



METROLINK

PROGRAM DELIVERY

Wireless Crossing Nearside Station Stop System Technology

Metrolink prioritizes and provides modern safety procedures to maintain the highest quality experience for the communities we serve. The most recent example is the implementation of Wireless Crossing Nearside Station Stop System technology, which allows vehicles and pedestrians to encounter shorter wait times at crossings near Metrolink stations.

What is Wireless Crossing Nearside Station Stop System Technology?

Wireless Crossing Nearside Station Stop (WCNSS) is a technology that forestalls crossing gate arms from activating at crossings that are adjacent to a station when the train is stopping at the station and not immediately entering the crossing. This technology provides safety and operational benefits by allowing pedestrian and roadway traffic to continue use of the crossing while the train is stopped at a station rather than having the gates go down unnecessarily.

How it works:

Prior to Wireless Crossing Nearside Station Stop technology, railroad crossings downstream of a station would activate as the train approached the station even though the train was scheduled to make a station stop. Once the train makes a station stop and remains stopped at the station, crossing gates would recover allowing vehicular and pedestrian traffic to proceed. Once the train started to depart the station, the crossing gate would activate, stopping traffic once again. With Wireless Crossing Nearside Station technology, the crossings downstream of the station will remain up as the train approaches the station and makes a station stop; crossing will only activate when the train departs the station under conventional means.

The benefits:

Wireless Crossing Nearside Station Stop technology alleviates roadway traffic at crossings downstream of Metrolink stations and upgrades crossings throughout the five counties Metrolink serves. Assisting the traveling public by limiting crossing gate downtimes and “ghost train” confusion. Additional benefits include:

- Decreasing the amount of time gates are in the down position at designated crossings due to passenger train stops at stations
- Extending the life of the crossing equipment
- Lessening impacts on vehicle and pedestrian traffic
- Minimizing delays and confusion at crossings near stations

Why is it important?

With an expected increase in traffic due to the 2028 Olympics and Paralympics, Wireless Crossing Nearside Station Stop Technology will help prevent bottlenecks and ease delays near Metrolink stations by increasing efficiency of the Metrolink railroad crossings for vehicles.



Have a question or comment about the Wireless Crossing Nearside Station Stop Technology?

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