

B-6 Double Track Main Crossover with Right-Hand Turnouts and Following Left-Hand Junction - General Description

The B-6 layout features a double-track mainline with a right-hand crossover and a subsequent left-hand junction, offering a versatile setup for managing train movements. This configuration is organized into five blocks (Blocks 1 through 5), allowing for segmented control over train operations and efficient management of traffic flow across the mainline and junction points.

There are five signals positioned throughout the layout to manage traffic through the blocks, ensuring safe passage through the crossover and junction. These signals facilitate clear communication regarding track status, providing vital guidance to trains as they navigate through key areas of the track.

The layout incorporates three critical switches, SW-A, SW-B, and SW-C. SW-B and SW-C form the right-hand turnouts for the crossover, enabling trains to shift between the two mainline tracks. SW-A, located at the left-hand junction, directs trains onto alternative routing paths following the crossover. This combination of right-hand turnouts for the crossover and a left-hand junction enhances operational flexibility by supporting diverse train routing options.

In summary, the B-6 layout is structured for complex rail operations, featuring both crossover and junction capabilities for dynamic routing across a double-track mainline. The integration of right-hand turnouts with a following left-hand junction makes it ideal for scenarios requiring adaptable and efficient train management.