



Engineer's Opinion of Probable Project Cost

FULL BUILDOUT - TIGER VII

Kalispell, Montana

Item	Quantity	Unit	Unit Cost	Cost
Mobilization	1	LS	\$ 522,000.00	\$ 522,000
Easement and Property Acquisition	1	LS	\$ 25,000.00	\$ 25,000
Traffic Control	1	LS	\$ 75,000.00	\$ 75,000
Fencing	4,700	LF	\$ 20.00	\$ 94,000
Water Infrastructure				
12" PVC Water Main	8,600	LF	\$ 65.00	\$ 559,000
Valves and Fittings	1	LS	\$ 78,000.00	\$ 78,000
Fire Hydrant Assembly	17	EA	\$ 6,000.00	\$ 102,000
2" Service	4	EA	\$ 1,000.00	\$ 4,000
Rail road crossing (steel sleeve)	1	EA	\$ 25,000.00	\$ 25,000
Temporary service & 20 service	1	EA	\$ 60,000.00	\$ 60,000
Pavement Surface Restoration	5,156	SY	\$ 28.00	\$ 144,356
			Subtotal	\$ 972,356
Wastewater Infrastructure				
8" PVC Sewer Main	2,200	LF	\$ 55.00	\$ 121,000
4" PVC Forcemain	2,400	LF	\$ 25.00	\$ 60,000
Basic Manhole	12	EA	\$ 4,000.00	\$ 48,000
Manhole Additional Depth	60	VF	\$ 200.00	\$ 12,000
Lift Station	1	LS	\$ 300,000.00	\$ 300,000
Sanitary Sewer Service	4	EA	\$ 1,000.00	\$ 4,000
Rail road crossing (steel sleeve)	1	EA	\$ 25,000.00	\$ 25,000
Pavement Surface Restoration	0	SY	\$ 24.00	\$ -
			Subtotal	\$ 570,000
Storm Water				
48" Manhole	8	EA	\$3,800.00	\$30,400.00
60" Manhole	4	EA	\$6,800.00	\$27,200.00
72" Manhole	1	EA	\$8,500.00	\$8,500.00
30" Curb Inlet	15	EA	\$2,600.00	\$39,000.00
48" Curb Inlet	3	EA	\$3,500.00	\$10,500.00
60" Curb Inlet	2	EA	\$6,800.00	\$13,600.00
72" Curb Inlet	1	EA	\$8,500.00	\$8,500.00
12" RCP Irr. (CL. 5)	310	LF	\$43.25	\$13,401.36
18" RCP Irr. (CL. 3)	903	LF	\$61.00	\$55,094.59
24" RCP Irr. (CL. 3)	995	LF	\$106.50	\$105,937.25
24" RCP Irr. (CL. 5)	114	LF	\$110.00	\$12,493.14
30" RCP Irr. (CL. 3)	702	LF	\$126.25	\$88,597.20

30" RCP Irr. (CL. 5)	223	LF	\$135.00	\$30,138.35
Pond Excavation	2,989	CY	\$6.00	\$17,931.36
Pond Embankment	1,493	CY	\$3.00	\$4,477.53
Concrete Dig Out Excavation	3,309	CY	\$10.00	\$33,086.20
Filter Sand	476	CY	\$30.00	\$14,291.10
Riprap	133	CY	\$85.00	\$11,290.55
Lagoon Site Seeding and Fertilizing	1.0	ACRE	\$800.00	\$815.34
Hydromulch	4,933	SY	\$0.70	\$3,452.95
Tackifier	4,933	SY	\$0.25	\$1,233.20
			Subtotal	\$ 529,940
Misc. Utilities				
Lighting, telephone, & fiber	1	LS	\$ 100,000.00	\$ 100,000
Power & Electrical	1	LS	\$ 110,000.00	\$ 110,000
Natural Gas	1	LS	\$ 100,000.00	\$ 100,000
			Subtotal	\$ 310,000
Grading				
Demolition	1	LS	\$ 75,000.00	\$ 75,000
Hydroseed slopes & slope stabilization	8.0	AC	\$ 25,000.00	\$ 200,000
Cut and Onsite Fill	164,229	CY	\$ 4.50	\$ 739,031
Cut and Waste Fill Offsite	192,713	CY	\$ 12.00	\$ 2,312,556
			Subtotal	\$ 3,326,587
Road Improvements to E. Oregon, Flathead Dr & Inside Rd				
Removal of existing asphalt	11,200	SY	\$ 3.50	\$ 39,200
Geotextile	26,400	SY	\$ 1.25	\$ 33,000
Geogrid	26,400	SY	\$ 2.50	\$ 66,000
Road Gravel Base Course (6") & Subbase (12")	11,496	CY	\$ 25.00	\$ 287,407
Sidewalk Gravel Base Course (4")	230	CY	\$ 35.00	\$ 8,037
Asphalt Pavement (4")	22,933	SY	\$ 24.00	\$ 550,400
Asphalt Concrete binder	299	ton	\$ 650.00	\$ 194,532
RR xing safety equipment (2 crossings)	2	EA	\$ 400,000.00	\$ 800,000
Signs (monument)	1	LS	\$ 5,000.00	\$ 5,000
Boulevard	2.00	AC	\$ 2,500.00	\$ 5,000
Curb and Gutter	7,270	LF	\$ 32.00	\$ 232,640
Sidewalk (5' Wide One Side of Road)	15,500	SF	\$ 7.00	\$ 108,500
Gravel interior road after grading	1,175	CY	\$ 35.00	\$ 41,136
			Subtotal	\$ 2,370,852
Flathead Drive Traffic Signal				
Install Signal at Flathead Dr. and US 2	1	LS	\$ 250,000.00	\$ 250,000
			Subtotal	\$ 250,000

Onsite Rail Construction				
Geotextile	41,844	SY	\$ 1.25	\$ 52,305
Geogrid	41,844	SY	\$ 2.50	\$ 104,610
Subballast	20,922	CY	\$ 35.00	\$ 732,270
Ballast, Ties & Rail	8,069	TF	\$ 175.00	\$ 1,412,075
No. 9 Turnout	13	EA	\$ 60,000.00	\$ 780,000
Retaining wall	1	LS	\$ 50,000.00	\$ 50,000
Subtotal				\$ 3,131,260
Offsite Rail Construction				
Geotextile	13,052	SY	\$ 1.25	\$ 16,315
Geogrid	13,052	SY	\$ 2.50	\$ 32,630
Subballast	6,526	CY	\$ 35.00	\$ 228,410
Ballast, Ties & Rail	2,711	TF	\$ 175.00	\$ 474,425
No. 11 Turnout	3	EA	\$ 70,000.00	\$ 210,000
Road crossing	1	LS	\$ 75,000.00	\$ 75,000
Double Switch Derail	3	EA	\$ 45,000.00	\$ 135,000
Seeding	2.0	AC	\$ 2,000.00	\$ 4,000
Subtotal				\$ 1,175,780
Multi-Use Trail Development				
Land Acquisition for Trail	3.0	AC	\$ 66,000.00	\$ 200,000
Installation of Multi-Use Trail	10,500	LF	\$ 136.00	\$ 1,428,000
Regional Trailhead Connection Points	1	LS	\$ 60,000.00	\$ 60,000
Pedestrian Crossing Upgrades	1	LS	\$ 1,302,000.00	\$ 1,302,000
Complete Street Extensions	1	LS	\$ 1,072,000.00	\$ 1,072,000
Subtotal				\$ 4,062,000
Estimated Construction Cost				\$ 17,414,774
Legal/Admin	1	%	\$ 174,100.00	\$ 174,100
Permitting	1	LS	\$ 20,000.00	\$ 20,000
Interest short term funding loan	1	LS	\$ 500,000.00	\$ 500,000
Design of multi-use trail & roads	8	%	\$ 325,000.00	\$ 325,000
Construction Engineering/Survey	10	%	\$ 1,741,500.00	\$ 1,741,500
Estimated Total Project Cost				\$ 20,175,374
Budget Risk Management	1	LS	\$ 1,000,000.00	\$ 1,000,000
Estimated Total Project Cost Including Budget Risk Management				\$ 21,175,374