

## Extending the Automatic Stop Zone on Kline by Lionel City Streets Frank Kammer, Queen City HiRailers

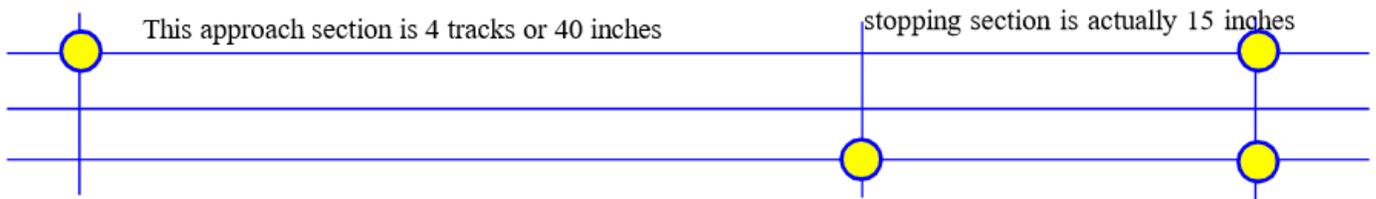
The information in this article is shared to enhance a previously published well written article by William Fuller, printed in O-gauge Railroad magazine in December 2015. His directions have proven to work well. Below is additional information for operating an Automatic Stop Zone on Kline by Lionel City Streets using a longer control track. This extension of the control track allows the stop to work better with vehicles running at different speeds on the same setting of the transformer. In particular when a faster vehicles is entering the stop area and a slower vehicle is staged to leave.



The picture above shows the yellow truck proceeding through the approach section and causing the red vehicle to exit the stopping point. The three vehicles at right angle to track are at the isolation points. By adding 5 inches to the stopping area, faster vehicles have adequate distance to slow and stop without running through the stopping zone. This added buffer helps avoid rear end crashes by allowing a slower vehicle time to exit the stopping zone. We have found this extension of the automatic stopping zone to provide simpler operation with a variety of cars.

### See Details below.

- This is plastic separations in the outer rails only. Power remains all the way through.  
We isolated the outer rails on 5 sections of track 10 inch and one 5 inch section of track.

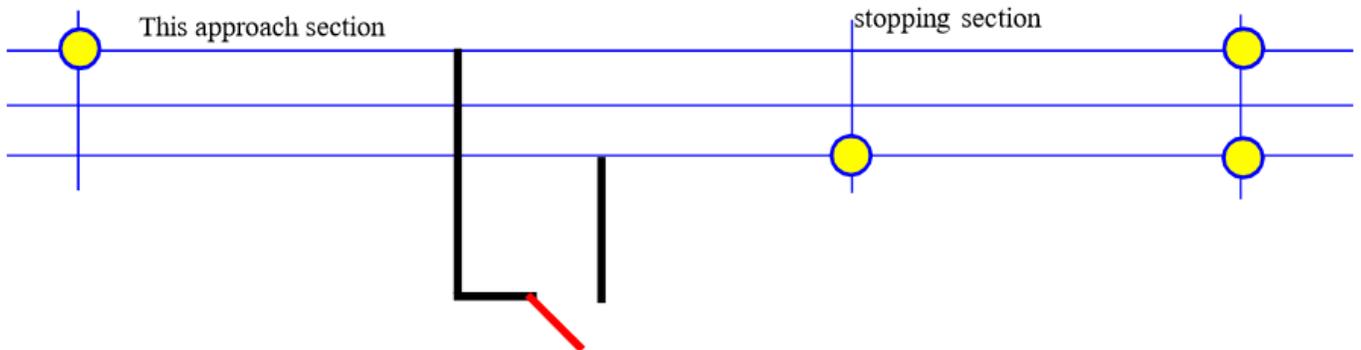


We isolated the outer rails on 5 sections of 10 inch track and one 5 inch section of track. The approach section is 4 tracks or 40 inches long and the stopping section is 15 inches long. Cut all sections to isolate the outer rails from each other in the approach and exit sections. This has to be done on all 6 sections of track



The 2 tracks above are original. This single rack above has a section removed from the outer track connector to isolate the rails.

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Above is the simple way to cause the vehicles to stop or to continue through the block.

Attach a wire to the section of isolated outer rail within the approach or stopping sections and then attach the other end to a toggle switch.

Attach a second wire to the toggle switch and then the other end to the ground rail anywhere not isolated or directly to the common side of the transformer.

Keep the toggle switch in the open position and the vehicles will stop and start automatically.

Close the toggle switch and the vehicles will run through the stopping section.

Photos and article by Frank Kammer  
Queen City HiRailers