

D-1-Triple Track Mainline Track Layout Illustration- General Description

The D-1 layout showcases a “Triple Track Mainline with Diverting Crossover Turnouts.” In railroading, a triple track mainline refers to a layout with three parallel tracks, allowing for high-capacity and flexible train movement, often used in areas requiring multiple routing options for simultaneous train traffic in different directions. The “Diverting Crossover Turnouts” enable trains to switch from one track to another via crossovers, providing operational flexibility and allowing trains to bypass sections or change tracks as needed. This specific layout features right-hand (RH) and left-hand (LH) turnouts to facilitate these crossovers.

This layout is divided into six blocks, which organize the track into segments for better control and management:

West Side: Blocks 2, 4, and 3

East Side: Blocks 7, 6, and 5

The signals in this layout include a total of six signal heads, divided as follows:

Three single-headed signals, providing basic directional control.

Two double-headed signals, allowing more complex aspects for routing and track transitions.

One triple-headed signal, enhancing control with additional routing options, particularly useful for trains transitioning across multiple tracks.

There are four turnouts in this layout, labeled SW-D, SW-A, SW-B, and SW-C. These turnouts form crossover points between the three mainline tracks, with SW-D and SW-A on one side and SW-B and SW-C on the opposite side. Together, these turnouts facilitate track transitions, allowing trains to cross over between tracks in both directions and navigate through the layout with ease.

This triple track mainline with diverting crossovers is ideal for high-traffic scenarios, where multiple trains need to operate simultaneously with the ability to switch tracks for optimal flow. The combination of signals, blocks, and crossovers provides robust control, supporting efficient, multi-directional train operations across a complex track arrangement.