

City of Canton Water Department
Ridgewood East - Phase 1 - Water Main Replacement and Roadway Reconstruction

Bid Opening: December 7, 2018

Engineer's Est: Part 1 = \$933,505.00

Part 2 = \$670,239.00

Parts 1 & 2 = \$1,603,744.00

(1) Bid Item	(2) ODOT Item	(2B) Description	(3) UNIT	(4) QUANTITY	Engineer's Estimate		WENGER EXCAVATING INC.				
					(5) UNIT PRICE	(6) = (4) x (5) TOTAL PRICE	(7) Labor	(8) Material	(9) = (7) + (8) Total Unit Price	(10) = (4) x (9) Total Amount	
PART 1 - WATER MAIN REPLACEMENT											
ROADWAY											
1-1	202	Pavement Removed	SY	27	\$ 20.00	\$ 540.00	\$ 12.50	\$ -	\$ 12.50	\$ 337.50	
1-2	202	Walk Removed	SF	125	\$ 5.00	\$ 625.00	\$ 1.75	\$ -	\$ 1.75	\$ 218.75	
1-3	202	Curb and Gutter Removed	FT	50	\$ 10.00	\$ 500.00	\$ 7.50	\$ -	\$ 7.50	\$ 375.00	
1-4	204	Subgrade Compaction	SY	27	\$ 5.00	\$ 135.00	\$ 3.00	\$ -	\$ 3.00	\$ 81.00	
1-5	204	Proof Rolling	HOUR	3	\$ 500.00	\$ 1,500.00	\$ 168.00	\$ -	\$ 168.00	\$ 504.00	
1-6	206	Cement	TON	118	\$ 100.00	\$ 11,790.00	\$ 24.00	\$ 88.00	\$ 112.00	\$ 13,216.00	
1-7	206	Cement Stabilized Subgrade, 12 Inches Deep	SY	3970	\$ 5.00	\$ 19,850.00	\$ 10.50	\$ 2.00	\$ 12.50	\$ 49,625.00	
1-8	206	Curing Coat	SY	3970	\$ 2.00	\$ 7,940.00	\$ 1.10	\$ 0.75	\$ 1.85	\$ 7,344.50	
1-9	206	Mixture Design for Chemically Stabilized Soils	LS	1	\$ 12,500.00	\$ 12,500.00	\$ 1,020.00	\$ 112.00	\$ 1,132.00	\$ 1,132.00	
1-10	608	4" Concrete Walk	SF	125	\$ 10.00	\$ 1,250.00	\$ 3.50	\$ 3.50	\$ 7.00	\$ 875.00	
1-11	690	Special - Brick Pavement Restoration	SY	3970	\$ 90.00	\$ 357,300.00	\$ 94.50	\$ 7.00	\$ 101.50	\$ 402,955.00	
DRAINAGE											
1-12	832	Erosion Control	EACH	5000	\$ 1.50	\$ 7,500.00	\$ 0.50	\$ 0.50	\$ 1.00	\$ 5,000.00	
PAVEMENT											
1-13	301	Asphalt Concrete Base, PG64-22	CY	80	\$ 125.00	\$ 10,000.00	\$ 165.00	\$ 95.00	\$ 260.00	\$ 20,800.00	
1-14	304	Aggregate Base	CY	711	\$ 50.00	\$ 35,550.00	\$ 10.20	\$ 38.60	\$ 48.80	\$ 34,696.80	
1-15	407	Tack Coat	GAL	37	\$ 25.00	\$ 925.00	\$ 3.00	\$ 2.00	\$ 5.00	\$ 185.00	
1-16	441	Asphalt Concrete Surface Course, Type 1, (448), PG 64-22	CY	21	\$ 250.00	\$ 5,250.00	\$ 370.00	\$ 120.00	\$ 490.00	\$ 10,290.00	
1-17	609	Combination Curb and Gutter, Type 2	FT	50	\$ 25.00	\$ 1,250.00	\$ 14.20	\$ 18.60	\$ 32.80	\$ 1,640.00	
WATERLINE											
1-18	638	6" Water Main Ductile Iron Pipe ANSI Class 52, Push-On Joints and Fittings	FT	2500	\$ 70.00	\$ 175,000.00	\$ 24.80	\$ 49.60	\$ 74.40	\$ 186,000.00	
1-19	638	8" Water Main Ductile Iron Pipe ANSI Class 52, Push-On Joints and Fittings	FT	320	\$ 90.00	\$ 28,800.00	\$ 26.30	\$ 54.40	\$ 80.70	\$ 25,824.00	
1-20	638	12" Water Main Ductile Iron Pipe ANSI Class 53, Push-On Joints and Fittings	FT	555	\$ 100.00	\$ 55,500.00	\$ 27.50	\$ 67.40	\$ 94.90	\$ 52,669.50	
1-21	638	6" Gate Valve	EACH	12	\$ 1,000.00	\$ 12,000.00	\$ 1,198.00	\$ 211.00	\$ 1,409.00	\$ 16,908.00	
1-22	638	8" Gate Valve	EACH	2	\$ 1,500.00	\$ 3,000.00	\$ 1,376.00	\$ 262.00	\$ 1,638.00	\$ 3,276.00	
1-23	638	12" Gate Valve	EACH	4	\$ 2,500.00	\$ 10,000.00	\$ 2,492.00	\$ 318.00	\$ 2,810.00	\$ 11,240.00	
1-24	638	1" Water Service Connection, Short Side (Complete)	EACH	21	\$ 1,500.00	\$ 31,500.00	\$ 427.00	\$ 558.00	\$ 985.00	\$ 20,685.00	
1-25	638	1" Water Service Connection, Long Side (Complete)	EACH	21	\$ 1,750.00	\$ 36,750.00	\$ 794.00	\$ 776.00	\$ 1,570.00	\$ 32,970.00	
1-26	638	1" Temporary Water Service Connection, Short Side (Complete)	EACH	1	\$ 1,500.00	\$ 1,500.00	\$ 410.00	\$ 519.00	\$ 929.00	\$ 929.00	
1-27	638	1" Temporary Water Service Connection, Long Side (Complete)	EACH	1	\$ 1,750.00	\$ 1,750.00	\$ 708.00	\$ 711.00	\$ 1,419.00	\$ 1,419.00	
1-28	638	6" - 11.25 Degree Bend	EACH	3	\$ 300.00	\$ 900.00	\$ 77.00	\$ 198.00	\$ 275.00	\$ 825.00	
1-29	638	6" - 22.5 Degree Bend	EACH	23	\$ 350.00	\$ 8,050.00	\$ 77.00	\$ 198.00	\$ 275.00	\$ 6,325.00	
1-30	638	8" - 11.25 Degree Bend	EACH	1	\$ 400.00	\$ 400.00	\$ 98.00	\$ 252.00	\$ 350.00	\$ 350.00	
1-31	638	12" - 22.5 Degree Bend	EACH	4	\$ 550.00	\$ 2,200.00	\$ 132.00	\$ 447.00	\$ 579.00	\$ 2,316.00	
1-32	638	12" - 45 Degree Bend	EACH	6	\$ 600.00	\$ 3,600.00	\$ 132.00	\$ 447.00	\$ 579.00	\$ 3,474.00	
1-33	638	6" Cut-in Sleeve	EACH	3	\$ 500.00	\$ 1,500.00	\$ 498.00	\$ 572.00	\$ 1,070.00	\$ 3,210.00	
1-34	638	12" Cut-in Sleeve	EACH	2	\$ 1,000.00	\$ 2,000.00	\$ 612.00	\$ 722.00	\$ 1,334.00	\$ 2,668.00	
1-35	638	6" Plug	EACH	8	\$ 200.00	\$ 1,600.00	\$ 72.00	\$ 198.00	\$ 270.00	\$ 2,160.00	
1-36	638	8" Plug	EACH	2	\$ 300.00	\$ 600.00	\$ 99.00	\$ 218.00	\$ 317.00	\$ 634.00	
1-37	638	12" Plug	EACH	2	\$ 400.00	\$ 800.00	\$ 159.00	\$ 333.00	\$ 492.00	\$ 984.00	
1-38	638	6" x 6" TEE	EACH	1	\$ 1,000.00	\$ 1,000.00	\$ 272.00	\$ 376.00	\$ 648.00	\$ 648.00	
1-39	638	8" x 6" TEE	EACH	1	\$ 1,250.00	\$ 1,250.00	\$ 276.00	\$ 382.00	\$ 658.00	\$ 658.00	
1-40	638	12" x 6" Cross	EACH	2	\$ 1,250.00	\$ 2,500.00	\$ 302.00	\$ 512.00	\$ 814.00	\$ 1,628.00	
1-41	638	8" x 8" Tapping Sleeve and Valve	EACH	1	\$ 2,500.00	\$ 2,500.00	\$ 897.00	\$ 3,343.00	\$ 4,240.00	\$ 4,240.00	
1-42	638	Fire Hydrant Assembly	EACH	6	\$ 5,500.00	\$ 33,000.00	\$ 884.00	\$ 3,997.00	\$ 4,881.00	\$ 29,286.00	
1-43	638	Fire Hydrant Removed	EACH	4	\$ 500.00	\$ 2,000.00	\$ 372.00	\$ 102.00	\$ 474.00	\$ 1,896.00	
1-44	638	Abandon Existing Valve	EACH	11	\$ 150.00	\$ 1,650.00	\$ 132.00	\$ 22.00	\$ 154.00	\$ 1,694.00	
1-45	638	Remove Existing Valve	EACH	1	\$ 250.00	\$ 250.00	\$ 132.00	\$ 22.00	\$ 154.00	\$ 154.00	
INCIDENTALS											
1-46	614	Maintaining Traffic, Complete	Lump	1	\$ 10,000.00	\$ 10,000.00	\$ 2,648.00	\$ 2,132.00	\$ 4,780.00	\$ 4,780.00	
1-47	623	Construction Layout Stakes	Lump	1	\$ 7,500.00	\$ 7,500.00	\$ 1,108.00	\$ 201.00	\$ 1,309.00	\$ 1,309.00	
1-48	624	Mobilization	Lump	1	\$ 20,000.00	\$ 20,000.00	\$ 7,982.00	\$ 5,652.00	\$ 13,634.00	\$ 13,634.00	
BASE BID TOTAL - Part 1 =					\$ 933,505.00		CALCULATED TOTAL -PART 1 =				\$ 984,069.05

City of Canton Water Department
Ridgewood East - Phase 1 - Water Main Replacement and Roadway Reconstruction
 Bid Opening: December 7, 2018
 Engineer's Estimate Part 1 = \$933,505.00
 Part 2 = \$670,239.00
 Parts 1 & 2 = \$1,603,744.00

(1) Bid Item	(2) ODOT Item	(2B) Description	(3) UNIT	(4) QUANTITY	Engineer's Estimate		WENGER EXCAVATING INC.				
					(5) UNIT PRICE	(6) = (4) x (5) TOTAL PRICE	(7) Labor	(8) Material	(9) = (7) + (8) Total Unit Price	(10) = (4) x (9) Total Amount	
PART 2 - ROADWAY RECONSTRUCTION											
ROADWAY											
2-1	202	Pavement Removed	SY	88	\$ 20.00	\$ 1,760.00	\$ 12.50	\$ -	\$ 12.50	\$ 1,100.00	
2-2	202	Walk Removed	SF	250	\$ 5.00	\$ 1,250.00	\$ 1.75	\$ -	\$ 1.75	\$ 437.50	
2-3	202	Curb Removed	FT	80	\$ 10.00	\$ 800.00	\$ 6.00	\$ -	\$ 6.00	\$ 480.00	
2-4	202	Curb and Gutter Removed	FT	100	\$ 10.00	\$ 1,000.00	\$ 7.50	\$ -	\$ 7.50	\$ 750.00	
2-5	202	Pipe Removed, 24" and Under	FT	256	\$ 20.00	\$ 5,120.00	\$ 4.50	\$ 3.00	\$ 7.50	\$ 1,920.00	
2-6	202	Catch Basin or Inlet Removed	EACH	15	\$ 500.00	\$ 7,500.00	\$ 157.00	\$ 102.00	\$ 259.00	\$ 3,885.00	
2-7	204	Subgrade Compaction	SY	200	\$ 5.00	\$ 1,000.00	\$ 3.00	\$ -	\$ 3.00	\$ 600.00	
2-8	204	Proof Rolling	HOUR	3	\$ 500.00	\$ 1,500.00	\$ 168.00	\$ -	\$ 168.00	\$ 504.00	
2-9	206	Cement	TON	130	\$ 100.00	\$ 12,960.00	\$ 24.00	\$ 88.00	\$ 112.00	\$ 14,560.00	
2-10	206	Cement Stabilized Subgrade, 12 Inches Deep	SY	4362	\$ 5.00	\$ 21,810.00	\$ 10.50	\$ 2.00	\$ 12.50	\$ 54,525.00	
2-11	206	Curing Coat	SY	4362	\$ 2.00	\$ 8,724.00	\$ 1.10	\$ 0.75	\$ 1.85	\$ 8,069.70	
2-12	206	Mixture Design for Chemically Stabilized Soils	LS	1	\$ 12,500.00	\$ 12,500.00	\$ 1,020.00	\$ 112.00	\$ 1,132.00	\$ 1,132.00	
2-13	608	4" Concrete Walk	SF	250	\$ 10.00	\$ 1,250.00	\$ 3.50	\$ 3.50	\$ 7.00	\$ 1,750.00	
2-14	608	Curb Ramp	SF	595	\$ 25.00	\$ 14,875.00	\$ 6.80	\$ 7.20	\$ 14.00	\$ 8,330.00	
2-15	608	Detectable Warning	SF	10	\$ 40.00	\$ 400.00	\$ 16.20	\$ 18.80	\$ 35.00	\$ 350.00	
2-16	690	Special - Brick Pavement Restoration	SY	4362	\$ 90.00	\$ 392,580.00	\$ 94.50	\$ 7.00	\$ 101.50	\$ 442,743.00	
DRAINAGE											
2-17	605	4" Shallow Pipe Underdrains with Fabric Wrap	FT	4525	\$ 10.00	\$ 45,250.00	\$ 3.65	\$ 3.75	\$ 7.40	\$ 33,485.00	
2-18	611	12" Conduit, Type B	FT	71	\$ 50.00	\$ 3,550.00	\$ 24.60	\$ 32.80	\$ 57.40	\$ 4,075.40	
2-19	611	15" Conduit, Type B	FT	185	\$ 60.00	\$ 11,100.00	\$ 28.80	\$ 37.60	\$ 66.40	\$ 12,284.00	
2-20	611	Catch Basin, Misc.: City of Canton CB#1	EACH	13	\$ 2,500.00	\$ 32,500.00	\$ 872.00	\$ 2,279.00	\$ 3,151.00	\$ 40,963.00	
2-21	611	Catch Basin, Misc.: Hillside Curb Inlet Catch Basin SCD#3	EACH	2	\$ 2,500.00	\$ 5,000.00	\$ 929.00	\$ 2,422.00	\$ 3,351.00	\$ 6,702.00	
2-22	832	Erosion Control	EACH	5000	\$ 1.00	\$ 5,000.00	\$ 0.50	\$ 0.50	\$ 1.00	\$ 5,000.00	
PAVEMENT											
2-23	301	Asphalt Concrete Base, PG64-22	CY	15	\$ 125.00	\$ 1,875.00	\$ 165.00	\$ 95.00	\$ 260.00	\$ 3,900.00	
2-24	304	Aggregate Base	CY	216	\$ 50.00	\$ 10,800.00	\$ 10.20	\$ 38.60	\$ 48.80	\$ 10,540.80	
2-25	407	Tack Coat	GAL	7	\$ 25.00	\$ 175.00	\$ 3.00	\$ 2.00	\$ 5.00	\$ 35.00	
2-26	441	Asphalt Concrete Surface Course, Type 1, (448), PG 64-22	CY	4	\$ 250.00	\$ 1,000.00	\$ 370.00	\$ 120.00	\$ 490.00	\$ 1,960.00	
2-27	452	10" Non-Reinforced Concrete Pavement, Class QC1	SY	112	\$ 80.00	\$ 8,960.00	\$ 33.80	\$ 36.70	\$ 70.50	\$ 7,896.00	
2-28	609	Combination Curb and Gutter, Type 2	FT	180	\$ 25.00	\$ 4,500.00	\$ 14.20	\$ 18.60	\$ 32.80	\$ 5,904.00	
SANITARY SEWER											
2-29	611	Manhole, Misc.: Manhole Sealing with Protective Polymer Lining	EACH	9	\$ 2,000.00	\$ 18,000.00	\$ 2,127.00	\$ 2,636.00	\$ 4,763.00	\$ 42,867.00	
INCIDENTALS											
2-30	614	Maintaining Traffic	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 2,131.00	\$ 2,640.00	\$ 4,771.00	\$ 4,771.00	
2-30	623	Construction Layout Stakes and Surveying	LS	1	\$ 7,500.00	\$ 7,500.00	\$ 1,212.00	\$ 222.00	\$ 1,434.00	\$ 1,434.00	
2-31	624	Mobilization	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 8,972.00	\$ 8,030.00	\$ 17,002.00	\$ 17,002.00	
BASE BID TOTAL - PART 2 =						\$ 670,239.00	CALCULATED TOTAL - PART 2 =				\$ 739,955.40

BASE BID TOTAL - PARTS 1 & 2 =	\$ 1,603,744.00	CALCULATED TOTAL - PARTS 1 & 2 =	\$ 1,724,024.45
		WRITTEN TOTAL - PARTS 1 & 2 =	\$ 1,724,024.45