

CITY OF MARSHALLTOWN
 MARSHALLTOWN, IOWA
 RAISE GRANT - 2022 APPLICATION
 OPINION OF PROBABLE COSTS
 4/5/2022



Item No.	Description	Unit	Quantity	Price	Extension	PROPOSED FUNDING SCENARIO	
						RAISE GRANT REQUEST	OTHER FUNDING SOURCES
1	Mobilization	LS	1	\$ 1,291,468.00	\$ 1,291,468.00	\$ 1,291,468.00	\$ -
2	Traffic Control	LS	1	\$ 360,000.00	\$ 360,000.00	\$ 360,000.00	\$ -
3	Excavation, Class 13	CY	12,799	\$ 20.00	\$ 255,980.00	\$ 255,980.00	\$ -
4	Topsoil	CY	3,208	\$ 20.00	\$ 64,160.00	\$ 64,160.00	\$ -
5	Subgrade Prep	SY	38,398	\$ 3.00	\$ 115,194.00	\$ 115,194.00	\$ -
6	Subbase, Aggregate Base	SY	38,398	\$ 12.00	\$ 460,776.00	\$ 460,776.00	\$ -
7	Subbase Treatment, Geogrid	SY	38,398	\$ 4.00	\$ 153,592.00	\$ 153,592.00	\$ -
8	Subdrain	LF	7,759	\$ 21.00	\$ 162,939.00	\$ 162,939.00	\$ -
9	Subdrain Cleanouts	EA	22	\$ 730.00	\$ 16,060.00	\$ 16,060.00	\$ -
10	Subdrain Connections	EA	22	\$ 730.00	\$ 16,060.00	\$ 16,060.00	\$ -
11	Manhole Removal	EA	10	\$ 750.00	\$ 7,500.00	\$ 7,500.00	\$ -
12	Intake Removal	EA	47	\$ 750.00	\$ 35,250.00	\$ 35,250.00	\$ -
13	Pavement, PCC	SY	34,908	\$ 75.00	\$ 2,618,100.00	\$ 2,618,100.00	\$ -
14	Removal of Sidewalk	SY	9,358	\$ 13.00	\$ 121,654.00	\$ 121,654.00	\$ -
15	Removal of Driveway	SY	3,317	\$ 13.00	\$ 43,121.00	\$ 43,121.00	\$ -
16	Removal of Pavement	SY	40,536	\$ 11.00	\$ 445,896.00	\$ 445,896.00	\$ -
17	Sidewalk	SY	9,623	\$ 60.00	\$ 577,380.00	\$ 577,380.00	\$ -
18	Driveway	SY	3,317	\$ 70.00	\$ 232,190.00	\$ 232,190.00	\$ -
19	Detectable Warning	SF	1,030	\$ 55.00	\$ 56,650.00	\$ 56,650.00	\$ -
20	Pavement Markings	STA	355	\$ 20.00	\$ 7,100.00	\$ 7,100.00	\$ -
21	Marking Symbols	EA	210	\$ 170.00	\$ 35,700.00	\$ 35,700.00	\$ -
22	Signs	EA	92	\$ 400.00	\$ 36,800.00	\$ 36,800.00	\$ -
23	Sod	SQ	957	\$ 75.00	\$ 71,775.00	\$ 71,775.00	\$ -
24	Signals	EA	5	\$ 375,000.00	\$ 1,875,000.00	\$ 1,875,000.00	\$ -
25	Loop Detectors	EA	33	\$ 3,000.00	\$ 99,000.00	\$ 99,000.00	\$ -
26	Remove Existing Barrier & Rail	LF	1,400	\$ 20.00	\$ 28,000.00	\$ 28,000.00	\$ -
27	Barrier and Rail - BA-101	LF	1,400	\$ 250.00	\$ 350,000.00	\$ 350,000.00	\$ -
28	Erosion Control	LS	1	\$ 280,000.00	\$ 280,000.00	\$ 280,000.00	\$ -
29	Street Trees	EA	69	\$ 400.00	\$ 27,600.00	\$ 27,600.00	\$ -
30	Street Lighting and Electrical	LS	1	\$ 225,000.00	\$ 225,000.00	\$ -	\$ 225,000.00
31	Streetscaping	LS	1	\$ 385,000.00	\$ 385,000.00	\$ 385,000.00	\$ -
32	Tree Removal	LS	1	\$ 20,000.00	\$ 20,000.00	\$ -	\$ 20,000.00
					\$ 10,474,945.00	\$ 10,229,945.00	\$ 245,000.00
SAN-1	Sanitary Sewer Pipe, 8 Inch	LF	4,351	\$ 70.00	\$ 304,570.00	\$ -	\$ 304,570.00
SAN-2	Sanitary Sewer Pipe, 10 Inch	LF	1,231	\$ 95.00	\$ 116,945.00	\$ -	\$ 116,945.00
SAN-3	Sanitary Sewer Pipe, 12 Inch	LF	430	\$ 125.00	\$ 53,750.00	\$ -	\$ 53,750.00
SAN-4	Sanitary Sewer Pipe, 15 Inch	LF	1,302	\$ 135.00	\$ 175,770.00	\$ -	\$ 175,770.00
SAN-5	Sanitary Sewer Pipe, 18 Inch	LF	30	\$ 200.00	\$ 6,000.00	\$ -	\$ 6,000.00
SAN-6	Sanitary Service Connections	EA	87	\$ 5,500.00	\$ 478,500.00	\$ -	\$ 478,500.00
SAN-7	Sanitary Manhole	EA	27	\$ 7,000.00	\$ 189,000.00	\$ -	\$ 189,000.00
					\$ 1,324,535.00	\$ -	\$ 1,324,535.00
STM-1	Storm Sewer Pipe, 15"	LF	3,459	\$ 90.00	\$ 311,310.00	\$ 155,655.00	\$ 155,655.00
STM-2	Storm Sewer Pipe, 18"-24"	LF	1,796	\$ 135.00	\$ 242,460.00	\$ 121,230.00	\$ 121,230.00
STM-3	Storm Sewer Pipe, 30" - 42"	LF	1,561	\$ 275.00	\$ 429,275.00	\$ 214,637.50	\$ 214,637.50
STM-4	Storm Sewer Pipe, ≥48"	LF	2,243	\$ 350.00	\$ 785,050.00	\$ 392,525.00	\$ 392,525.00
STM-5	Storm Manhole	EA	13	\$ 8,500.00	\$ 110,500.00	\$ 55,250.00	\$ 55,250.00
STM-6	Intake	EA	103	\$ 7,500.00	\$ 772,500.00	\$ 386,250.00	\$ 386,250.00
STM-7	Storm Sewer - Box Culvert	LF	2,500	\$ 1,100.00	\$ 2,750,000.00	\$ 1,375,000.00	\$ 1,375,000.00
					\$ 5,401,095.00	\$ 2,700,547.50	\$ 2,700,547.50
WAT-1	Water Main, 8"	LF	1,590	\$ 110.00	\$ 174,900.00	\$ -	\$ 174,900.00
WAT-2	Water Main, 12"	LF	55	\$ 135.00	\$ 7,425.00	\$ -	\$ 7,425.00
WAT-3	Water Main, 16"	LF	5,830	\$ 155.00	\$ 903,650.00	\$ -	\$ 903,650.00
WAT-4	Water Main, 20"	LF	635	\$ 200.00	\$ 127,000.00	\$ -	\$ 127,000.00
WAT-5	Water Main Tie-In	EA	32	\$ 6,500.00	\$ 208,000.00	\$ -	\$ 208,000.00
WAT-6	Insertion Valve, 4"	EA	6	\$ 8,250.00	\$ 49,500.00	\$ -	\$ 49,500.00
WAT-7	Insertion Valve, 6"	EA	13	\$ 8,850.00	\$ 115,050.00	\$ -	\$ 115,050.00
WAT-8	Insertion Valve, 8"	EA	6	\$ 9,800.00	\$ 58,800.00	\$ -	\$ 58,800.00
WAT-9	Insertion Valve, 12"	EA	1	\$ 17,500.00	\$ 17,500.00	\$ -	\$ 17,500.00
WAT-10	Insertion Valve, 16"	EA	2	\$ 35,900.00	\$ 71,800.00	\$ -	\$ 71,800.00
WAT-11	Insertion Valve, 20"	EA	1	\$ 61,100.00	\$ 61,100.00	\$ -	\$ 61,100.00
WAT-12	Butterfly Valve, 12"	EA	1	\$ 5,000.00	\$ 5,000.00	\$ -	\$ 5,000.00
WAT-13	Butterfly Valve, 16"	EA	28	\$ 7,300.00	\$ 204,400.00	\$ -	\$ 204,400.00
WAT-14	Butterfly Valve, 20"	EA	4	\$ 9,500.00	\$ 38,000.00	\$ -	\$ 38,000.00
WAT-15	Gate Valve, 4"	EA	1	\$ 3,500.00	\$ 3,500.00	\$ -	\$ 3,500.00
WAT-16	Gate Valve, 8"	EA	24	\$ 5,000.00	\$ 120,000.00	\$ -	\$ 120,000.00
WAT-17	Fire Hydrant Assembly	EA	17	\$ 7,000.00	\$ 119,000.00	\$ -	\$ 119,000.00
WAT-18	Water Service Reconnections	EA	143	\$ 3,600.00	\$ 514,800.00	\$ -	\$ 514,800.00
					\$ 2,799,425.00	\$ -	\$ 2,799,425.00
Subtotal Construction					\$ 20,000,000.00	\$ 12,930,492.50	\$ 7,069,507.50
Construction Contingencies (~20%)					\$ 4,000,000.00	\$ 2,590,907.50	\$ 1,409,092.50
Opinion of Estimated Construction Cost					\$ 24,000,000.00	\$ 15,521,400.00	\$ 8,478,600.00
Preliminary Engineering Report					\$ 360,000.00	\$ 262,800.00	\$ 97,200.00
Route Survey and Geotechnical Testing					\$ 480,000.00	\$ 350,400.00	\$ 129,600.00
Design, Plans and Specifications					\$ 1,680,000.00	\$ 1,226,400.00	\$ 453,600.00
Construction Contract Administration					\$ 240,000.00	\$ 175,200.00	\$ 64,800.00
Construction Staking					\$ 360,000.00	\$ 262,800.00	\$ 97,200.00
Resident Project Representative					\$ 1,200,000.00	\$ 876,000.00	\$ 324,000.00
Subtotal Engineering					\$ 4,320,000.00	\$ 3,153,600.00	\$ 1,166,400.00
Land Acquisition (Permanent)					\$ 22,000.00	\$ 22,000.00	
Land Acquisition (Temporary)					\$ 3,000.00	\$ 3,000.00	
Subtotal Land Acquisition					\$ 25,000.00	\$ 25,000.00	
TOTAL OPINION OF IMPROVEMENT COST					\$ 28,345,000.00	\$ 18,700,000.00	\$ 9,645,000.00