

## **B-11 Double Track Mainline with Crossover Right-Hand Turnouts and Right Parallel Junction Right-Hand Turnout - General Description**

The B-11 layout features a double-track mainline with a crossover using right-hand turnouts and an additional right-hand parallel junction turnout, allowing for a flexible and efficient routing system. This configuration is organized into five blocks (Blocks 1, 2, 3, 4, and 5), providing clear sections for managing train movements and ensuring safe operations across the mainline, crossover, and junction areas.

There are five signals strategically positioned throughout the layout to guide train operations as they proceed through the blocks, crossover, and junction. These signals play an essential role in maintaining control over traffic flow, especially where tracks intersect or diverge.

The layout includes three primary switches, SW-A, SW-B, and SW-C. SW-A and SW-B form the right-hand turnouts that create the crossover, enabling trains to move between the parallel mainline tracks. SW-C is a right-hand parallel junction turnout, allowing trains to merge or exit in parallel with the mainline, providing an additional path for complex routing. This combination of right-hand crossover and parallel junction turnout offers versatile routing options, supporting diverse operational needs within the double-track layout.

In summary, the B-11 layout is designed for adaptable train management, combining crossover and parallel junction functionalities for dynamic routing across the double-track mainline. This configuration is ideal for scenarios that require flexible and efficient train movements within a controlled network.