

B-4 Double Track Mainline with Shared Passing Siding - General Description

The B-4 layout is a complex double-track mainline featuring a shared passing siding that enhances flexibility and operational efficiency. This layout is divided into seven blocks (Blocks 1 through 7), which allow for segmented control over train movements, especially useful when managing simultaneous traffic on the mainline and siding.

A total of ten signals are distributed throughout the layout to monitor and direct train traffic through the blocks. These signals provide clear instructions for trains entering, leaving, or operating within each block, ensuring safe and coordinated train movements on both the mainline and the passing siding.

The layout utilizes six controlling switches (SW-A through SW-F), which manage the entry and exit points to the shared passing siding as well as the crossover movements between the mainline tracks. Each switch plays a crucial role in directing trains onto the passing siding or maintaining their course along the mainline, providing a high level of control over route selection.

Overall, the B-4 Double Track Mainline with Shared Passing Siding is designed for versatile train operations, allowing efficient handling of multiple trains by enabling selective routing and passing maneuvers. This configuration is ideal for scenarios where both high traffic volume and flexible train routing are needed.