

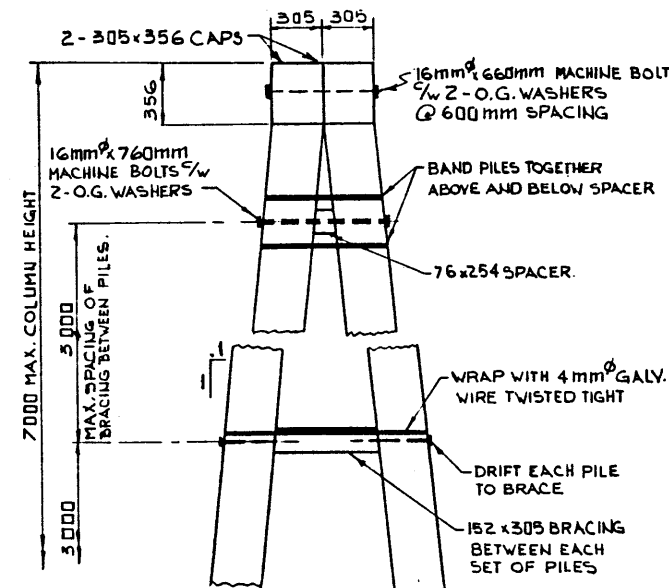
CAP SPLICE DETAIL

CROWNED ROADWAY WITH EVEN NUMBER OF PILES.

N.T.S.

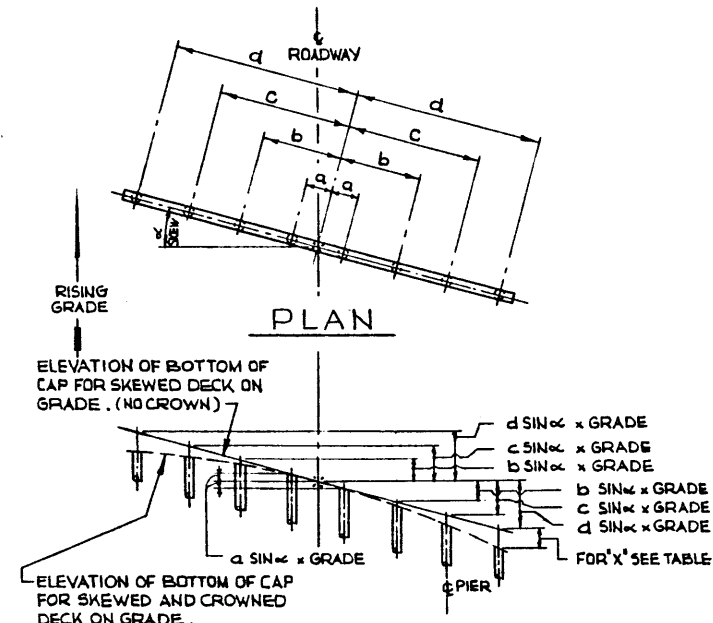
CAP SPLICE DETAIL

CROWNED ROADWAY WITH ODD NUMBER OF PILES



DOUBLE PIER DETAIL

USE FOR PIER MORE THAN 3m HIGH 1:20



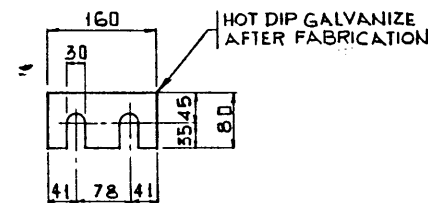
ELEVATION

SKEWED CROWNED RDWY. ON GRADE

N.T.S.

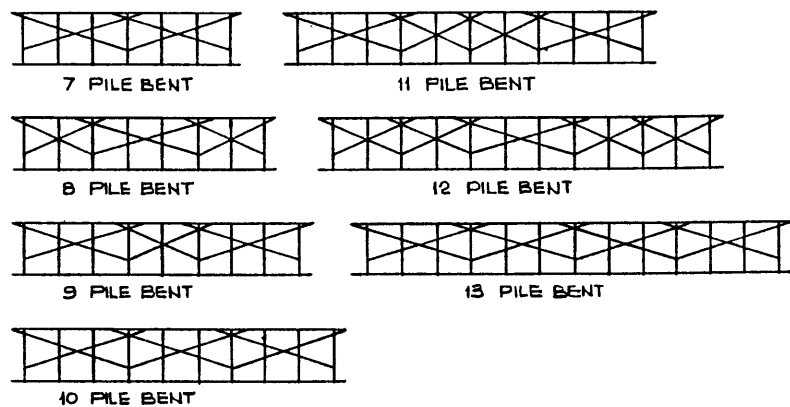
TABLE IS APPLICABLE TO 'SM' SPAN LENGTH OF 6, 8, 10 & 11 m.

CLEAR RDWY.	SKEW	CAP LENGTH	NO. OF PILES	PILE SPACING	DIM. x (ROW)
6 400	0	7 800	7	1 210	75
	15	8 200		1 250	
	30	9 100		1 400	
	45	11 200		1 710	
7 600	0	9 100	8	1 210	85
	15	9 400		1 250	
	30	10 500		1 400	
	45	12 900		1 710	
8 800	0	10 400	9	1 210	100
	15	10 700		1 250	
	30	11 900		1 400	
	45	14 600		1 710	
10 000	0	11 600	10	1 210	110
	15	12 000		1 250	
	30	13 400		1 400	
	45	16 400		1 710	
11 200	0	12 800	11	1 210	120
	15	13 300		1 250	
	30	14 800		1 400	
	45	18 000		1 710	
12 500	0	14 000	12	1 210	135
	15	14 500		1 250	
	30	16 100		1 400	
	45	19 800		1 710	
13 700	0	15 200	13	1 210	145
	15	15 700		1 250	
	30	17 500		1 400	
	45	21 500		1 710	



DROP IN WASHER SM510 GIRDER

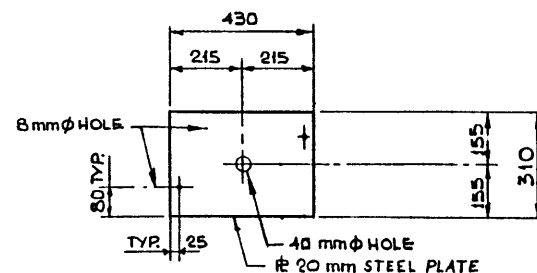
(TO FILL GAP BETWEEN GIRDER CONNECTIONS - SUPPLY 2 x 4 mm THICKNESS)



SWAY BRACING LAYOUT

N.T.S.

SWAY BRACING 76 x 254 mm OR 76 x 305 mm PLANKS SPIKED AND BOLTED TO PILES AND CAP.



BEARING PLATE DETAIL

PROVIDED BETWEEN PILE AND PILECAP. (FOR ALL PILES.) 1:10

BILL OF HARDWARE:

MARK	SIZE	TYPE	WASHERS	PLACING AND NO. REQUIRED
1	20 x 560	DRIFTS		CAPS AND SUBCAPS TO PILES.
2	20 x 600	HEADLESS DRIFTS		GIRDER AND CURBS TO CAPS
3	16 x 660	MACHINE BOLTS	2-16 0.8.	2 PER GIRDER, 2 PER CURB.
4	16 x 560			CAP SPLICE - 4 PER SPLICE.
5	16 x 510			DOUBLE SWAYBRACE TO CAP.
6	16 x 180	FLEX BEAM BOLTS	1-16 LOCK	---
7	16 x 30			GUARDRAIL TO POST.
8	310 x 20 x 430	BEARING PLATE		GUARDRAIL SPLICE - 8 PER SPLICE.
				BETWEEN PILE TOPS AND CAPS.

* FOR BRIDGES WITH FLEX-BEAM RAILS ONLY.

GENERAL NOTES:

- ALL DIMENSIONS ARE GIVEN IN mm EXCEPT AS NOTED.
- PILE SPACING DESIGN BASED ON TYPE 'SM' PRE-CAST CONCRETE GIRDERS.
- PILE SPACING DIMENSIONS GIVEN IN THE TABLE TO BE MEASURED ALONG CAP.
- FOR SQUARE SPANS THE PILE CUT-OFFS IN O'SKEW TABLE ARE APPLICABLE TO ANY GRADE.
- CAP SPLICE ON UNCROWNED BRIDGES IS TO BE OVER ANY TWO PILES.
- BEARING PLATES TO BE SUPPLIED BETWEEN ALL PILE TOPS AND CAPS OR SUBCAPS.

APPROVED		Alberta TRANSPORTATION BRIDGE BRANCH		METRIC	
[Signature]		'SM' PRECAST BRIDGES		T.T. SUBSTRUCTURE - SHEET #2	
DATE: JULY 2/98		REVISIONS		DESIGNED: A. WAHEED	
DRAWN BY: P. SZOTS		DATE: 78 02 28		CHECKED BY:	
DATE:		STREAM:		LOCATION:	
HWY. NO.:		SCALE: SHOWN		FILE NO.:	
SHEET: 2 OF 2		DWG NO. S-1421			