



TURNOUT DATA FOR BOLTED TRACK

FROG-R.B.M.

Number	-----	20
Angle	-----	2°-51'-51"
Toe Length	-----	13'-1"
Heel Length	-----	21'-1"
Total Length	-----	34'-2"

SWITCH RAILS

Length	-----	39'-0"
Type	-----	Curved
Switch Angle For Undercut Points	-----	0°-25'-30"
Heel Block Angle	-----	1°-06'-17"
Point of Curve (P.C.)	-----	At Switch Point

LEAD

Point of Switch to 1/2" Point of Frog	-----	154'-6 1/2"
Radius	-----	3289.332'
Degree of Curve	-----	1°-44'-31"
Length of Curved Closure Rail	-----	102'-6 1/2"
Length of Straight Closure Rail	-----	102'-5 1/2"

OFFSETS BEHIND THE HEEL OF FROG

TRACK CENTERS	X	A	B	C	D	E	F	G	H	J	K
12'-2"	61'-0 1/8"	3'-1 1/8"	4'-0 1/2"	4'-10 3/8"	5'-7"	6'-2 1/8"	6'-8"	7'-0 3/8"	7'-3 1/2"	7'-5 1/8"	7'-5 1/2"
13'-0"	77'-8"	3'-11 1/8"	4'-10 1/2"	5'-8 3/8"	6'-5"	7'-0 1/8"	7'-6"	7'-10 3/8"	8'-1 1/2"	8'-3 1/8"	8'-3 1/2"
14'-0"	97'-7 1/8"	4'-11 1/8"	5'-10 1/2"	6'-8 3/8"	7'-5"	8'-0 1/8"	8'-6"	8'-10 3/8"	9'-1 1/2"	9'-3 1/8"	9'-3 1/2"
15'-0"	117'-7 3/8"	5'-11 1/8"	6'-10 1/2"	7'-8 3/8"	8'-5"	9'-0 1/8"	9'-6"	9'-10 3/8"	10'-1 1/2"	10'-3 1/8"	10'-3 1/2"
16'-0"	137'-7 1/2"	6'-11 1/8"	7'-10 1/2"	8'-8 3/8"	9'-5"	10'-0 1/8"	10'-6"	10'-10 3/8"	11'-1 1/2"	11'-3 1/8"	11'-3 1/2"
17'-0"	157'-7 3/8"	7'-11 1/8"	8'-10 1/2"	9'-8 3/8"	10'-5"	11'-0 1/8"	11'-6"	11'-10 3/8"	12'-1 1/2"	12'-3 1/8"	12'-3 1/2"
18'-0"	177'-7 1/4"	8'-11 1/8"	9'-10 1/2"	10'-8 3/8"	11'-5"	12'-0 1/8"	12'-6"	12'-10 3/8"	13'-1 1/2"	13'-3 1/8"	13'-3 1/2"
19'-0"	197'-7"	9'-11 1/8"	10'-10 1/2"	11'-8 3/8"	12'-5"	13'-0 1/8"	13'-6"	13'-10 3/8"	14'-1 1/2"	14'-3 1/8"	14'-3 1/2"
20'-0"	217'-6 7/8"	10'-11 1/8"	11'-10 1/2"	12'-8 3/8"	13'-5"	14'-0 1/8"	14'-6"	14'-10 3/8"	15'-1 1/2"	15'-3 1/8"	15'-3 1/2"

Values for track centers not shown may be determined by interpolation.

NOTES

- The lines of the diagram indicate gage lines.
- For details see the following plans:-
Switch-73179-()
Frog-R.B.M.-74158-() & 74163-()
- For welded turnouts see Plan 73187-() for offsets between the point of switch and the toe of frog.

CONRAIL **73012-B**

STANDARD

OFFSETS FOR NO.20 TURNOUT
FOR 132R.E. or 140R.E. UNDERCUT SWITCH POINTS

MARCH, 1978

Red Smith
Chief Engineer-Maintenance of Way

Bob Gordon
Chief Engineering Officer