

# I-710 South Alternatives Evaluation Matrix

Evaluation Factor	Measure	Alternative 5C	Alternative 7
Mobility Benefits	Reduction in Vehicle Hours of Delay		
Congestion Relief	Improvement in I-710 Level of Service (LOS)		
Travel Time Improvements	I-710 Auto / Trucks		
	Freight Corridor - Trucks		
Safety Benefits	Removes Operational Conflicts		
	Separates Cars & Trucks		
Air Quality	Diesel Particulate Matter / Cancer Risk		*
	Nitrogen Oxides (NOx)		*
	Least Amount of PM 2.5		
	Greenhouse Gases		

- Benefits
- Costs
- Impacts

\* Assumes incentive funding for 18,350 ZE/NZE Trucks to use the Freight Corridor (compared to 4,000 ZE/NZE Trucks under Alt. 5C). Incentive funding would be pursued under either alternative, but it's subject to availability.

**Best**

## I-710 South Alternatives Evaluation Matrix, cont.

Evaluation Factor	Measures	Alternative 5C	Alternative 7
Parks, rec. areas, refuges, and historic sites	Partial Impacts		
	Full Impacts		
EJ Impacts	Least Adverse Effect to EJ Populations		
Visual Impacts	Fewest Visual Impacts		
ROW Impacts	Residential Displacements		
	Business Displacements		
	Sensitive Facilities Displacements		
Air Quality Cost Benefit	\$ per lbs. Diesel Particulate Matter Reduced		
	\$ per lbs. NOx Reduced		
Cost / Affordability	Total Project Cost		
	Affordability	 *	
Constructability	Possible phasing and implementation of Early Action Projects		

Benefits
Costs
Impacts

\* Based on implementation of Early Action Projects