



SR 9/I-95 AT LANTANA ROAD

Project Development and Environment (PD&E) Study
 Financial Project Identification (FPID) Number: 413258-1-22-02
 Efficient Transportation Decision Making (ETDM) Number: 14338



Evaluation Matrix

Criteria	No-Action Alternative	Build Alternative 1 Tight Urban Diamond Interchange (TUDI)	Build Alternative 2 Diverging Diamond Interchange (DDI)	Build Alternative 3 Single Point Urban Interchange (SPUI)
Traffic Operations & Safety				
Level of Service at Ramp Terminals	LOS F (NB & SB)	LOS C (NB) & LOS D (SB)	LOS C (NB & SB)	LOS D (NB) & LOS C (SB)
Reduction in delay at Ramp Terminals over No-Action	None	58% to 78%	73% to 81%	62% to 79%
Reduction in queues at Ramp Terminals over No-Action	Queue Spillback onto I-95 Mainline	47% to 59%	74% to 88%	62% to 66%
Potential Crash Reduction	None	15%	36%	15%
Engineering				
Meets Geometric Design Criteria	No	No	Yes	Yes
Relocation of Transmission Poles	None	No	Yes	No
Multi-Modal (Pedestrian/Bicycle/Transit Accommodation)	Poor	Good	Best	Good
Access Management Impacts	None	Medium	Low	Low
Maintenance of Traffic Impacts	None	Low	Medium	High
Social-Economic				
Business Parcels Impacts	None	9 Commercial Parcels	6 Commercial Parcels	9 Commercial Parcels
Relocation Potential	None	1 Business	None	1 Business
Loss of Parking at Shopping Center	None	16 Spaces	24 Spaces	16 Spaces
Economic Development and Opportunity	No	Yes	Yes	Yes
Visual & Aesthetic Potential	None	Low	High	Medium
Physical & Natural Environment				
Protected Species and Habitat	None	None	None	None
Wetland & Surface Waters Impacts	None	None	None	None
Water Quality Impacts	None	Minimal	Minimal	Minimal
Contamination Sites Impacted	None	1	1	1
Air Quality Improvements	No	Yes	Yes	Yes
Highway Traffic Noise	None	Minimal	Minimal	Minimal
Project Costs				
Right of Way Cost	\$0	\$13.3 Million	\$ 12.8 Million	\$13.3 Million
Construction Cost	\$0	\$18.4 Million	\$32.7 Million	\$30.7 Million
Benefit Cost Ratio	0	1.16	1.70	0.77
Ranking	4	3	1	2