

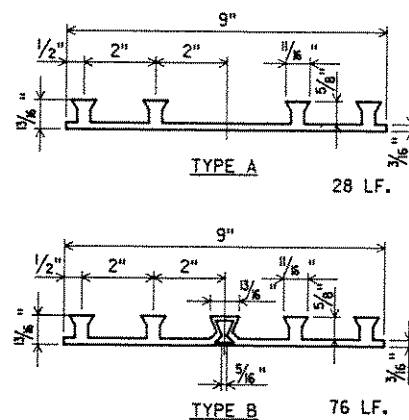
TYPICAL SECTION THRU ROADWAY

TOTAL ESTIMATED QUANTITIES

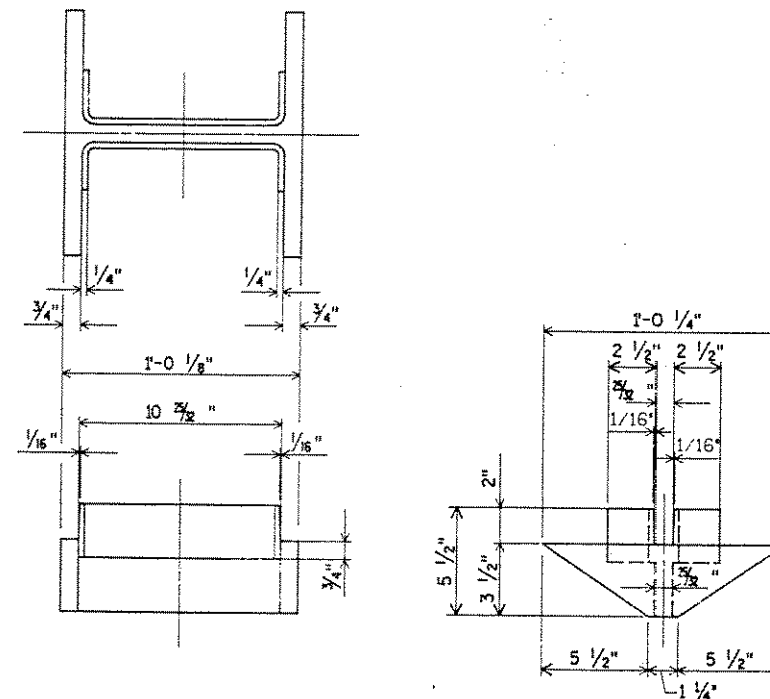
BID ITEMS	UNIT	S. ABUT.	N. ABUT.	SUPER.	TOTAL
REMOVING OLD BRIDGE, STA. 10+00	L.S.	----	----	----	1
EXCAVATION FOR STRUCTURES, BRIDGES B-35-III	L.S.	----	----	----	1
CONCRETE MASONRY, BRIDGES	C.Y.	42	42	160	244
PROTECTIVE SURFACE TREATMENT	GAL.	----	----	18	18
PRESTRESSED GIRDER, I-TYPE, 70-INCH	L.F.	----	----	436	436
HIGH-STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	LB.	3,060	3,060	16,230	22,350
COATED HIGH-STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	LB.	----	----	13,710	13,710
NON-LAMINATED ELASTOMERIC BEARING PADS	EACH	4	4	----	8
STEEL PILING, DELIVERED AND DRIVEN, HP 12-INCH 53 POUND	L.F.	280	315	----	595
TUBULAR RAILING, TYPE F, STRUCTURE B-35-III	L.S.	----	----	----	1
HEAVY RIPRAP	C.Y.	325	335	----	660
GEOTEXTILE FABRIC, TYPE HR	S.Y.	530	545	----	1075
PILE POINTS	EACH	7	7	----	14
NON-BID ITEMS					
FILLER	SIZE	----	----	----	1/2 & 3/4
POLYVINYL CHLORIDE WATERSTOP	L.F.	52	52	----	104

GENERAL NOTES

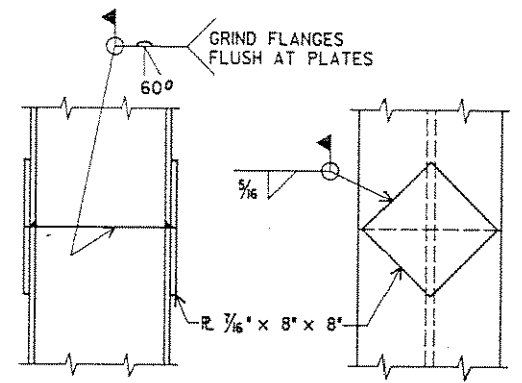
DRAWINGS SHALL NOT BE SCALED.  
 BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.  
 THE FIRST DIGIT OF A THREE DIGIT BAR NO. AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR NO. SIGNIFIES THE BAR SIZE.  
 JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M 153, TYPE I, II OR III OR A.A.S.H.T.O. DESIGNATION M 213.  
 THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP TO THE EXTENT SHOWN ON THE GENERAL PLAN SHEET AND IN THE ABUTMENT DETAILS.  
 PROTECTIVE SURFACE TREATMENT IS TO BE APPLIED TO THE TOP OF DECK.  
 ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.  
 THE EXISTING BRIDGE (B-35-852) IS A THREE SPAN CONCRETE DECK GIRDER TYPE BRIDGE, 121 FEET LONG AND HAS A CLEAR ROADWAY WIDTH OF 30 FEET AND TWO 8 FOOT SIDEWALKS.



POLYVINYL CHLORIDE WATERSTOP DETAIL (P.C.W.)



PILE POINT DETAIL



HP 12 x 53 SPLICE DETAIL

DESIGN DATA

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

RATINGS: INVENTORY = HS-22 OPERATING = HS-40

MAXIMUM STANDARD PERMIT VEHICLE LOAD = 190 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 = 121 sq. mi.  
 WATERWAY AREA = 887 sq. ft.  
 $V = 7.9$  f.p.s.  
 $Q_{100} = 7,000$  c.f.s.  
 HIGH WATER  $_{100}$  EL. 1230.0  
 RDWY. OVERFLOW = N/A

FOUNDATION DATA:

PLACE S. ABUTMENT ON HP 12 x 53 STEEL PILING DRIVEN TO 65 TONS/PILE MINIMUM BEARING VALUE. ESTIMATED LENGTH 40'-0".  
 PLACE N. ABUTMENT ON HP 12 x 53 STEEL PILING DRIVEN TO 65 TONS/PILE MINIMUM BEARING VALUE. ESTIMATED LENGTH 45'-0".

TRAFFIC DATA:

A.D.T. = 1220 (1988)  
 A.D.T. = 1800 (2011)  
 R.D.S. = 60 M.P.H.

No.	Date	Revision	By
PLANS PREPARED BY			
<b>AYRES ASSOCIATES</b> Engineers/Architects Planners/Surveyors Owen Ayres & Associates Inc. Eau Claire, Wisconsin			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-35-III			
Const. Spec.	1989	Drawn By	G.L.D.
		Plans Checked	C.B.M.
QUANTITIES & NOTES			SHEET 2 OF 13
			X 82834

SUBSET: TRBRIDGE  
 FILE NAME: 09232GP

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