



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 D (NB) LOS C (SB)	LOS B (NB) LOS C (SB)	LOS C (NB & SB)
Reduction in delay at Ramp Terminals over No-Action	None	48% to 76%	76% to 90%	64% to 78%
Reduction in queues at Ramp Terminals over No-Action	Queue Spillback onto I-95 Mainline	53% to 65% Reduction	80% Reduction	65% to 73% Reduction
Potential Crash Reduction	None	15% Crash Reduction	35% Crash Reduction	15% Crash Reduction
Engineering				
Meets Geometric Design Criteria	No	No	Yes	Yes
Relocation of Transmission Poles	None	No	Yes	No
Multi-Modal (Pedestrian/Bicycle/Transit Improvement)	None	Yes	Yes	Yes
Access Modifications	None	Yes	Yes	Yes
Maintenance of Traffic Impacts	None	Low	Medium	High
Social-Economic				
Business Parcels Impacts	None	9 Parcels	10 Parcels	9 Parcels
Loss of Parking at Lantana Shopping Center	None	16 Spots	16 Spots	16 Spots
Economic Development and Employment Opportunity	No	Yes	Yes	Yes
Visual & Aesthetic Potential	None	Low	High	Medium
Physical & Natural Environment				
Threatened & Endangered Species Impacted	None	None	None	None
Wetland & Surface Waters Impacted	None	None	None	None
Water Quality	None	Minimal	Minimal	Minimal
Contamination Sites Impacted	None	1	1	1
Noise	None	Minimal	Minimal	Minimal
Project Costs				
Right of Way Cost	\$0	\$13.3 Million	\$19.8 Million	\$13.3 Million
Construction Cost	\$0	\$16.5 Million	\$26.1 Million	\$23.3 Million
Engineering Design & CEI Cost	\$0	\$4.2 Million	\$6.6 Million	\$5.8 Million
Benefit Cost Ratio	0	1.03	1.44	0.79