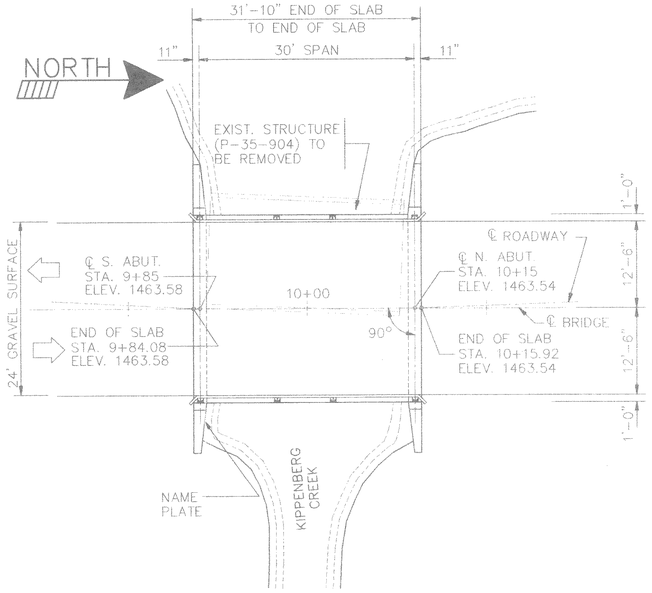
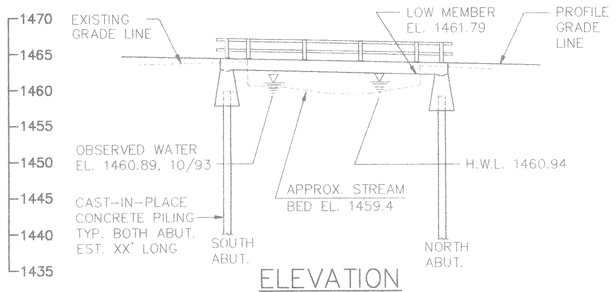
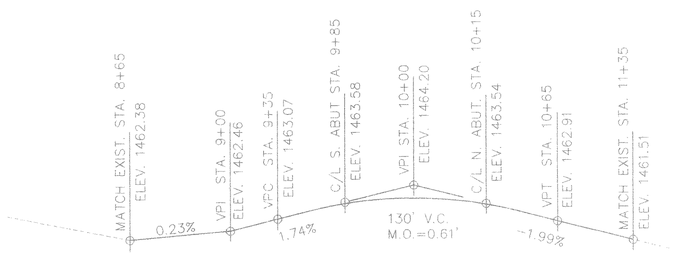


PLAN

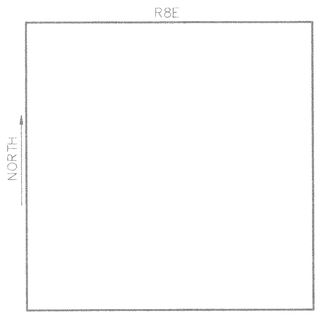
SINGLE SPAN PRESTRESSED PRECAST CONCRETE BOX BEAM BRIDGE



ELEVATION



PROFILE GRADE LINE



LOCATION SKETCH
(LINCOLN COUNTY)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR, UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST DIGIT OF A THREE DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

PILE SPLICES AT THE ABUTMENTS, IF USED, SHALL BE MADE BY A CERTIFIED WELDER.

THE EXISTING GROUND LINE AND THE BASE OF UNCLASSIFIED EXCAVATION SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

AT ABUTMENT BACKFACES ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH GRANULAR MATERIAL.

BACKFILL SHALL BE PLACED BEHIND BOTH ABUTMENTS SIMULTANEOUSLY AFTER THE PRECAST CONCRETE DECK HAS BEEN PLACED.

FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION: M153, TYPE I, II OR III OR A.A.S.H.T.O. DESIGNATION: M213.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

EXISTING STRUCTURE (P-35-904) = SINGLE SPAN STEEL DECK GIRDER BRIDGE, 27 FEET OVERALL LENGTH, 16 FEET WIDTH.

ESTIMATED QUANTITIES

BID ITEMS	UNIT	S.ABUT	N.ABUT	SUPER	TOTAL
REMOVING OLD BRIDGE, STA. 10+00	L.S.				
EXCAVATION FOR STRUCTURES, BRIDGE B-XX-XX	L.S.				
CONCRETE MASONRY, BRIDGES	C.Y.				
PROTECTIVE SURFACE TREATMENT	GAL.				
HIGH STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	LB.				
COATED HIGH STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	LB.				
STRUCTURAL CARBON STEEL	LB.				
TUBULAR RAILING, TYPE "F", STRUCTURE B-XX-XX	L.S.				
CAST-IN-PLACE CONCRETE PILING, DELIVERED AND DRIVEN, XXk INCH	L.F.				
NON-BID ITEMS					
POLYVINYL CHLORIDE WATERSTOP	L.F.				
FILLER	SIZE				

CROSS-SECTION

BENCH MARKS

NO.	STA.	LOCATION	ELEV.
1	12+78	60D NAIL IN 12" TAMARACK, 30' WEST	1463.32
2	10+30	60D NAIL IN 12" SPRUCE, 25' EAST	1463.46

STATE PROJECT NUMBER	SHEET NO.
9859-06-00	

DESIGN DATA

LIVE LOAD :

DESIGN RATING HS20
INVENTORY RATING ** .....
OPERATING RATING ** .....
STANDARD PERMIT VEHICLE RATING .....
FUTURE WEARING SURFACE ..... 20 psf

** BY LOAD FACTOR CRITERIA.

ALLOWABLE DESIGN STRESSES :

CONCRETE MASONRY - SLAB ..... F'c=4,000 psi
- ALL OTHER .. F'c=3,500 psi

HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 ..... Fy=60,000 psi

FOUNDATION DATA :

ABUTMENTS TO BE SUPPORTED ON XX" DIA. CAST-IN-PLACE CONCRETE PILES DRIVEN TO A MINIMUM BEARING VALUE OF 45 TONS. THE ESTIMATED LENGTH OF THESE PILES IS XX FEET.

HYDRAULIC DATA :

DRAINAGE AREA ..... 0.84 sq.mi.
Q_{100} ..... 66 cfs
HIGH WATER $_{100}$ ..... 1460.94±
WATERWAY AREA $_{100}$ ..... 30 sq.ft.
VELOCITY $_{100}$ ..... 2.2 fps
OVERTOPPING FREQUENCY ..... N/A

TRAFFIC DATA :

ADT (1994) 25
ADT (2024) 37

BRIDGE OFFICE CONTACT :

XXXX XXXXXXX ..... (608) 266-XXXX

LIST OF DRAWINGS, XXXXXX

1.) GENERAL PLAN & ELEVATION
2.) SUBSURFACE EXPLORATION
3.) ABUTMENTS
4.) PRECAST BOX BEAM DETAILS
5.) SUPERSTRUCTURE
6.) TUBULAR RAILING, TYPE "F"

No.	Date	Revision	By :

BECHER-HOPPE ASSOCIATES Inc.
ENGINEERS, ARCHITECTS, PLANNERS
330 Fourth Street
Wausau, WI. 54402

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE ___-___-____

KIPPENBERG CREEK BRIDGE & APPROACHES

Town of RUSSELL	LINCOLN County	
Design Spec. : AASHTO 1988	Load : HS20	Const. Spec. : 1989
Designed By : --- / Design Checked :	Drawn By : ---	Plans Checked :

Approved : _____ State Bridge Engineer _____ Date

GENERAL PLAN & ELEVATION

SHEET 1 of 6

9321508DG.DWG