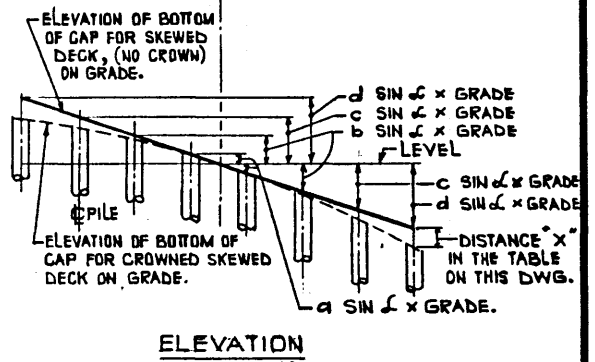
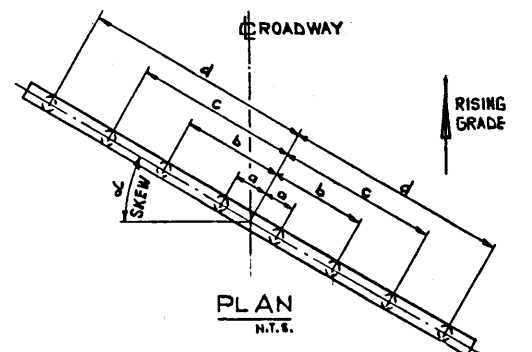


**CAP SPLICE DETAIL**  
CROWNED ROADWAY WITH  
ODD NUMBER OF PILES.  
N.T.S.

**CAP SPLICE DETAIL**  
CROWNED ROADWAY WITH  
EVEN NUMBER OF PILES.  
N.T.S.



NOTE:  
PILE CUTOFFS FOR SKEWED CROWNED ROADWAYS ON GRADE TO BE OFFICE DESIGNED. SEE DRAWINGS: S-821, S-822, S-823, AND S-824.

**SKEWED CROWNED RDWY. ON GRADE**

CLEAR ROADWAY	SKEW	CAP LENGTH	DIM X (CROWN)	20' SPAN ABUTMENT			28' SPAN ABUTMENT			33' SPAN ABUTMENT			38' SPAN ABUTMENT			20'-20' SPAN PIER			20'-28' SPAN PIER			28'-28' SPAN PIER			28'-33' SPAN PIER			33'-33' SPAN PIER		
				No. OF PILES	PILE SPACING	SHEETING LENGTHS	No. OF PILES	PILE SPACING	SHEETING LENGTHS	No. OF PILES	PILE SPACING	SHEETING LENGTHS	No. OF PILES	PILE SPACING	SHEETING LENGTHS	No. OF PILES	PILE SPACING	SHEETING LENGTHS	No. OF PILES	PILE SPACING	SHEETING LENGTHS	No. OF PILES	PILE SPACING	SHEETING LENGTHS	No. OF PILES	PILE SPACING	SHEETING LENGTHS	No. OF PILES	PILE SPACING	SHEETING LENGTHS
21'	0°	24'	2 1/2'	8	3'-0"	1012, 1022	8	3'-1 1/4"	2018'	8	3'-1 1/4"	1016, 1020	8	3'-1 1/4"	1014, 1022	8	3'-1 1/4"	1014, 1020	8	3'-1 1/4"	2012'	8	3'-1 1/4"	2012'	8	3'-1 1/4"	2012'	8	3'-1 1/4"	2012'
	15°	26'	2 1/2'	8	3'-1 1/4"	2018'	8	3'-1 1/4"	2018'	8	3'-1 1/4"	1012, 1022	8	3'-1 1/4"	1014, 1020	8	3'-1 1/4"	1014, 1020	8	3'-1 1/4"	2012'	8	3'-1 1/4"	2012'	8	3'-1 1/4"	2012'	8	3'-1 1/4"	2012'
	30°	29'	2 1/2'	8	3'-5 1/8"	2018'	8	3'-5 1/8"	2018'	8	3'-5 1/8"	1022, 1016	8	3'-5 1/8"	1016, 1022	8	3'-5 1/8"	1016, 1022	8	3'-5 1/8"	2014'	8	3'-5 1/8"	2014'	8	3'-5 1/8"	2014'	8	3'-5 1/8"	2014'
	45°	36'	2 1/2'	8	4'-2 1/8"	2022'	8	4'-2 1/8"	2022'	8	4'-2 1/8"	2018, 1018	8	4'-2 1/8"	2018, 1018	8	4'-2 1/8"	2018, 1018	8	4'-2 1/8"	2018'	8	4'-2 1/8"	2018'	8	4'-2 1/8"	2018'	8	4'-2 1/8"	2018'
24'	0°	27'	3"	9	3'-0"	3012'	9	3'-0"	1016, 1022	9	3'-0"	1014, 1016	9	3'-0"	1014, 1016	9	3'-0"	2014'	9	3'-0"	1012, 1016	9	3'-0"	1012, 1016	9	3'-0"	1012, 1016	9	3'-0"	1012, 1016
	15°	29'	3"	9	3'-1 1/4"	1012, 1014	9	3'-1 1/4"	1016, 1022	9	3'-1 1/4"	2018'	9	3'-1 1/4"	2018'	9	3'-1 1/4"	1016, 1012	9	3'-1 1/4"	2014'	9	3'-1 1/4"	1012, 1016	9	3'-1 1/4"	1012, 1016	9	3'-1 1/4"	1012, 1016
	30°	32'	3"	9	3'-5 1/4"	2020'	9	3'-5 1/4"	1018, 1014	9	3'-5 1/4"	2020'	9	3'-5 1/4"	2020'	9	3'-5 1/4"	1018, 1012	9	3'-5 1/4"	2016	9	3'-5 1/4"	1018, 1012	9	3'-5 1/4"	1018, 1012	9	3'-5 1/4"	1018, 1012
	45°	40'	3"	9	4'-2 1/8"	1016, 1018	9	4'-2 1/8"	1020, 1014	9	4'-2 1/8"	1018, 1012	9	4'-2 1/8"	1018, 1012	9	4'-2 1/8"	1022, 1016	9	4'-2 1/8"	3012'	9	4'-2 1/8"	1016, 1020	9	4'-2 1/8"	1016, 1020	9	4'-2 1/8"	1016, 1020
27'	0°	30'	3 1/2"	10	3'-0"	1012, 1018	10	3'-0"	2020'	10	3'-0"	1014, 1016	10	3'-0"	1014, 1016	10	3'-0"	2014'	10	3'-0"	1012, 1016	10	3'-0"	1012, 1016	10	3'-0"	1012, 1016	10	3'-0"	1012, 1016
	15°	32'	3 1/2"	10	3'-1 1/4"	1012, 1018	10	3'-1 1/4"	2020'	10	3'-1 1/4"	1016, 1022	10	3'-1 1/4"	2018'	10	3'-1 1/4"	1014, 1018	10	3'-1 1/4"	2016	10	3'-1 1/4"	1014, 1018	10	3'-1 1/4"	1014, 1018	10	3'-1 1/4"	2016
	30°	36'	3 1/2"	10	3'-5 1/8"	1012, 1020	10	3'-5 1/8"	2022'	10	3'-5 1/8"	1016, 1014	10	3'-5 1/8"	2018'	10	3'-5 1/8"	1014, 1020	10	3'-5 1/8"	2018'	10	3'-5 1/8"	1014, 1020	10	3'-5 1/8"	2018'	10	3'-5 1/8"	2018'
	45°	44'	3 1/2"	10	4'-2 1/8"	1022, 1016	10	4'-2 1/8"	1020, 1012	10	4'-2 1/8"	1020, 1012	10	4'-2 1/8"	1020, 1012	10	4'-2 1/8"	1022, 1018	10	4'-2 1/8"	3014'	10	4'-2 1/8"	1012, 1018	10	4'-2 1/8"	1012, 1018	10	4'-2 1/8"	2020'
30'	0°	33'	3 3/4"	11	3'-0"	1018, 1012	11	3'-0"	2022'	11	3'-0"	1016, 1014	11	3'-0"	1016, 1014	11	3'-0"	1014, 1018	11	3'-0"	2016'	11	3'-0"	1012, 1016	11	3'-0"	1012, 1016	11	3'-0"	1012, 1016
	15°	35'	3 3/4"	11	3'-1 1/4"	1012, 1020	11	3'-1 1/4"	2022'	11	3'-1 1/4"	1016, 1014	11	3'-1 1/4"	1016, 1014	11	3'-1 1/4"	1014, 1020	11	3'-1 1/4"	2018'	11	3'-1 1/4"	1014, 1020	11	3'-1 1/4"	1014, 1020	11	3'-1 1/4"	2018'
	30°	39'	3 3/4"	11	3'-5 1/8"	1020, 1014	11	3'-5 1/8"	2018'	11	3'-5 1/8"	3016'	11	3'-5 1/8"	3016'	11	3'-5 1/8"	1016, 1022	11	3'-5 1/8"	1018, 1020	11	3'-5 1/8"	1018, 1020	11	3'-5 1/8"	1018, 1020	11	3'-5 1/8"	2018'
	45°	48'	3 3/4"	11	4'-2 1/8"	1016, 1018	11	4'-2 1/8"	1020, 2014	11	4'-2 1/8"	3018'	11	4'-2 1/8"	3018'	11	4'-2 1/8"	1018, 1012	11	4'-2 1/8"	1012, 1022	11	4'-2 1/8"	1012, 1022	11	4'-2 1/8"	1012, 1022	11	4'-2 1/8"	2020'
33'	0°	36'	4"	12	3'-0"	1016, 1012	12	3'-0"	3016'	12	3'-0"	1016, 1018	12	3'-0"	1016, 1018	12	3'-0"	1020, 1016	12	3'-0"	2018'	12	3'-0"	1020, 1016	12	3'-0"	1020, 1016	12	3'-0"	2018'
	15°	38'	4"	12	3'-1 1/4"	1016, 1012	12	3'-1 1/4"	2012'	12	3'-1 1/4"	1016, 1018	12	3'-1 1/4"	1016, 1018	12	3'-1 1/4"	1020, 1016	12	3'-1 1/4"	2018'	12	3'-1 1/4"	1020, 1016	12	3'-1 1/4"	1020, 1016	12	3'-1 1/4"	2018'
	30°	43'	4"	12	3'-5 1/4"	1020, 1014	12	3'-5 1/4"	3018'	12	3'-5 1/4"	1016, 1020	12	3'-5 1/4"	1016, 1020	12	3'-5 1/4"	1022, 1018	12	3'-5 1/4"	2020'	12	3'-5 1/4"	1022, 1018	12	3'-5 1/4"	1022, 1018	12	3'-5 1/4"	2020'
	45°	53'	4"	12	4'-2 1/8"	1022, 1016	12	4'-2 1/8"	3020'	12	4'-2 1/8"	1014, 2018	12	4'-2 1/8"	2012, 1016	12	4'-2 1/8"	1014, 1020	12	4'-2 1/8"	3016'	12	4'-2 1/8"	1018, 1018	12	4'-2 1/8"	1018, 1018	12	4'-2 1/8"	2020'
36'	0°	40'	4 1/2"	13	3'-0"	1016, 1012	13	3'-0"	3016'	13	3'-0"	1016, 1018	13	3'-0"	1014, 1022	13	3'-0"	2018'	13	3'-0"	1018, 1020	13	3'-0"	2020'	13	3'-0"	2020'	13	3'-0"	2020'
	15°	41'	4 1/2"	13	3'-1 1/4"	1012, 2014	13	3'-1 1/4"	1018, 1016	13	3'-1 1/4"	1012, 2014	13	3'-1 1/4"	1018, 1016	13	3'-1 1/4"	1018, 1022	13	3'-1 1/4"	2020'	13	3'-1 1/4"	2020'	13	3'-1 1/4"	2020'	13	3'-1 1/4"	2020'
	30°	46'	4 1/2"	13	3'-5 1/8"	1020, 1014	13	3'-5 1/8"	3018'	13	3'-5 1/8"	1018, 1020	13	3'-5 1/8"	4014'	13	3'-5 1/8"	1016, 1014	13	3'-5 1/8"	2022'	13	3'-5 1/8"	2022'	13	3'-5 1/8"	2022'	13	3'-5 1/8"	2022'
	45°	57'	4 1/2"	13	4'-2 1/8"	1016, 2018	13	4'-2 1/8"	3022'	13	4'-2 1/8"	1014, 2020	13	4'-2 1/8"	4016'	13	4'-2 1/8"	1022, 2016	13	4'-2 1/8"	1012, 2016	13	4'-2 1/8"	1012, 2016	13	4'-2 1/8"	1012, 2016	13	4'-2 1/8"	1012, 2016
42'	0°	46'	5 1/4"	14	3'-0"	1020, 1012	14	3'-0"	3018'	14	3'-0"	1012, 2016	14	3'-0"	1016, 1014	14	3'-0"	2022'	14	3'-0"	1016, 1012	14	3'-0"	1016, 1012	14	3'-0"	1016, 1012	14	3'-0"	1016, 1012
	15°	48'	5 1/4"	14	3'-1 1/4"	1016, 1012	14	3'-1 1/4"	2012'	14	3'-1 1/4"	1018, 1020	14	3'-1 1/4"	3016'	14	3'-1 1/4"	1014, 1018	14	3'-1 1/4"	1018, 1022	14	3'-1 1/4"	1018, 1022	14	3'-1 1/4"	1018, 1022	14	3'-1 1/4"	1018, 1022
	30°	53'	5 1/4"	14	3'-5 1/8"	1020, 1014	14	3'-5 1/8"	5012'	14	3'-5 1/8"	1012, 1018	14	3'-5 1/8"	1018, 1018	14	3'-5 1/8"	1014, 1022	14	3'-5 1/8"	1014, 1022	14	3'-5 1/8"	1014, 1022	14	3'-5 1/8"	1014, 1022	14	3'-5 1/8"	3018'
	45°	66'	5 1/4"	14	4'-2 1/8"	1016, 2018	14	4'-2 1/8"	1022, 2016	14	4'-2 1/8"	2020, 1014	14	4'-2 1/8"	4018'	14	4'-2 1/8"	1014, 1020	14	4'-2 1/8"	1014, 1020	14	4'-2 1/8"	1014, 1020	14	4'-2 1/8"	1014, 1020	14	4'-2 1/8"	1022, 1020
45'	0°	48'	5 1/2"	15	3'-0"	1012, 2018	15	3'-0"	1012, 2018	15	3'-0"	1020, 1018	15	3'-0"	1018, 1012	15	3'-0"	1020, 1018	15	3'-0"	3016'	15	3'-0"	3016'	15	3'-0"	3016'	15	3'-0"	1018, 1012
	15°	50'	5 1/2"	15	3'-1 1/4"	1012, 2018	15	3'-1 1/4"	1012, 2018	15	3'-1 1/4"	1018, 1016	15	3'-1 1/4"	1016, 1020	15	3'-1 1/4"	1014, 1018	15	3'-1 1/4"	1018, 1016	15	3'-1 1/4"	1018, 1016	15	3'-1 1/4"	1018, 1016	15	3'-1 1/4"	1018, 1016
	30°	56'	5 1/2"	15	3'-5 1/8"	1014, 2020	15	3'-5 1/8"	2018, 1012	15	3'-5 1/8"	3022'	15	3'-5 1/8"	1022, 2020	15	3'-5 1/8"	1020, 1014	15	3'-5 1/8"	4014'	15	3'-5 1/8"	4014'	15	3'-5 1/8"	1022, 1012	15	3'-5 1/8"	1022, 1012
	45°	70'	5 1/2"	15	4'-2 1/8"	1022, 2016	15	4'-2 1/8"	1020, 1020	15	4'-2 1/8"	1022, 2016	15	4'-2 1/8"	1012, 1012	15	4'-2 1/8"	1014, 2020	15	4'-2 1/8"	1014, 2020	15	4'-2 1/8"	1014, 2020	15	4'-2 1/8"	1014, 2020	15	4'-2 1/8"	2018, 1020

**GENERAL NOTES**

- PILE SPACING DESIGN BASED ON TYPE "VH" PRECAST CONCRETE STRINGERS.
- PILE SPACING DIMENSIONS GIVEN IN THE TABLE TO BE MEASURED ALONG CAP.
- FOR SQUARE SPANS THE PILE CUT OFFS IN 0° SKEW TABLE ARE APPLICABLE TO ANY GRADE.
- CAP SPLICE