

ROSS VALLEY SANITARY DISTRICT
FY16/17 Gravity Sewer Improvements Project Butterfield Meadowcroft-Arroyo
Bid Tabulation
Bid Opening: May 2, 2019 2 p.m.

Item No.	Item Description	Unit	Estimated Quantity	Lowest Bid										AVG UNIT COST
				Engineers Estimate		K.J. Woods Construction Inc.		Ranger Pipelines Inc.		Cratus Inc.		Mitchell Enigneering		
				Unit Cost	Item Cost	Unit Cost	Item Cost	Unit Cost	Item Cost	Unit Cost	Item Cost	Unit Cost	Item Cost	
General Items (BASE BID)														
1	Mobilization and Demobilization	LS	1	\$150,000	\$150,000	\$190,000	\$190,000	\$215,000	\$215,000	\$200,000	\$200,000	\$190,000	\$190,000	\$198,750
2	Traffic Control	LS	1	\$240,000	\$240,000	\$364,325	\$364,325	\$104,500	\$104,500	\$250,000	\$250,000	\$375,000	\$375,000	\$273,456
3	Overexcavation and Special Pipe Foundation (Revocable if not used)	CY	10	\$400	\$4,000	\$150	\$1,500	\$135	\$1,350	\$100	\$1,000	\$1,195	\$11,950	\$395
4	Rock Excavation <20' Deep (Revocable if not used)	CY	30	\$800	\$24,000	\$250	\$7,500	\$235	\$7,050	\$500	\$15,000	\$718	\$21,540	\$426
5	Rock Excavation >20' Deep (Revocable if not used)	CY	10	\$1,200	\$12,000	\$350	\$3,500	\$275	\$2,750	\$1,000	\$10,000	\$1,616	\$16,160	\$810
6	Trench Sheetting, Shoring and Bracing	LS	1	\$200,000	\$200,000	\$575,000	\$575,000	\$625,000	\$625,000	\$600,000	\$600,000	\$350,000	\$350,000	\$537,500
7	HMA Surface Restoration Including 2" Mill per Detail 1 on Sheet D-02	TON	130	\$400	\$52,000	\$335	\$43,550	\$400	\$52,000	\$350	\$45,500	\$819	\$106,470	\$476
8	6" Digout repair (Revocable if not used)	SF	1,000	\$10	\$10,000	\$12	\$12,000	\$30	\$30,000	\$20	\$20,000	\$122	\$122,000	\$46
9	8" Digout repair (Revocable if not used)	SF	1,000	\$10	\$10,000	\$16	\$16,000	\$32	\$32,000	\$20	\$20,000	\$126	\$126,000	\$49
10	Bid Allowance for Districts Use	LS	1	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Subtotal: Misc					\$902,000		\$1,413,375		\$1,269,650		\$1,361,500		\$1,519,120	
PP-01 to PP-04, PP-07 and PP-08. Butterfield, Meadowcroft, Willow Way (BASE BID)														
11	Construct new 18" SS by Open Trench (12' to 20' depth)	LF	120	\$1,400	\$168,000	\$1,800	\$216,000	\$1,400	\$168,000	\$1,800	\$216,000	\$1,386	\$166,320	\$1,597
12	Construct new 18" SS by Open Trench (>20' depth)	LF	213	\$1,700	\$362,100	\$1,850	\$394,050	\$2,225	\$473,925	\$1,900	\$404,700	\$1,944	\$414,072	\$1,980
13	Construct new 16" SS by Open Trench (12'-20' depth)	LF	230	\$1,200	\$276,000	\$1,750	\$402,500	\$1,800	\$414,000	\$1,800	\$414,000	\$1,210	\$278,300	\$1,640
14	Construct new 16" SS by Open Trench (>20' depth)	LF	79	\$1,500	\$118,500	\$1,800	\$142,200	\$2,210	\$174,590	\$1,900	\$150,100	\$1,796	\$141,884	\$1,927
15	Construct new 8" SS by Open Trench (up to 12' depth)	LF	123	\$600	\$73,800	\$424	\$52,152	\$610	\$75,030	\$1,000	\$123,000	\$1,041	\$128,043	\$769
16	Construct new 8" SS by Open Trench (>12' depth)	LF	110	\$1,000	\$110,000	\$1,000	\$110,000	\$1,850	\$203,500	\$1,100	\$121,000	\$1,285	\$141,350	\$1,309

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17	Install new 18" SS by Pilot Tube Guided Boring (Including all pits)	LF	488	\$3,000	\$1,464,000	\$1,700	\$829,600	\$3,500	\$1,708,000	\$2,800	\$1,366,400	\$1,574	\$768,112	\$2,394
18	Slipline New 4" Lateral into Existing 8" SS	LF	34	\$200	\$6,800	\$162	\$5,508	\$600	\$20,400	\$150	\$5,100	\$494	\$16,796	\$352
19	Construct new SSMH (Depths <12')	EA	1	\$15,000	\$15,000	\$20,000	\$20,000	\$8,900	\$8,900	\$15,000	\$15,000	\$37,209	\$37,209	\$20,277
20	Construct new SSMH (12' <= Depths < 20')	EA	1	\$20,000	\$20,000	\$30,000	\$30,000	\$13,500	\$13,500	\$20,000	\$20,000	\$37,209	\$37,209	\$25,177
21	Construct new SSMH (Depths >= 20')	EA	4	\$24,000	\$96,000	\$50,000	\$200,000	\$25,000	\$100,000	\$25,000	\$100,000	\$29,419	\$117,676	\$32,355
22	Ground Stabilization for Existing Manhole	EA	1	\$5,000	\$5,000	\$5,000	\$5,000	\$8,500	\$8,500	\$5,000	\$5,000	\$10,760	\$10,760	\$7,315
23	Remove and Replace Existing SSMH	EA	1	\$15,000	\$15,000	\$19,900	\$19,900	\$16,500	\$16,500	\$20,000	\$20,000	\$37,209	\$37,209	\$23,402
24	Remove and Replace Existing SSMH Frame and Cover	EA	4	\$1,200	\$4,800	\$1,500	\$6,000	\$1,200	\$4,800	\$1,500	\$6,000	\$4,841	\$19,364	\$2,260
25	Remove and Replace Monument	EA	1	\$3,100	\$3,100	\$800	\$800	\$1,500	\$1,500	\$500	\$500	\$4,804	\$4,804	\$1,901
26	Remove and Replace 14 Willow Way Decorative Driveway	SF	1,340	\$60	\$80,400	\$20	\$26,800	\$30	\$40,200	\$20	\$26,800	\$21	\$28,140	\$23
27	Abandon Existing 6" SS by Filling Pipe	LF	265	\$15	\$3,975	\$75	\$19,875	\$25	\$6,625	\$10	\$2,650	\$17	\$4,505	\$32
28	Abandon Existing 8" SS by Filling Pipe	LF	190	\$15	\$2,850	\$90	\$17,100	\$25	\$4,750	\$10	\$1,900	\$23	\$4,370	\$37
29	Abandon Existing SSMH	EA	2	\$1,600	\$3,200	\$5,000	\$10,000	\$2,500	\$5,000	\$1,250	\$2,500	\$4,441	\$8,882	\$3,298
30	Remove Existing SSCO	EA	1	\$550	\$550	\$900	\$900	\$250	\$250	\$250	\$250	\$4,441	\$4,441	\$1,460
31	Remove and Replace/Construct New Sewer Lateral by Open Trench with New 4"SS	LF	80	\$500	\$40,000	\$178	\$14,240	\$300	\$24,000	\$220	\$17,600	\$500	\$40,000	\$300
32	Remove and Replace or Construct New SSCO	EA	8	\$900	\$7,200	\$1,500	\$12,000	\$1,000	\$8,000	\$1,000	\$8,000	\$2,369	\$18,952	\$1,467
Subtotal: BASE BID					\$2,876,275		\$2,534,625		\$3,479,970		\$3,026,500		\$2,428,398	
Base Bid Total:					\$3,778,275		\$3,948,000		\$4,749,620		\$4,388,000		\$3,947,518	
PP-04 to PP-06. Butterfield (ALTERNATE BID)														
1A	Mobilization and Demobilization	LS	1	\$60,000	\$60,000	\$67,000	\$67,000	\$25,000	\$25,000	\$25,000	\$25,000	\$112,500	\$112,500	\$57,375
2A	Traffic Control	LS	1	\$90,000	\$90,000	\$126,729	\$126,729	\$25,000	\$25,000	\$100,000	\$100,000	\$110,000	\$110,000	\$90,432
3A	Trench Sheetting, Shoring and Bracing	LS	1	\$80,000	\$80,000	\$250,000	\$250,000	\$75,000	\$75,000	\$100,000	\$100,000	\$125,000	\$125,000	\$137,500

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4A	HMA Surface Restoration Including 2" Mill per Detail 1 on Sheet D-02	TON	120	\$400	\$48,000	\$285	\$34,200	\$400	\$48,000	\$350	\$42,000	\$968	\$116,160	\$501
5A	Construct new 16" SS by Open Trench (up to 12' depth)	LF	716	\$800	\$572,800	\$780	\$558,480	\$605	\$433,180	\$1,200	\$859,200	\$1,497	\$1,071,852	\$1,021
6A	Construct new 16" SS by Open Trench (12'-20' depth)	LF	50	\$1,200	\$60,000	\$1,400	\$70,000	\$835	\$41,750	\$1,800	\$90,000	\$1,519	\$75,950	\$1,389
7A	Construct new 12" SS by Open Trench (up to 12' depth)	LF	5	\$1,400	\$7,000	\$680	\$3,400	\$600	\$3,000	\$1,100	\$5,500	\$1,798	\$8,990	\$1,045
8A	Construct new 8" SS by Open Trench (up to 12' depth)	LF	92	\$600	\$55,200	\$275	\$25,300	\$590	\$54,280	\$1,100	\$101,200	\$1,581	\$145,452	\$887
9A	Remove and Replace Existing 6" SS with 8" SS by Open Trench	LF	25	\$600	\$15,000	\$275	\$6,875	\$510	\$12,750	\$1,000	\$25,000	\$1,588	\$39,700	\$843
10A	Construct new SSMH (Depths <12')	EA	4	\$15,000	\$60,000	\$19,300	\$77,200	\$8,900	\$35,600	\$15,000	\$60,000	\$37,403	\$149,612	\$20,151
11A	Remove and Replace Existing SSMH	EA	2	\$15,000	\$30,000	\$19,900	\$39,800	\$11,900	\$23,800	\$15,000	\$30,000	\$37,403	\$74,806	\$21,051
12A	Remove and Replace Existing SSMH Frame and Cover	EA	1	\$1,200	\$1,200	\$800	\$800	\$1,200	\$1,200	\$1,500	\$1,500	\$4,859	\$4,859	\$2,090
13A	Remove and Replace Monument	EA	1	\$3,100	\$3,100	\$650	\$650	\$1,500	\$1,500	\$500	\$500	\$2,354	\$2,354	\$1,251
14A	Abandon Existing 6" SS by Filling Pipe	LF	1,107	\$15	\$16,605	\$28	\$30,996	\$25	\$27,675	\$10	\$11,070	\$183	\$202,581	\$62
15A	Abandon Existing SSMH	EA	3	\$1,600	\$4,800	\$5,000	\$15,000	\$2,500	\$7,500	\$1,250	\$3,750	\$7,176	\$21,528	\$3,982
16A	Abandon Existing SSLH	EA	1	\$800	\$800	\$500	\$500	\$2,000	\$2,000	\$500	\$500	\$7,176	\$7,176	\$2,544
17A	Remove and Replace/Construct New Sewer Lateral by Open Trench with New 4"SS	LF	330	\$500	\$165,000	\$179	\$59,070	\$300	\$99,000	\$220	\$72,600	\$500	\$165,000	\$300
18A	Remove and Replace or Construct New SSCO	EA	16	\$900	\$14,400	\$1,500	\$24,000	\$1,000	\$16,000	\$1,000	\$16,000	\$1,000	\$16,000	\$1,125
Subtotal: ALTERNATE BID					\$1,283,905		\$1,390,000		\$932,235		\$1,543,820		\$2,449,520	
Total Base Bid + Alternate Bid					\$5,062,180		\$5,338,000		\$5,681,855		\$5,931,820		\$6,397,038	

Notes: Engineers Estimate was \$5,568,399 for "Total Base Bid + Alternate Bid" with 10% Contingency