

UNIT LEGEND: LS=Lump Sum, SF=Square Feet, SY=Square Yard, EA=Each, LF=Lineal Foot, CY=Cubic Yards, AC=Acre						
Ramsey Bike Plan, TH 47/St. Francis Blvd NW Segment- Preliminary Engineer's Estimate						
Notes	No.		Estimated Qty.	Unit	Unit Price (in Dollars)	Total (In Dollars)
<b>Section 1 - Mobilization and Surveying</b>						
	1	Provide all necessary construction surveying and staking to meet layout and grading requirements for all facets of work	1	LS	\$2,500.00	\$2,500.00
	2	Mobilization (10%)	1	LS	\$33,000.00	\$33,000.00
	3	Silt Fence Type Machine Sliced	6,000	LF	\$0.70	\$4,200.00
	4	Filter Log Type Straw Bioroll	800	LF	\$2.00	\$1,600.00
	5	Erosion Control Blankets Category 3	2,400	SY	\$1.25	\$3,000.00
	6	Traffic Control	1	LS	\$2,000.00	\$2,000.00
<b>Section 1 - Mobilization and Surveying Total:</b>						<b>\$46,300.00</b>
<b>Section 2 - Removals</b>						
Notes	No.		Estimated Bid Qty.	Unit	Unit Bid (in Dollars)	Total Bid (In Dollars)
	1	Clearing	0.5	AC	\$2,500.00	\$1,250.00
	2	Grubbing	0.5	AC	\$2,000.00	\$1,000.00
<b>Section 2 - Removals Total:</b>						<b>\$2,250.00</b>
<b>Section 3 - Earthwork</b>						
Notes	No.		Estimated Qty.	Unit	Unit Price (in Dollars)	Total (In Dollars)
	1	Wetland Mitigation	9,600	SF	\$2.00	\$19,200.00
	2	Common Excavation	3,500	CY	\$10.00	\$35,000.00
	3	Select Granular Borrow	550	CY	\$15.00	\$8,250.00
	4	Topsoil Borrow	1,600	CY	\$15.00	\$24,000.00
<b>Section 3 - Earthwork Total:</b>						<b>\$86,450.00</b>
<b>Section 4 - Retaining Walls</b>						
No.			Estimated Qty.	Unit	Unit Price (in Dollars)	Total (In Dollars)
	1	Modular Block Retaining Walls	1,500	SF	\$30.00	\$45,000.00
<b>Section 4 - Retaining Walls Total:</b>						<b>\$45,000.00</b>
<b>Section 5 - Utilities</b>						
Notes	No.		Estimated Qty.	Unit	Unit Price (in Dollars)	Total (In Dollars)
	1	15" CS Pipe Sewer	80	LF	\$35.00	\$2,800.00
	2	15" CS Pipe Apron	8	EA	\$400.00	\$3,200.00
<b>Section 5 - Utilities Total:</b>						<b>\$6,000.00</b>
<b>Section 6 - Bituminous &amp; Concrete Pavement</b>						
Notes	No.		Estimated Qty.	Unit	Unit Price (in Dollars)	Total (In Dollars)
	1	Furnish and install 2" thick bituminous trail and 4" aggregate base	8,900	SY	\$18.00	\$160,200.00
	2	Furnish and install pedestrian ramps and truncated domes, complete	6	EA	\$1,000.00	\$6,000.00
<b>Section 6 - Bituminous &amp; Concrete Pavement Total:</b>						<b>\$166,200.00</b>
<b>Section 7 - Signage &amp; Striping</b>						
Notes	No.		Estimated Qty.	Unit	Unit Price (in Dollars)	Total (In Dollars)
	1	4" Broken Line Yellow Paint	2,000	LF	\$0.60	\$1,200.00
	2	Furnish & Install Sign Panels Type C	144	SF	\$50.00	\$7,200.00
<b>Section 7 - Signage &amp; Striping Total:</b>						<b>\$8,400.00</b>
<b>Section 8 - Turf Establishment</b>						
Notes	No.		Estimated Qty.	Unit	Unit Price (in Dollars)	Total (In Dollars)
	1	Turf Establishment - Seeding	2	AC	\$2,000.00	\$4,000.00
<b>Section 8 - Turf Establishment Total:</b>						<b>\$4,000.00</b>
<b>Subtotal</b>						<b>\$364,600.00</b>
<b>15% Contingency</b>						<b>\$54,690.00</b>
<b>Total Construction Estimate</b>						<b>\$419,290.00</b>
<b>Alternate 1 - Boardwalk</b>						
Notes	No.		Estimated Qty.	Unit	Unit Price (in Dollars)	Total (In Dollars)
	1	Boardwalk (250 lft x 14 feet wide)	1	LS	\$140,000.00	\$140,000.00
<b>Alternate 1 - Boardwalk Total:</b>						<b>\$140,000.00</b>
<b>Total Construction Estimate Including Boardwalk</b>						<b>\$580,290.00</b>

**NOTES:**

1. This estimate is for planning purposes only and is approximate.
2. Estimated trail length: 8,000 lft.
3. Wetland mitigation rate used is \$2.00 per square foot with a 2:1 mitigation ratio.
4. Two roadway crossings, seven driveway crossings.
5. Estimate assumes 2 inches bituminous over 4 inches of Class V base material.
6. Five feet each side of trail assumed for turf establishment.