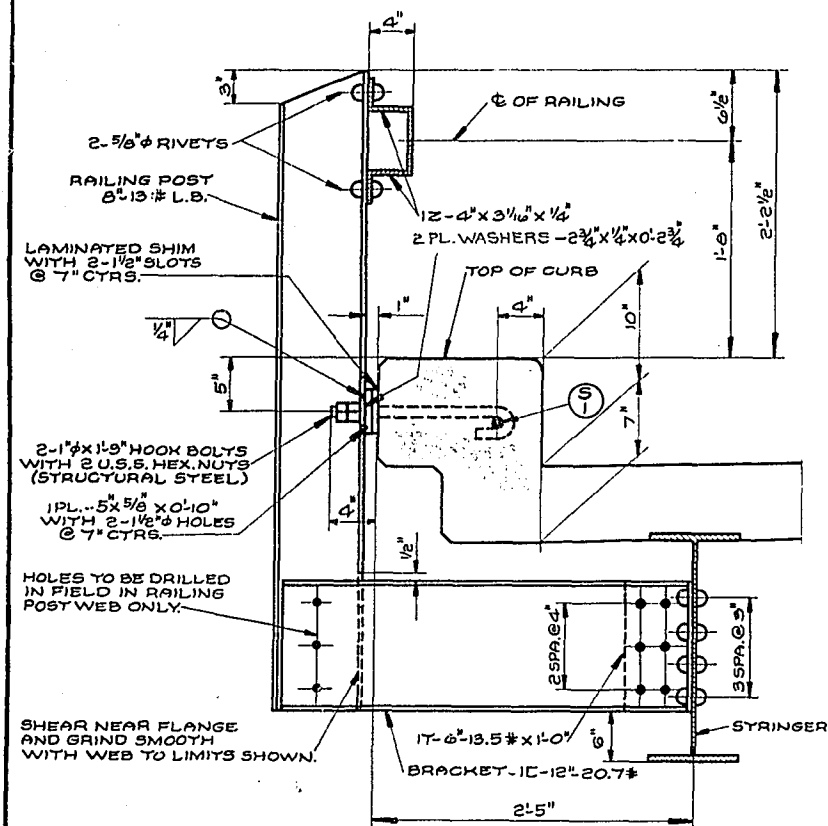
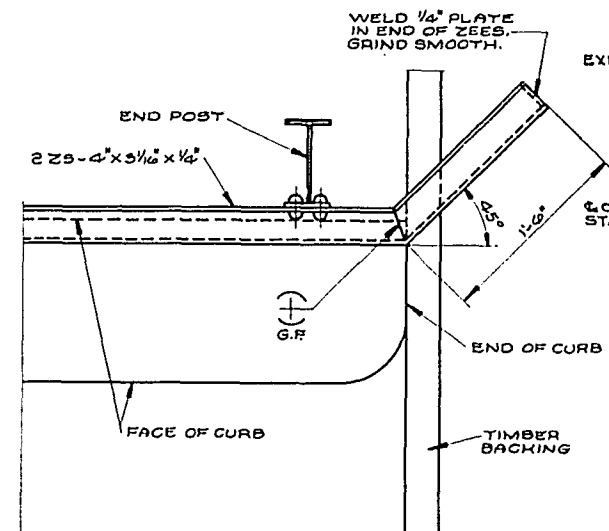


COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
70.6	235.0		11.1	WIS. 5N	10	15



SECTION THRU RAILING.



END DETAILS.

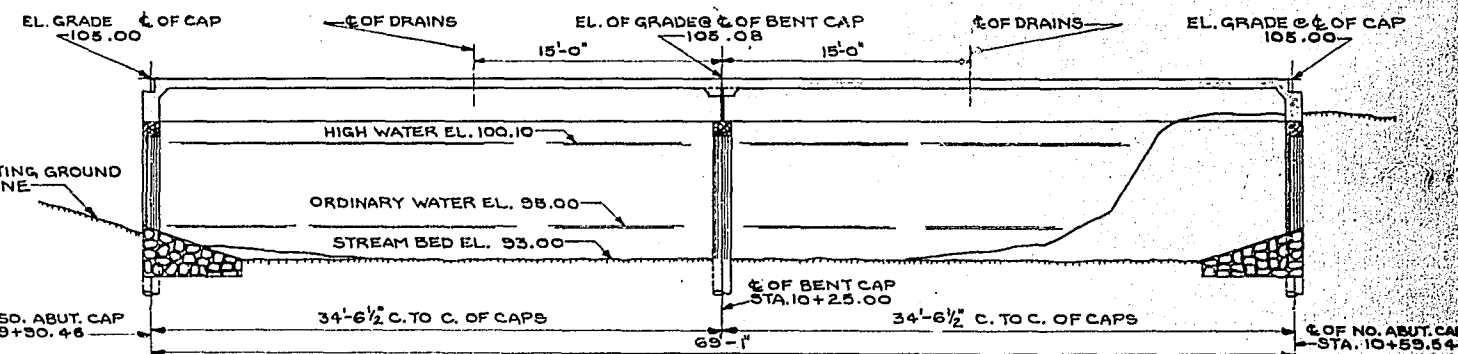


TABLE OF ELEVATIONS.

UNIT	ELEVATION AT		
	EO OF ROADWAY	TOP OF CURB	TOP OF PILE
EO OF SOUTH ABUT. CAP	105.00	105.68	101.52
EO OF BENT CAP	105.08	105.76	101.60
EO OF NORTH ABUT. CAP	105.00	105.68	101.52

GENERAL NOTES.

DRAWINGS SHALL NOT BE SCALED.
ALL CONCRETE REINFORCING SHALL BE GRADE "AA"
BEVEL ALL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE
SPECIFIED.
BAR STEEL REINFORCEMENT DIMENSIONS APPLY ALONG Φ OF
BAR.
BAR STEEL REINFORCEMENT IN FLOOR SHALL BE CUT OFF AT
FLOOR DRAINS.
UNLESS OTHERWISE SPECIFIED, ALL SHOP CONNECTIONS SHALL
BE 3/4" Φ RIVETS AND ALL FIELD CONNECTIONS SHALL BE 3/4" Φ RIVETS
OR 3/4" Φ RIBBED TIGHT-FIT BOLTS. SEE SPECIFICATIONS.
PILES SHALL BE TREATED TIMBER PILING 40" Φ LONG AND
SHALL BE DRIVEN TO A MINIMUM BEARING VALUE OF 20 TONS PER
PILE.

THE 3"x10" BULKHEAD PLANK IN THE BODY OF THE ABUTMENTS MAY BE SPICED. SPICES MUST BE AT 6" OF PILES AND MUST BE STAGGERED 12" FROM THE ADJACENT PILE.

THE FRONT FACES OF THE ABUTMENTS SHALL BE RIPRAPPED AS SHOWN IN SECTION S1-S1" WITHIN THE LIMITS OF THE ENDS OF THE WINGS. AFTER THE FILL IS IN PLACE, THE SLOPE OF THE FILL AROUND THE ENDS OF THE WINGS SHALL BE RIPRAPPED TO A MINIMUM THICKNESS OF 1'-0" AS DIRECTED BY THE ENGINEER.

DETAIL OF PILE SHOE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

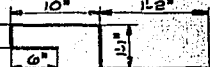
MATERIAL FOR FLOOR DRAINS SHALL BE MEASURED AND PAID FOR AS "STRUCTURAL STEEL."

ALL END RAILING POST BRACKET CHANNELS SHALL BE PLACED ON THAT SIDE OF POST TOWARD 6" OF SPAN IN ORDER TO FACILITATE THE DRILLING OF FIELD HOLES IN POSTS.

TREATED LUMBER & TIMBER.

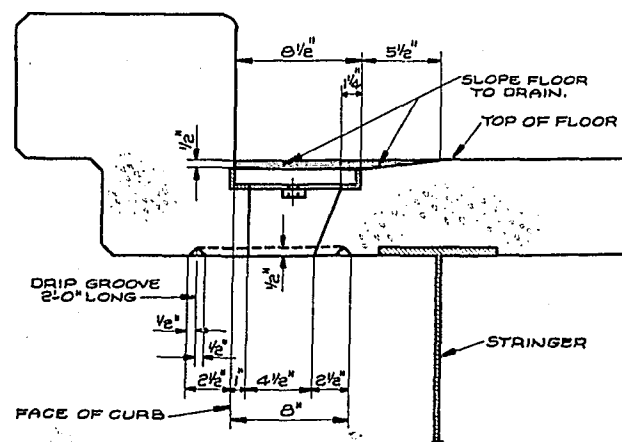
NOMINAL SIZE	NO. OF PIECES	LENGTH	SURFACE	GRADE	LOCATION
3"x 6"	4	8'-3"	NONE	1200#FJ&P	WING CLEAT.
	4	11'-6"	NONE	1200#FJ&P	WING CLEAT.
	4	11'-8"	S1E	1200#FJ&P	WING CLEAT.
	4	2'-6"	NONE	1200#FJ&P	BODY CLEAT.
6"x 6"	10	6'-0"	NONE	1200#FJ&P	BODY CLEAT.
3"x 8"	2	16'-0"	NONE	1200#FJ&P	BENT BRACING.
	2	14'-9"	NONE	1200#FJ&P	BENT BRACING.
3"x 10"	4	2'-6"	NONE	1200#FJ&P	WING BACKING
	4	5'-0"	"	1200#FJ&P	WING BACKING
	4	7'-6"	"	1200#FJ&P	WING BACKING.
	4	10'-0"	"	1200#FJ&P	" "
	40	12'-6"	"	1200#FJ&P	" "
	22	31'-0"	"	1200#FJ&P	BODY BACKING.
3"x 12"	12	5'-1"	S1E	1200#FJ&P	" "
10"x 12"	2	24'-0"	S1S	1600#FB&S	ABUTMENT CAP
	1	27'-0"	S1S2E	1600#FB&S	BENT CAP

BILL OF BARS.

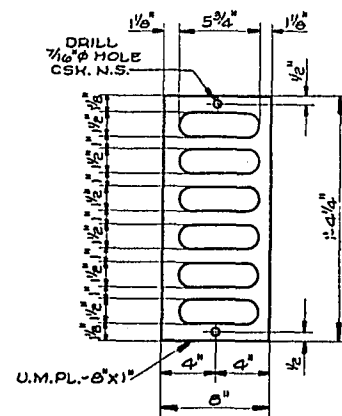
NO.	MARK	SIZE	LENGTH	SPACING	LOCATION & DETAIL
8	S1	1"φ	17'-3"	SHOWN	LONG. - CURBS.
40	S2	1/2"φ	18'-6"	SHOWN.	LONG. - CURBS & FLOOR
60	S3	1/2"φ	18'-3"	SHOWN	LONG. - FLOOR
92	S4	1/2"φ	4'-0"	1'-6" CTRD	TRANS. IN CURBS. 
360	S5	1/2"φ	25'-0"	4 1/2" CTRD	TRANS. - FLOOR.
24	S6	3/4"φ	5'-3"	4 1/2" CTRD	TRANS. - PAVING SUPPORT AT ABUTMENT.
4	S7	1"φ	24'-0"	SHOWN.	TRANS. - TOP OF STRUT AT BENT.
16	S8	1"φ	5'-3"	SHOWN.	TRANS. - BOTTOM OF STRUT AT BENT.

LIST OF DRAWINGS.

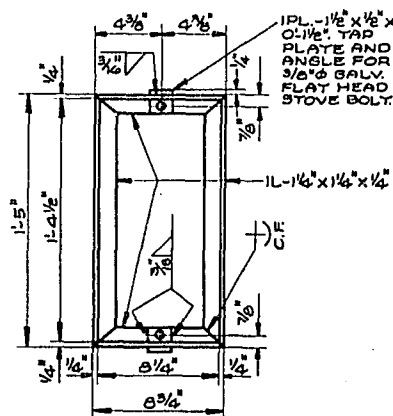
1-LAYOUT-DRAINS-RAILING-X-11191
2-ABUTMENTS-X-11192
3-BENT-X-11193



SECTION THRU DRAIN.



GRATE.



FRAME.

DRAIN DETAILS.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE-FLAME CUTS.
ALL PLATE EDGES SHALL BE SMOOTH, STRAIGHT AND VERTICAL.
4 REQD.

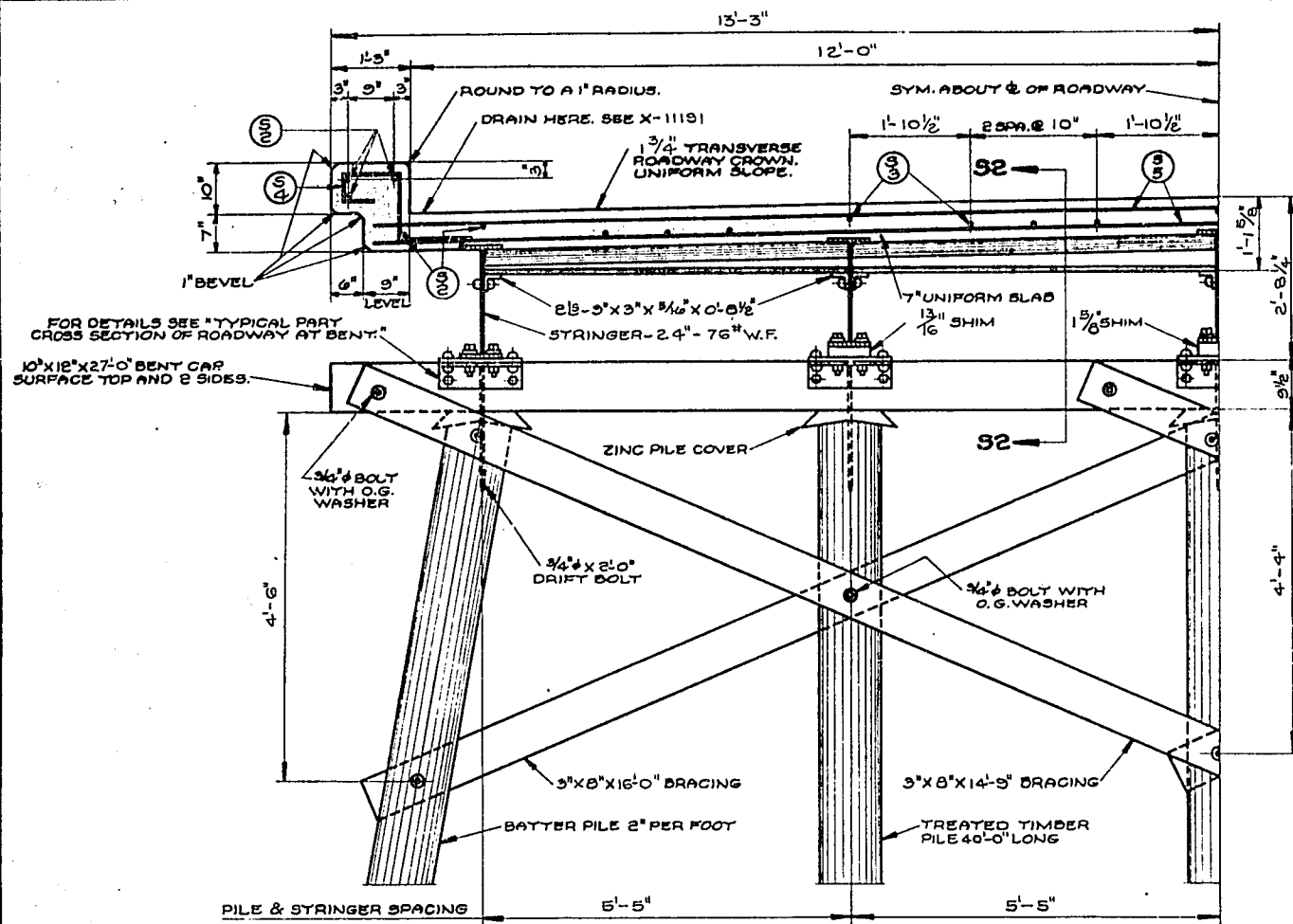
TOTAL ESTIMATED QUANTITIES.

REMOVING OLD BRIDGE		LUMP SUM.
EXCAVATION FOR STRUCTURES	75 C.Y.	
CONCRETE MASONRY	47.4 C.Y.	
BAR STEEL REINFORCEMENT	8320 LB.	
STRUCTURAL STEEL	34,100 LB.	
ZINC PLATES	36 LB.	
TREATED LUMBER AND TIMBER	4,644 M.B.M.	
* UNTREATED TIMBER TEST PILING (1 @ 30'-0")	LUMP SUM.	
TREATED TIMBER PILING	1,080 LF.	
PILE SHOES	EACH.	
FLOOR DRAINS	EACH.	
RIPRAP	55 C.Y.	

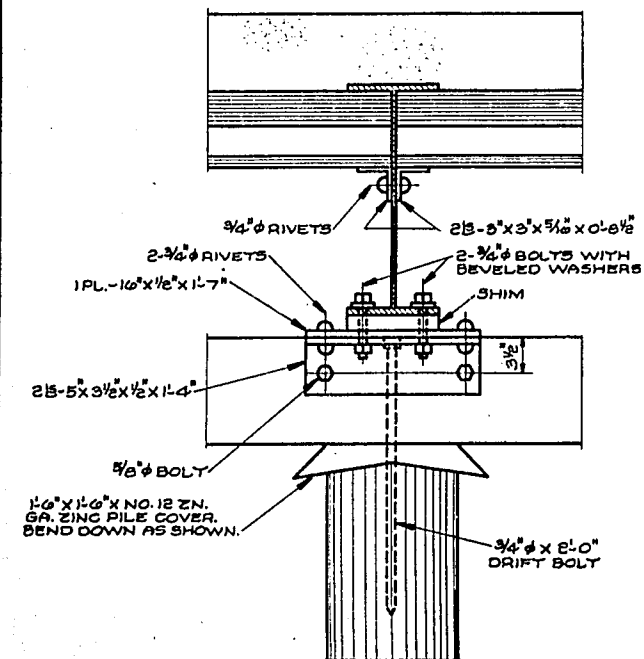
* DRIVE ONE AT LOCATION OF BENT.

REVISED	STATE HIGHWAY COMMISSION OF WISCONSIN			
3- 21/1940/664	LAYOUT--DRAINS--RAILINGS			
	CO. WINNEBAGO	ONPT WIC TH.	WINGCHESTER	STA. 10+ 25.00
	SECTION 10	TOWN 20 N.	RANGE 15 E.	
	DATE 9/20/40	DRAWN D. J.	CHKD. L. W. F.	SPEC. 1941
	LOAD H-15			
	CORRECT	G. N. K. S.		BRIDGE ENGINEER
	APPROVED	E. J. K.		STATE HIGHWAY ENGINEER
STRUCTURE B-70-2			SHEET 1 OF 3	

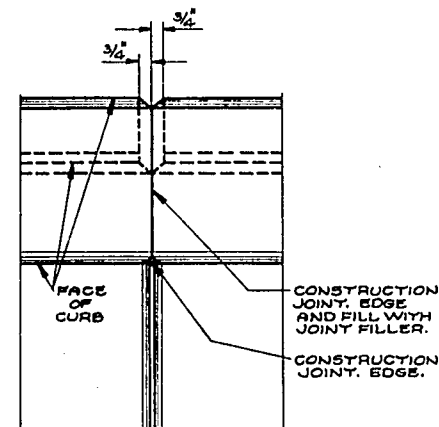
COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
70.6	235.0	11.1	WIS. 5N	12	15



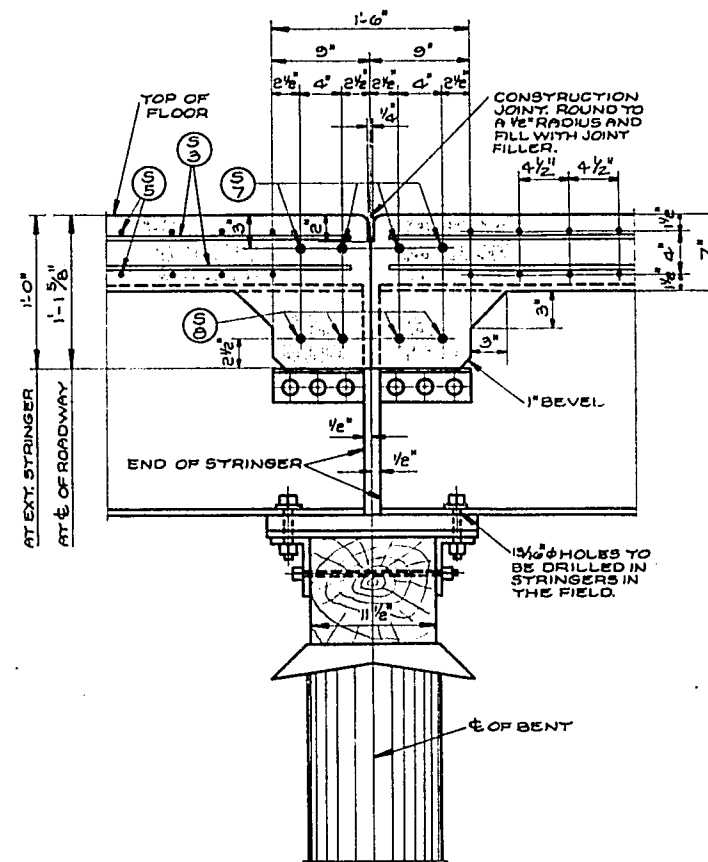
ELEVATION.
FOR DRAIN AND RAILING DETAILS SEE X-11191



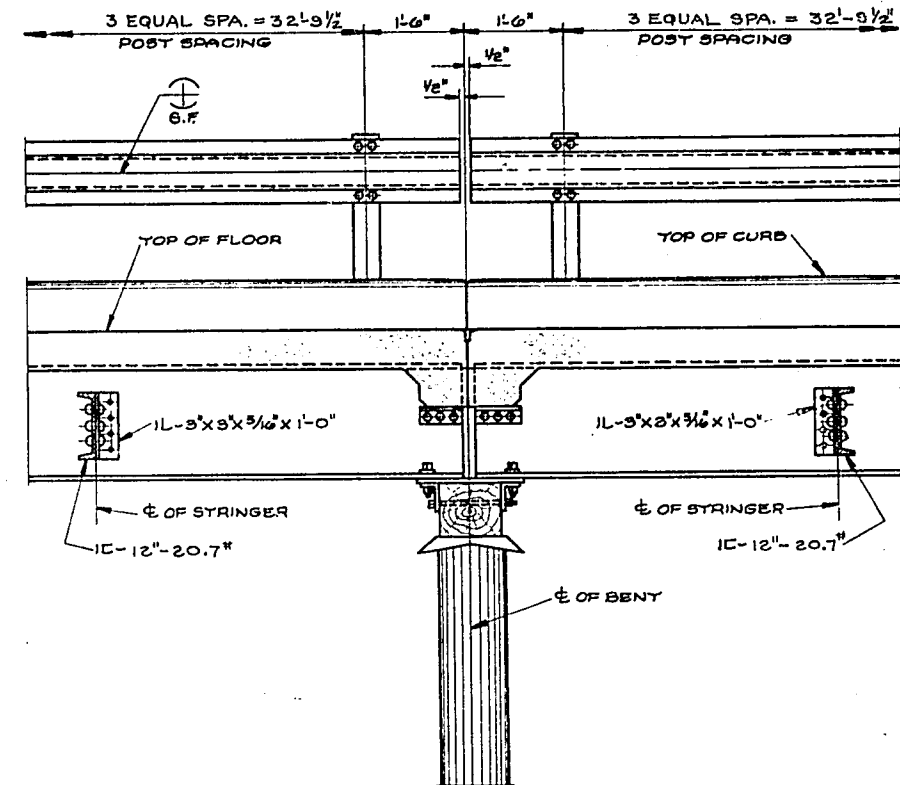
TYPICAL PART CROSS SECTION OF ROADWAY AT BENT.



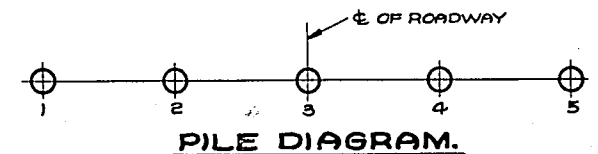
PART PLAN AT BENT.



SECTION S2-S2.



TYPICAL DETAILS AT BENT.



PILE DIAGRAM.

STATE HIGHWAY COMMISSION OF WISCONSIN			
BENT			
CO. WINNEBAGO	CITY WINCHESTER	STA. 104	25.00
SECTION 10	TOWN 20 N.	RANGE 15 E.	
DATE 5/20/47 DRWN. D.Z. CKD. L.W.F. SPEC. 1941 LOAD H-15			
CORRECTED BY G. J. K. BRIDGE ENGINEER			
APPROVED BY C. L. R. STATE HIGHWAY ENGINEER			
STRUCTURE 8-70-2		SHEET 3 OF 3	