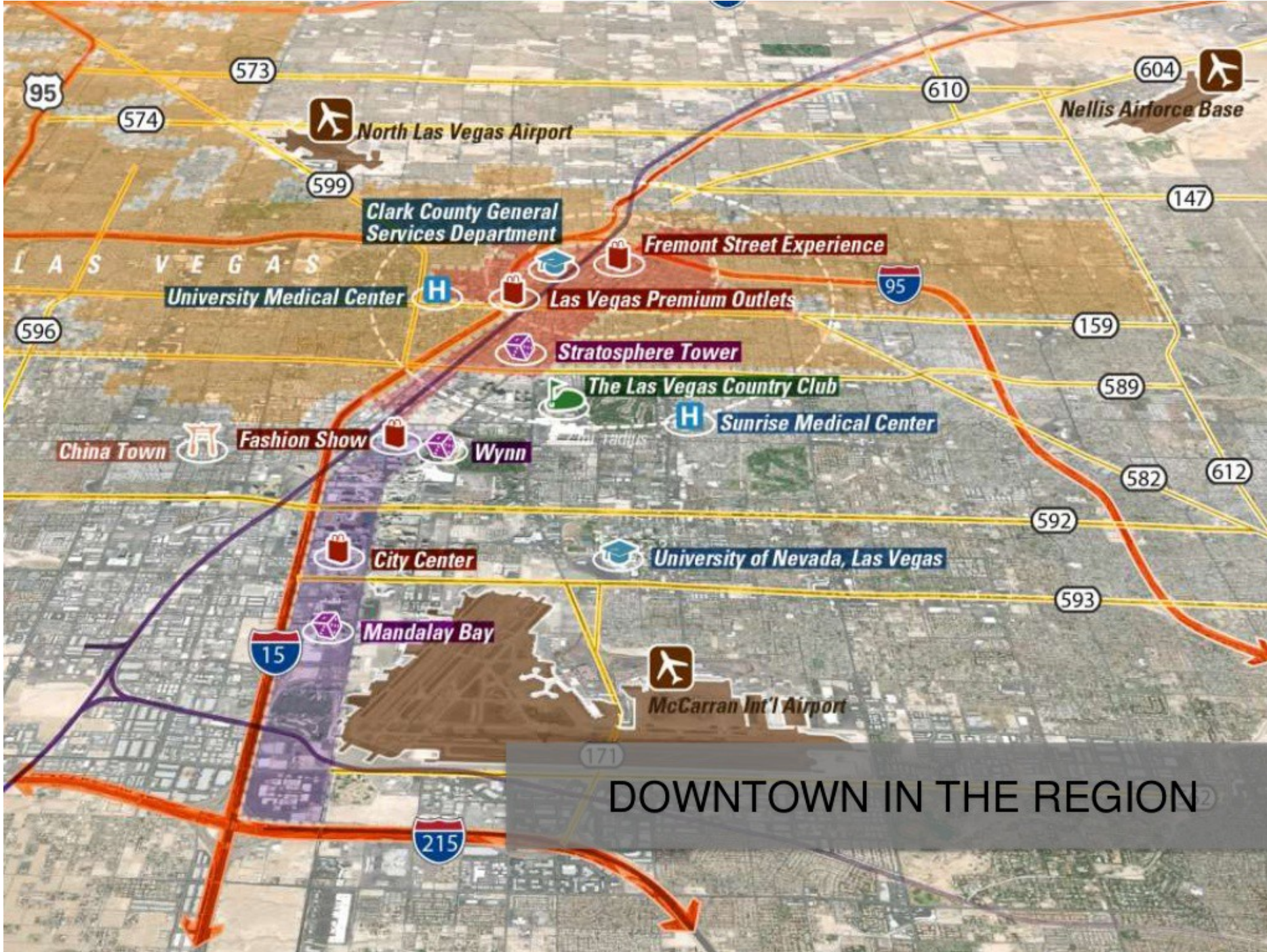


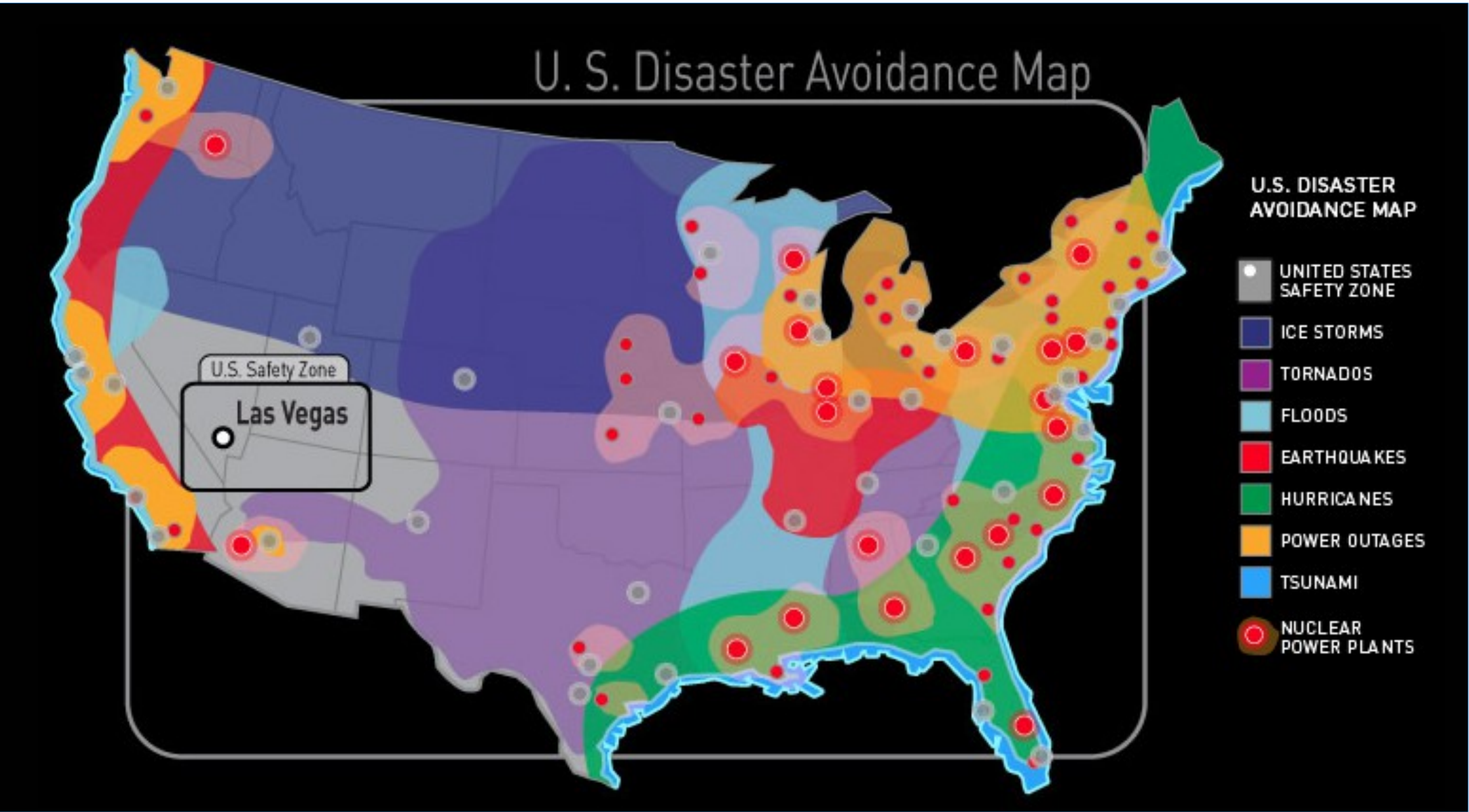
City of Las Vegas Smart & Connected City Opportunity Landscape





DOWNTOWN IN THE REGION

U. S. Disaster Avoidance Map





Highlights from Smart City Application



Project 1: AV/CV Test Beds



Project 2: Smart Transit Program



Project 3: Vehicle to Pedestrian Safety Improvement Project



Project 4: Downtown Bike Share Safety Project



Project 5: Smart Wayfinding Signage



Project 6: Downtown Traffic Monitoring & Measurement



Project 7: ParkMe Real-time Parking



Project 8: Solar Charging & Smart Monitoring



Project 9: Smart Metering for City Streetlights



Project 10: Advanced Emergency Response Integration

Project 11: City of Las Vegas Fleet

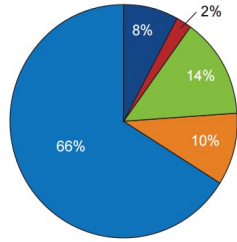




2016 Fatal Crashes in Clark County are up 12% as compared to 2015 (YTD)

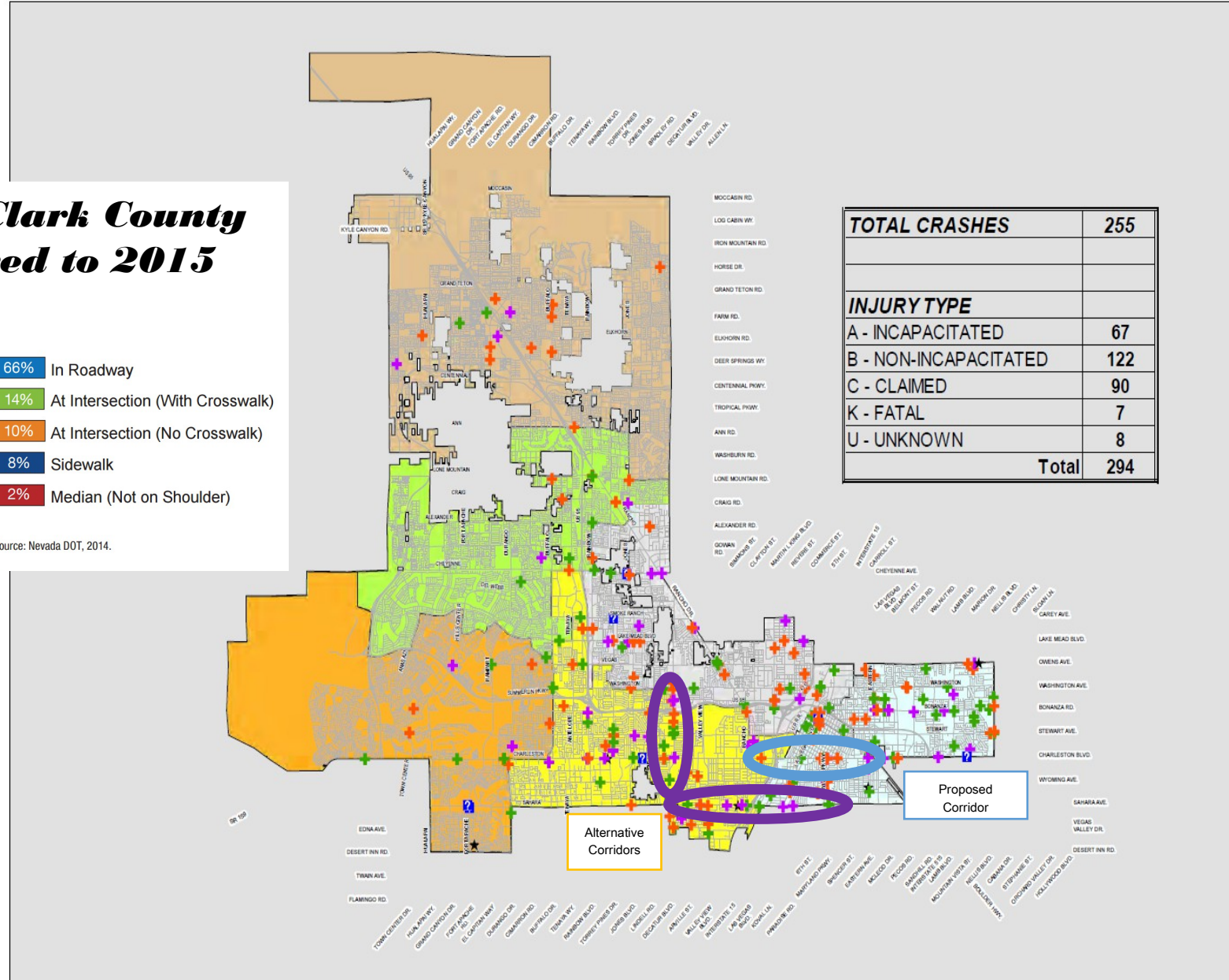
WHERE?

A majority (66 percent) of the pedestrian fatalities and injuries occurred midblock on a roadway. Pedestrian fatalities and serious injuries on marked crosswalks were also substantial (14 percent).



- 66% In Roadway
- 14% At Intersection (With Crosswalk)
- 10% At Intersection (No Crosswalk)
- 8% Sidewalk
- 2% Median (Not on Shoulder)

Source: Nevada DOT, 2014.



TOTAL CRASHES		255
INJURY TYPE		
A - INCAPACITATED		67
B - NON-INCAPACITATED		122
C - CLAIMED		90
K - FATAL		7
U - UNKNOWN		8
Total		294

Legend

- + Incapacitated
- + Non-Incapacitated
- + Claimed Injury
- ★ Fatal
- ? Unknown
- Ward 1
- Ward 2
- Ward 3
- Ward 4
- Ward 5
- Ward 6

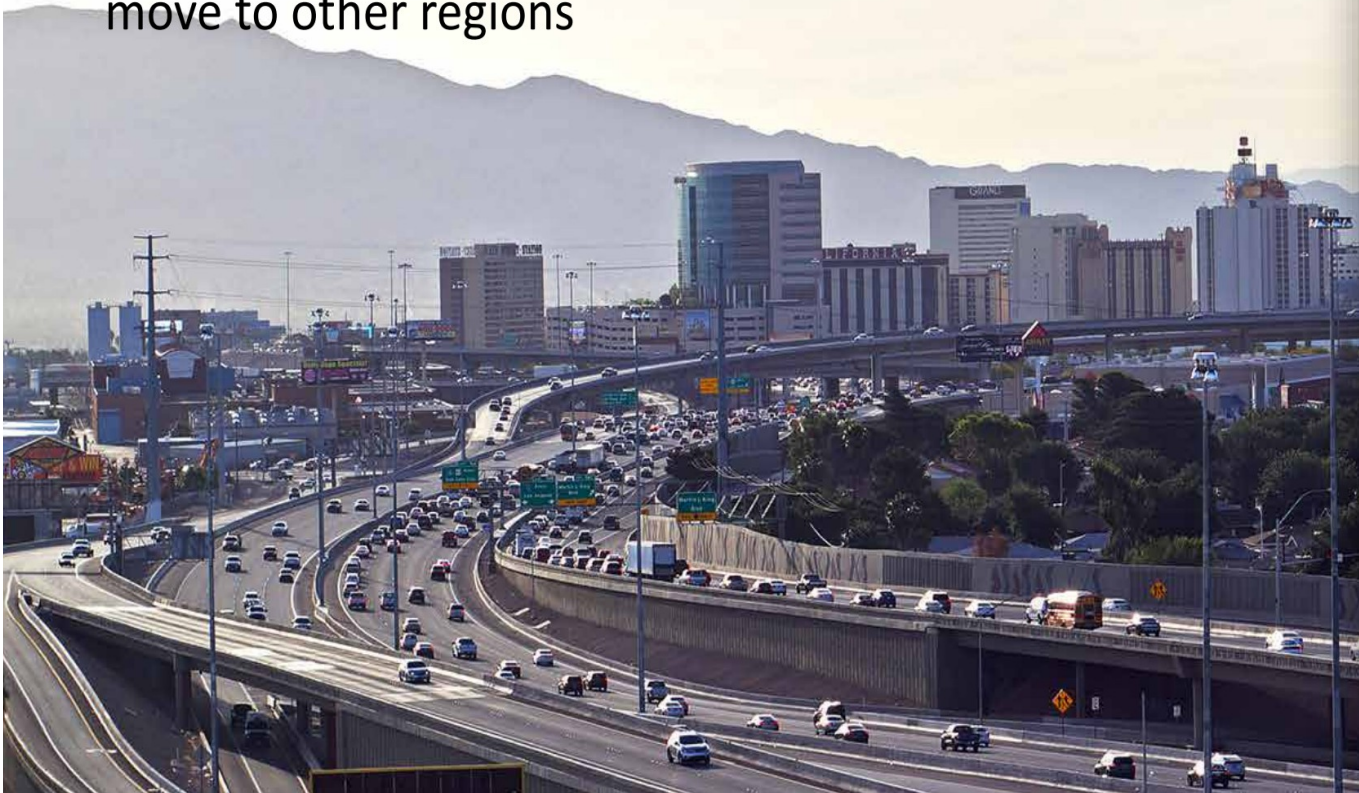


DATE: 8/3/2016

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Our Future without Transportation Improvements

- Drivers sit in traffic for hours
- Increase in the number of traffic incidents
- The economy stagnates as businesses and jobs move to other regions

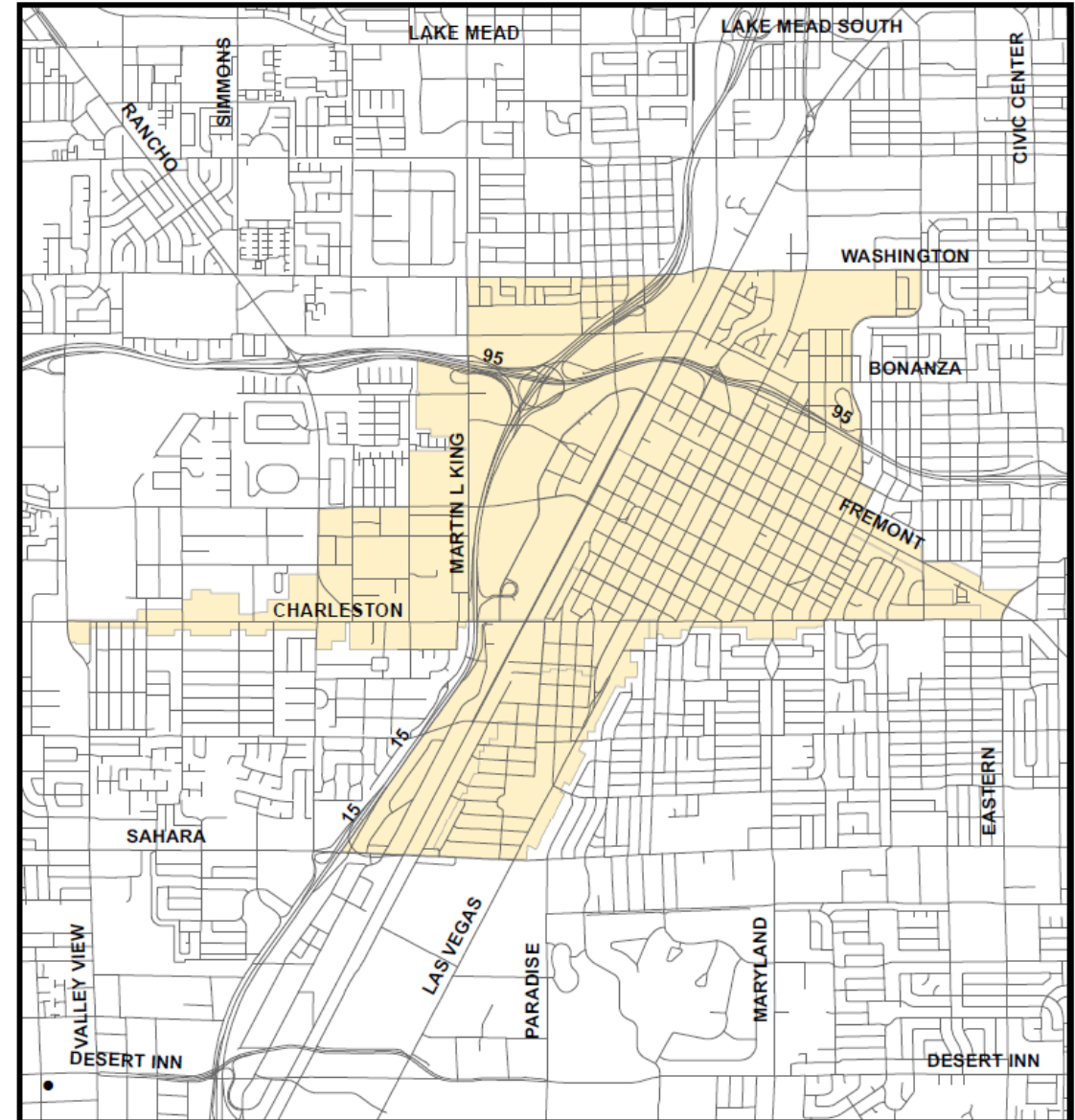


Innovation District

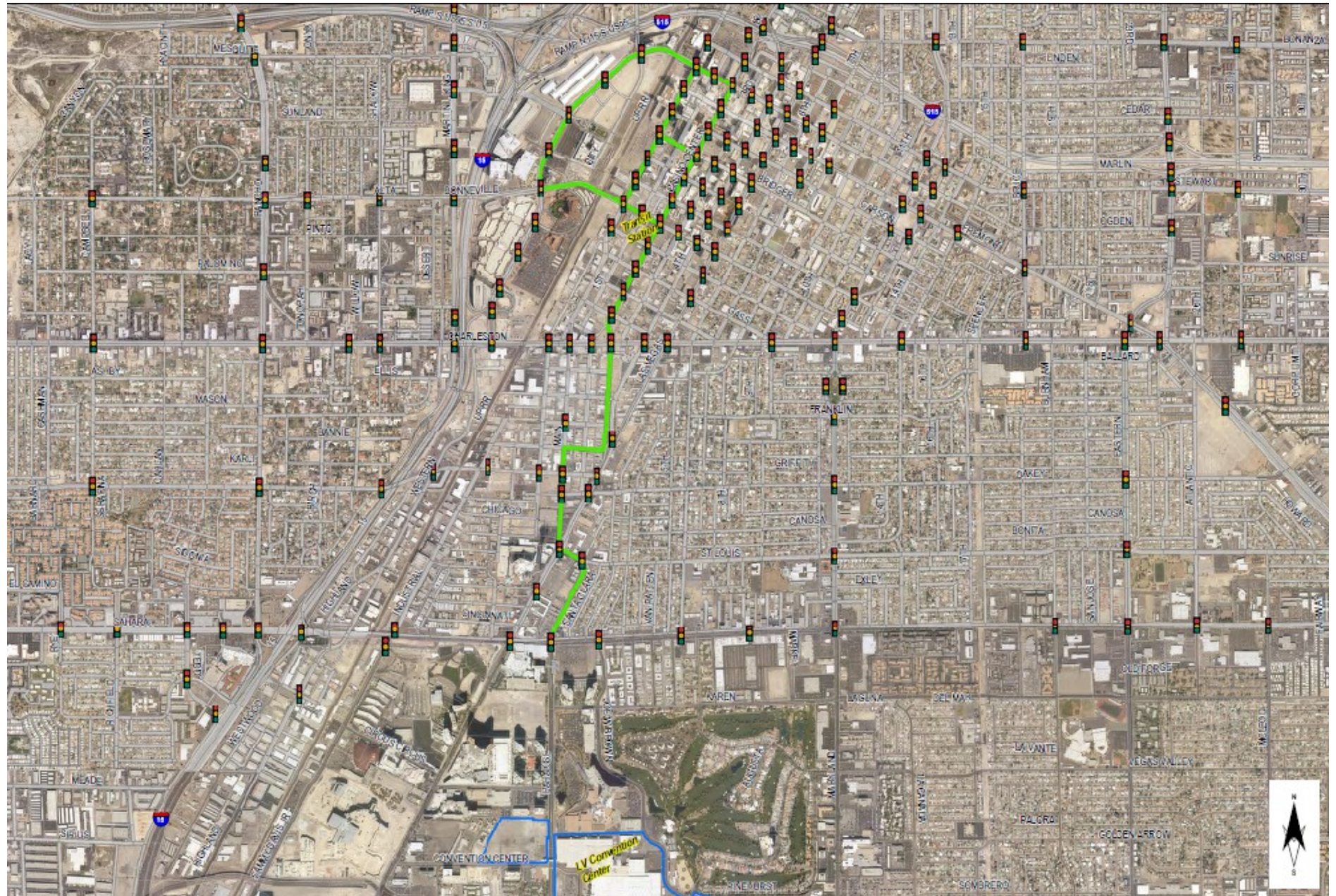
R-4-2016

1 RESOLUTION ESTABLISHING DOWNTOWN LAS VEGAS AS AN INNOVATION DISTRICT
2 FOR PURPOSES OF PROMOTING AND ADOPTING NEW TRANSPORTATION
INFRASTRUCTURE AND MOBILITY TECHNOLOGIES

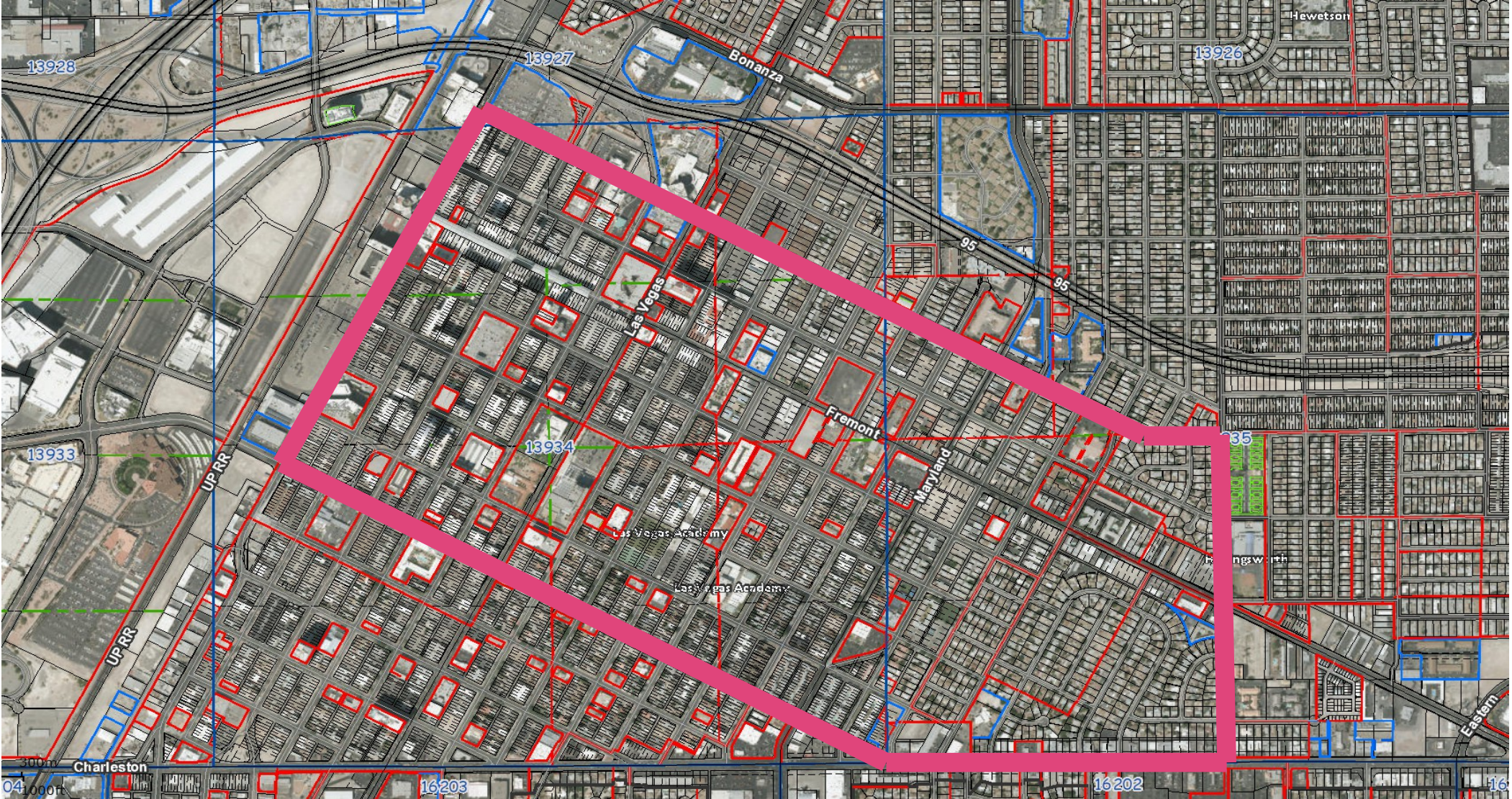
- Adopted by City Council on February 3, 2016
- Designates downtown Las Vegas as an Innovation District
- Resolution developed to:
 - Allows City staff to establish policies and procedures
 - Adopt new transportation infrastructure and mobility technologies
 - Create Partnerships with AV and mobility technology companies to establish demonstration sites



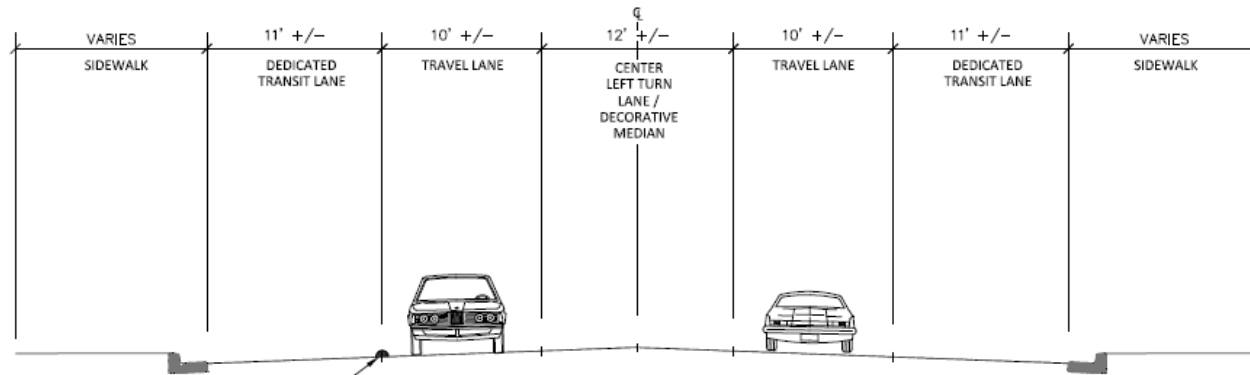
Connected Vehicle Corridor



Downtown Demonstration and Testing Area



Autonomous Transit Pilot Project

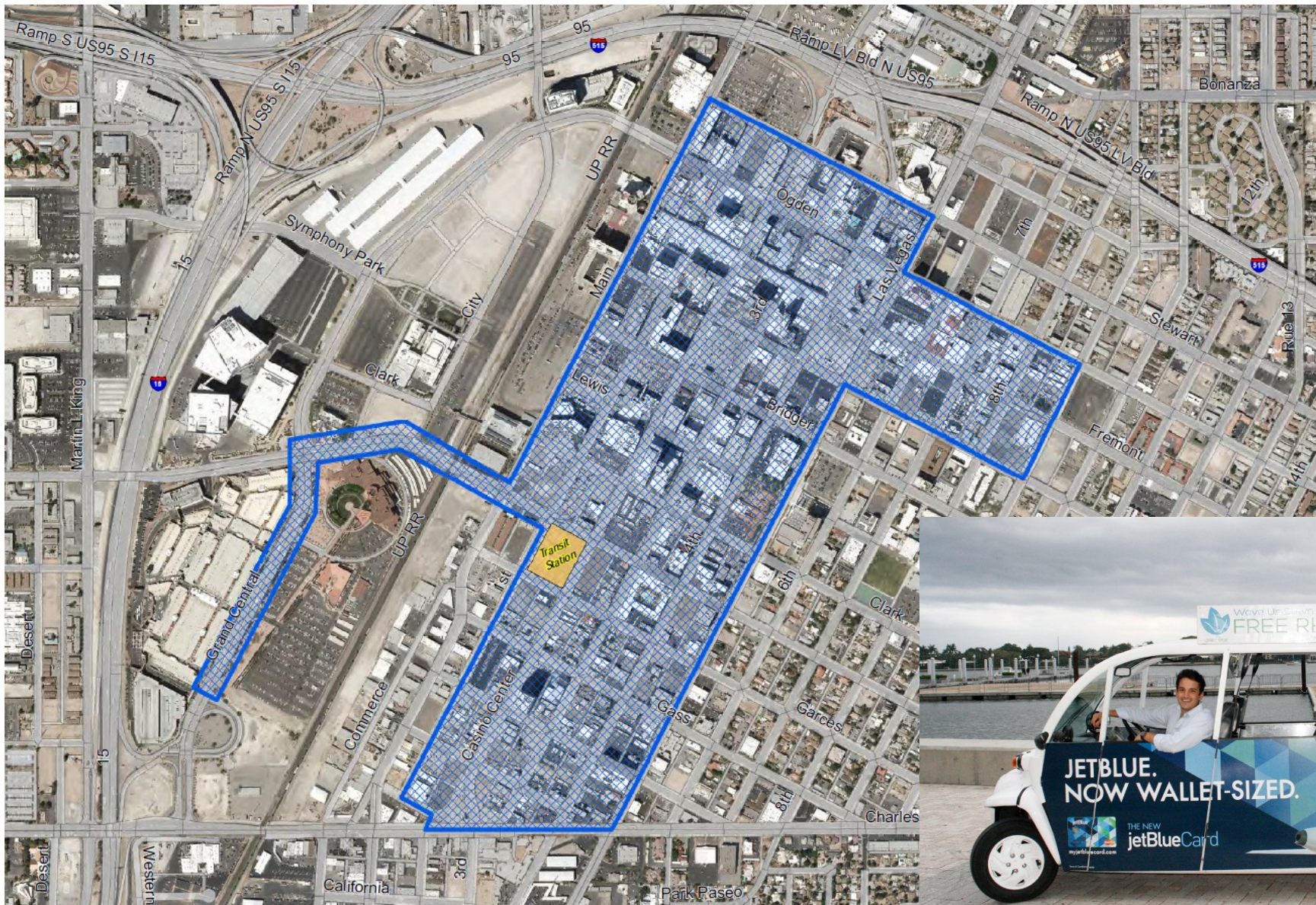


OPTIONAL
INTERMITTENT
BARRIER BETWEEN
TRAVEL LANE IF
REQUIRED FOR
PILOT TEST

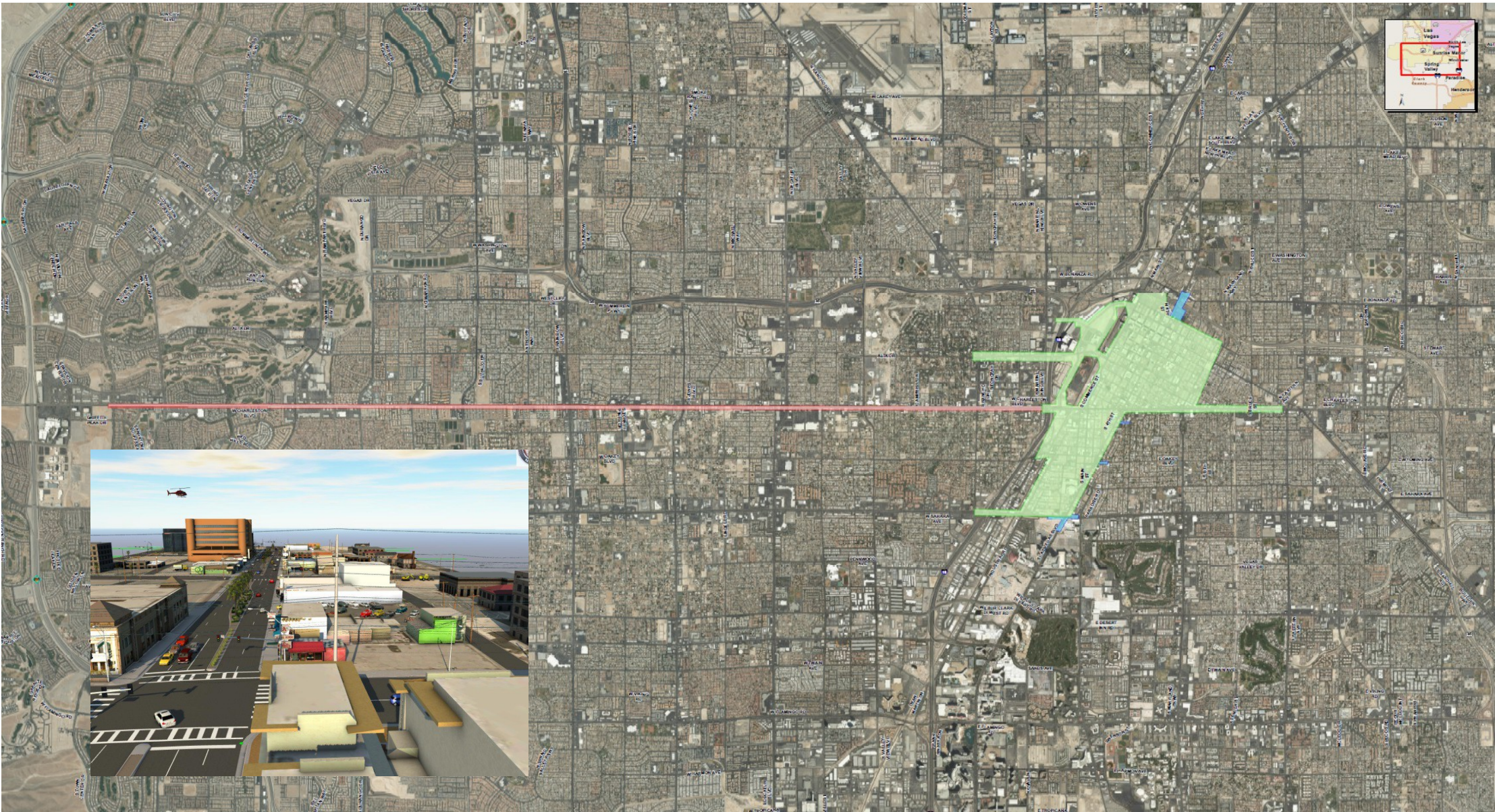
GENERAL CROSS-SECTION OF
FREMONT STREET
(8TH STREET TO 15TH STREET)



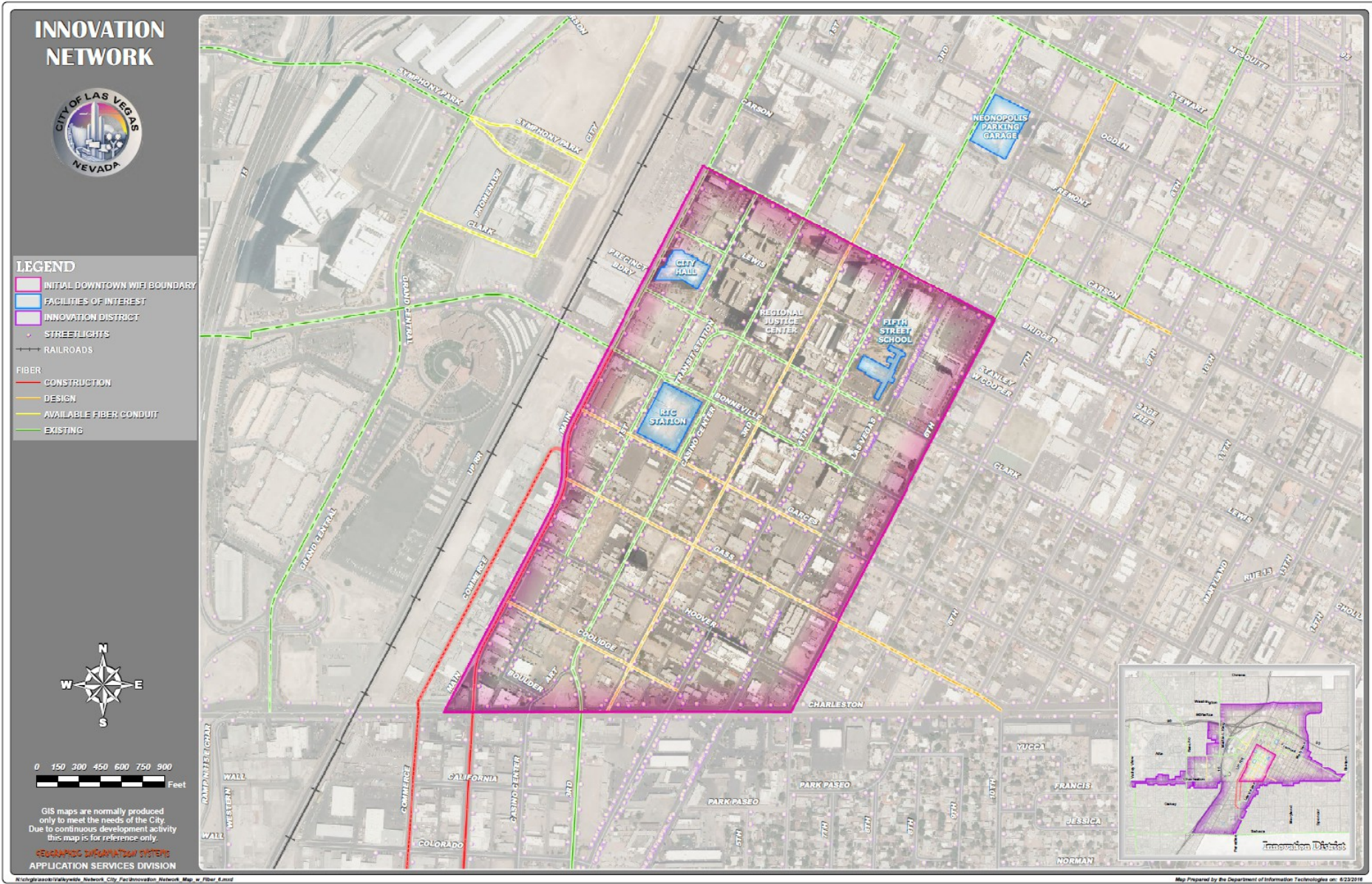
Downtown Circulator



LIDAR Mapping of Downtown

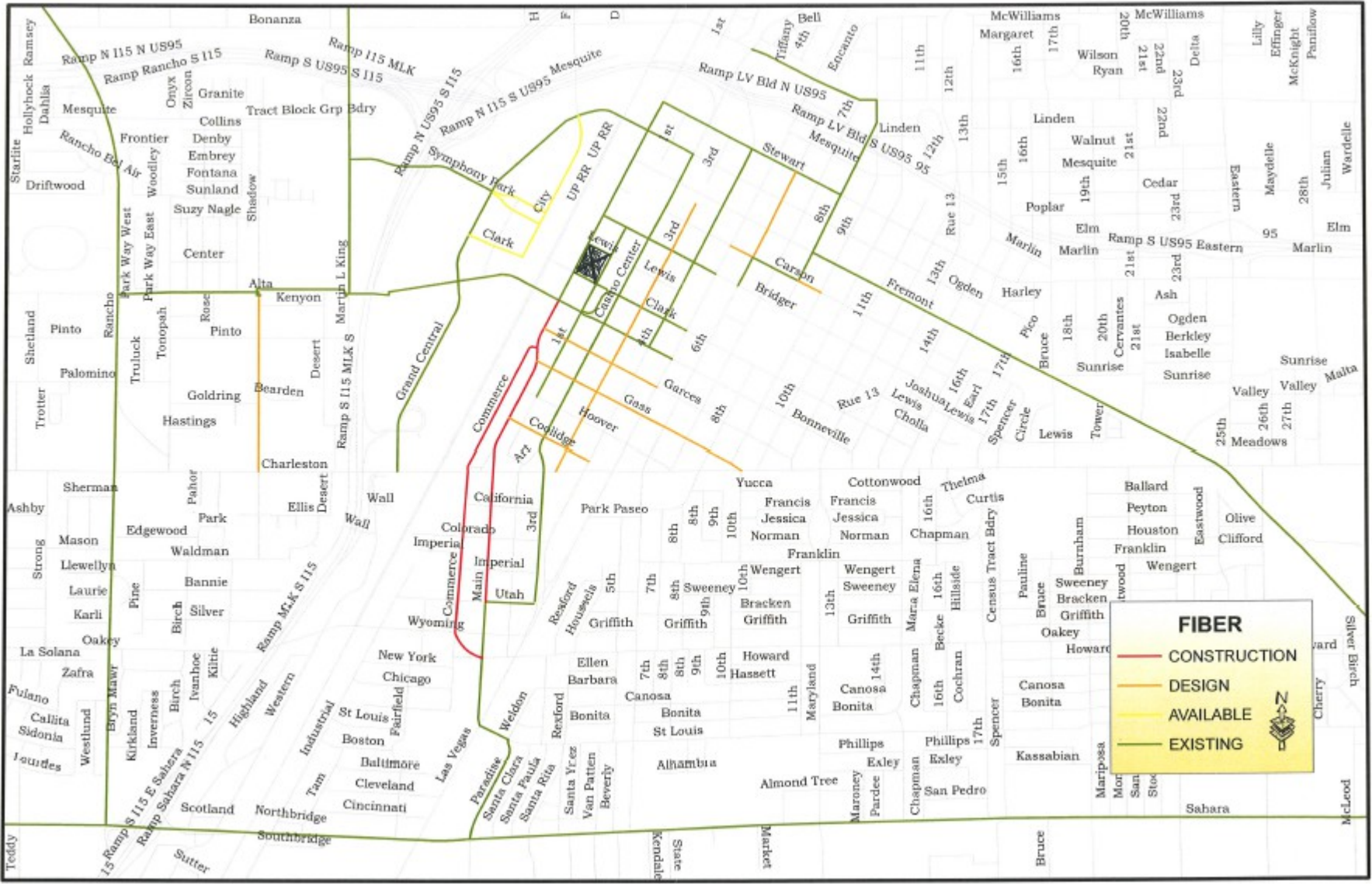


Downtown Wi-Fi Boundary Pilot Project





Fiber & Communication Network





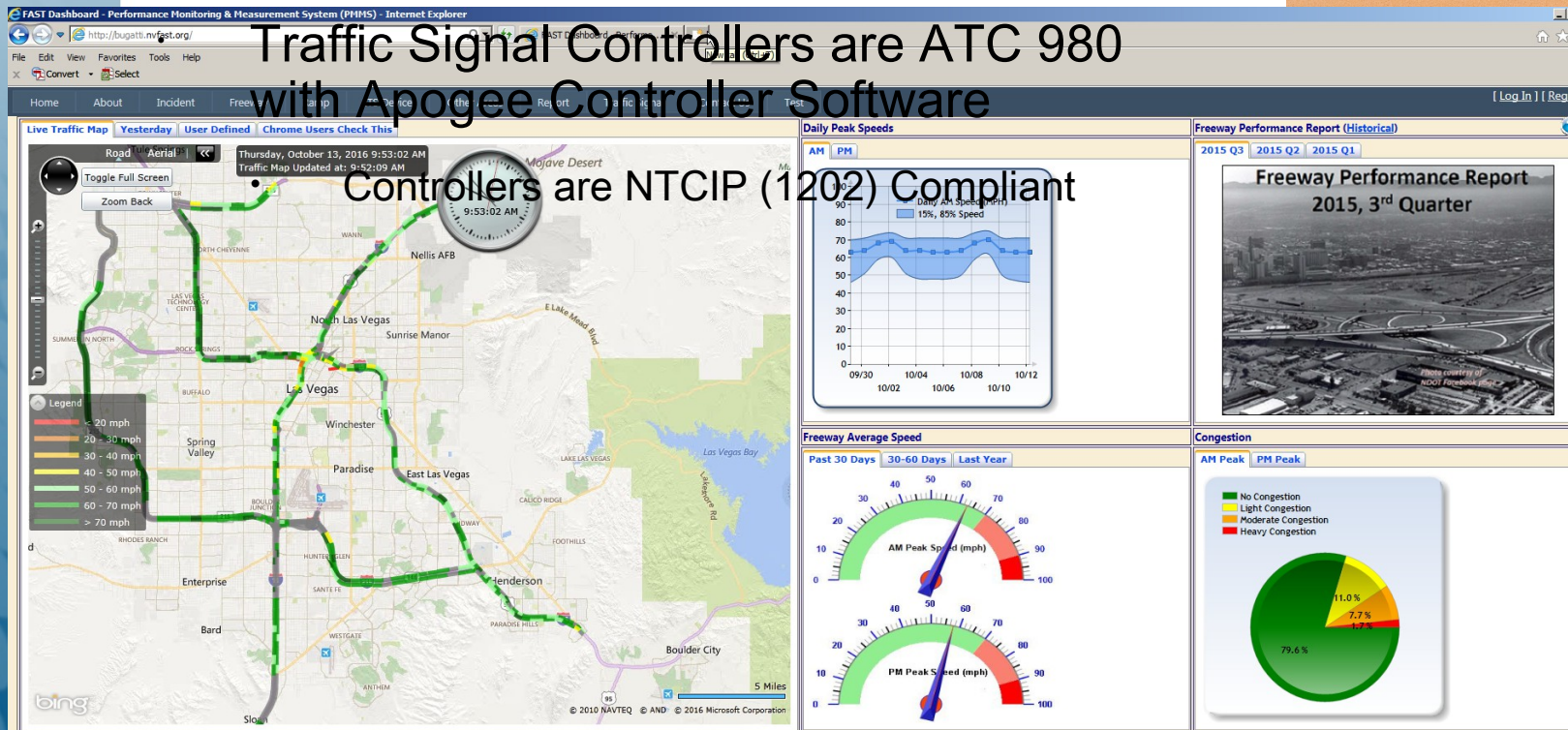
RTC Transportation Management Center

- Freeway and Arterial Management System of Transportation (FAST)
- City has over 125 miles of FO Cable & 900 Traffic Signals



Traffic Signal Controllers are ATC 980 with Apogee Controller Software

Controllers are NTCIP (1202) Compliant



Connecting Higher Order Transit to Downtown



RTC Lead:

- Las Vegas Blvd
- Maryland Pkwy

CLV Lead:

- Rancho Drive
- Charleston West
- Charleston East