

C-3 Double Crossover with Left-Hand Diverging Turnout - General Description

The C-3 layout is a double crossover configuration incorporating a left-hand diverging turnout, providing enhanced flexibility for routing trains between parallel tracks. This setup is segmented into five blocks (Blocks 10, 13, 14, 15, 16), allowing for organized and controlled train movement within distinct sections of the layout.

This layout includes three double-headed signals and two triple-headed signals. The double-headed signals manage general directional control within blocks, while the triple-headed signals offer additional routing options at critical points, especially near the west bound double crossover turnouts. This arrangement of signals ensures safe and clear communication of track status and train directions.

The layout utilizes four double crossover turnouts, which allow trains to cross between parallel tracks in either direction, enhancing operational flexibility. Additionally, there is one left-hand diverging turnout that provides an extra route option by allowing trains to diverge from the mainline onto a separate track or siding. This diverging turnout adds another layer of routing flexibility, making the layout adaptable for complex train movements.

In summary, the C-3 Double Crossover with Left-Hand Diverging Turnout layout is designed to support versatile and efficient train routing. With multiple blocks, a combination of double- and triple-headed signals, and a left-hand diverging turnout, this configuration is well-suited for high-traffic rail systems that require adaptable and safe management of train operations across a multi-track network.