I-95 Corridor Improvement Plan

Operational and Freeway Improvement Strategies

Foundational Solutions

CCTV Cameras

Detect incidents and provide visual verification and situational awareness of incidents that helps facilitate improved emergency response.

Changeable Message Signs (CMS)

Changeable message signs inform drivers of incident conditions ahead, and can be used to help manage detours.

Safety Service Patrol

Support vehicles that detect incidents, provide incident scene support, help stranded motorists, and clear obstructions and debris from the roadway.

Quick Clearance Towing Programs

Contract towing services that are activated as incidents are detected.

Innovative Solutions

Variable Speed Limits

Adjustable speed limit signs that change the speed limit based on the ideal speed to reduce traffic congestion and harmonize the traffic flow.

Ramp Metering

Meter traffic on ramps merging on to freeways to ease traffic congestion.

Hard Shoulder Running

Shoulders may be opened using changeable message signs to vehicles during times of heavy congestion.

Queue Warning Application

Cameras are used to detect backups and motorists are informed as they approach backups.

Partial Interchange Lighting

Lighting of interchanges, exit ramps, and on-ramps to provide drivers greater visibility and reduces the likelihood of accidents.

Geofenced Emergency Notifications

Send emergency alert broadcast about major road closures to nearby motorists.

Advanced Workzone Management Program

Deploy advanced technologies that manage work zones and provides real-time work zone information.

UAS (Unmanned Aerial Systems) Program

Quickly deploy unmanned aerial systems that take measurements and pictures of a crash to expedite crash investigations. Can also be used for ongoing traffic and incident monitoring.

Advanced Traffic Incident Management – Freeway and Parallel Facilities

Freeway Incident Management

Use of all available assets coordinated by a dedicated Incident Management Coordinator to quickly assess and safely clear an incident.

Parallel Facilities

Use of parallel facilities and supporting parallel facilities' Changeable Message Signs and Signal Timings to move traffic past an incident on the freeway.

Regional Multimodal Mobility Program (RM3P)

Commuter Parking Information System

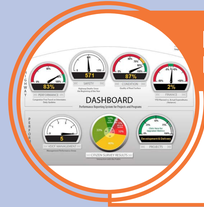
Use of crowd source data and historical parking trends to share commuter lot occupancy through third party apps, 511, agency websites, social media, and changeable message signs.

Predicted Artificial Intelligence (AI) Based Decision Support System

Leveraging existing data on incidents, crashes, weather, and demand with AI to pre-stage traffic management assets and coordinate responses throughout the region.

Corridor Based Dynamic Incentivization

A data driven incentive program to encourage commuters to chose alternate forms of transportation or to telework during times of congestion.



Mobility as a Service Dynamic Service Gap Dashboard

A dashboard to assist mobility providers in identifying areas of improvement and where commuters can be encouraged to use different forms of transportation.

Data and Data Storage

A centralized cloud based data collection and access system to be used by transportation providers to improve their services.