The Real Time Passenger Information (RTPI) sign concept was developed by the New York City Department of Transportation in conjunction with the MTA.

Traffic Systems, Inc. (TSI), Fältcom, Daktronics Inc, and STV, Inc. were tasked with developing sign prototypes that would utilize data extracted from the NYC MTA Bus Time application. Several sample deployments that included solar powered and 120VAC powered units were installed in Staten Island. The signs produced positive public feedback and the New York City Department of Transportation was awarded the "ITS Project of the Year" at ITS NY in Saratoga.

Daktronics Inc., a leader in the electronic display industry and Fältcom, a prominent Swedish IoT technology company provided an innovative approach using MiiPs, a LINUX based "SMART CELLULAR MODEM" to help bring this concept to reality. This technology allows NYC, via their wireless network, to monitor the "Health" of each RTPI sign to ensure that it is fully operational.

Traffic Systems, Inc. has been awarded a contract to install more than 300 RTPI signs throughout the five boroughs. The RTPI signs initially installed on the CITY's NYCWiN wireless network are also being installed on commercial carriers. TSI has also been contracted by the city under an Engineering Services Agreement to develop an API to be incorporated into the NYCDOT Traffic System GUI. This will allow the city on their existing map, to monitor the RTPI sign condition and verify the information being displayed.