

# SEPTA Sharon Hill Line CBTC

## Opportunity:

- Communication Based Train Control (CBTC) systems are being deployed in metropolitan areas to allow more trains to reside on the same tracks to increase the number of passengers per hour.

## Challenge:

- Provide a dedicated license free wireless network owned by SEPTA providing continuous 5 9's of reliability through Philadelphia which has high Rf noise and limited line of sight over 15 miles of track.

## Solution:

- Rajant Mobile BreadCrumbs – connecting 30 trains to 45 trackside locations using dual radio 4.9 and 5.8GHz Kinetic Mesh which provides higher 9's of reliability using 2 radios while providing more points of connectivity.

