

Project Neon Update

Nevada Transportation Conference

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LIVE

FOX 5
NEWS

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FOX 5
KVVU-TV
LAS VEGAS



PROJECT STATUS

Project Status

96% COMPLETE



\$603M

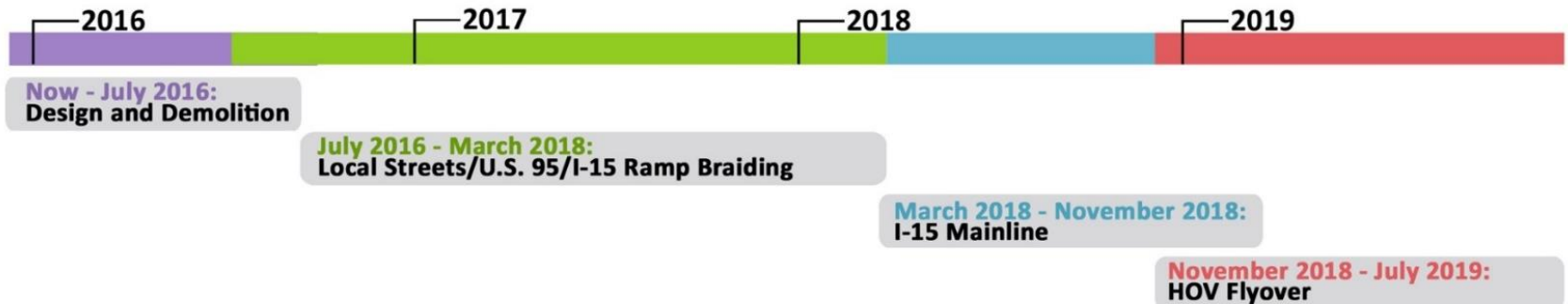
TOTAL CONTRACT
AMOUNT

\$583M

SPENT TO DATE



SCHEDULE



By the Numbers

29 Bridges



Active Traffic Management Signs



Work Hours



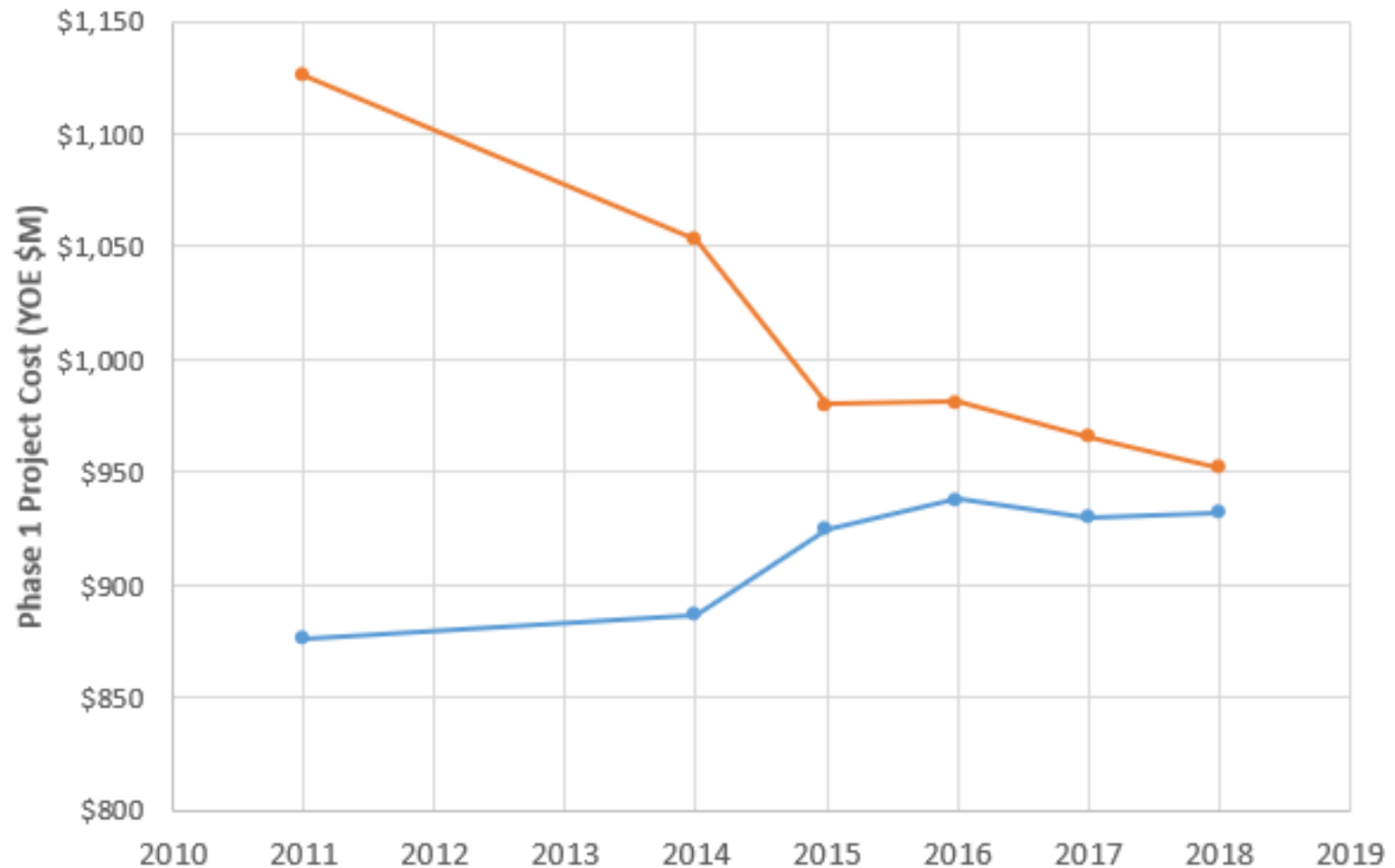
Metrics

- Project Costs

Project Cost Element	Project Cost (\$ Million, <u>YOE</u>)		
	Costs to Date	Base Cost	70 th Percentile
Preliminary Engineering	53.5	61.0	59.0
Right-of-Way	238.7	240.0	243.2
Construction	453.6	637.0	643.1
Totals	745.8	938.0	945.3

Metrics

- CRA Cost Project History





PROGRESS

HOV Flyover



HOV Flyover



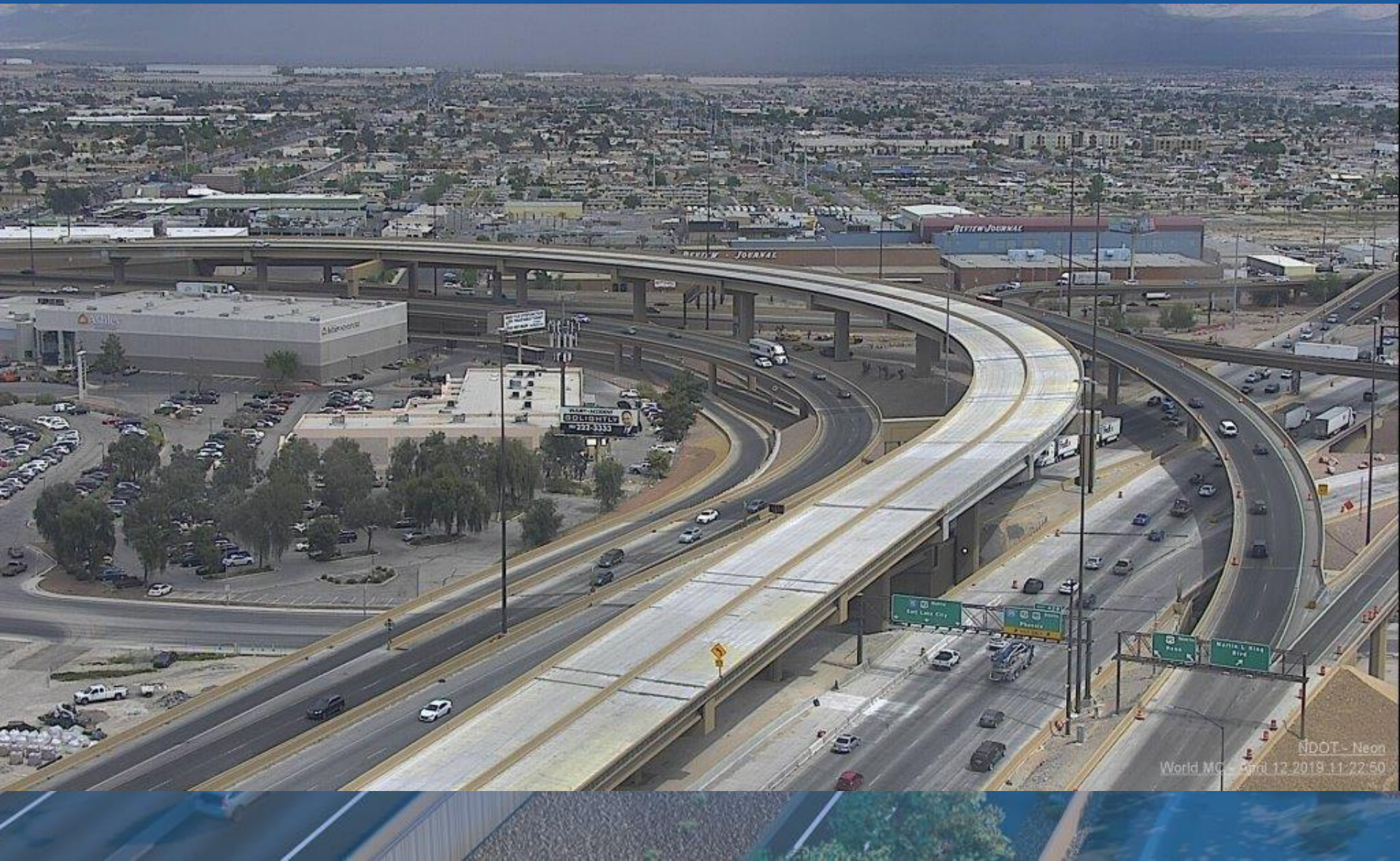
HOV Flyover



HOV Flyover



HOV Flyover



I-15 at Alta/Bonneville



I-15 at Alta/Bonneville



An aerial photograph of a wide, multi-lane highway in Las Vegas, likely I-15. The highway has several lanes in each direction, with a central median and side medians. Traffic is visible on the road. To the left of the highway, there are commercial buildings, including one with a 'Welcome Home' sign, and parking lots. To the right, there are more commercial buildings and parking areas. In the background, the Las Vegas city skyline is visible, featuring several tall buildings, including the Flamingo Las Vegas and the New York-New York Hotel & Casino. The Flamingo Las Vegas is a tall, slender tower with a circular observation deck at the top. The New York-New York Hotel & Casino is a large, multi-story building with a distinctive architecture. The sky is clear and blue, and the overall scene is a typical urban landscape in Las Vegas.



Local Street Connections



Local Street Connections



Local Street Connections



Local Street Connections

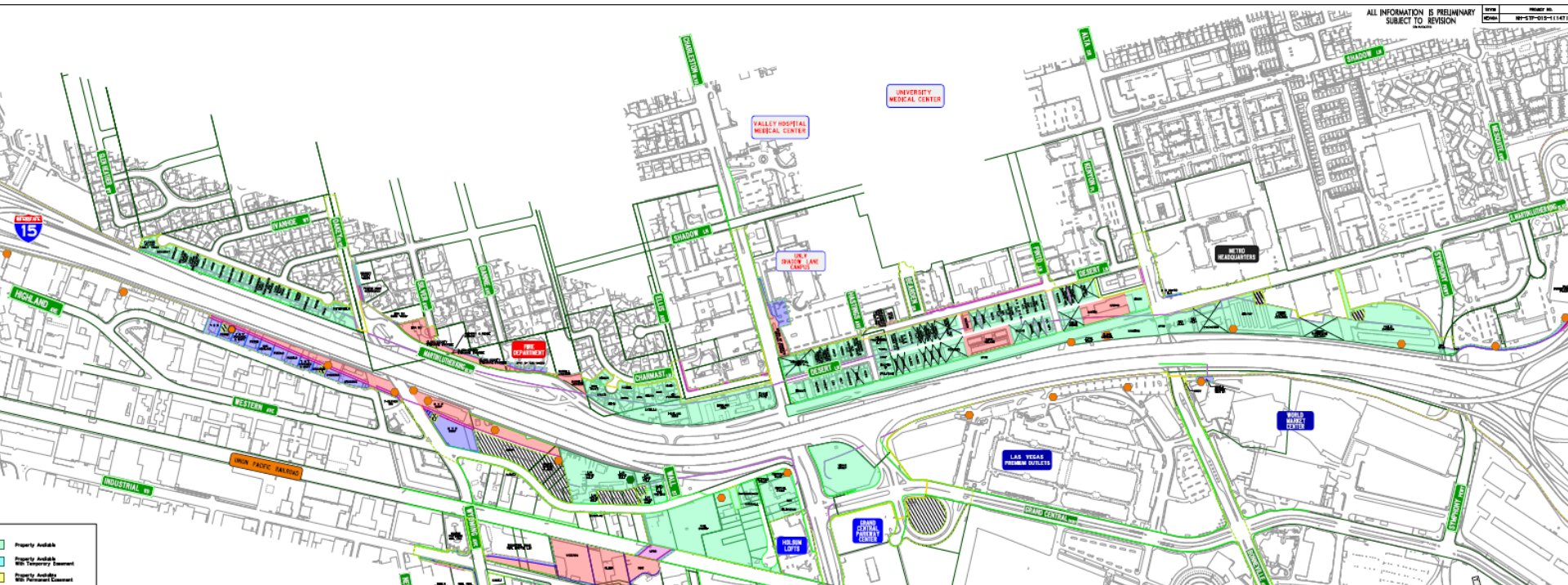




LESSONS LEARNED / BEST PRACTICES

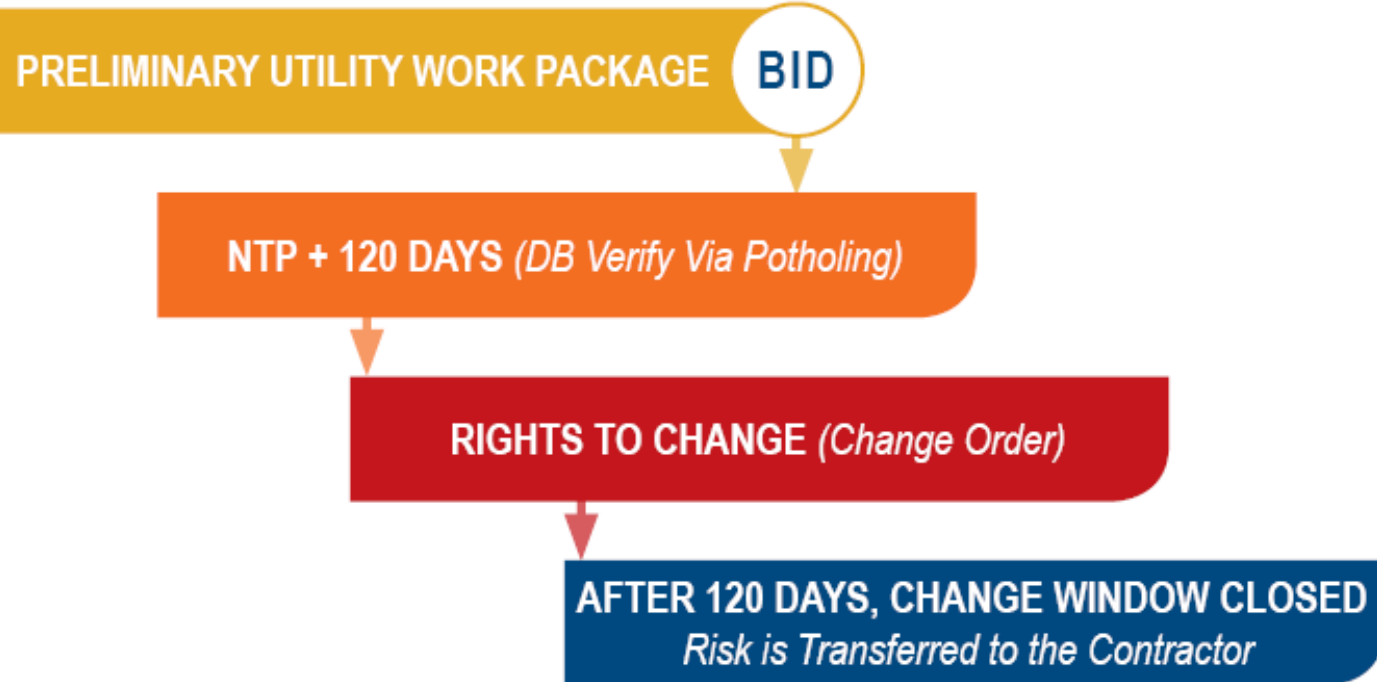
Lessons Learned

- Right-of-Way Approach
 - Build and Acquire at the same time
 - Need dedicated Project Resources
 - Decisions were timely but cost money



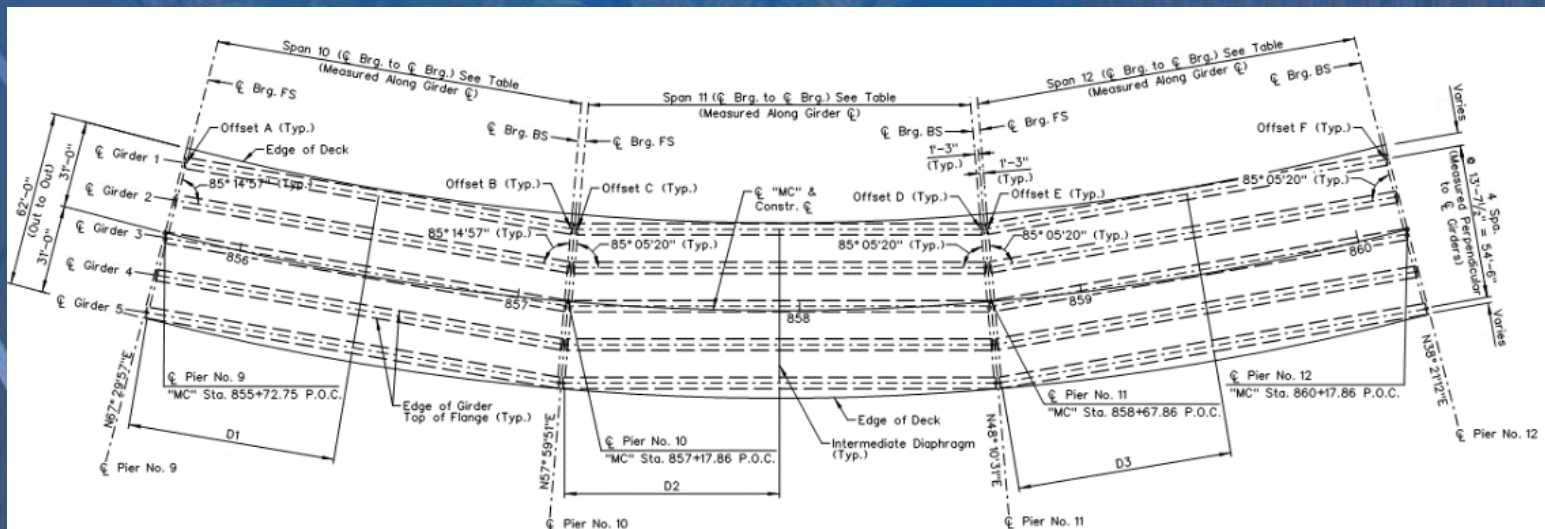
Best Practices

- Utilities



Lessons Learned

- Applying Innovation
 - Design-Build great mechanism to try new techniques
 - Do innovations achieve project goals?
 - Checks and balances are needed



Lessons Learned

- Incentives
 - Cuts both ways
 - Resources get pushed towards incentives
 - Other activities may fall to later in the project

	Incentive Payment (per day)	Maximum Allowable Incentive
Substantial Completion	\$100,000	\$6,000,000
I-15 Interim Milestone	\$100,000	\$6,000,000
US 95 Interim Milestone	\$97,000	\$5,820,000
I-15 NB to US 95 SB Ramp Interim Milestone	\$100,000	\$1,000,000
US 95 NB to I-15 SB Ramp Interim Milestone	\$70,000	\$700,000
Grand Central Pkwy Interim Milestone	\$5,000	\$100,000
Total		\$19,620,000

Lessons Learned

- Change Discipline
 - Currently 40 Change Orders = \$40M (roughly 7%)
 - Incorporate ATCs from unsuccessful proposers
 - Modifications for forward compatibility
 - Handling 3rd Party Changes

Best Practices

- Flexibility / Partnering
 - Colocation inspired responsiveness
 - Cross-communication at all levels
 - Executive leadership buy-in



Best Practices

- Extensive Outreach from Owner
 - Public Outreach Officer dedicated to Project
 - Engaging the community
 - Branding
- Local Agency Partnership
 - Setting expectations with Agencies and Contractor



HIGH OCCUPANCY VEHICLE (HOV) LANES

New HOV System



HOV System

System limits, NB & SB.



Northbound Access

HOV entrances & exits.



Southbound Access

HOV entrances & exits.



HOV Interchange

Direct access to/from HOV lane.



Park and Ride

Park your vehicle and carpool to your destination.

Elkhorn Rd

Ann Rd

Cheyenne Ave

Lake Mead Blvd

Summerlin Pkwy

Jones Blvd

Decatur Blvd

Charleston Blvd

Sahara Ave

Flamingo Rd

Tropicana Ave

Russell Rd

Blue Diamond Rd

Silverado Ranch Blvd

95

INTERSTATE
215

INTERSTATE
15

Neon Gateway
Interchange

Rules



Vehicle with 2+ persons
Yes! Babies count.

Vehicle with only one person
Minimum of two required.



Motorcycles
Even if only one person.

Electric cars
Unless 2+ persons.



RTC Buses
With or without passengers.

Trucks with 2+ axles
Even if 2+ persons.



Emergency Vehicles
Lights on or off.

Pets as passengers
2+ persons must be human, not pets.



24
hours/day

7
days/week

\$250
fine

ILLEGAL TO CROSS SOLID DOUBLE WHITE LINES.

Benefits



US 95/I-15 HOV Connector



Saves money

Reduced fuel & vehicle costs.



Less congestion

Ride-sharing = Fewer vehicles on the road.



Saves time

Faster commutes, less idle time.

Better connectivity

20+ continuous miles of HOV in the valley.



Improved air quality

Fewer vehicles + less idle time.



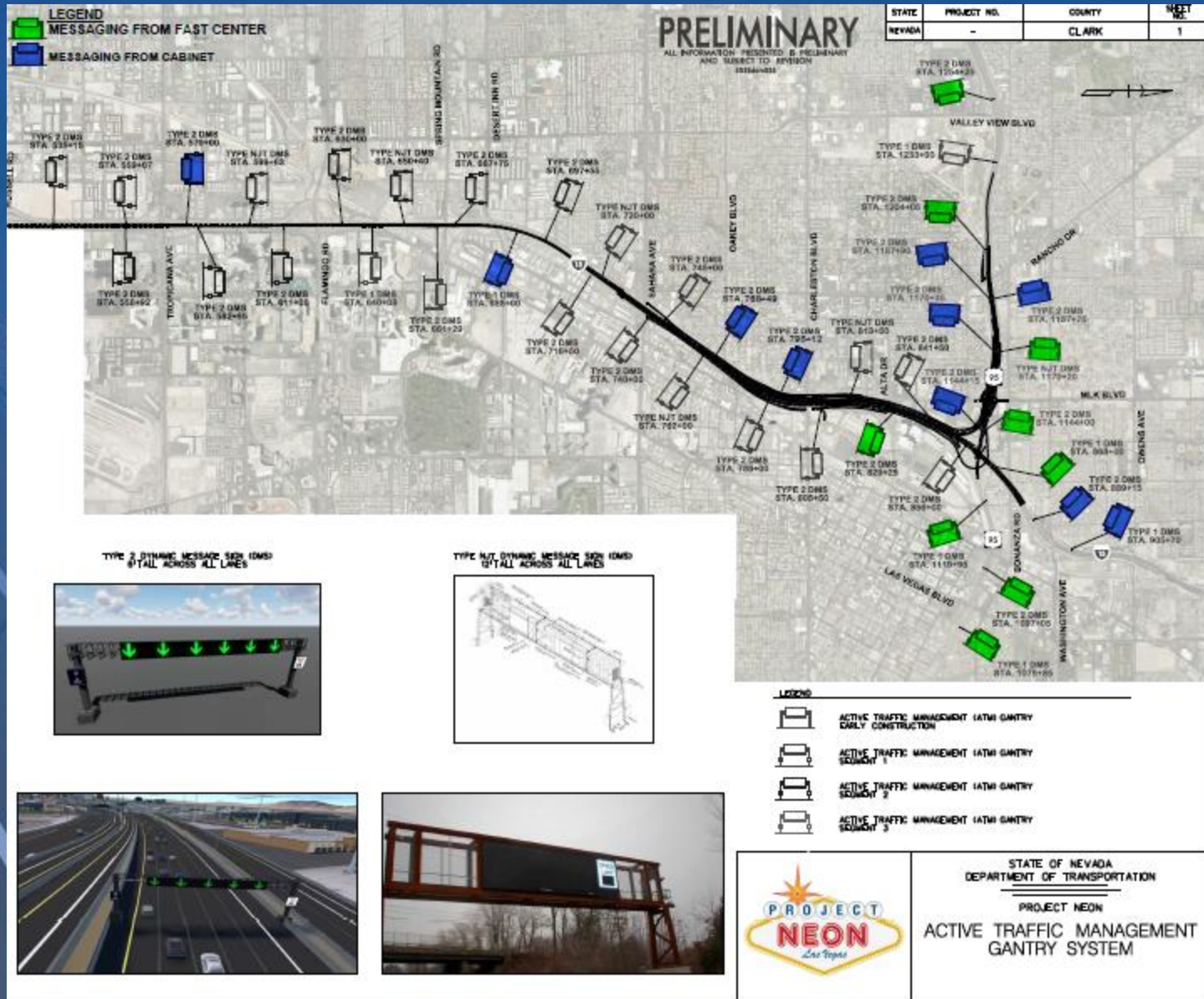
System efficiency

Moving more people
in fewer vehicles.



Neon Gateway HOV Interchange
located just south of Charleston

New ATM System





CAUTION
X



MERGE
X



HOV Lane
2+ Persons only

HOV Lane Open to All
Lane open to general traffic to ease congestion during a crash

Variable Speed Limit
Speed limit can be modified to facilitate the flow of traffic

Speed Reduction Warning
Notifies drivers of reduced speeds ahead

CRASH RT 3 LNS BLOCKED

CRASH AHEAD RT 3 LNS BLOCKED MERGE LEFT

CRASH AHEAD REDUCED SPEED ZONE

SPEED LIMIT 45

SPEED LIMIT 35

SPEED LIMIT 65

OPEN TO ALL

OPEN

CLOSED

MERGE

CRASH

RT 3 LNS BLOCKED

CRASH AHEAD

REDUCED SPEED ZONE

SPEED LIMIT 35

SPEED LIMIT 65

OPEN TO ALL

OPEN

CLOSED

MERGE

CRASH

RT 3 LNS BLOCKED

CRASH AHEAD

REDUCED SPEED ZONE

SPEED LIMIT 35

SPEED LIMIT 65

OPEN TO ALL

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MERGE

CRASH

RT 3 LNS BLOCKED

CRASH AHEAD

REDUCED SPEED ZONE

SPEED LIMIT 35

SPEED LIMIT 65

OPEN TO ALL

OPEN

CLOSED

MERGE

CRASH

RT 3 LNS BLOCKED

2+ ONLY

HOV Lane
.....
2+ Persons only

 OPEN TO ALL

HOV Lane Open to All

Lane open to general traffic to ease congestion during a crash

Benefits



Reduces number and severity of crashes
.....



Travel lane management
.....



Speed harmonization
.....



Supports work zone management
.....



Improves trip reliability, accuracy of posted travel times
.....



Ability to open HOV lanes to all
.....



Increases safety
.....



Improves operations
.....

Questions?

