BH • EM REA semi-curved B + V- 6 LH for : Midland Central

all dimensions in mm :

template generated at 19:56:27 on 04/01/2018 using Templot v:2.18.a
scale = 4.0 mm/ft scale ratio = 1:76.2
track gauge = 18.2 flangeway gap = 1.0
template: straight
rail head only (bullhead): rails vertical

LH turnout:
REA semi-curved B-size left-hand switch (unjoggled)
1 in 6.00 RAM (1 in 6.04 CLM) regular V-crossing
square-on timbering
---
adjacent track centres main side = 44.67
adjacent track centres turnout side = 44.67
angle at TXP crossover mid-point (CTRL-5) = 9.46 degrees (1 in 6.0 RAM)
angle at TVJP turnout road vee joint (CTRL-6) = 9.46 degrees (1 in 6.0 RAM)
---
overall length = 664.84
approach/exit track in 60 ft rails / 25 sleepers per length (rail length = 240.0):
approach track length = 116.12 (0 full rail lengths + 12 sleepers in 48.38 % of a rail length)
exit track length = 265.48 (1 full rail lengths + 3 sleepers in 10.62 % of a rail length)

turnout-road centre-line radius (at turnout-curve) = 1051.76

switch-curve radius (rail gauge-face) = 2452.0
turnout-curve radius (rail gauge-face) = 1060.86
switch-curve radial centre: X = 90.52 Y = 2442.62 (from CTRL-0)
turnout-curve radial centre: X = 165.94 Y = 1053.53 (from CTRL-0)
V-crossing entry-straight (curve-end to fine-point) = 12.0

switch front (rail-joint to switch-toe) = 21.67
virtual lead (switch-toe to fine-point) = 214.56
actual lead (switch-toe to blunt nose) = 216.07

knuckle bend radius (normal) = 24.0
blunt nose to timber A = 1.33
width of blunt nose = 0.25

wing rail reach length (main-side) = 16.0
wing rail reach length (turnout-side) = 16.0
check rail overall length (main-side) = 52.0
check rail overall length (turnout-side) = 52.0
---
smallest radius on this template = 1052 mm (41.4 ")
total angular swing on this template = 0 degrees (in main road)
---
nominal gauge : T-55 1.000" 5.5 mm/ft 1:55.42 Templot startup
---
template location on trackpad :

rotation : X = 0 Y = 24.0 K = 0 degrees
shift : X = 71.3 Y = [-31.15]
rail-end : X = 71.3 Y = [-7.15]

peg from origin : X = 71.3 Y = 1.95 K = 0 degrees
peg from notch : X = 71.3 Y = 1.95 K = 0 degrees

track centre-line radius at peg = straight
internal geometrical radius = 1328.54 (52.3 ")
external geometrical radius (substitution radius) = 1896.87 (74.68 ")

MEMO :

your memo notes for this template ...