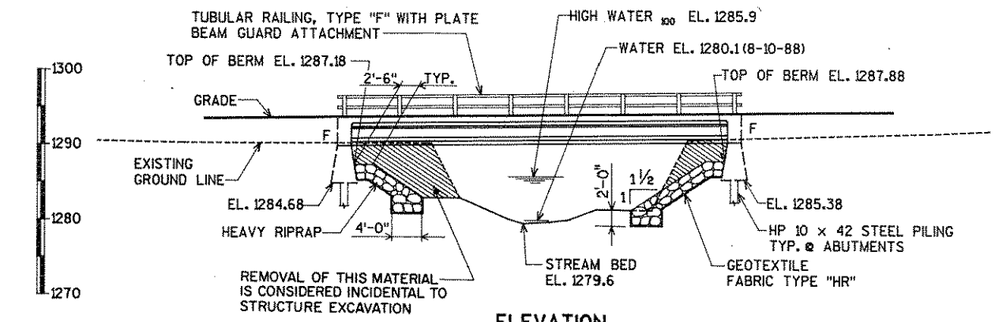
STATE PROJECT NUMBER	SHEET NO.
9857-02-70	8

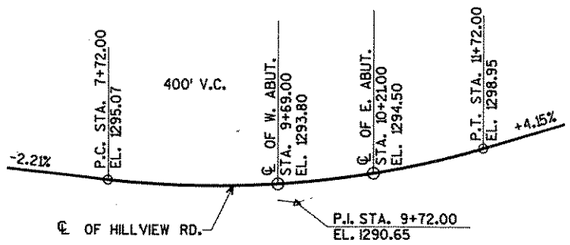


PLAN

SINGLE SPAN, 36" PRESTRESSED GIRDER BRIDGE



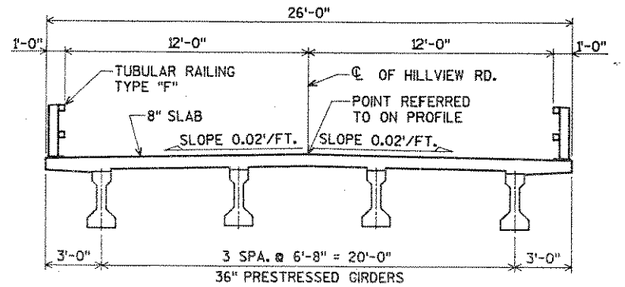
ELEVATION



PROFILE GRADE LINE

(HILLVIEW ROAD)

BENCH MARK:
70 d SPIKE IN POWER POLE
STA. 10+64.0, 38' LT.
EL. 1294.76



CROSS SECTION THRU ROADWAY

DESIGN DATA

LIVE LOAD: HS-20 (STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20#/S.F.)

RATINGS: INVENTORY = HS-27 OPERATING = HS-33

MAXIMUM STANDARD PERMIT VEHICLE LOAD = 225 KIPS

ALLOWABLE DESIGN STRESSES:

CONCRETE MASONRY	SLAB f'_c =	4,000 p.s.i.
	ALL OTHER f'_c =	3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60)	f_y =	60,000 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.

HYDRAULIC DATA:

DRAINAGE AREA = 2.8 sq. mi.
WATERWAY AREA = 81 sq. ft.
V = 10.0 f.p.s.
Q_{100} = 810 c.f.s.
HIGH WATER 100 EL. 1285.9
RDWY. OVERFLOW = N/A

FOUNDATION DATA:

PLACE W. ABUTMENT ON HP 10 x 42 STEEL PILING DRIVEN TO 45 TONS/PILE MINIMUM BEARING VALUE. ESTIMATED LENGTH 45'-0".

PLACE E. ABUTMENT ON HP 10 x 42 STEEL PILING DRIVEN TO 45 TONS/PILE MINIMUM BEARING VALUE. ESTIMATED LENGTH 35'-0".

TRAFFIC DATA:

A.D.T. = 90 (1988)
A.D.T. = 125 (2010)
R.D.S. = 40 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. QUANTITIES & NOTES
3. SUBSURFACE EXPLORATION
4. ABUTMENTS
5. ALT. STEEL INTER. DIAPHRAGM DETAILS
6. 36" PRESTRESSED GIRDER DETAILS
7. SUPERSTRUCTURE
8. SUPERSTRUCTURE DETAILS
9. TUBULAR RAILING TYPE "F"

WISCONSIN DAVID M. GOTTSCHALK EAU CLAIRE WIS. PROFESSIONAL ENGINEER
1/29/90

BRIDGE OFFICE CONTACT:
D. BABLER
(608) 266-8486

No.	Date	Revision	By

PLANS PREPARED BY
AYRES ASSOCIATES Engineers/Architects Planners/Surveyors
Owen Ayres & Associates Inc. Eau Claire, Wisconsin

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-35-110

HILLVIEW ROAD OVER BR. PINE RIVER

County LINCOLN		Town/~~Village~~ PINE RIVER	
Design Spec. A.A.S.H.T.O. '89		Load HS-20	Const. Spec. 1989
Designed By MNL	Design Checked CBM	Drawn By G.L.D.	Plans Checked DMB

Approved Stanley V. Woods State Bridge Engineer 2/9/90 Date

GENERAL PLAN

SHEET 1 OF 9

X 82833

SUBSET: TRBRIDGE
FILE NAME: 09231GP

LEVELS ON 4,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

CHECKED BY: DATE:
BACK CHECKED BY: DATE:
CORRECTED BY: DATE: