



STATE OF WEST VIRGINIA
DEPARTMENT OF HEALTH AND HUMAN RESOURCES
BUREAU FOR PUBLIC HEALTH
OFFICE OF ENVIRONMENTAL HEALTH SERVICES

Earl Ray Tomblin
Governor

Karen L. Bowling
Cabinet Secretary

MEMORANDUM

TO: Chris Jarrett, Chairman, Funding Committee
WV Infrastructure and Jobs Development Council

FROM: Robert W. DeCrease, P.E. *RWD*
Water Technical Review Committee

DATE: March 24, 2015

RE: Request for Funding Increase
Town of Mill Creek
Water System Improvement Project
IJDC Project No.: **2012W-1387**

REQUEST:

The Town of Mill Creek is requesting a revision to the original binding commitment, granted on August 6, 2014, for the Town's Water System Improvement Project. Since the approval of this binding commitment, the Town's engineers have completed the design and updated the construction costs determining that an additional \$500,000 will be needed to complete the project as proposed. The increase in costs was a result of changes in the alignment during design as well as the relocation of the site for the water storage tank.

The Town of Mill Creek is requesting an additional \$250,000 of IJDC Loan funds and \$250,000 of IJDC Grant funds to cover the increase in costs. With the increase, the IJDC Loan will change to \$3,750,000 and the IJDC Grant will change to \$1,001,000 with a total project cost of \$4,751,000.

It should be noted that within the Town's request letter, it was stated that the Town's current rate structure will only support an additional \$250,000 in loan funds.

RECOMMENDATION:

In reviewing the probable construction cost provided with this request, the Technical Review Committee believes that the costs are reasonable with current bidding trends and that there are no technical issues related to this request. Therefore, the Technical Review Committee recommends review and approval by the IJDC Funding Committee. IJDC Staff should confirm the availability of funds.

Town of Mill Creek

P.O. Box 128 Mill Creek, WV 26280

March 10, 2015

Mr. Jim Ellars, P.E.
Executive Director
WV Infrastructure and Jobs Development Council
1009 Bullitt Street
Charleston, WV 25301

**RE: Town of Mill Creek
2012W-1387**

Dear Mr. Ellars:

On behalf of the Town of Mill Creek, please accept this letter as an official request to revise our original binding commitment for the Town's Water System Improvement project.

On August 6, 2014, the Town of Mill Creek received a binding commitment of a \$3,500,000 IJDC Loan and a \$751,000 IJDC Grant. Since the approval of this original binding commitment, Town's engineers have completed the design and updated the construction costs for the project. After updating the construction costs, it was determined that an additional \$500,000.00 is needed to complete the project as proposed. This increase is due to changes in the alignment during design as well as the relocation of the site for the water storage tank.

The Town of Mill Creek is requesting that the original binding commitment be revised and requests an additional \$250,000.00 of IJDC Loan funds and \$250,000.00 of IJDC Grant funds to cover the increase in costs. With this increase, the IJDC Loan will change to \$3,750,000 and the IJDC Grant will change to \$1,001,000. The total project cost will be \$4,751,000.00. I have attached a revised Pre-Bid Schedule B to reflect this request for your reference. Please note that the Town's current rate structure will only support an additional \$250,000.00 in loan funds.

The Town of Mill Creek has received all the required permits, including the PSC Certificate of Convenience and Necessity. The Town is currently in the process of obtaining right of ways and should have at least 80% by April 20, 2015, at which time the Town will be requesting authorization to bid. The Town would like to start advertising for bids by May 1, 2015 and start construction by August 1, 2015.

If you should have any questions or comments regarding this request, please feel free to contact me or Region VII Planning and Development Council at (304) 472.6564.

Thank you for your consideration.

Sincerely



Bill Brock
Mayor

TOWN OF MILL CREEK
Water System Improvements
Pre-Bid Schedule B--DRAFT
IJDC Project #2012W-1387

3/10/2015

A. Cost of Project	TOTAL	IJDC GRANT	IJDC LOAN
1. Construction	3,674,345	563,115	3,111,230
2. Construction Contingency (10%)	367,435	367,435	0
3. Technical Services (Potesta)			
a. Preliminary Engineering	9,500	0	9,500
b. Design	225,300	0	225,300
c. Engineering During Construction	38,200	0	38,200
d. Inspection	155,000	0	155,000
e. Special Services (Addendum #1)	16,500	0	16,500
4. Legal--PSC (Rodecker)	5,000	0	5,000
5. Legal--ROW (Busch, Zurbuch & Thompson)	30,000	0	30,000
6. Accounting (Bennett & Dobbins)	25,000	0	25,000
7. Land/ROW	30,000	0	30,000
8. Administration (Region VII)	60,000	0	60,000
9. Permits/Ads/Fees	12,770	0	12,770
10. Software	1,000	0	1,000
11. Project Contingency	70,450	70,450	0
12. Total of Lines 1 through 11	4,720,500	1,001,000	3,719,500
B. Cost of Financing			
13. Registrar Fees	500	0	500
14. Bond Counsel	30,000	0	30,000
15. Cost of Financing	30,500	0	30,500
16. TOTAL PROJECT COST	4,751,000	1,001,000	3,750,000
C. Sources of Funds			
17. State Grants (IJDC)	1,001,000	1,001,000	0
18. Federal Grants	0	0	0
19. TOTAL GRANTS	1,001,000	1,001,000	0
20. Size of Bond Issue	3,750,000	0	3,750,000

Town of Mill Creek

DATE

Potesta & Associates

DATE

PRELIMINARY ESTIMATE OF PROBABLE CONSTRUCTION COST

TOWN OF MILL CREEK WATER SYSTEM IMPROVEMENTS PROJECT

Item	Description	Unit	Quantity	Unit Price	Estimated Cost
1	Audio-Video Color Recording	LS	1	\$ 30,000.00	\$ 30,000.00
2	10" HDPE River Crossing, Directionally Drilled	LF	80	\$ 300.00	\$ 24,000.00
3	8" DIP Class 55 Restrained Joint Water Line, Ball and Socket (River Crossing)	LF	80	\$ 200.00	\$ 16,000.00
4	8" DIP Class 50 Water Line, Push-On	LF	700	\$ 58.00	\$ 40,600.00
5	8" PVC C900 DR 18 Water Line, Push-On	LF	12,300	\$ 38.00	\$ 467,400.00
6	6" DIP Class 50 Water Line, Push-On	LF	300	\$ 44.00	\$ 13,200.00
7	6" PVC C900 DR 18 Water Line, Push-On	LF	16,500	\$ 36.00	\$ 594,000.00
8	4" DIP Class 50 Water Line, Push-On	LF	40	\$ 36.00	\$ 1,440.00
9	3" DIP Class 50 Water Line, Push-On	LF	40	\$ 34.00	\$ 1,360.00
10	2" PVC Yelomine SDR 17 Restrained Joint Water Line	LF	30	\$ 36.00	\$ 1,080.00
11	2" HDPE SDR 9 Stream crossing	LF	125	\$ 38.00	\$ 4,750.00
12	2" PVC SDR 13.5 Water Line, Push On	LF	7,300	\$ 32.00	\$ 233,600.00
13	8" Gate Valve w/ Valve Box & Cover	EA	27	\$ 1,350.00	\$ 36,450.00
14	6" Gate Valve w/ Valve Box & Cover	EA	35	\$ 950.00	\$ 33,250.00
15	4" Gate Valve w/ Valve Box & Cover	EA	6	\$ 875.00	\$ 5,250.00
16	3" Gate Valve w/ Valve Box & Cover	EA	1	\$ 750.00	\$ 750.00
17	2" Threaded Gate Valve w/ Valve Box & Cover	EA	18	\$ 575.00	\$ 10,350.00
18	8" Tapping Sleeve w/ 8" Valve Box & Cover	EA	5	\$ 3,000.00	\$ 15,000.00
19	8" Tapping Sleeve w/ 6" Valve Box & Cover	EA	1	\$ 2,500.00	\$ 2,500.00
20	6" Tapping Sleeve w/ 6" Valve Box & Cover	EA	2	\$ 2,500.00	\$ 5,000.00
21	8" x 8" x 8" Anchor Tee	EA	12	\$ 525.00	\$ 6,300.00
22	8" x 8" x 6" Anchor Tee	EA	15	\$ 400.00	\$ 6,000.00
23	8" x 8" x 4" Threaded Tee	EA	1	\$ 375.00	\$ 375.00
24	8" x 8" x 3" Threaded Tee	EA	1	\$ 375.00	\$ 375.00
25	8" x 8" x 2" Threaded Tee	EA	3	\$ 375.00	\$ 1,125.00
26	6" x 6" x 6" Anchor Tee	EA	10	\$ 350.00	\$ 3,500.00
27	6" x 6" x 4" Threaded Tee	EA	5	\$ 325.00	\$ 1,625.00
28	6" x 6" x 2" Threaded Tee	EA	2	\$ 300.00	\$ 600.00
29	2" x 2" x 2" Threaded Tee	EA	2	\$ 275.00	\$ 550.00
30	8" x 2" MJ Threaded Cap	EA	5	\$ 75.00	\$ 375.00
31	6" x 2" MJ Threaded Cap	EA	7	\$ 75.00	\$ 525.00
32	MJ Reducers (10" x 8" or 8" x 6" or 6" x 4")	EA	12	\$ 320.00	\$ 3,840.00
33	8" MJ Solid Sleeve	EA	5	\$ 320.00	\$ 1,600.00
34	6" MJ Solid Sleeve	EA	5	\$ 230.00	\$ 1,150.00
35	4" MJ Solid Sleeve	EA	6	\$ 215.00	\$ 1,290.00
36	3" MJ Solid Sleeve	EA	2	\$ 190.00	\$ 380.00
37	2" MJ Solid Sleeve	EA	5	\$ 175.00	\$ 875.00
38	10" MJ Bends (90, 45, 22.5, or 11.25-degree)	EA	2	\$ 400.00	\$ 800.00
39	8" MJ Bends (90, 45, 22.5, or 11.25-degree)	EA	80	\$ 320.00	\$ 25,600.00
40	6" MJ Bends (90, 45, 22.5, or 11.25-degree)	EA	90	\$ 230.00	\$ 20,700.00
41	4" MJ Bends (90, 45, 22.5, or 11.25-degree)	EA	5	\$ 220.00	\$ 1,100.00
42	3" MJ Bends (90, 45, 22.5, or 11.25-degree)	EA	3	\$ 200.00	\$ 600.00
43	2" MJ Bends (90, 45, 22.5, or 11.25-degree)	EA	10	\$ 175.00	\$ 1,750.00
44	6" MJ Cross	EA	2	\$ 425.00	\$ 850.00
45	6" MJ Cap	EA	3	\$ 125.00	\$ 375.00
46	10" Foster Adaptor	EA	2	\$ 210.00	\$ 420.00

Item	Description	Unit	Quantity	Unit Price	Estimated Cost
47	8" Foster Adaptor	EA	28	\$ 190.00	\$ 5,320.00
48	6" Foster Adaptor	EA	22	\$ 145.00	\$ 3,190.00
49	8" Field-Lok Gasket	EA	40	\$ 80.00	\$ 3,200.00
50	6" Field-Lok Gasket	EA	10	\$ 75.00	\$ 750.00
51	2" PVC Adaptor	EA	25	\$ 100.00	\$ 2,500.00
52	2" Blow-Off Assembly	EA	15	\$ 750.00	\$ 11,250.00
53	Fire Hydrant Assembly	EA	32	\$ 3,800.00	\$ 121,600.00
54	Disconnect and Remove Existing Fire Hydrant	EA	25	\$ 275.00	\$ 6,875.00
55	Connection to Existing Water Line	EA	13	\$ 2,350.00	\$ 30,550.00
56	Concrete Thrust Block, 10" Pipe	EA	2	\$ 150.00	\$ 300.00
57	Concrete Thrust Block, 8" Pipe	EA	50	\$ 140.00	\$ 7,000.00
58	Concrete Thrust Block, 6" Pipe	EA	65	\$ 135.00	\$ 8,775.00
59	Concrete Thrust Block, 4" Pipe	EA	6	\$ 135.00	\$ 810.00
60	Concrete Thrust Block, 3" Pipe	EA	3	\$ 135.00	\$ 405.00
61	Concrete Thrust Block, 2" Pipe	EA	10	\$ 130.00	\$ 1,300.00
62	16" Steel Casing, Bore and Jack Roadway Crossing	LF	380	\$ 161.00	\$ 61,180.00
63	16" Steel Casing, Open Cut Roadway Crossing	LF	100	\$ 110.00	\$ 11,000.00
64	12" Steel Casing, Bore and Jack Roadway Crossing	LF	300	\$ 145.00	\$ 43,500.00
65	12" Steel Casing, Open Cut Roadway Crossing	LF	150	\$ 85.00	\$ 12,750.00
66	4" Steel Casing, Open Cut Roadway Crossing	LF	40	\$ 75.00	\$ 3,000.00
67	8" Water Line Casing, Open Cut Utility Crossing	EA	10	\$ 200.00	\$ 2,000.00
68	6" Water Line Casing, Open Cut Utility Crossing	EA	10	\$ 200.00	\$ 2,000.00
69	2" Water Line Casing, Open Cut Utility Crossing	EA	10	\$ 200.00	\$ 2,000.00
70	DOH Shoulder/Ditch line Restoration	LF	23,500	\$ 4.00	\$ 94,000.00
71	2" Asphalt Overlay	SY	400	\$ 30.00	\$ 12,000.00
72	2" Asphalt Milling	SY	400	\$ 15.00	\$ 6,000.00
73	Type A Trench Replacement	LF	550	\$ 70.00	\$ 38,500.00
74	Type B Trench Replacement	LF	700	\$ 40.00	\$ 28,000.00
75	Sidewalk Replacement, Concrete	SF	4,000	\$ 10.00	\$ 40,000.00
76	Driveway Replacement, Concrete	LF	480	\$ 100.00	\$ 48,000.00
77	Driveway Replacement, Asphalt	LF	2,350	\$ 35.00	\$ 82,250.00
78	Driveway Replacement, Stone	LF	4,300	\$ 4.00	\$ 17,200.00
79	Seeding and Mulching of Trench	LF	8,000	\$ 3.00	\$ 24,000.00
80	Abandon Existing Water Line, Cut and Plugs (Brick & Mortar)	EA	10	\$ 300.00	\$ 3,000.00
81	Abandon Existing MJ Cap & Brace	EA	10	\$ 500.00	\$ 5,000.00
82	Abandon Existing Valve and Fill w/ Concrete	EA	65	\$ 150.00	\$ 9,750.00
83	3/4" Radio Read Meter Setting w/PRV	EA	450	\$ 650.00	\$ 292,500.00
84	1" Radio Read Meter Setting w/PRV	EA	2	\$ 850.00	\$ 1,700.00
85	1-1/2" Radio Read Meter Setting w/PRV	EA	5	\$ 900.00	\$ 4,500.00
86	2" Radio Read Compound Meter Setting	EA	1	\$ 1,700.00	\$ 1,700.00
87	2" Radio Read Turbine Meter Setting	EA	1	\$ 1,100.00	\$ 1,100.00
88	3" Radio Read Compound Meter Setting w/ Vault	EA	1	\$ 7,000.00	\$ 7,000.00
89	4" Radio Read Turbine Meter Setting w/ Vault	EA	1	\$ 6,500.00	\$ 6,500.00
90	4" Radio Read Compound Meter Setting w/ Vault	EA	1	\$ 8,000.00	\$ 8,000.00
91	6" Radio Read Compound Meter Setting w/ Vault	EA	1	\$ 30,000.00	\$ 30,000.00
92	3/4" Copper Service Line	LF	4,400	\$ 18.00	\$ 79,200.00
93	3/4" Copper Service Line, Roadway Crossing	LF	4,600	\$ 26.00	\$ 119,600.00
94	1" Copper Service Line	LF	30	\$ 22.00	\$ 660.00
95	1" Copper Service Line, Roadway Crossing	LF	650	\$ 29.00	\$ 18,850.00
96	1-1/2" Copper Service Line	LF	120	\$ 34.00	\$ 4,080.00
97	1-1/2" Copper Service Line Roadway Crossing	LF	80	\$ 38.00	\$ 3,040.00
98	3/4" or 1" Temporary Plastic Service Line on	LF	500	\$ 7.00	\$ 3,500.00
99	6" through 10" Storm Sewer Replacement	EA	20	\$ 450.00	\$ 9,000.00
100	12" through 18" Storm Sewer Replacement	EA	10	\$ 600.00	\$ 6,000.00

Item	Description	Unit	Quantity	Unit Price	Estimated Cost
101	310,000 gallon Water Storage Tank & Fencing	LS	1	\$ 480,000.00	\$ 480,000.00
102	Cut & Fill Earthwork	LS	1	\$ 26,000.00	\$ 26,000.00
103	15' Wide Stone Access Road	LS	1	\$ 25,000.00	\$ 25,000.00
104	Rock Riprap	LS	1	\$ 3,500.00	\$ 3,500.00
105	Telemetry	LS	1	\$ 25,000.00	\$ 25,000.00
106	Water Treatment Plant Electrical Upgrade	LS	1	\$ 17,500.00	\$ 17,500.00
107	High Service Pump Upgrade	LS	1	\$ 15,000.00	\$ 15,000.00
108	Spare High Service Pump	LS	1	\$ 7,500.00	\$ 7,500.00
109	8" Wheel Gate Valve Replacement	LS	1	\$ 2,300.00	\$ 2,300.00
110	Pre-settling Tank Rehabilitation	LS	1	\$ 70,000.00	\$ 70,000.00
111	Existing 1967 Water Storage Tank Demolition	LS	1	\$ 20,000.00	\$ 20,000.00
112	Air Release Valve	EA	2	\$ 1,500.00	\$ 3,000.00
113	Radio Read Software and Reading Hardware	LS	1	\$ 15,000.00	\$ 15,000.00
	Subtotal:				\$ 3,674,345.00
	10% Contingency:				\$ 367,435.00
	TOTAL:				\$ 4,041,780.00

Prepared By: Mark Sankoff, PE
 Potesta & Associates, Inc.