



Active Traffic Management System

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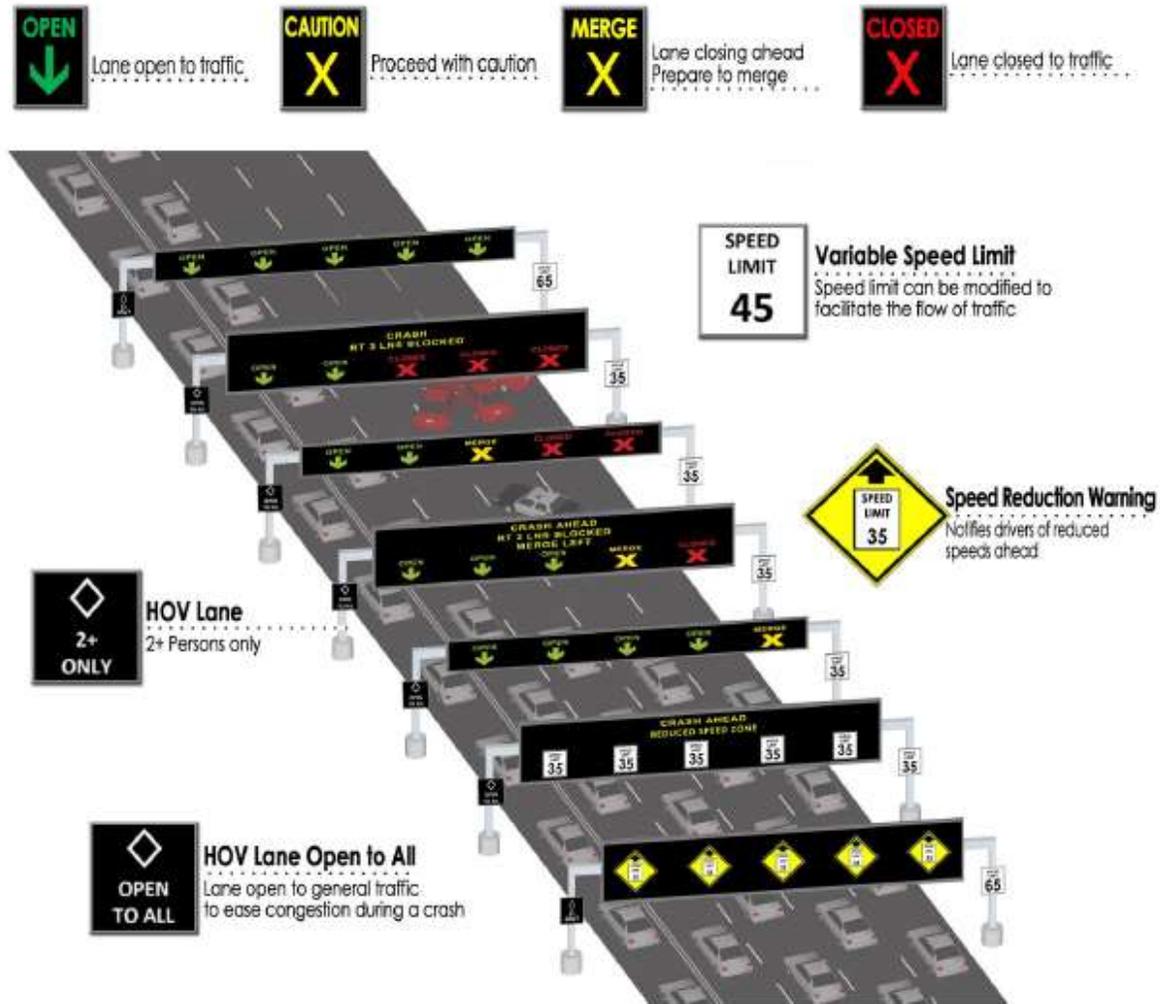
05/18/2022

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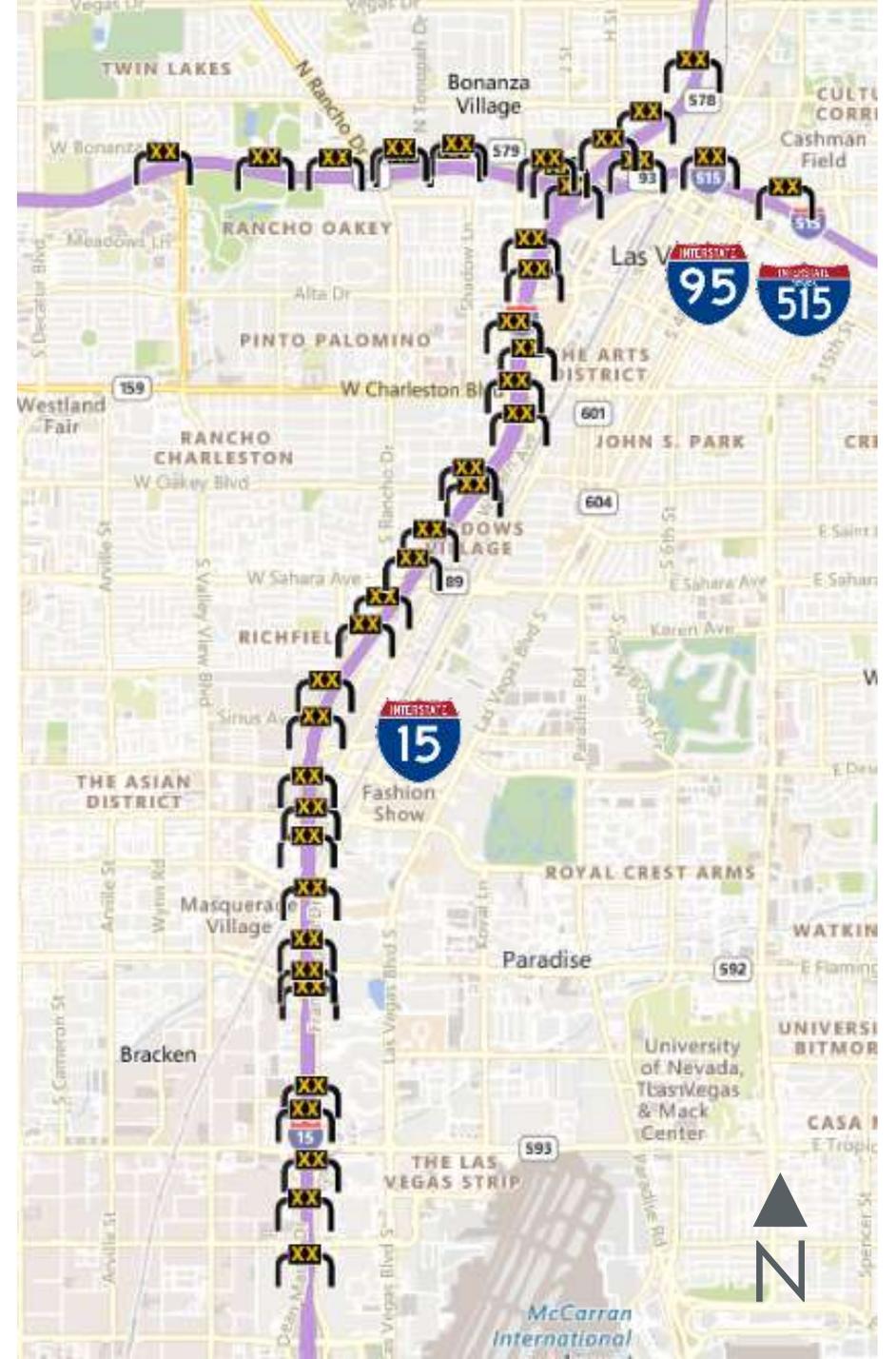
1 Overview

FACTS



- 42 Signs
- Go LIVE on 3/25/2020
- HOV OPEN TO ALL
- Variable Speed Limits
- Lane Control

- 42 Signs
- Along I-15 and US95/I-515





BENEFITS

- Improved trip reliability and traffic movement
- Improved traveler information
- Reduced travel time and more consistent, accurate travel time through the corridor
- Increased safety with the potential to reduce the number and severity of crashes



2 Features

ATM FEATURES – MANUAL



ATM FEATURES – AUTOMATED



INCIDENT MANAGEMENT

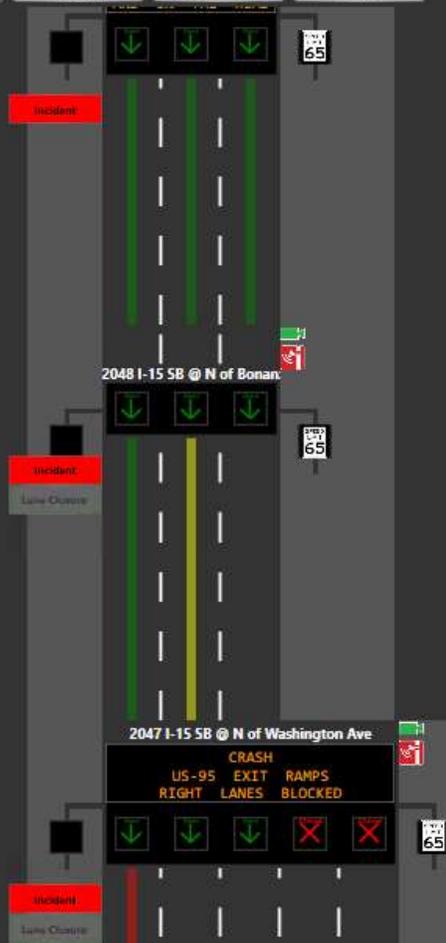
NDOT Advanced Traffic Management System

System Detection FMS ATM **Map** Alerts
3 | Stop Time (0) Alerts (32/32) ATM Servers Database

Corridor Real Time - I-15 NB Corridor Real Time - I-15 SB

CCTV Viewer

Toggle Layers Zoom Level New Scenario
Gantries Only Traffic Lane Control DMS



Available Cameras (811)



HOV OPEN TO ALL



WRONG WAY DRIVER



SPEED HARMONIZATION

FAST Advanced Traffic Management System

Home Detection FMS ATM **Map** Alerts

Stop Time (0) Alerts (3/3) ATM Servers Database

Corridor Real Time - I-15 NB Corridor Real Time - I-15 SB **CCTV Viewer**

Toggle Layers Traffic Lane Control DMS Zoom Level New Scenario

Available Cameras (811)

The screenshot displays the FAST Advanced Traffic Management System interface. The top navigation bar includes 'Home Detection', 'FMS', 'ATM', 'Map', and 'Alerts'. Below this, there are status indicators for 'Stop Time (0)', 'Alerts (3/3)', 'ATM', 'Servers', and 'Database'. The main interface is divided into several sections. On the left, there is a 'Toggle Layers' section with 'Traffic', 'Lane Control', and 'DMS' options, and a 'Zoom Level' slider. Below this is a map of I-15 with several camera locations marked. The 'CCTV Viewer' section on the right shows four camera feeds. The top-left feed is labeled '114 15/SPRING MTN' and shows a highway interchange. The top-right feed is labeled '113 I-15/DESERT INN SOUTH' and shows a highway with speed limit signs. The bottom-left feed is labeled '1111 ATM-2057' and shows a highway with speed limit signs. The bottom-right feed is labeled '1107 ATM-2056' and shows a highway with speed limit signs and a 'AREA 15' sign.

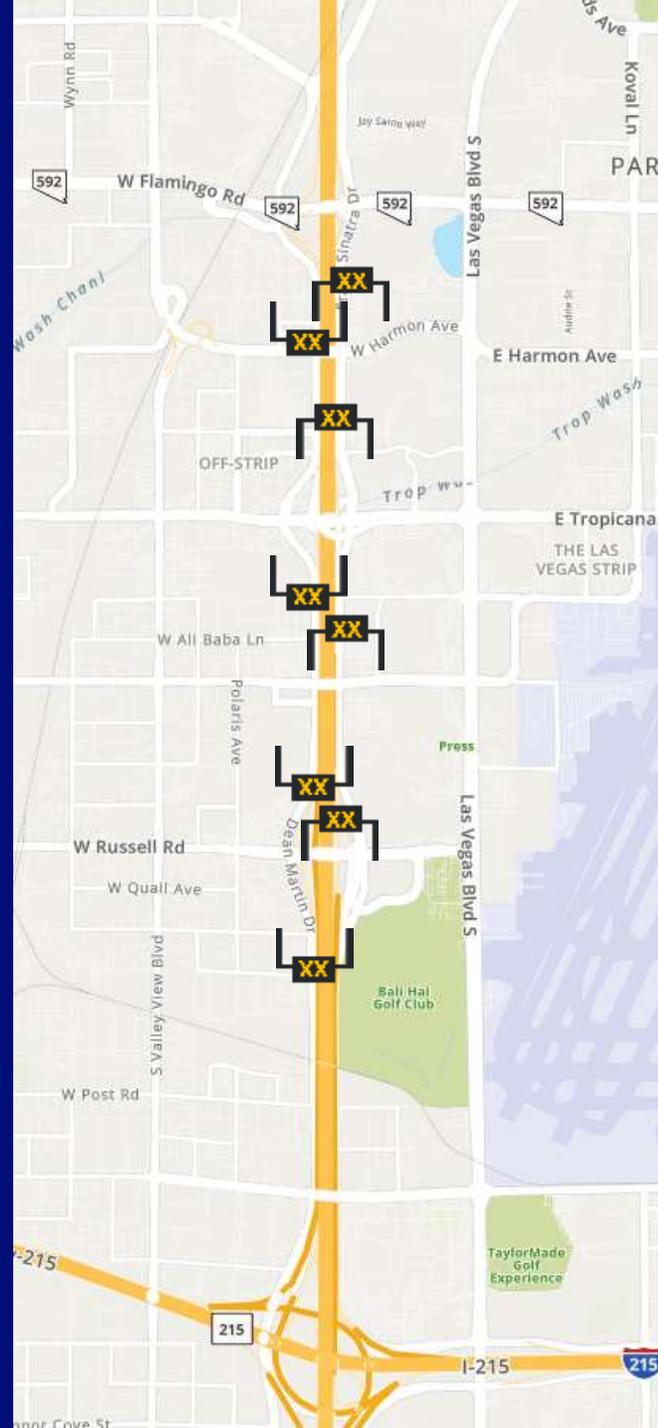




3 Opportunities

ATM FUTURE – TROPICANA INTERCHANGE PROJECT

- 8 new ATM gantries





ATM FUTURE – ATCMTD GRANT US 95 INTEGRATED SAFETY CORRIDOR

- 10 gantries, 8 WWDS, 2 STMS, 2 HOV Detection Systems



4 Future Initiatives

NDOT ITS & ATM Statewide Master Plan

- Urban ATM Focus Areas:
 - Las Vegas ATM Expansion
 - Reno/Sparks ATM Deployment
- Rural ATM "Lite" Focus Areas:
 - Weather/Visibility
 - Mountain Passes
 - Statewide Communications

ATM Strategies:

Adaptive Ramp Metering
Adaptive Traffic Signal Control
Dynamic Junction Control
Dynamic Lane Reversal
Dynamic Lane Use Control
Dynamic Merge Control
Dynamic Shoulder Use
Dynamic Speed Limit
Queue Warning

Other TSMO Strategy Categories:

Arterial Management (Signal Mgmt,
Signal Timing, ATSPM)
Bottleneck Mitigation
Congestion Pricing
Integrated Corridor Management
(ICM)
Emergency Transportation
Operations
Freeway Management (Ramp Mgmt,
TMC, Config Mgmt)
Freight Technology and Operations
Incentives
Managed Lanes
Planned Special Events Traffic
Management
Road Weather Management
Real-Time Traveler Information
Traffic Incident Management
Transit Operations and Management
Work Zone Management

For more information about ATM,
please visit the RTC & NDOT websites:



rtcsnv.com

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