

Malletts Bay Transportation Scoping Study Project

Evaluation Matrix: West Lakeshore Drive Bicycle & Pedestrian Improvements

		Alt. 1 No Build	Alt. 2 Shared Use Lanes	Alt. 3 Bike Lanes (both sides of road)	Alt. 4 Shared Use Path (south side of road)	Alt. 4A Alt. 4 + Section at Water Elevation	Alt. 4B Alt. 4 + Overlook Area	Alt. 4C Alt. 4 + North side path at western end
Costs	Engineering Design*	\$0	\$10,000	\$80,000	\$220,000	\$250,000	\$290,000	\$250,000
	Roadway/Path Construction	\$0	\$20,000	\$510,000	\$1,300,000	\$1,550,000	\$1,420,000	\$1,600,000
	Stormwater Improvements (Meets Standards)	\$0	\$0	\$900,000	\$900,000	\$900,000	\$900,000	\$900,000
	Stormwater Improvements (Exceeds Standards)	\$0	\$0	\$2,400,000	\$2,400,000	\$2,400,000	\$2,400,000	\$2,400,000
	Retaining Wall, Railing & Stairs Construction	\$0	\$0	\$0	\$0	\$50,000	\$1,780,000	\$0
	Resident (Construction) Engineering	\$0	\$0	\$40,000	\$130,000	\$160,000	\$130,000	\$160,000
	Water line Relocation Cost	\$0	\$0	\$0	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000
	Total (Meets Standards, Not including ROW)	\$0	\$30,000	\$1,530,000	\$5,050,000	\$5,410,000	\$7,020,000	\$5,410,000
Total (Exceeds Standards, Not including ROW)	\$0	\$30,000	\$3,030,000	\$6,550,000	\$6,910,000	\$8,520,000	\$6,910,000	
Engineering	Typical Section	11' travel lanes 1-3' paved shoulder 5' sidewalk	11' travel lanes 1-3' paved shoulder 5' sidewalk	11' travel lanes 5' bike lanes	11' travel lanes 1-3' paved shoulders 10' paved shared use path	11' travel lanes 1-3' paved shoulders 10' paved shared use path	11' travel lanes 1-3' paved shoulders 10' paved shared use path	11' travel lanes 1-3' paved shoulders 10' paved shared use path
	Bicycle Access	-	Shared use lanes	5' bike lanes	Adds shared use path	Adds shared use path	Adds shared use path	Adds shared use path
	Pedestrian Safety	-	No Change	No Change	Improved for Path Users <i>(Bicyclists and pedestrians are given more room and separated from vehicles)</i>	Improved for Path Users <i>(Bicyclists and pedestrians are given more room and separated from vehicles)</i>	Improved for Path Users <i>(Bicyclists and pedestrians are given more room and separated from vehicles)</i>	Improved for Path Users <i>(Bicyclists and pedestrians are given more room and separated from vehicles)</i>
	Vehicle Safety	-	No Change	Slight Improvement <i>Bikes are given a facility separate from vehicle lanes</i>	Improved <i>Bikes are on a separated facility off of the roadway</i>	Improved <i>Bikes are on a separated facility off of the roadway</i>	Improved <i>Bikes are on a separated facility off of the roadway</i>	Improved <i>Bikes are on a separated facility off of the roadway</i>
	ROW Impacts	-	No	No	Moderate	High	Moderate	Moderate
Impacts	Agricultural Lands	-	No	Potential	Potential	Potential	Potential	Potential
	Archaeological	-	No	No	No	No	No	No
	Historic	-	No	No	No	No	No	No
	Hazardous Materials	-	No	No	No	No	No	No
	Floodplains	-	No	No	No	Yes	Potential	No
	Shoreland	-	No	No	No	Yes	Potential	No
	Fish & Wildlife	-	No	No	No	No	No	No
	Rare, Threatened & Endangered Species	-	No	No	No	Potential	Potential	No
	Public Lands - Sect. 4(f)	-	Yes	Yes	Yes	Yes	Yes	Yes
	LWCP - Sect. 6(f)	-	No	No	No	No	No	No
	Managed Lands	-	No	No	No	No	No	No
	Noise	-	No	No	No	No	No	No
	Wetlands	-	No	No	Yes	Yes	Yes	Yes
New Impervious Surfaces	-	No	Yes - 13% New	Yes - 17% New	Yes - 21% New	Yes - 24% New	Yes 24% New	
Stormwater Accommodations	None	Moderate <i>(Narrow green belt for bioswales)</i>	Low <i>(Narrowed greenbelt does not accommodate bioswales)</i>	Moderate <i>(Narrow green belt for bioswales)</i>	Moderate <i>(Narrow green belt for bioswales)</i>	Moderate <i>(Narrow green belt for bioswales)</i>	Moderate <i>(Narrow green belt for bioswales)</i>	
Local & Regional	Aesthetics	-	No impacts	Minimal	Improved	Improved w/ Water Views	Improved w/ Water Views	Improved
	Community Character	-	No impacts	Minimal	Improved	Improved	Improved	Improved
	Economic Impacts	-	No impacts	Minimal	Positive	Positive	Positive	Positive
	Conformance to Reg. Transp. Plan	-	Potential	Yes	Yes	Yes	Yes	Yes
	Compliance With Current Zoning	-	Yes	Yes	Yes	No*	No*	Yes
	Satisfies Purpose & Need	No	No	Partial	Yes	Yes	Yes	Yes
Permits	Act 250	-	No	No	Potential	Potential	Potential	Potential
	Section 404 - Wetlands (USACOE)	-	No	No	Yes	Yes	Yes	Yes
	Section 401 Water Quality Certification	-	No	No	Yes	Yes	Yes	Yes
	State Wetlands Permit	-	No	Yes	Yes	Yes	Yes	Yes
	Stream Alteration Permit	-	No	No	No	No	No	No
	Construction Phase Storm Water Discharge Permit (General Permit 3-9020)	-	No	Yes	Yes	Yes	Yes	Yes
	Operational Phase Storm Water Discharge Permit (General Permit 3-9015)	-	No	Yes	Yes	Yes	Yes	Yes
	Lakes & Ponds	-	No	No	No	Potential	Potential	No
	Rare, Threatened, and Endangered Species Section 1111 Permit	-	No	No	No	No	No	No

* - Engineering Design costs include those costs associated with engineering and design for bike/ped, water line and stormwater (Meets Standards) improvements

* - Not compliant with current zoning as written. May be approved after Town review