

**Wethersfield
Alternatives Comparison Matrix**

Putnam Bridge Multimodal Trail Connections Feasibility Study

	Alternative		
	Wethersfield 1	Wethersfield 2	Wethersfield 3 (Modified)
General Characteristics			
Total Length	1125 ft	510 ft	650 ft
Maximum Grade	5%	8%	5%
Geometric Constraints	None	> 5% Grade; Radius < 60 ft	Radius <60 ft
		8% Grade for 200 ft	Radius = 30 ft
		Radius = 30 ft	
Environmental Considerations			
Wetland Impacts	4600 SF	0 SF	0 SF
Within 100-year Floodplain Boundary?	Yes, partially	No	No
Approximate Fill below 100-year Flood Elevation	0 ¹	0	0
Above 10-year Flood Elevation?	Yes	Yes	Yes
Property Impacts			
Total Properties Impacted	0	0	0
Total ROW Needs (ac)	0	0	0
Other Impacts/Considerations			
Utilities	May require lighting relocation	May require lighting relocation	May require lighting relocation
Structures	May require sign structure relocation	May require sign structure relocation	May require sign structure relocation
Sight Distance	-	Raised path could potentially restrict sight distance for vehicles turning from exit ramp	-
Construction Costs²			
Estimated 2013 \$	\$500,000	\$350,000	\$600,000

Notes:

¹ Based on available topographic data, all fill for Alternative 1 would be placed above the 100-year flood elevation of approximately 28 ft. There is an apparent discrepancy between the FEMA-mapped boundary of the 100-year floodplain and areas where existing ground elevations are above the 100-year flood elevation; consequently a portion of Alternative 1 is shown within the mapped boundary. This discrepancy will be addressed during alternative refinement.

²Construction cost estimates do not include wetland mitigation, utility relocation, or property acquisition costs.



