

PIN: UT 19044 PROJECT # PROJECT NAME:
Cost Estimate - Concept Level

Prepared By: Richard Peterson Date 2/16/2024

Proposed Project Scope: Extension of the Loafer Mtn Pkwy project south to Sky Hawk Way

Approximate Route Reference Mile Post (BEGIN) =	0.000	(END) =	0.175
Project Length =	0.175	miles	924 ft
Current Year =	2025		
Assumed Construction Year =	2025		
Construction Items Inflation Factor =	1.00	0 yrs for inflation	
Assumed Yearly Inflation for Engineering Services (PE and CE) (%/yr) =	1.00%		
Assumed Yearly Inflation for Right of Way (%/yr) =	1.0%		
Items not Estimated (% of Construction) =	20.0%		
Construction Engineering (% of Construction + Incentives) =	10.0%		

Manually Input

Construction Items	Cost	Remarks
Pulic Information Services	\$1,100	
Roadway and Drainage	\$290,815	
Traffic and Safety	\$5,582	
Environmental Mitigation	\$2,425	
Water Line Extension	\$80,000	
	Subtotal	\$379,922
	Items not Estimated (10%)	\$37,992
	Construction Subtotal	\$417,914
P.E. Cost	P.E. Subtotal	\$49,770 0%
C.E. Cost	C.E. Subtotal	\$51,500 10%
Right of Way Urban/Suburban Residential	Right of Way Subtotal	\$0
Utilities	Utilities Subtotal	\$0
Incentives	Incentives Subtotal	\$0
Miscellaneous	Miscellaneous Subtotal	\$0

Cost Estimate (ePM screen 505)	2025	2025
P.E.	\$50,000	\$50,000
Right of Way	\$0	\$0
Utilities		\$0
Construction	\$418,000	\$418,000
C.E.	\$52,000	\$52,000
Incentives	\$0	\$0
Aesthetics	0.00%	\$0
Change Order Contingency	7.00%	\$29,000
Miscellaneous	\$0	\$0
TOTAL	\$549,000	TOTAL \$549,000

PROPOSED COMMISSION REQUEST	TOTAL	\$549,000	TOTAL	\$549,000
-----------------------------	-------	-----------	-------	-----------

Project Assumptions/Risks

1	8
2	9
3	10
4	11
5	12
6	13
7	14

Manually Input

Be sure to link applicable cells

Item #	Item	Quantity	Units	Price	Cost	Remarks
Roadway						
015017010	Mobilization	1	Lump	\$23,000.00	\$23,000.00	Usually 7-10% of construction
015547005	Traffic Control	1	Lump	\$4,500.00	\$4,500.00	Usually 3-5% of construction
020567010	Borrow	1,232	Ton	\$8.40	\$10,351.25	
020567015	Granular Borrow (Plan Quantity)	641	cu yd	\$24.25	\$15,544.25	50' Pavement Width, 12"
023167020	Roadway Excavation (Plan Quantity)	984	cu yd	\$12.50	\$12,300.00	
027417050	HMA - 1/2 Inch	924	Ton	\$92.45	\$85,423.80	50' Pavement Width, 6" New Construction 3" Overlay
027217020	Untreated Base Course (Plan Quantity)	796	cu yd	\$29.90	\$23,793.18	50' Pavement Width, 8"
027767025	Concrete Curb and Gutter Type B1	1,835	ft	\$24.65	\$45,232.75	Type D, Simmilar price Assumed
029617030	Rotomilling - 2 Inch	15,335	sq yd	\$2.00	\$30,670.00	No Kenny Seng Price. Udot Average Bid 2023 = \$4.04
Roadway Subtotal					\$250,815	
Drainage						
#N/A	5'X5' Curb and Gutter Inlet and Sump	4	Each	\$10,000.00	\$40,000.00	No Kenny Seng Price.
Drainage Subtotal					\$40,000	
PI						
015407010	Public Information Services	1	Lump	\$1,100.00	\$1,100	Usually 0.25% of construction

5.50% 5%-7% for larger projects (over \$5,000,000)
1.08% 1%-2% for larger projects (over \$5,000,000)

0.26% 0.25%

The items listed above are some commonly used items. The above list is not all inclusive. Current standard items can be found in the Masterworks Estimating and Bidding module.

The "Item List" tab shows current bid items and measurement and payment information as of 5/31/2022

MAIN

51500

Traffic, Safety & ITS

PIN: UT 19044 PROJECT # PROJECT NAME:

Manually Input

Item #	Item	Quantity	Units	Price	Cost	Remarks
Traffic						
027657050	Pavement Marking Paint	42	gal	\$41.00	\$1,722.00	
027687105	Pavement Message (Preformed Thermoplastic)	4	Each	\$235.00	\$940.00	
028917060	Sign Type A-1, 30 Inch X 30 Inch	2	Each	\$940.00	\$1,880.00	
028917270	Remove Sign Less Than 20 Square Feet	2	Each	\$100.00	\$200.00	
028917285	Relocate Sign Less Than 20 Square Feet	2	Each	\$420.00	\$840.00	
Signals						
#N/A			#N/A			
Lighting						
#N/A			#N/A			
Traffic and Safety Subtotal					\$5,582	
ITS						
#N/A			#N/A			
ITS Subtotal					\$0	

MAIN

[The items listed above are some commonly used items. The above list is not all inclusive. Current standard items can be found in the Masterworks Estimating and Bidding module.](#)

The "Item List" tab shows current bid items and measurement and payment information as of 5/31/2022

49770
51500

Environmental and Landscaping

PIN: UT 19044 PROJECT # PROJECT NAME:

Manually Input

Item #	Item	Quantity	Units	Price	Cost	Remarks
Environmental						
#N/A						
Temporary Erosion Control						
015717030	Silt Fence	1,820	ft	\$1.25	\$2,275.00	No Kenny Seng Price. Udot Average Bid 2023 = \$3.76
015717075	Drop-Inlet Barrier - Fiber Roll	50	ft	\$3.00	\$150.00	No Kenny Seng Price. Udot Average Bid 2023 = \$10.74
Landscaping						
#N/A			#N/A			
Environmental Mitigation Subtotal					\$2,425	

MAIN

The items listed above are some commonly used items. The above list is not all inclusive. Current standard items can be found in the Masterworks Estimating and Bidding module.

The "Item List" tab shows current bid items and measurement and payment information as of 5/31/2022

49770
51500

Utilities, Right of Way, and Incentives

PIN: UT 19044 PROJECT # PROJECT NAME:

Manually Input

Item #	Item	Quantity	Units	Price	Cost	Remarks
Utilities						
	Water Line Extension	1	Lump	\$80,000.00	\$80,000.00	
Utilities Subtotal					\$80,000	
Right-of-way						
	Non-Urban/Suburban Residential		Each			
Right-of-Way Subtotal					\$0	
Incentives						
#N/A		1	#N/A			
Incentives Subtotal					\$0	

MAIN

[The items listed above are some commonly used items. The above list is not all inclusive. Current standard items can be found in the Masterworks Estimating and Bidding module.](#)

The "Item List" tab shows current bid items and measurement and payment information as of 5/31/2022