

Alaska Department of Environmental Conservation
Municipal Matching Grant & Loans
SFY18 Project Questionnaire Scoring

“MGL – Cost Estimate Form”

Currently, the MGL program is in development of a standard “MGL – Cost Estimate Form.” Since the form is in development and will not be ready for the SFY18 MMG Project Questionnaire solicitation, two example cost estimate forms have been provided. These example forms should be sufficient to provide guidance on the amount of detail needed for submitting an adequate cost estimate for the solicitation.

If you have any questions, please contact the MGL program in the Anchorage ADEC office at 269-7502, or email either Mike Lewis at mike.lewis@alaska.gov or Beth Verrelli at beth.verrelli@alaska.gov.

ATTACHMENTS:

- Example Cost Estimate #1
- Example Cost Estimate #2

**Itemized Construction Cost Estimate
State of Alaska Grant 000000**

Improvements, Phase I	Qty	Unit	Unit Cost	Total
Arctic Water	1,300	LF	\$ 410	\$ 533,000
Tee Based Fire Hydrants	3	EA	\$ 20,000	\$ 60,000
Connection to Existing System	2	EA	\$ 20,000	\$ 40,000
Sewer	1,300	LF	\$ 450	\$ 585,000
Sanitary Manholes	4	EA	\$ 10,000	\$ 40,000
Water/Sewer Service Lines	20	EA	\$ 35,000	\$ 700,000
Stormwater Collection (with seasonal thaw heat trace)	1,200	LF	\$ 260	\$ 312,000
Stormwater Collection Manholes	4	EA	\$ 8,000	\$ 32,000
Total				\$ 2,302,000

Example Cost Estimate #1

Assumptions:

1. All work will be completed using force account construction procedures including any established local hire wage and equipment lease rates.
2. Construction activities shall be initiated in 20xx
3. A total of 20 each existing service lines will be upgraded.
4. Approximately \$35,000 in design, grant application and other ineligible costs are not included in the above estimate.

Road, Water and Sewer Improvements
XX Road Way to XX Street Drive; Contract No. 000000
Engineer's Estimate - Base Bid

PAY ITEM NO.	PAY ITEM DESCRIPTION	PAY UNIT	APPROX. QUANTITY	UNIT PRICE		AMOUNT	
				DOLLARS	CENTS	DOLLARS	CENTS
10.5(a)	Final Completion Payment	Lump Sum	All Req'd	Lump	Sum	\$10,000	00
10.5(b)	Warranty Payment	Lump Sum	All Req'd	Lump	Sum	\$5,000	00
15.01	Mobilization / Demobilization	Lump Sum	All Req'd	Lump	Sum	\$40,000	00
15.02	Construction Sign	Lump Sum	All Req'd	Lump	Sum	\$1,000	00
15.03	Minor Change	Lump Sum	All Req'd	Lump	Sum	\$30,000	00
20.04	Unusable Excavation	CY	1,024	\$18	00	\$18,438	00
20.05	Selected Material, 8-Inch Minus Shot Rock Borrow	CY	433	\$45	00	\$19,485	00
20.06	Base Course, Grading D-1	CY	107	\$65	00	\$6,967	00
20.16	Shoring, Sheeting and Bracing	Lump Sum	All Req'd	Lump	Sum	\$5,000	00
20.17	Remove Existing Concrete	SY	81	\$10	00	\$812	00
20.18	Remove Existing Curb and Gutter	LF	80	\$10	00	\$800	00
20.19	Remove Existing Pavement	SY	1,653	\$9	00	\$14,875	00
20.21	Grade to Match Sidewalk or Gutter	Lump Sum	All Req'd	Lump	Sum	\$3,000	00
20.22	Geotextile Stabilization Fabric	SY	1,716	\$7	00	\$12,013	00
20.28	Erosion and Sediment Control	Lump Sum	All Req'd	Lump	Sum	\$5,000	00
30.02(a)	P.C.C. Curb and Gutter, Type I	LF	511	\$40	00	\$20,440	00
30.02(b)	P.C.C. Valley Gutter	LF	147	\$40	00	\$5,888	00
30.03	P.C.C. Sidewalk	SY	273	\$90	00	\$24,604	00
30.07	Detectable Tile	SF	32	\$60	00	\$1,920	00
40.02	A.C. Pavement, Type II, Class B	SY	1,095	\$65	00	\$71,143	00
50.02	Furnish and Install 8" C900 Pipe	LF	535	\$95	00	\$50,806	00
50.03	Construct Manhole (Type A)	Each	3	\$5,000	00	\$15,000	00
50.10	Sanitary Sewer Service	Each	7	\$2,000	00	\$14,000	00
55.02(a)	Furnish and Install 6" PVC Pipe	LF	150	\$55	00	\$8,250	00
55.02(b)	Furnish and Install 12" CPP (HP) Pipe	LF	246	\$75	00	\$18,480	00
55.04(a)	Construct Type I Storm Drain Manhole	Each	1	\$5,000	00	\$5,000	00
55.04(b)	Construct Type III Catch Basin	Each	2	\$2,500	00	\$5,000	00
55.04(c)	Construct Type IV Catch Basin	Each	2	\$3,000	00	\$6,000	00
60.02	Furnish and Install 8" HDPE Water Main	LF	587	\$90	00	\$52,830	00
60.03	Furnish and Install 8" Gate Valve and Valve Box	Each	2	\$2,000	00	\$4,000	00
60.04	Furnish and Install Fire Hydrant Assembly (Single Pumper)	Each	2	\$5,500	00	\$11,000	00
60.05	Furnish and Install 4" HDPE Fire Line	Each	2	\$6,000	00	\$12,000	00
60.06	Furnish and Install 1" HDPE Water Service	Each	4	\$2,500	00	\$10,000	00
65.02(a)	Construction Surveying	Lump Sum	All Req'd	Lump	Sum	\$15,000	00
65.02(b)	As-Built Drawings	Lump Sum	All Req'd	Lump	Sum	\$4,000	00
65.02(c)	Replace Disturbed Monument and Case	Each	4	\$1,200	00	\$4,800	00
70.07(a)	Remove Existing Manhole	Each	1	\$800	00	\$800	00
70.07(b)	Remove Existing Catch Basin	Each	1	\$400	00	\$400	00
70.16	Insulation Board - 2" Thick	SF	160	\$3	00	\$480	00
70.17	Painted Traffic Markings	Lump Sum	All Req'd	Lump	Sum	\$5,000	00
70.18	Sign Assemblies	Lump Sum	All Req'd	Lump	Sum	\$4,000	00
70.19	Traffic Maintenance	Lump Sum	All Req'd	Lump	Sum	\$10,000	00
70.23	Remove Existing Pipe	Lump Sum	All Req'd	Lump	Sum	\$2,000	00
70.24	Fill Existing Water Main w/ Slurry	Lump Sum	All Req'd	Lump	Sum	\$2,000	00
CONSTRUCTION TOTAL =						\$557,231	00
+5% Design Contingency =						\$27,862	00
+15% Construction Admin =						\$83,585	00
Easements/Acquisitions* =						\$1,000	00
TOTAL =						\$669,677	00