




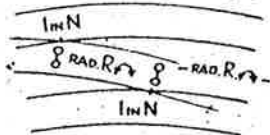
PERMANENT WAY NOTES

DIMENSIONS, FORMULÆ ETC. FOR CROSSOVER ROADS.

THESE NOTES ARE INTENDED FOR THE GUIDANCE AND ASSISTANCE OF STAFF ENGAGED UPON PERMANENT WAY WORK. THEY DO NOT IN ANY WAY MODIFY, SUPPLEMENT OR AMEND THE INSTRUCTIONS LAID DOWN IN E.D.I., STANDARD DRAWINGS CIRCULARS ETC., WHICH SHOULD BE REFERRED TO IN ALL CASES.

N XING ANGLE IN	FORMULA :- 				FORMULA :- 				FORMULA :- 				ANGLI IN		
	INTERVAL				INTERVAL				INTERVAL						
	6'-6"	8'-6"	11'-0"	ADD FOR EA. ADDNL. FOOT OF INTERVAL	ADD FOR EA. ADDNL. INCH OF INTERVAL	6'-6"	8'-6"	11'-0"	ADD FOR EA. ADDNL. FOOT OF INTERVAL	ADD FOR EA. ADDNL. INCH OF INTERVAL	6'-6"	7'-6"		8'-6"	11'-0"
6	11'-2 1/2"	23'-3 3/8"	38'-4 1/2"	6'-0 1/2"	6'-0 1/2"	10'-3 3/8"	22'-2 1/8"	37'-1 1/8"	5'-11 1/2"	5'-9 6"	12'-2"	17'-10 1/2"	23'-9 1/4"	38'-8 3/8"	6
6 1/4	11'-7 1/4"	24'-2 3/4"	39'-11 1/2"	6'-3 1/2"	6'-2 9"	10'-9"	23'-2 1/8"	38'-8 3/8"	6'-2 1/2"	6'-21"	12'-6 3/8"	18'-6 1/2"	24'-8 3/8"	40'-2 3/4"	6 1/4
6 1/2	12'-1"	25'-1 3/8"	41'-6"	6'-6 1/2"	6'-5 4"	11'-2 5/8"	24'-1 5/8"	40'-3 1/2"	6'-5 1/2"	6'-4 6"	12'-11 5/8"	19'-2 1/2"	25'-7 1/8"	41'-9 1/4"	6 1/2
6 3/4	12'-6 1/4"	26'-1"	43'-0 5/8"	6'-9 1/2"	6'-7 9"	11'-8 1/4"	25'-1 1/4"	41'-10 5/8"	6'-8 1/2"	6'-71"	13'-4 3/8"	19'-10 3/8"	26'-6 1/4"	43'-3 3/4"	6 3/4
7	12'-11 1/8"	27'-0 1/4"	44'-7 1/4"	7'-0 3/8"	7'-0 4"	12'-1 3/4"	26'-0 7/8"	43'-5 3/4"	6'-11 5/8"	6'-9 6"	13'-9 1/4"	20'-6 3/8"	27'-5 1/8"	44'-10 1/4"	7
7 1/4	13'-4 1/2"	27'-11 1/8"	46'-1 1/8"	7'-3 3/8"	7'-2 8"	12'-7 1/4"	27'-0 1/2"	45'-0 7/8"	7'-2 5/8"	7'-2 22"	14'-2 1/4"	21'-2 3/8"	28'-4 1/8"	46'-4 1/4"	7 1/4
7 1/2	13'-9 3/4"	28'-10 1/8"	47'-8 5/8"	7'-6 3/8"	7'-5 3"	13'-0 3/4"	28'-0"	46'-8"	7'-5 5/8"	7'-4 7"	14'-7 1/8"	21'-10 3/8"	29'-3 1/8"	47'-11 1/8"	7 1/2
7 3/4	14'-3"	29'-9 3/4"	49'-3 1/4"	7'-9 3/8"	7'-7 8"	13'-6 3/8"	28'-11 1/2"	48'-3 3/8"	7'-8 5/8"	7'-7 2"	15'-0 1/8"	22'-6 3/8"	30'-2 1/4"	49'-5 5/8"	7 3/4
8	14'-8 1/4"	30'-9"	50'-9 3/8"	8'-0 3/8"	8'-0 3"	13'-11 1/8"	29'-11 1/8"	49'-10 1/8"	7'-11 5/8"	7'-9 7"	15'-5 1/8"	23'-2 3/8"	31'-1 1/4"	51'-0 1/2"	8
8 1/4	15'-1 1/2"	31'-8 1/4"	52'-4 1/8"	8'-3 3/8"	8'-2 8"	14'-5 3/8"	30'-10 5/8"	51'-5 1/4"	8'-2 5/8"	8'-2 2"	15'-10 1/8"	23'-10 1/2"	32'-0 3/8"	52'-7 1/8"	8 1/4
8 1/2	15'-6 3/4"	32'-7 1/2"	53'-11 1/8"	8'-6 3/8"	8'-5 3"	14'-10 3/8"	31'-10 5/8"	53'-0 1/4"	8'-5 5/8"	8'-4 7"	16'-3 3/8"	24'-6 1/2"	32'-11 1/2"	54'-1 1/4"	8 1/2
8 3/4	16'-0"	33'-6 5/8"	55'-6"	8'-9 3/8"	8'-7 8"	15'-4 1/4"	32'-9 3/8"	54'-7 1/4"	8'-8 5/8"	8'-7 2"	16'-8 3/8"	25'-2 5/8"	33'-10 3/8"	55'-8 3/8"	8 3/4
9	16'-5 1/4"	34'-5 3/8"	57'-0 3/4"	9'-0 3/8"	9'-0 3"	15'-9 3/4"	33'-9 3/8"	56'-2 1/4"	8'-11 5/8"	8'-9 7"	17'-1 1/4"	25'-10 3/4"	34'-9 1/4"	57'-3 3/8"	9
9 1/2	17'-3 3/8"	36'-4 1/2"	60'-2 1/4"	9'-6 3/8"	9'-5 3"	16'-8 3/4"	35'-8 3/8"	59'-4 3/8"	9'-5 5/8"	9'-4 7"	17'-11 3/8"	27'-3"	36'-8 1/4"	60'-4 1/2"	9 1/2
10	18'-2 3/8"	38'-3"	63'-3 3/8"	10'-0 1/4"	10'-0 3"	17'-7 3/8"	37'-7 3/8"	62'-6 3/8"	9'-11 1/4"	9'-9 8"	18'-9 3/8"	28'-7 3/8"	38'-6 1/2"	63'-5 3/8"	10
10 1/2	19'-1"	40'-1 1/2"	66'-5 1/4"	10'-6 1/4"	10'-5 2"	18'-6 3/8"	39'-6"	65'-8 1/4"	10'-5 3/4"	10'-4 8"	19'-7 3/8"	29'-11 1/4"	40'-4 3/8"	66'-7 1/4"	10 1/2
11	19'-11 1/8"	42'-0 1/8"	69'-6 3/8"	11'-0 1/4"	11'-0 2"	19'-5 1/2"	41'-4 7/8"	68'-10 1/4"	10'-11 1/4"	10'-9 8"	20'-6 1/4"	31'-4 3/8"	42'-3 1/4"	69'-8 1/4"	11
11 1/2	20'-10 1/4"	43'-10 3/4"	72'-8 3/8"	11'-6 1/4"	11'-5 2"	20'-4 3/8"	43'-3 3/8"	72'-0 7/8"	11'-5 3/4"	11'-4 8"	21'-4 1/2"	32'-8 3/8"	44'-1 1/4"	72'-10 1/4"	11 1/2
12	21'-8 3/8"	45'-9 3/8"	75'-10"	12'-0 1/4"	12'-0 2"	21'-3 1/4"	45'-2 1/4"	75'-2 1/8"	11'-11 1/4"	11'-9 8"	22'-2 7/8"	34'-1"	46'-0 1/4"	75'-11 1/8"	12
12 1/2	22'-7 1/2"	47'-7 3/8"	78'-1 1/2"	12'-6 1/4"	12'-5 2"	22'-2 1/8"	47'-1 1/8"	78'-4"	12'-5 3/4"	12'-4 8"	23'-1 1/4"	35'-5 1/2"	47'-10 3/4"	79'-1 1/4"	12 1/2
13	23'-6 3/8"	49'-6 5/8"	82'-1 1/8"	13'-0 1/4"	13'-0 2"	23'-1"	49'-0 1/2"	81'-5 1/8"	12'-11 1/4"	12'-9 8"	23'-11 1/4"	36'-10"	49'-9 1/4"	82'-2 1/4"	13
13 1/2	24'-4 1/4"	51'-5 1/4"	85'-2 1/4"	13'-6 1/4"	13'-5 2"	23'-11 1/4"	50'-11 1/8"	84'-7 3/4"	13'-5 3/4"	13'-4 8"	24'-10 1/8"	38'-2 1/2"	51'-7 1/4"	85'-4 3/8"	13 1/2
14	25'-3 3/8"	53'-3 3/8"	88'-4 3/8"	14'-0 1/4"	14'-0 2"	24'-10 3/8"	52'-10 1/4"	87'-9 5/8"	13'-11 1/4"	13'-9 8"	25'-8 5/8"	39'-7"	53'-6 3/8"	88'-5 3/8"	14
14 1/2	26'-2 1/8"	55'-2 1/2"	91'-6"	14'-6 1/4"	14'-5 2"	25'-9 1/2"	54'-9"	90'-11 1/2"	14'-5 3/4"	14'-4 8"	26'-7 1/8"	40'-11 1/8"	55'-4 7/8"	91'-7 1/2"	14 1/2
15	27'-0 1/4"	57'-1 1/8"	94'-7 1/8"	15'-0 1/4"	15'-0 2"	26'-8 1/4"	56'-7 3/8"	94'-1 1/8"	14'-11 1/4"	14'-9 8"	27'-5 5/8"	42'-3"	57'-3 1/2"	94'-9"	15
16	28'-10 1/8"	60'-10 1/2"	100'-11"	16'-0 1/4"	16'-0 2"	28'-5 3/8"	60'-5 1/2"	100'-5 5/8"	15'-11 1/4"	15'-9 8"	29'-2 1/4"	45'-1 1/4"	61'-0 3/4"	101'-0 1/4"	16
17	30'-7 1/4"	64'-7 1/2"	107'-2 1/4"	17'-0 1/8"	17'-0 1"	30'-3 1/2"	64'-3 1/4"	106'-8 3/8"	16'-11 1/8"	16'-9 9"	30'-11 3/8"	47'-10 1/2"	64'-9 3/8"	107'-3 1/2"	17
18	32'-4 7/8"	68'-5 1/4"	113'-5 5/8"	18'-0 1/8"	18'-0 1"	32'-1 1/8"	68'-0 7/8"	113'-0 3/8"	17'-11 1/8"	17'-9 9"	32'-9"	50'-7 1/4"	68'-7 1/8"	113'-6 3/8"	18
19	34'-2 1/4"	72'-2 5/8"	119'-9"	19'-0 1/8"	19'-0 1"	33'-10 1/4"	71'-10 1/2"	119'-4"	18'-11 1/8"	18'-9 9"	34'-6 3/8"	53'-5"	72'-4 1/2"	119'-10 1/4"	19
20	35'-11 1/4"	76'-0"	126'-0 3/8"	20'-0 1/8"	20'-0 1"	35'-8 3/8"	75'-8"	125'-7 3/8"	19'-11 1/8"	19'-9 9"	36'-3 3/8"	56'-2 1/4"	76'-1 1/4"	126'-1 1/2"	20

CURVED ROADS



THE FORMULÆ AND DIMENSIONS TABULATED ABOVE MAY BE USED WHEN THE MAIN LINES ARE CURVED, PROVIDED THE CROSSOVER ROAD IS CURVED TO THE SAME HAND AND RADIUS; AS SHOWN IN THE SKETCH ABOVE.

OTHER INTERVALS

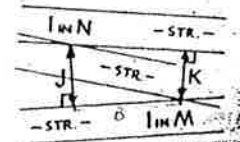
"A" AND "B" FOR OTHER INTERVALS THAN THOSE GIVEN ABOVE MAY BE FOUND AS FOLLOWS :-

EXAMPLE. TO FIND "A" FOR ANGLE 1 IN 8 AND INTERVAL 6'-9"

"A" FOR INTERVAL 6'-6" 14'-8 1/4"
 ADD FOR ADDNL. 1" OF INTERVAL, 8'-0 1/2"
 FOR ADDNL. 3" OF INTERVAL, ADD 24'-0 9" = 2'-0 1/8"
 ∴ DIMENSION "A" FOR 6'-9" INTERVAL, 16'-8 3/8"

[N.B. THIS METHOD DOES NOT APPLY TO "C".]

DIVERGING ROAD



THE FORMULÆ AND DIMENSIONS TABULATED ABOVE MAY BE USED BY TAKING THE CROSSING ANGLE, WITH THE INTERVAL OPPOSITE THE OTHER, MEASURED AS IN THE SKETCH ABOVE. (E.G. 1 IN N WITH INTERVAL K; OR, 1 IN M, WITH INTERVAL J).