

City of Rialto I-10/Riverside Avenue Freight Improvement Project 2024 SB1 TCEP Grant Program Application
Trade Corridor Enhancement Program (TCEP) Performance Metrics Instructions by Measure Area

Existing Average Annual Vehicle Volume on Project Segment		Current (2024)			44,647
		No Build (Opening Year, 2031)			51,314
		Build (Opening Year, 2031)			51,314
Existing Average Annual Truck Percent on Project Segment		Current (2024)			22.0%
		No Build (Opening Year, 2031)			22.0%
		Build (Opening Year, 2031)			22.0%
Estimated Year 20 Average Annual Vehicle Volume on Project Segment with Project		Build (Year 20, 2050)			74,870
Estimated Year 20 Average Annual Truck Percent on Project Segment with Project		Build (Year 20, 2050)			22.0%
Measure	Metric	Build (Year 20)	Future No Build (Year 20)	Change	Increase/Decrease
Congestion Reduction	Change in Daily Vehicle Hours of Delay	14,933	15,593	(660)	Decrease
	Change in Daily Truck Hours of Delay	3,285	3,430	(145)	Decrease
	(Optional) Person Hours of Travel Time Saved	336,477	0	336,477	Increase
	(Optional) Other Information				
Throughput	Change in Truck Volume	16,471	16,471	-	-
	(Optional) Other Information				
System Reliability (Freight)	Truck Travel Time Reliability Index ("No Build" Only) (Optional Metric)				
	(Optional) Other Information				
Velocity (Freight)	Travel Time or Total Cargo Transport Time	1,199,154	1,252,112	(52,958)	Decrease
	(Optional) Change in Average Peak Period Weekday Speed for Road Facility				
	(Optional) Other Information				
Air Quality	Particulate Matter (PM10)				-
	Particulate Matter (PM2.5)				-
	Carbon Dioxide (CO2)	20,717	21,632	(915)	Decrease
	Volatile Organic Compounds (VOC)				-
	Sulphur Dioxides (SOx)				
	Carbon Monoxide (CO)				
	Nitrogen Oxides (NOx)				
Safety	Number of Fatalities	0.20	0.20	-	-
	Rate of Fatalities per 100 Million VMT	0.49	0.49	-	-
	Number of Serious Injuries	12.43	17.74	(5.32)	Decrease
	Number of Serious Injuries per 100 Million VMT	30.31	43.28	(12.97)	Decrease
	Number of PDO Crashes	30.76	41.53	(10.77)	Decrease
	Number of PDO Crashes per 100 Million VMT	75.04	101.32	(26.28)	Decrease
Cost-Effectiveness	Cost-Benefit Ratio	1.63	N/A		
	(Optional) Other Information				
Economic Development	Jobs Created	352	0	352	Increase
	(Optional) Other Information				