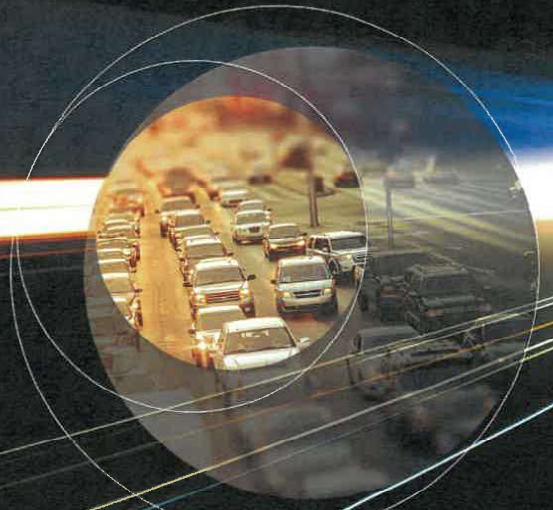


Tropicana/University Center Drive Grade Separation Project

Clark County Public Works



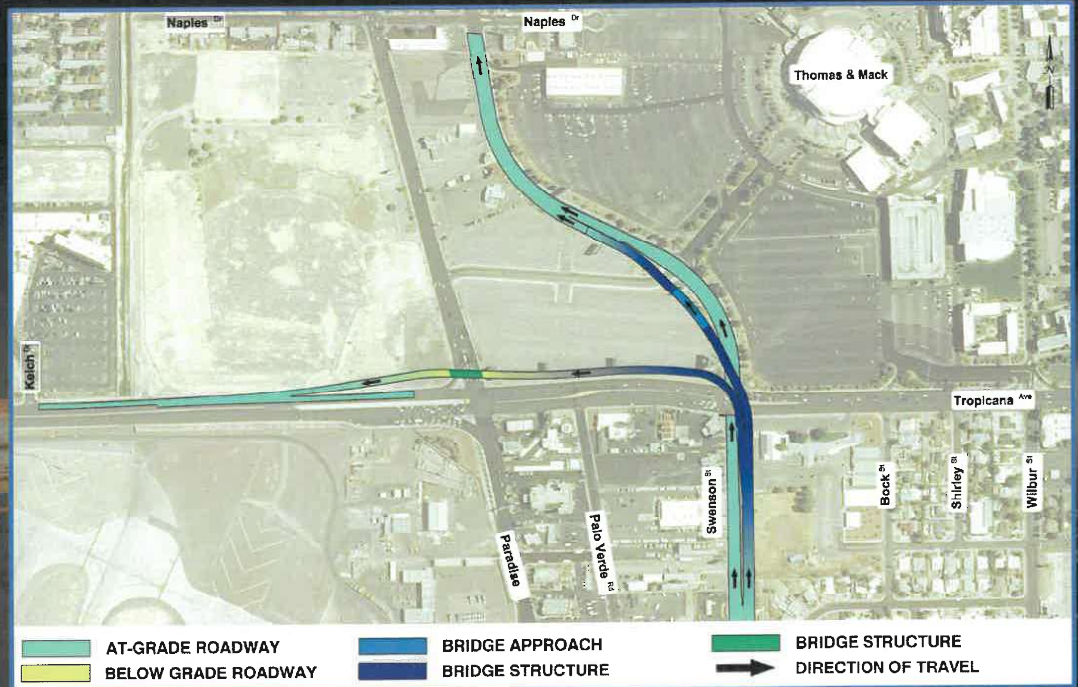
Purpose of this project:



- Relieve Congestion
- Improve Safety
- Improve access for airport traffic traveling to the Resort Corridor
- Improve access for traffic traveling north via University Center Drive (UCD)
- Improve access for traffic traveling to airport via Paradise Road
- Improve access for traffic traveling south via Paradise Road
- Improve access for traffic traveling to and from Thomas & Mack and the University.

Initial Proposal for Overpass:

- UCD over Tropicana:
Free-flowing NB to WB and NB to NB traffic
- Tropicana & UCD intersection maintained
- Structure extended north of Thomas and Mack Drive
- Estimated Cost \$78M (2019)



Original DDI:

- Tropicana: Both EB & WB below grade
- Tropicana: Free-flowing Wilbur to Koval
- 7 Bridges
- Separate access to TNC lot
- Elevated pedestrian access across UCD required
- Presence of groundwater requires a pump house
- Estimated Cost \$195M (2019)



Reduced DDI:

- To reduce cost:
Switched EB Tropicana to at-grade
- New Traffic Signals at UCD and Paradise
- Revised Cost \$115M (2023)
- Current Estimated Cost \$210M



Revised Overpass:

- Reducing the total length by approximately 400 ft
- One bridge structure removed
- Estimated Cost \$97M (2026)



View of the Initial Overpass from Eastbound Tropicana toward UNLV:



View of the Revised Shortened Overpass:





Views Traveling over the Overpass:



Views Traveling over the Overpass:

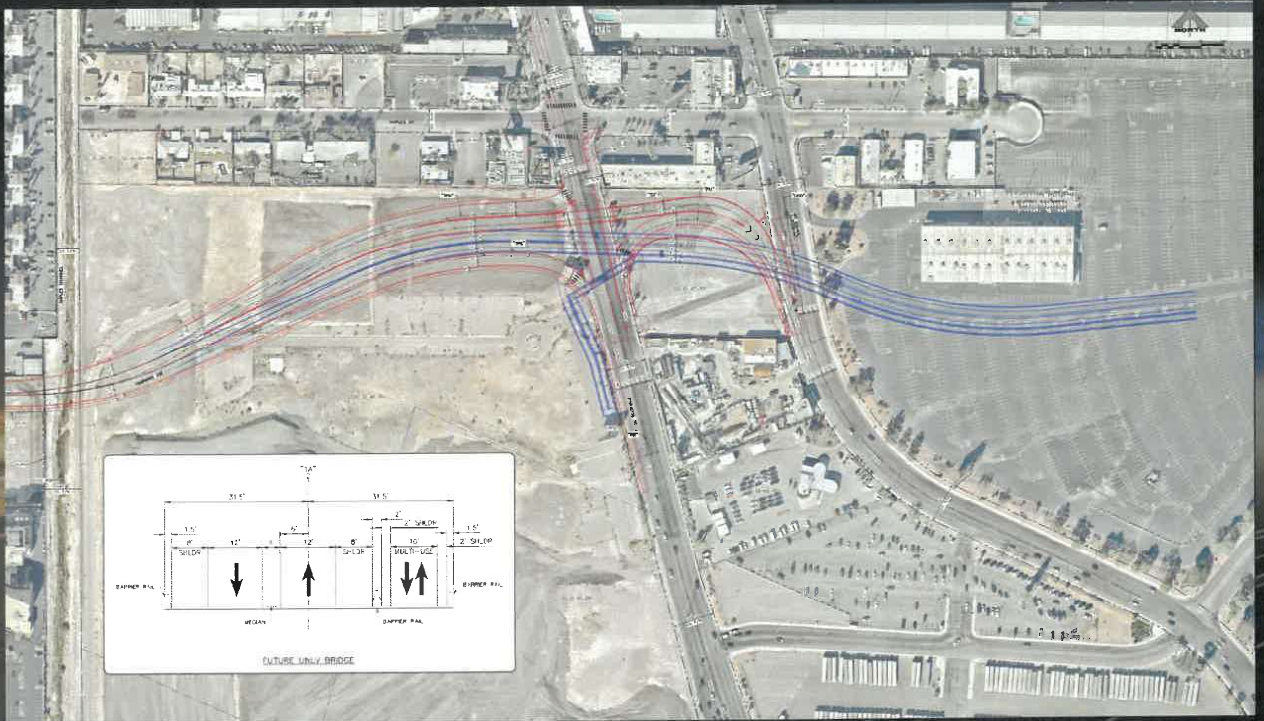


Views Traveling over the Overpass:



Comparison:

	Revised Overpass		Revised DDI	
Benefit/Cost Ratio	1.81	✓	1.19	
Construction Cost	\$97M	✓	\$210M	
Construction Duration	24 Months	✓	36+ Months	
Transit	No Change	✓	2 Stops Eliminated, 5 Stops Relocated	
Pedestrian Access + Crosswalks	No Change	✓	+5 Crosswalks	
Traffic Signals	No Change	✓	+1 Traffic Signal, +1 Ped Signal	
Number of Bridges	2	✓	4	
Impacted Billboards	Min Impact	✓	All Billboards	
Right of Way Impact	5 Acre (DOA)	✓	15 Acre (DOA & UNLV)	
Construction in Runway Protection Zone	Minor Roadway Improvements	✓	Bridge & Drilled shafts (up to 70' deep)	
Pump House	None	✓	Yes	
Impact to Thomas & Mack Parking Lot	None	✓	Loss of 400 Spots	
TNC Operations	-		-	
Visual Impacts	Above Grade		Below Grade	✓
Fulfillment of Purpose	Meets the purpose NB UCD free-flowing	✓	Does not fully meet the purpose NB UCD signalized x2	



Tompkins Alignment Extension into UNLV

Looking East:



Tompkins Alignment Extension into UNLV

Looking West:



Tompkins Alignment Extension into UNLV

Looking Northwest:

