

SP-6 “Y” Interlocking Fully Signaled Track Layout Illustration - General Description

The SP-6 layout, titled “Y Interlocking Fully Signaled,” represents a configuration in which three track legs converge to form a Y-shaped intersection, fully managed by signals for complete control over train movements. The term “**Y Interlocking Fully Signaled**” refers to an interlocking arrangement where all routes within the Y configuration are monitored and controlled by signals, ensuring safe and regulated train operations across the entire layout.

This layout consists of six blocks:

Blocks: 2, 3, 4, 5, 6, and 7. These blocks segment the Y layout to manage train movements more effectively across each track section.

The signaling system includes a total of nine signals:

Signals: There are six single-headed signals and three double-headed signals, strategically placed to provide comprehensive control over all legs of the Y configuration. This fully signaled setup allows precise control and clear indications for each direction within the interlocking.

The layout contains three turnouts:

Turnouts SW-A, SW-B, and SW-C allow for directional transitions between the mainline and the two diverging legs of the Y. These turnouts enable trains to switch between routes at the junction points, providing flexibility in train routing within the Y interlock.

This fully signaled Y interlocking layout is suitable for complex rail operations where full control of all entry and exit points is essential. The combination of signals, blocks, and turnouts ensures maximum safety, allowing trains to navigate the Y-shaped intersection efficiently. This configuration is particularly useful for scenarios with high train traffic and frequent route changes, providing an organized and secure layout for rail traffic management.