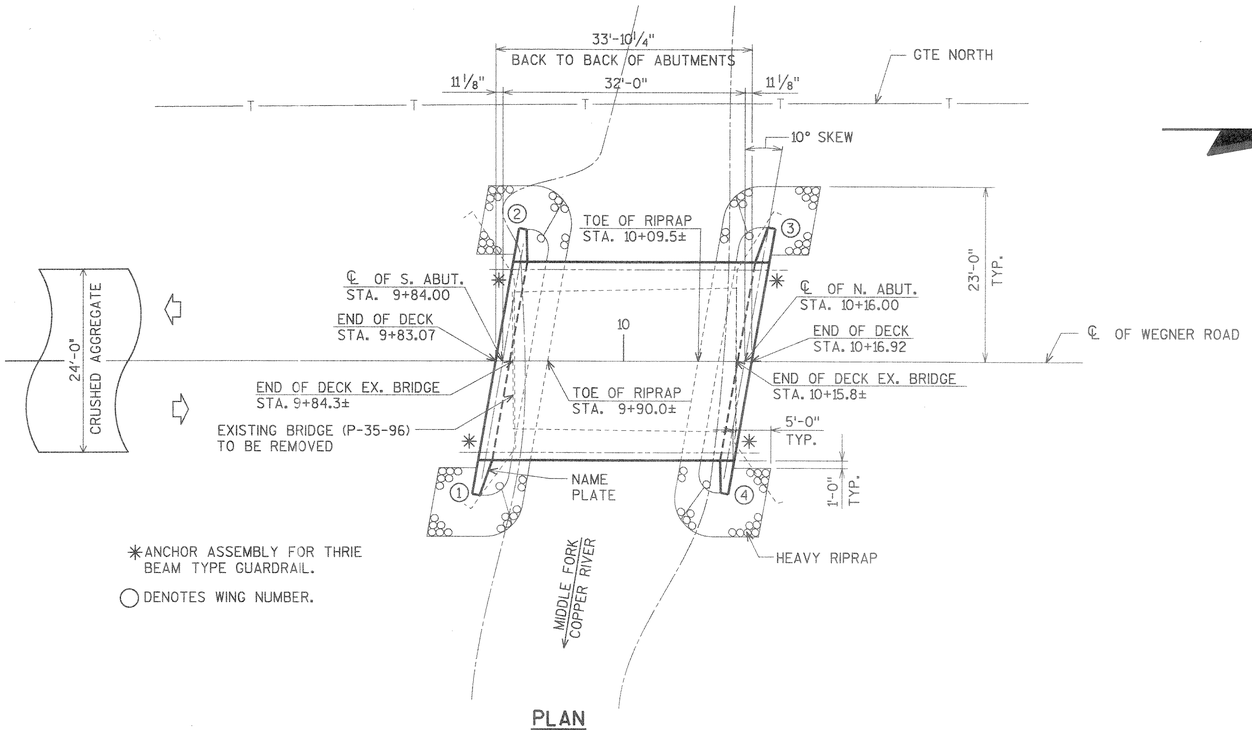
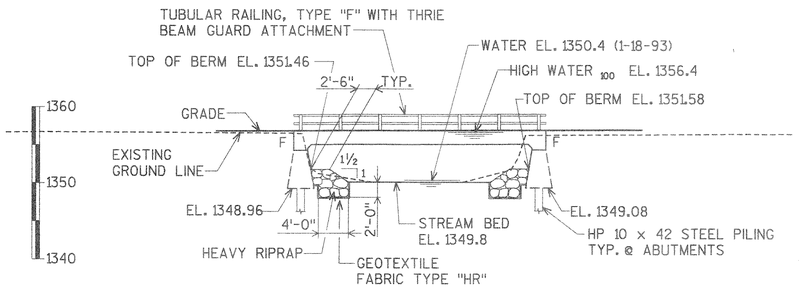
STATE PROJECT NUMBER	SHEET NO.
9852-02-70	



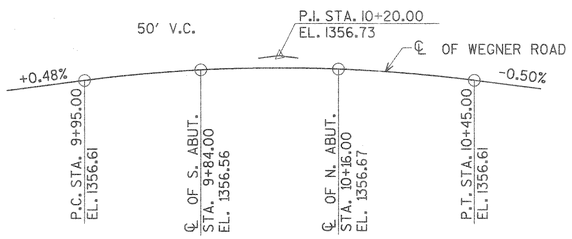
PLAN

SINGLE SPAN CONCRETE FLAT SLAB



ELEVATION

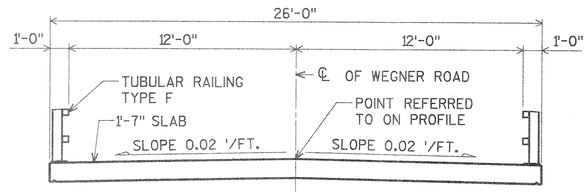
(NORMAL TO ℄ OF RIVER)



PROFILE GRADE LINE

(WEGNER ROAD)

BENCH MARK:
CHIS. SQ. IN SW ABUT.
STA. 9+85.00, 11' LT.
EL. 1356.01



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-26 OPERATING = HS-43

MAXIMUM STANDARD PERMIT VEHICLE LOAD = 230 KIPS

ULTIMATE 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.

HYDRAULIC DATA:

100 YEAR FLOOD
DRAINAGE AREA = 16.4 sq. mi.
WATERWAY AREA = 128 sq. ft.
V = 4.8 f.p.s.
Q_{100} = 650 c.f.s. { BRIDGE = 615 c.f.s.
OVERFLOW = 35 c.f.s.
HIGH WATER 100 EL. 1356.4
SCOUR CRITICAL CODE = 8

FREQUENCY OF OVERTOPPING
Q_{50} = 600 c.f.s.
WATER SURFACE EL. 1356.1

FOUNDATION DATA:

PLACE ABUTMENTS ON HP 10 x 42 STEEL PILING DRIVEN TO 40 TONS/PILE MINIMUM BEARING VALUE. ESTIMATED LENGTH 50'-0".

TRAFFIC DATA:

A.D.T. = 50 (1994)
A.D.T. = 70 (2014)
R.D.S. = 65 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. QUANTITIES & NOTES
3. SUBSURFACE EXPLORATION
4. SOUTH ABUTMENT
5. NORTH ABUTMENT
6. SUPERSTRUCTURE
7. TUBULAR RAILING TYPE "F"

BRIDGE OFFICE CONTACT:
C. RAY
(608) 266-8486

WISCONSIN CHRISTOPHER R. MARTIN EAU CLAIRE WI PROFESSIONAL ENGINEER
1/21/94

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-35-126

WEGNER ROAD OVER MIDDLE FORK COPPER RIVER

County LINCOLN		Town/~~City/Village~~ CORNING	
Design Spec. A.A.S.H.T.O. '92		Load HS-20	Const. Spec. 1989
Designed By BAO	Design Checked MJT	Drawn By CLS	Plans Checked C.B.M.

Approved _____ State Bridge Engineer _____ Date

GENERAL PLAN

SHEET 1 OF 7

PEN TABLE = collgbr.tbl
DATE OF PLOT = 01/21/94
DESIGN FILE IS /usr/work/trbridge/5019gp.dgn
DGN LEVELS ON = 1-63

REFERENCE FILES
5019st-dgn ON = 1-63 STDGNSURF
psetr50.ref ON = 1-63
5019pp.dgn ON = 1-50,53-63
SHTGP.REF ON = 13-56,58-63

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