

B-9 Double Track Mainline with Crossover Left-Hand Turnouts and Preceding Right-Hand Junction - General Description

The B-9 layout presents a double-track mainline with a crossover using left-hand turnouts, preceded by a right-hand junction. This arrangement allows for enhanced operational flexibility, facilitating both crossover and junction routing options. The track is segmented into five blocks (Blocks 1, 2, 3, 4, and 5), which supports organized control of train movements within each section.

There are five signals positioned throughout the layout, offering clear control over train operations as they move through the blocks, the crossover, and the junction. These signals are critical for managing track occupancy and ensuring safe transitions, particularly in areas where trains switch tracks or enter junctions.

The layout includes three main switches, SW-A, SW-B, and SW-C. SW-A and SW-B form the left-hand crossover, allowing trains to shift between the double mainline tracks as needed. SW-C, located at the preceding right-hand junction, enables trains to enter the mainline from a separate route or siding, adding an extra layer of routing flexibility. This configuration supports both crossover operations and direct access to the mainline via the junction.

In summary, the B-9 layout is designed for robust train routing capabilities, combining a preceding right-hand junction with a left-hand crossover. This setup is well-suited for complex rail networks where flexible and efficient train management is required across a double-track mainline.