

Dale Evans Parkway at Waalew Road Realignment Performance Metrics

Measure	Metric	Build	Future No Build	Change	Methodology	Data/Assumptions
Congestion Reduction	Project Area, Corridor, County, or Regionwide VMT per capita and total VMT	0.008	0.01	(0.002)	VMT per capita: Divide total VMT by number of persons in Town	Town's population estimates 74,724
		560	700	(140)	total VMT: multiplying forecast trips by number of lane miles for a defined corridor length using same end points for No Build and Build	No Build distance 0.5 mi, Build distance 0.4 mi Utilized the pm vehicle volume
	Person Hours of Travel Time Saved	-	-	1.13	Results of Cal-B/C Sketch 7.2v	Time Benefit (person-hours/yr) converted to (person-hours)
	Daily Vehicle Hours of Delay	11.3	30.0	(18.7)	Delay is based on Synchro analysis completed for the build and no build conditions.	The values presented are provided for the PM condition for both scenarios. The no build value is the average delay from the two t-intersections
	Percent Change in Non-Single Occupancy Vehicle Travel*	-	-	-	-	-
	Per Capita and Total Person Hours of Delay per Year*	-	-	-	-	-
Throughput	Peak Period Person Throughout by Applicable Mode*	-	-	-	-	-
	Passengers per Vehicle Service Hour*	-	-	-	-	-
	Bicyclist/Pedestrian Screen Line Counts*	-	-	-	-	-
System Reliability	Peak Period Travel Time Reliability Index					
	Transit Service On-Time Performance	-	-	-	-	-
Safety	Number of Fatalities	165	201	(36.26)	Rate of Fatalities * VMT	
	Rate of Fatalities per 100 Million VMT	0.294	0.287	0.007		
	Number of Serious Injuries	0	0	0		
	Number of Serious Injuries per 100 Million VMT	0	0	0		
	Number of Non-Motorized Fatalities and Non-Motorized Serious Injuries	0	0	0		
	Number or Rate of Property Damage Only and Non-Serious Injury Collisions*	0.57	0.57	0	-	-
	Accident Cost Savings*	-	-	-	-	-
Measure	Metric	Build	Future No Build	Change	Methodology	Data/Assumptions
Economic Development	Jobs Created (Direct and Indirect)	-	-	-	-	-

Air Quality & GHG	Particulate Matter (PM 2.5 PM 10)	-	-	0	-	-
	Carbon Dioxide (CO ₂)	-	-	117	Results of Cal-B/C Sketch 7.2v	Emissions Saved Annual Average Value (Tons)
	Volatile Organic Compounds (VOC)	-	-	0	Results of Cal-B/C Sketch 7.2v	Emissions Saved Annual Average Value (Tons)
	Sulphur Dioxides (SO _x)	-	-	0	Results of Cal-B/C Sketch 7.2v	Emissions Saved Annual Average Value (Tons)
	Carbon Monoxide (CO)	-	-	0	Results of Cal-B/C Sketch 7.2v	Emissions Saved Annual Average Value (Tons)
	Nitrogen Oxides (NO _x)	-	-	0	Results of Cal-B/C Sketch 7.2v	Emissions Saved Annual Average Value (Tons)
Cost Effectiveness	Cost Benefit Ratio	-	-	1.8	Results of Cal-B/C Sketch 7.2v	
Accessibility	Number of Jobs Accessible by Mode	-	-	-	-	-
	Access to Key Destinations by Mode	-	-	-	-	-
	% of Population Defined as Low Income or Disadvantaged within ½ mile of rail station, ferry terminal, or high-frequency bus stop	-	-	-	-	-
System Preservation (Pavement/Bridge Rehabilitation only)	Pavement Condition Index	-	-	-	-	-
	Bridge Condition Rating for Bridge Deck, Superstructure, Substructure	-	-	-	-	-
Noise Level (Soundwalls only) (For reporting only)	Number of Receptors	-	-	-	-	-
	Properties Directly Benefited	-	-	-	-	-
	Number of Decibels	-	-	-	-	-