

**PIN: 16097 PROJECT # S-R499(317) PROJECT NAME: East Parking Structure
Cost Estimate - Concept Level**

Prepared By: JAH/KSR

Date: 2/9/2018

Proposed Project Scope: Construction of a four story parking structure on the lot next to the MIC that will have around 250 stalls

Approximate Route Reference Mile Post (BEGIN) =	NA	(END) =	NA
Project Length =	NA	miles	NA
Current FY Year (July-June) =	2018		
Assumed Construction FY Year =	2019		
Construction Items Inflation Factor =	1.06	1 yrs for inflation	
Assumed Yearly Inflation for Engineering Services (PE and CE) (%/yr) =	3.0%		
	296	3.0%	
Items not Estimated (% of Construction) =	3.0%		
Preliminary Engineering (% of Construction + Incentives) =	7.0%		
Construction Engineering (% of Construction + Incentives) =	6.5%		

Construction Items	Cost	Remarks
Public Information Services	\$15,000	
Roadway and Drainage	\$560,600	
Traffic and Safety	\$3,300	
Structures	\$3,510,000	
Environmental Mitigation	\$20,000	
ITS	\$0	
	Subtotal	\$4,108,900
	Items not Estimated (3%)	\$123,267
	Construction Subtotal	\$4,232,167
P.E. Cost	P.E. Subtotal	\$296,252 7%
C.E. Cost	C.E. Subtotal	\$275,091 7%
Right of Way	Right of Way Subtotal	\$0
Utilities	Utilities Subtotal	\$536,000
Incentives	Incentives Subtotal	\$0
Miscellaneous	Miscellaneous Subtotal	\$0

Cost Estimate (ePM screen 505)	2018	2019
P.E.	\$296,000	\$305,000
Right of Way	\$0	\$0
Utilities	\$536,000	\$565,000
Construction	\$4,232,000	\$4,465,000
C.E.	\$275,000	\$283,000
Incentives	\$0	\$0
Aesthetics	7.00% \$296,000	\$312,000
Change Order Contingency	9.00% \$408,000	\$430,000
UDOT Oversight	1.00% \$53,000	\$56,000
Miscellaneous	\$0	\$0
TOTAL	\$6,096,000	TOTAL \$6,416,000

PROPOSED COMMISSION REQUEST	TOTAL \$6,096,000	TOTAL \$6,416,000
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Project Assumptions/Risks

- | | |
|---|---------------------------------------|
| 1 Assumed excavation of 15' needed for structure due to one level below ground. | 8 Assumed a 100 Kw Solar panel system |
| 2 Assumed no major utility conflicts | 9 |
| 3 Assumed no Traffic Control needed | 10 |
| 4 Drainage and Utility connections included in structure cost | 11 |
| 5 Assumes all property is owned by Grand County | 12 |
| 6 Maintenance costs are not included but are an estimated \$100,000 per year. | 13 |
| 7 Paid parking costs are not included but will be an estimated initial investment of \$10,000 | 14 |

Roadway and Drainage

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Item #	Item	Quantity	Units	Price	Cost	Remarks
Roadway						
015017010	Mobilization	1	lump	\$100,000.00	\$100,000.00	
022217110	Remove Concrete Sidewalk	500	square yard	\$10.00	\$5,000.00	
022217125	Remove Concrete Curb and Gutter	200	foot	\$5.00	\$1,000.00	
022217120	Remove Concrete Curb	400	foot	\$4.00	\$1,600.00	
02316702*	Structural Excavation	12,500	cubic yard	\$35.00	\$437,500.00	
022217165	Remove Asphalt Pavement	2,500	square yard	\$5.00	\$12,500.00	
027767010	Concrete Sidewalk	600	square foot	\$5.00	\$3,000.00	
Roadway Subtotal					\$560,600	
Drainage						
						Not Estimated
Drainage Subtotal					\$0	
PI						
015407010	Public Information Services	1	lump	\$15,000.00	\$15,000	

Traffic, Safety & ITS

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Item #	Item	Quantity	Units	Price	Cost	Remarks
Traffic						
02891707*	Sign Type A-2	3	each	\$500.00	\$1,500.00	Size and type to be designed
02891735*	Sign Post	3	each	\$200.00	\$600.00	Size and type to be designed
02891730*	Sign Post Base	3	each	\$400.00	\$1,200.00	Size and type to be designed
Traffic and Safety Subtotal					\$3,300	
ITS						
						Not Estimated
ITS Subtotal					\$0	

Structures

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Item #	Item	Quantity	Units	Price	Cost	Remarks
Structures						
	Parking Garage	1	Lump	\$3,500,000.00	\$3,500,000.00	\$14000/stall - 250 stalls
	Geotech Report	1	Lump	\$10,000.00	\$10,000.00	
Structures Subtotal					\$3,510,000	

Environmental and Landscaping

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Item #	Item	Quantity	Units	Price	Cost	Remarks
Environmental						
						Not Estimated
Temporary Erosion Control						
						Not Estimated
Landscaping						
02922706*	General Landscaping	1	lump	\$20,000.00	\$20,000.00	
Environmental Mitigation Subtotal					\$20,000	

Utilities, Right of Way, and Incentives

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Item #	Item	Quantity	Units	Price	Cost	Remarks
Utilities						
	Solar Panels	1	Lump	\$350,000.00	\$350,000.00	
	Shade Structure for solar panels	1	Lump	\$150,000.00	\$150,000.00	
	Charging Stations	6	Lump	\$6,000.00	\$36,000.00	
Utilities Subtotal					\$536,000	
Right-of-way						
						Not Estimated
Right-of-Way Subtotal					\$0	
Incentives						
						Not Estimated
Incentives Subtotal					\$0	