

SH-10A IMPROVEMENTS ALTERNATIVES COMPARISON

Project Component*	On or Near Existing Alignment				Offset Alignment		
	Alternative 1: On Existing	Alternative 1A: On or Near Existing	Alternative 2: West Offset	Alternative 3: East Offset	Alternative 4: South Offset	Alternative 5: Southernmost Offset	Alternative 5A: Southernmost Offset Through Connection to SH-100
Geometric Design							
Shoulder Width	2' Paved	8' Paved	8' Paved	8' Paved	8' Paved	8' Paved	8' Paved
Design Exceptions Required	Numerous	8	7	7	3	3	1
Environmental Impacts							
Cultural Resources	None Known	None Known	None Known	<1 Acre Potential Arch. Site	<2 Acre Potential Arch. Site	None Known	None Known
Potential AST/UST Impacts	2 Locations	2 Locations	2 Locations	2 Locations	1 Location	1 Location	1 Location
Wetlands	None	None	Approx. 0.1 Acre	Approx. 0.1 Acre	Approx. 0.7 Acre	Approx. 0.2 Acre	Approx. 0.2 Acre
Streams	Approx. 400 feet	Approx. 500 feet	Approx. 1,100 feet	Approx. 1,400 feet	Approx. 2,000 feet	Approx. 1,800 feet	Approx. 2,000 feet
Right-of-Way Impacts							
Utility Costs (million)	Approx. \$1.8	Approx. \$1.7	Approx. \$1.5	Approx. \$1.6	Approx. \$1	Approx. \$1	Approx. \$0.8
Residential Relocations	<3	<3	<3	<3	≥3	<3	<3
Commercial Impacts	Minimal; No Structures	Minimal; No Structures	Minimal; No Structures	Minimal; No Structures	Minimal; No Structures	Minimal; No Structures	Minimal; No Structures
US Government	Approx. 2 Acre	Approx. 3 Acres	Approx. 3 Acres	Approx. 3 Acres	Approx. 1 Acre	Approx. 1 Acre	None
Tribal Property	0.13 Acre	0.10 Acre	None Known	0.10 Acre	None Known	0.10 Acre	0.10 Acre
United Methodist Boys' Ranch	Approx. 7 Acres	Approx. 9 Acres	Approx. 9 Acres	Approx. 9 Acres	Approx. 11 Acres	Approx. 11 Acres	Approx. 14 Acres
Cost							
Total Cost (million)	Approx. \$12	Approx. \$18	Approx. \$18	Approx. \$25	Approx. \$24	Approx. \$26	Approx. \$28
Highway Access to Paradise Hill							
Through Traffic Mobility							
Constructability							
Meets Purpose & Need?							

*All impact estimates are preliminary only and subject to change upon completion of survey and further design.