



USA Parkway (SR 439)

Nevada Transportation Board of
Directors Meeting
October 13, 2014



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USA Parkway (SR 439)

- ***Opportunity*** – Tesla plant in the Tahoe-Reno Industrial Center (TRIC) to be constructed on an accelerated schedule
- ***Challenge*** – Construct USA Pkwy (SR 439) and have it open to traffic from US 50 to I-80 by December 2017



Tahoe-Reno Industrial Center (TRIC)

- 107,000 acre area
- 30,000 acres of developable area for industrial use
- Currently 11 million square feet of industrial space in use by nearly 160 companies

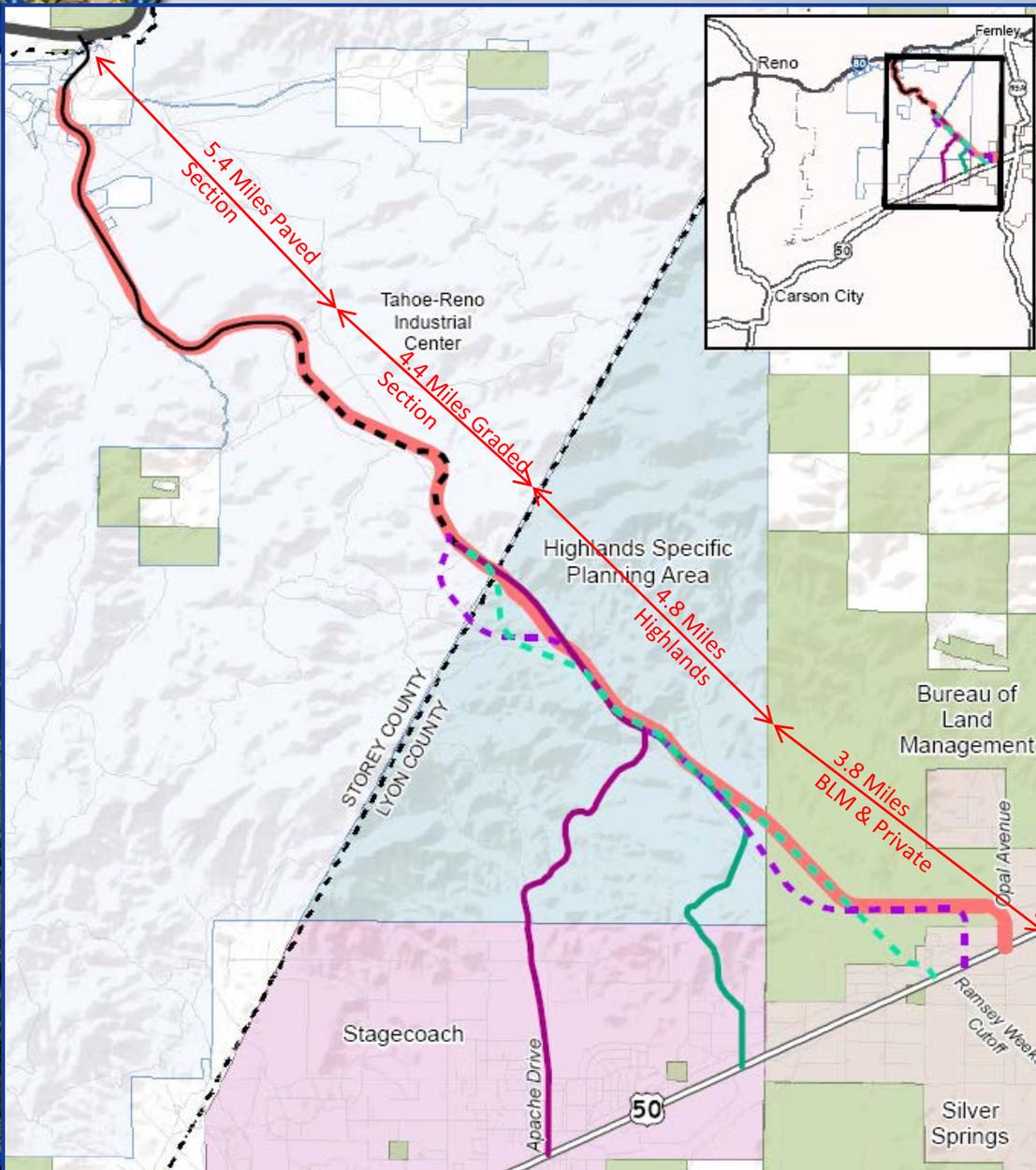


Current Status USA Pkwy

- Interchange on I-80 in Storey County
- 6 miles of 4 lane roadway constructed, 4 miles graded (some existing exceptions/deficiencies)
- Draft Environmental Assessment (EA) complete with Finding of No Significant Impact (FONSI) expected in January 2014
- Design about 30% complete



Preferred Alternative



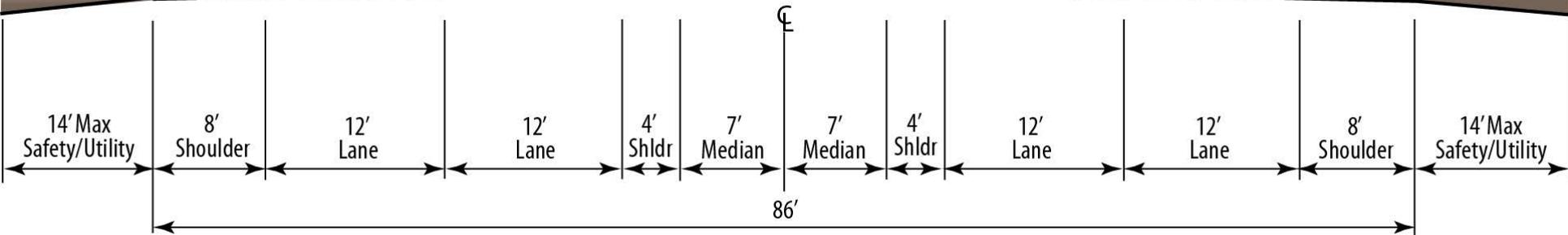
- Still requires public review and comment with the release of the Environmental Assessment report

Alternatives*

— Existing Pavement	— Reservoir Road Alternative	--- County Boundary
- - - Existing: Graded	— Apache Drive Alternative	■ Bureau of Land Management
- · - · - Ramsey Weeks Alternative	— Opal Avenue Alternative (Preferred Alternative)	
· · · · · Onyx Street Alternative		

0 1.25 2.5 Miles

* In addition to the preferred alternative, a no-build alternative is also being considered.



Lane Configuration



Benefit-Cost Ratio (BCR)

Expected BCR of USA Parkway = 9.1

Benefits

- Travel time savings
- Vehicle operations cost savings
- Accident cost savings
- Vehicle emissions cost savings



Current Planning for USA Pkwy

- Final Design Funded in 2015
- No funding identified for ROW or Construction in Statewide Transportation Plan (STIP)



Estimated Costs USA Pkwy

- ROW and improvements Tahoe-Reno Industrial Center - \$43 million
- ROW/Utilities Lyon County - < \$1 million
- Construction 4-lane highway (including upgrades to existing USA Pkwy) US 50 to I-80 – Est. \$ 65 million



US 50 Roy's Road to US 95A

- Current US 50 2-lanes
- Widening project to 4-lane facility scheduled for 2018
- USA Pkwy EA and traffic analysis based upon completed 4-lane US 50
- Propose adding SR 439 to US 95A, including both intersections, to SR 439 project (2.5 miles), \$5 million



SR 439 Delivery Method

- To meet December 2017 completion date and to address the challenges and risks of the project NDOT proposes *Design-Build*
- Estimated \$70 million D-B to include SR 439 US 50 to I-80, upgrades to existing USA Pkwy., and US 50, SR 439 to US 95A

Step 4a

Criterion	Delivery Method Preference		
	DBB	DB	CMAR
Criterion 1: Cost Impacts	Orange	Green	Yellow
Criterion 2: Schedule Impacts	Orange	Green	Yellow
Criterion 3: Opportunity to Manage Risk	Orange	Yellow	Green
Criterion 4: Complexity of Design and Construction Phasing	Yellow	Green	Orange
Criterion 5: Opportunity for Innovation	Orange	Green	Yellow

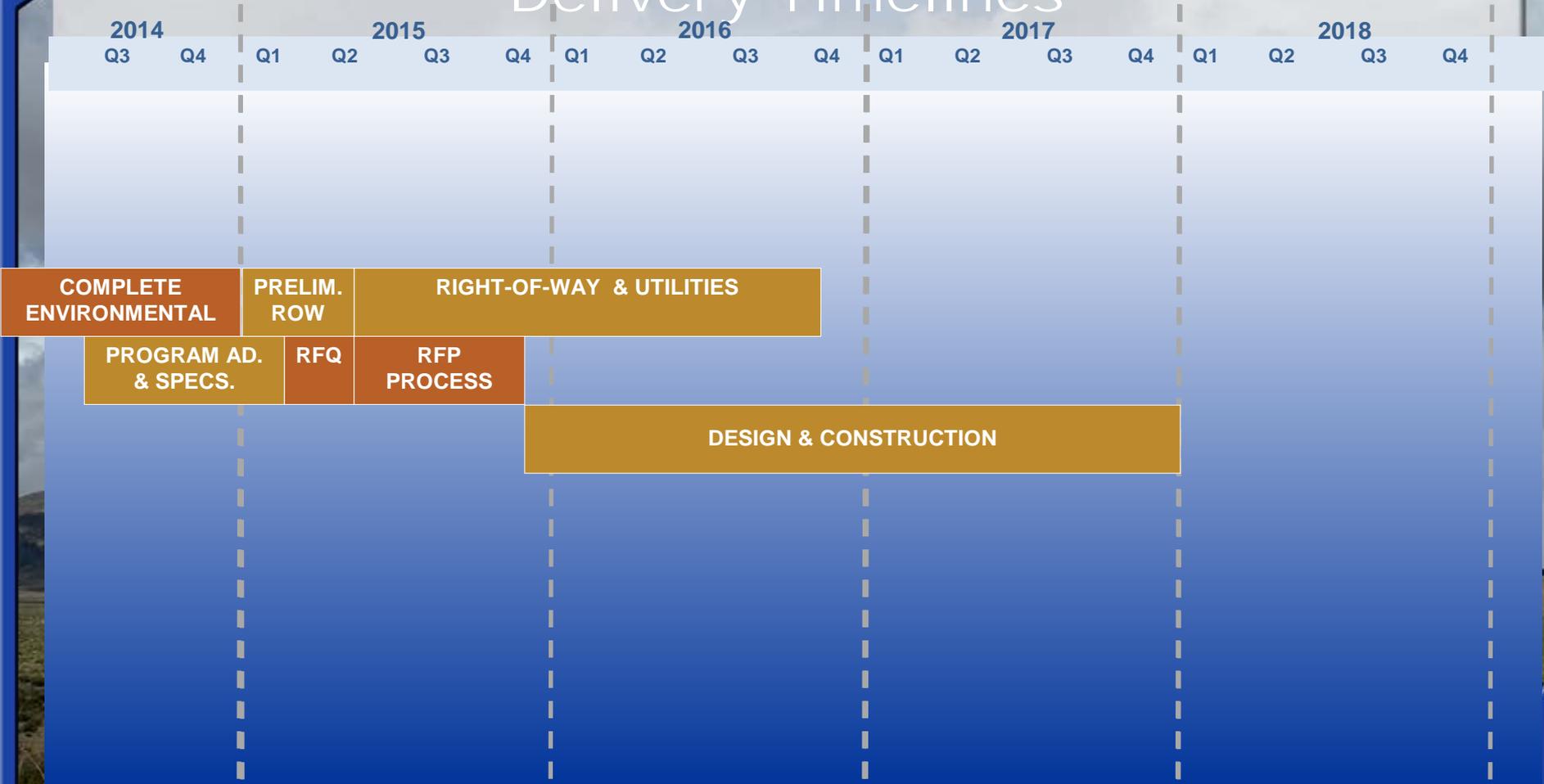
● = Most appropriate ● = Neutral ● = Least Appropriate

USA Parkway Proposed Improvements





USA Parkway Design Build Delivery Delivery Timelines



CONCEPTUAL SCHEDULE





SR 439 Funding

- *Fund and deliver SR 439 by December 2017 without impacting Southern Nevada Projects*
- \$43 million –ROW and improvements on existing USA Pkwy. – FY 2015
- \$70 million – Design Build contract - \$35 million FY 2016 and \$35 million FY 2017



SR 439 Funding

- Use balance in Highway Fund (approx. \$200 million) for \$43 million in FY 2015
- Evaluate existing programs proposed to be delivered in FY 2016/2017
- Impact must fall on Northern Nevada 3R program (pavement rehabilitation)
- Using ranked 3R project list move back scheduled projects



DRAFT - SR 439 PROJECT IMPACT LIST (\$70M in 2016/2017)

COUNTY	PROJECT NAME	ESTIMATED COST	CURRENT PLANNED YR	MOVED TO YR
ROADWAY (3R) PROJECTS				
DISTRICT - 2				
LY	US 50A, Lyon Co, FM the Jct w/ US 50/US 95A in Silver Springs to SR 427. MP LY 0.000 to 14.119 (includes truck lane and passing lane)	\$10,900,000	2016	2017
LY	180 fm 0.419 ME of the East Fernley Grade Sep to the LY/CH Co Ln. MP LY 5.844 to 15.912	\$13,600,000	2017	2018
WA	180 fm the CA/NV St Ln to 0.023 MW of Keystone Intch. Includes frontage road FRWA03 at Garson Rd Intch. MP WA 0.00 to 12.445	\$13,400,000	2017	2018
CC	US 395, Carson City, US 50/Williams St to 0.661 MS of the CC/WA Co Ln. MP CC 5.254 to 8.950	\$4,900,000	2017	2018
DISTRICT - 3				
LA	US 50 fm CH/LA Co Ln to 0.508 MW of the W Boundary of the Toiyabe National Forest. MP LA 0.000 to LA 25.408	\$14,500,000	2016	2017
HU	180 fm 0.345 ME of the trailing edge of H-1256 at the West Strip Grade Sep to 0.549 ME of the East Winnemucca Intch. MPHU 12.023 to 17.354	\$8,400,000	2017	2018
EL	180 fm 0.363 MW of the West Carlin Intch to 0.274 MW of the West Portal of the Carlin Tunnels, the beginning of the PCCP. MP EL 1.097 to 7.512	\$5,600,000	2017	2018
SubTotal =		\$71,300,000		



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Proposed Actions Moving Ahead

- Per NRS and Pioneer Program Guidelines propose Design-Build Delivery for SR 439 including a portion of US 50 for Transportation Board action at November 2014 meeting
- Adjust the TSP/STIP to reflect funding for SR 439 and adjustments needed to Northern 3R projects and bring to Transportation Board as part of TSP/STIP revision process



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Questions/Comments/Direction



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