

Project Summary Table

Project Title	Regional Integration of Intelligent Transportation Systems (RIITS) South-Bay SMART-Net Integration	Los Angeles County Department of Public Works Traffic Signal Control South-Bay SMART-Net Integration	Manhattan Beach Central Traffic Signal Control South Bay SMART-Net Integration	Signal Phase and Timing (SPAT) Data Sharing SMART-Net Integration
Project Summary	Establish a high-speed connection through the South Bay SMART-Net to connect RIITS to a broadband internet service provider to improve regional transportation data exchange.	Establish a virtual private network (VPN) connection through the South Bay SMART-Net to connect traffic signal control field elements in 10 South Bay cities.	Establish a virtual private network (VPN) connection through the South Bay SMART-Net to connect City of Manhattan Beach traffic signal control field elements to the County TMC.	Establish a secured connection through the South Bay SMART-Net to connect the City of Torrance central traffic control system (TCS) to a third party data server.
Benefits	Enhances traffic management operations, system performance evaluation, and regional transportation data distribution.	Increases ability to centrally monitor and control the signalized intersections along the major arterial corridors in the South Bay.	Allows the County to more consistently leverage the capabilities of the County central traffic control system used in Manhattan Beach.	Reduces harsh driving maneuvers, improved acceleration/deceleration at intersections, and maintain safe driving speeds along streets.
Need	Provides broadband redundancy to improve access to data that supports real-time transportation operations.	Creates necessary communications redundancy to minimize any potential disruption in connectivity to field signal traffic control elements.	Creates a necessary communications redundancy to minimize any potential disruption to central management of signalized intersections.	Establishes high-speed connection between local TCS and third party data providers to support second-by-second SPaT broadcast.
Dependencies	Requires physical SMART-Net connection	Requires physical SMART-Net connection	Requires physical SMART-Net connection	Requires physical SMART-Net connection
Funding	Project is covered under the SMART-Net grant and RIITS program.	Project is covered under the SMART-Net grant and existing Traffic Forum funding.	Project is covered under the SMART-Net grant and future City of Manhattan Beach project.	Project is covered under the SMART-Net grant and through third party support.
Schedule	To be completed within 2 months of establishing SMART-Net broadband connection.	To be completed within 2 months of establishing SMART-Net broadband connection.	To be completed within 2 months of establishing SMART-Net broadband connection.	To be completed within 2 months of establishing SMART-Net broadband connection.
Agency Concurrence	Yes	Yes	Yes	Yes