

McKinley Flushing Channel Alternatives Analysis

Section 2

<u>Alternative</u>	<u>Construction Cost</u>	<u>Expected Useful Life</u> (yrs)	<u>Other considerations</u>	<u>Preferred (Y/N)</u>
New Steel Sheet Pile Bulkhead	\$ 2,318,453	100	Most cost effective, lowest maintenance, facilitates future water access, common construction familiar to contractors	Y
New Rip Rap Revetment	\$ 2,055,444	50	More demolition, reduction of available parkland, lifespan subject to wave action/water levels, potential to limit vessels using the channel	N

Section 4 & 6

<u>Alternative</u>	<u>Construction Cost</u>	<u>Expected Useful Life</u>	<u>Other considerations</u>	<u>Preferred (Y/N)</u>
New Steel Sheet Pile Bulkhead	\$ 1,971,847	100	Common construction materials/techniques, requires temporary relocation of MYC asphalt paths, patio and outdoor bar area	Y
New Steel Sheet Pile Wall and Grouted Anchors	\$ 1,914,688	100	Less disruptive to MYC, specialty contractor required, requires barge - higher construction costs	N

Section 5

<u>Alternative</u>	<u>Construction Cost</u>	<u>Expected Useful Life</u>	<u>Other considerations</u>	<u>Preferred (Y/N)</u>
New Steel Sheet Pile Wall (w/deadman tieback)	\$ 858,244	100	Common construction materials/techniques, requires temporary relocation of MYC pavement and boat crane	N
New Steel Sheet Pile Wall (w/grouted anchors)	\$ 962,007	100	Less disruptive to MYC, specialty contractor required, requires barge, modification of existing steel sheeting - higher construction costs,	N
Rehabilitation of Existing Sheet Pile Wall (Fiber reinforced panels & grout)	\$ 370,050	25	Less disruptive to MYC, no crane relocation, lower construction costs, limited case use history, seasonal temperature limits on installation	Y