

C-7 Double Crossover with Preceding Junction Left-Hand Turnout - General Description

The C-7 layout is a double crossover track configuration featuring a preceding junction with a left-hand turnout, providing versatile routing options for managing train movements across multiple tracks. This layout is divided into five blocks (Blocks 1, 2, 3, 4, and 5), which facilitates organized train control across distinct track segments, especially around the crossover and junction points.

This setup includes five signals: three double-headed signals, one triple-headed signal, and one single-headed signal. The double-headed signals provide directional guidance within individual blocks, while the triple-headed signal offers additional routing options at critical points, enhancing control over complex train paths. The single-headed signal serves a specific role in guiding trains through the junction or crossover area, ensuring smooth and safe navigation.

The layout is equipped with four double crossover turnouts, enabling efficient track transitions between parallel tracks in both directions. Additionally, there is one preceding junction left-hand turnout, which allows trains to enter the mainline from an alternative route before reaching the crossover. This preceding junction offers enhanced flexibility, enabling varied routing possibilities and accommodating complex operational requirements.

In summary, the C-7 Double Crossover with Preceding Junction Left-Hand Turnout layout is designed for high adaptability and precision in train routing. With its combination of multiple signal types, a double crossover, and a left-hand turnout at the junction, this layout is ideal for rail systems that require dynamic and efficient control of train movements across a multi-track network.