

C-6 Double Crossover with Leading Junction and Right-Hand Turnout - General Description

The C-6 layout is a double crossover configuration with an integrated leading junction featuring a right-hand turnout. This setup is organized into five blocks (Blocks 1, 2, 3, 4, and 6), enabling structured control of train movements across the network, particularly in areas where tracks intersect and diverge.

The layout is equipped with five signals in total: three double-headed signals, one triple-headed signal, and one single-headed signal. The double-headed signals provide directional control within specific blocks, while the triple-headed signal offers enhanced guidance at critical crossover points. The single-headed signal is positioned to assist with specific directional control, especially around the leading junction area. Together, these signals ensure that trains are guided safely and effectively across the layout.

The track configuration includes four double crossover turnouts that facilitate efficient transitions between parallel tracks, allowing trains to switch tracks as needed. Additionally, there is one right-hand turnout positioned at the leading junction, which enables an extra path for trains to enter or exit the mainline. This right-hand turnout at the junction offers greater flexibility in routing options, accommodating complex train movements within the network.

In summary, the C-6 Double Crossover with Leading Junction and Right-Hand Turnout layout is designed for dynamic and flexible train operations. Its combination of a double crossover, multiple signal types, and a leading junction with a right-hand turnout makes it ideal for rail systems that require adaptable routing and precise traffic control across a multi-track network.