

TOWN OF CABOT  
DANVILLE HILL ROAD WATERLINE REPLACEMENT  
PRELIMINARY PROJECT COST SUMMARY  
A+E PROJECT 17067  
As of 9/20/2017

Item Description	Total Estimated Cost
<b>Construction</b>	
Danville Hill Road Waterline Replacement	\$748,000
Construction Subtotal	\$748,000
<b>Construction Contingency</b>	
Construction Contingency (10%)	\$74,800
Construction Contingency	\$74,800
<b>Step Final Design and Permitting</b> <sup>(2)</sup>	
Final Design Agreement	\$53,500
Step II Subtotal	\$53,500
<b>Step Construction Phase Services</b> <sup>(3)</sup>	
Construction Services Allowance	\$98,200
Step III Subtotal	\$98,200
<b>Other Costs</b>	
Administration and Permit Fees	\$1,100
Bond Vote Assistance	\$1,800
Legal	\$5,000
Short Term Interest	\$10,000
Other Subtotal	\$17,900
Total Project Cost	\$992,400
<b>Use</b>	<b>\$1,000,000</b>
<b>DWSRF LOAN AMOUNT</b>	\$1,000,000
<b>ANNUAL DWSRF PAYMENT</b> <sup>(4)</sup>	\$20,084
<b>ESTIMATED USER COST SUMMARY</b>	
ANNUAL DWSRF PAYMENT	\$20,084
CURRENT ANNUAL OUTSTANDING PAYMENT	\$27,734
ANNUAL O&M COSTS	\$33,471
TOTAL BUDGET	\$81,289
NO. OF USERS	128
<b>ESTIMATED ANNUAL COST PER USER</b>	\$635
CURRENT RATE FOR TYP. RESIDENTIAL CONNECTION (\$/YR)	\$540
<b>ESTIMATED ANNUAL COST DIFFERENCE</b>	\$95

**Notes**

1. ENR 10850 = May 2018
2. Based on executed agreement.
3. Step III Construction Services based on the State curve allowances.
4. DWSRF loan terms are assumed to be -3% for 30 years based on preliminary determination.

Town of Cabot  
 Danville Hill Road Waterline Replacement  
 Preliminary Cost Estimate  
 As of September 20, 2017

Description of Item		Total Quantity	Unit	Unit Price	Cost ENR 10750	Cost ENR 10850
<b>A - Waterline</b>						
A- 1	8" DI CL52	3,500	L.F.	\$ 90	\$ 315,000	\$ 317,930
<b>B - Waterline Appurtenances</b>						
B- 1	Fire Hydrant Branch Connections	2	EA.	\$ 5,000	\$ 10,000	\$ 10,093
B- 2	8" Gate Valve	5	EA.	\$ 1,400	\$ 7,000	\$ 7,065
B- 3	3/4" CU Service	350	L.F.	\$ 90	\$ 31,500	\$ 31,793
B- 4	3/4" Curbstop & Box	1	EA.	\$ 400	\$ 400	\$ 404
B- 5	3/4" Corporation	13	EA.	\$ 400	\$ 5,200	\$ 5,248
B- 7	Connections to Existing Mains - 4" or Larger	1	EA.	\$ 5,000	\$ 5,000	\$ 5,047
<b>C - Earthwork</b>						
C- 1	Rock Excavation	500	C.Y.	\$ 300	\$ 150,000	\$ 151,395
C- 2	Boulder Excavation	50	C.Y.	\$ 50	\$ 2,500	\$ 2,523
C- 3	Misc. Extra. Below Grade Excavation	90	C.Y.	\$ 25	\$ 2,250	\$ 2,271
C- 4	Exc. & Replac. Unsuitable	50	C.Y.	\$ 40	\$ 2,000	\$ 2,019
<b>D - Roadwork and Appurtenances</b>						
D- 1	Permanent Bit. Pavement Repair - Roads	250	S.Y.	\$ 70	\$ 17,500	\$ 17,663
D- 2	Gravel Road and Drive Repair	3,240	L.F.	\$ 30	\$ 97,200	\$ 98,104
<b>E - Incidental Work</b>						
E- 1	Class B Concrete	25	C.Y.	\$ 200	\$ 5,000	\$ 5,047
E- 2	Calcium Chloride	10	TON	\$ 500	\$ 5,000	\$ 5,047
E- 3	Rigid Trench Insulation	500	L.F.	\$ 10	\$ 5,000	\$ 5,047
E- 4	Silt Fence	500	L.F.	\$ 5	\$ 2,500	\$ 2,523
<b>F - Lump Sum</b>						
F- 1	Prep of Site and Misc Work (10%)	1	L.S.	\$ 66,305.00	\$ 66,305	\$ 66,922
F- 2	Bonds (2%)	1	L.S.	\$ 10,940.33	\$ 10,940	\$ 11,042
					<b>TOTALS</b>	\$ 747,182
					<b>USE</b>	\$ 748,000

**Notes:**

1. ENR 10750 = November 2017
2. ENR 10850 = May 2018