

RFP E-15-22				
Trenchless Technology Rehabilitation and Pipe-Bursting Technology				
Vendor:				
		QTY	Unit	Unit Price
The following items apply as applicable to sections B thru O and as needed in section A items 1-7:				
1	Mobilization	1	Day	\$216.20
	Pre-Construction Video	1	LF	\$4.32
	a) Survey/As-builts	1	LF	\$1.78
2	Erosion Control	1	LF	\$5.41
3	MOT			
	a) Signage	1	Day	\$270.25
	b) Flagmen	1	HR	\$48.65
4	Excavation/Backfill			
	a) 0-4 feet deep	1	Cuft	\$2.16
	b) 4-6 feet deep	1	Cuft	\$3.24
	c) 6-10 feet deep	1	Cuft	\$4.32
	d) Dewatering to include wellpoint system or drawdown pump per pit	1	Day	\$167.56
5	Trench Shoring			
	a) 4-6 feet deep	1	F Trench	\$27.03
	b) 6-10 feet deep	1	LF Trench	\$37.84
6	Surface Restoration			
	a) Sod	1	SF	\$2.16
	b) 4-inch concrete	1	SF	\$9.19
	c) 6-inch concrete	1	SF	\$11.35
	d) 2-inch asphalt	1	SF	\$5.41
	e) 3-inch asphalt	1	SF	\$7.57
	f) Curb	1	LF	\$37.84
7	Material extras			
	a) Lime Rock	1	SY	\$54.05
	b) 57/Washed Stone	1	SY	\$54.05
	c) Imported Sand	1	SY	\$43.24
	d) Gravel	1	SY	\$48.65
	e) Geo Grid	1	SY	\$8.38
B) Pipe Bursting with HDPE for Gravity Sewer Lines				
	HDPE DR 17			
8	6-inch diameter	1	LF	\$37.84
9	8-inch diameter	1	LF	\$43.24
10	10-inch diameter	1	LF	\$48.65
11	12-inch diameter	1	LF	\$54.05
12	14-inch diameter	1	LF	\$77.83
13	16-inch diameter	1	LF	\$99.45
14	18-inch diameter	1	LF	\$123.23
15	20-inch diameter	1	LF	\$148.10
	Manhole Connections			
16	6-inch	1	EA	\$162.15
		QTY	Unit	Unit Price
17	8-inch	1	EA	\$216.20
18	10-inch	1	EA	\$270.25
19	12-inch	1	EA	\$324.30
20	14-inch	1	EA	\$378.35
21	16-inch	1	EA	\$432.40
22	18-inch	1	EA	\$486.45
23	20-inch	1	EA	\$540.50
	Sewer Later Connections			
24	4-inch connection			
	a) 0-4 feet deep	1	EA	\$1026.95
	b) 4-6 feet deep	1	EA	\$1,621.50
	c) 6-10 feet deep	1	EA	\$2,702.50
25	6-inch connection			
	a) 0-4 feet deep	1	EA	\$1,297.20
	b) 4-6 feet deep	1	EA	\$2,053.90
	c) 6-10 feet deep	1	EA	\$3,134.90
	Clean-out Installation			
26	4-inch	1	EA	\$405.38
27	6-inch	1	EA	\$513.48
	Sewer Lateral Pipe Bursting			
28	4-inch	1	LF	\$33.51
29	6-inch	1	LF	\$37.84
C) Pipe Bursting with Pre-Chlorination for Water Main Replacement Procedure				

	HDPE DR 11			
30	3-inch diameter	1	LF	\$29.19
31	4-inch diameter	1	LF	\$33.51
32	6-inch diameter	1	LF	\$43.24
33	8-inch diameter	1	LF	\$48.65
34	10-inch diameter	1	LF	\$54.05
35	12-inch diameter	1	LF	\$59.46
36	14-inch diameter	1	LF	\$101.61
37	16-inch diameter	1	LF	\$129.72
38	18-inch diameter	1	LF	\$145.94
39	20-inch diameter	1	LF	\$183.77
40	24-inch diameter	1	LF	\$237.82
	Note: Installation with HDPE, Fusible PVC/Ductile Iron available at market price			
	Fittings			
	a) Bends and sleeves, DI			
41	6-inch	1	EA	\$405.38
42	8-inch	1	EA	\$459.43
43	10-inch	1	EA	\$540.50
44	12-inch	1	EA	\$864.80
45	14-inch	1	EA	\$1,297.20
46	16-inch	1	EA	\$1,594.48
47	18-inch	1	EA	\$1,891.75
48	20-inch	1	EA	\$247.25
49	24-inch	1	EA	\$3,243.00
	b) Tees, DI			
50	6x6x4	1	EA	\$459.43
51	6x6x6	1	EA	\$513.48
52	8x8x4	1	EA	\$621.58
53	8x8x6	1	EA	\$648.60
54	8x8x8	1	EA	\$756.70
55	10x10x4	1	EA	\$675.63
56	10x10x6	1	EA	\$810.75
57	10x10x8	1	EA	\$891.83
58	10x10x10	1	EA	\$972.90
59	12x12x6	1	EA	\$1,189.10
60	12x12x8	1	EA	\$1,243.15
61	12x12x10	1	EA	\$1,297.20
66	12x12x12	1	EA	\$1,378.28
67	14x14x14	1	EA	\$1,729.60
68	16x4 tee	1	EA	\$2,972.75
69	16x6x6cross	1	EA	\$4,053.75
70	16x6 tee	1	EA	\$3,188.95
71	16x6 tee blowoff	1	EA	\$3,783.50
72	16x8x8 cross	1	EA	\$4,269.95
73	16x20 reducer	1	EA	\$1,351.25
74	18x18x18	1	EA	\$2,378.20
75	20 tee	1	EA	\$4,594.25
76	20 cross	1	EA	\$5,405.00
77	24 tee	1	EA	\$5,675.25
78	24 cross	1	EA	\$6,486.00
	a) Fittings available per Pound	1	LB	\$5.03
	Gate Valves			
79	4-inch	1	EA	\$748.00
80	6-inch	1	EA	\$1490.00
81	8-inch	1	EA	\$2,100.00
		QTY	Unit	Unit Price
82	10-inch	1	EA	\$2,450.00
83	12-inch	1	EA	\$3,175.00
84	14-inch	1	EA	\$5,945.50
85	16-inch	1	EA	\$7,250.00
86	18-inch	1	EA	\$11,000.00
87	20-inch	1	EA	\$15,750.00
88	24-inch	1	EA	\$22,750.00
89	Remove valve only	1	EA	\$270.25
90	Install new valve vault	1	EA	\$6,486.00
91	Fire Hydrants	1	EA	\$4,750.00
	Connection at Services			
	a) Up to 1" service, short side up to 5-feet			
92	4-inch main	1	EA	\$432.40
93	6-inch main	1	EA	\$486.45
94	8-inch main	1	EA	\$513.48
95	10-inch main	1	EA	\$540.50
96	12-inch main	1	EA	\$594.55
97	16-inch main	1	EA	\$756.70

98	18-inch main	1	EA	\$918.85
99	20-inch main	1	EA	\$1,189.10
100	24-inch main	1	EA	\$1,513.40
	b) Up to 2" service, short side up to 5-feet			
101	4-inch main	1	EA	\$648.60
102	6-inch main	1	EA	\$702.65
103	8-inch main	1	EA	\$729.68
104	10-inch main	1	EA	\$756.70
105	12-inch main	1	EA	\$810.75
106	16-inch main	1	EA	\$972.90
107	18-inch main	1	EA	\$1,189.10
108	20-inch main	1	EA	\$1,459.35
109	24-inch main	1	EA	\$1,675.55
	c) Up to 1" service, long side up to 25-feet			
110	4-inch main	1	EA	\$837.78
111	6-inch main	1	EA	\$918.85
112	8-inch main	1	EA	\$945.88
113	10-inch main	1	EA	\$972.90
114	12-inch main	1	EA	\$1026.95
115	16-inch main	1	EA	\$1,189.10
116	18-inch main	1	EA	\$1,351.25
117	20-inch main	1	EA	\$1,783.65
118	24-inch main	1	EA	\$1,945.80
	d) Up to 2" service, long side up to 25-feet			
119	4-inch main	1	EA	\$1,081.00
112	6-inch main	1	EA	\$1,135.05
113	8-inch main	1	EA	\$1,162.08
114	10-inch main	1	EA	\$1,189.10
115	12-inch main	1	EA	\$1,243.15
116	16-inch main	1	EA	\$1,567.45
117	18-inch main	1	EA	\$1,783.65
118	20-inch main	1	EA	\$2,107.95
119	24-inch main	1	EA	\$2,378.20
	e) Additional service length			
120	Over 30-feet x 1"	1	LF	\$12.97
121	Over 30-feet x 2"	1	LF	\$16.22
	Note: Service pipe HDPE, Copper available at market price			
	Line Stops			
122	4-inch	1	EA	\$3,783.50
123	6-inch	1	EA	\$4,864.50
124	8-inch	1	EA	\$5,405.00
125	10-inch	1	EA	\$5,405.00
126	12-inch	1	EA	\$7,567.00
127	16-inch	1	EA	\$16,215.00
128	18-inch	1	EA	\$19,458.00
129	20-inch	1	EA	\$20,539.00
120	24-inch	1	EA	\$22,701.00
	Bypass for water main pipe bursting or CIPP lining			
121	2-inch temporary	1	LF	\$24.86
122	4-inch temporary	1	LF	\$28.11
123	6-inch temporary	1	LF	\$33.51
	Temporary service connections for water main bypass			
124	2-inch short side	1	EA	\$297.28
125	2-inch long side	1	EA	\$405.38
126	4-inch short side	1	EA	\$324.30
127	4-inch long side	1	EA	\$432.40
128	6-inch short side	1	EA	\$351.33
129	6-inch long side	1	EA	\$459.43
	D) Polyethylene (PE) Sewer Pipe Sliplining			
	PE Pipe DR 22.5			
130	4-inch	1	LF	\$27.03
131	6-inch	1	LF	\$32.43
132	8-inch	1	LF	\$37.84
133	10-inch	1	LF	\$43.24
134	12-inch	1	LF	\$48.65
135	Annular Space - Grouting	1	CY	\$324.30
		QTY	Unit	Unit Price
	E) Procedures for Rehabilitation of Existing Pipelines			
	Pipe String Fusion			
136	4-inch	1	LF	\$32.43
137	6-inch	1	LF	\$37.84
138	8-inch	1	LF	\$43.24
139	10-inch	1	LF	\$48.65
140	12-inch	1	LF	\$54.05

	Pressure Testing			
141	4-12 inch	1	LF	\$2.16
142	Charge Water	1	K-Gals	\$1.08
	Chlorination			
143	4-inch	1	LF	\$1.08
144	6-inch	1	LF	\$1.62
145	8-inch	1	LF	\$2.16
146	10-inch	1	LF	\$2.70
147	12-inch	1	LF	\$3.24
148	BT Test	1	EA	\$270.25
	Flushing			
149	4-12 inch	1	LF	\$0.54
150	Charge Water	1	K-Gals	\$0.54
	Dechlorination			
151	4-12 inch	1	K-Gals	\$1.08
		QTY	Unit	Unit Price
F) Trenchless Rehabilitation/Reconstruction of Pipelines and Conduits				
	Compression Fit HDPE Pipe Lining			
	a) Camera			
152	0-10 inch	1	LF	\$1.08
153	10-24 inch	1	LF	\$1.62
154	25-36 inch	1	LF	\$2.16
155	37-48 inch	1	LF	\$2.70
156	Over 48 inch	1	LF	\$3.24
	b) Clean			
157	0-10 inch	1	LF	\$2.70
158	10-24 inch	1	LF	\$3.24
159	25-36 inch	1	LF	\$3.78
160	37-48 inch	1	LF	\$4.32
161	Over 48 inch	1	LF	\$4.86
	c) Pigging		See item G) Pig Cleaning	
	d) Gauging			
162	0-10 inch	1	LF	\$5.41
163	10-24 inch	1	LF	\$8.65
164	25-36 inch	1	LF	\$11.89
165	37-48 inch	1	LF	\$15.13
166	Over 48 inch	1	Per-inch	\$1.08
167	e) Obstruction Removal	1	EA	\$648.60
	f) Pipe Liner Insertion			
	1) PE 4710 DR 41			
168	4-inch	1	LF	\$10.81
169	6-inch	1	LF	\$21.62
170	8-inch	1	LF	\$27.03
171	10-inch	1	LF	\$37.84
172	12-inch	1	LF	\$54.05
173	16-inch	1	LF	\$81.08
174	18-inch	1	LF	\$102.70
175	20-inch	1	LF	\$140.53
176	24-inch	1	LF	\$194.58
177	30-inch	1	LF	\$259.44
178	36-inch	1	LF	\$302.68
179	42-inch	1	LF	\$367.54
180	48-inch	1	LF	\$432.40
181	54-inch	1	LF	\$513.48
	2) PE 4710 DR 32.5			
182	4-inch	1	LF	\$21.62
183	6-inch	1	LF	\$27.03
184	8-inch	1	LF	\$32.43
185	10-inch	1	LF	\$43.24
186	12-inch	1	LF	\$59.46
187	16-inch	1	LF	\$86.48
188	18-inch	1	LF	\$113.51
189	20-inch	1	LF	\$162.15
190	24-inch	1	LF	\$216.20
191	30-inch	1	LF	\$281.06
192	36-inch	1	LF	\$324.30
193	42-inch	1	LF	\$389.16

194	48-inch	1	LF	\$454.02
195	54-inch	1	LF	\$513.48
	3) PE 4710 DR 26			
		QTY	Unit	Unit Price
196	4-inch	1	LF	\$27.03
197	6-inch	1	LF	\$32.43
198	8-inch	1	LF	\$37.84
199	10-inch	1	LF	\$48.65
200	12-inch	1	LF	\$64.86
201	16-inch	1	LF	\$97.29
202	18-inch	1	LF	\$129.72
203	20-inch	1	LF	\$189.18
204	24-inch	1	LF	\$237.82
205	30-inch	1	LF	\$302.68
206	36-inch	1	LF	\$324.30
207	42-inch	1	LF	\$410.78
208	48-inch	1	LF	\$475.64
209	54-inch	1	LF	\$545.91
	4) PE 4710 DR 21			
210	4-inch	1	LF	\$32.43
211	6-inch	1	LF	\$37.84
212	8-inch	1	LF	\$43.24
213	10-inch	1	LF	\$54.05
214	12-inch	1	LF	\$70.27
215	16-inch	1	LF	\$108.10
216	18-inch	1	LF	\$140.53
217	20-inch	1	LF	\$205.39
218	24-inch	1	LF	\$259.44
219	30-inch	1	LF	\$335.11
220	36-inch	1	LF	\$356.73
221	42-inch	1	LF	\$432.40
222	48-inch	1	LF	\$497.26
223	54-inch	1	LF	\$578.34
	5) PE 4710 DR 17			
224	4-inch	1	LF	\$37.84
225	6-inch	1	LF	\$43.24
226	8-inch	1	LF	\$48.65
227	10-inch	1	LF	\$59.46
228	12-inch	1	LF	\$75.67
229	16-inch	1	LF	\$118.91
230	18-inch	1	LF	\$151.34
231	20-inch	1	LF	\$221.61
232	24-inch	1	LF	\$281.06
233	30-inch	1	LF	\$367.54
234	36-inch	1	LF	\$389.16
235	42-inch	1	LF	\$464.83
236	48-inch	1	LF	\$524.29
237	54-inch	1	LF	\$599.96
	G) Pig Cleaning			
	Foam Pig			
238	0-12 inch	1	LF	\$0.54
239	13-24 inch	1	LF	\$1.62
240	25-36 inch	1	LF	\$2.70
241	37-48 inch	1	LF	\$3.78
242	Over 48 inch	1	LF	\$5.41
	Wire Bullet Pig			
243	0-12 inch	1	LF	\$3.24
244	13-24 inch	1	LF	\$4.32
245	25-36 inch	1	LF	\$6.49
245	37-48 inch	1	LF	\$9.73
247	Over 48 inch	1	LF	\$12.97
	Blade Scraper Pig			
248	0-12 inch	1	LF	\$0.54
249	13-24 inch	1	LF	\$1.62
250	25-36 inch	1	LF	\$2.70
251	37-48 inch	1	LF	\$3.78
252	Over 48 inch	1	LF	\$5.41
	H) Time and Material Unit Rates for Change Orders			
	Materials, Subcontractors and Rentals			

253	Markup = 15%			
254	Sales Taxes = Per Jurisdiction			
	Labor			
255	Executive Supervisor	1	HR	\$91.89
	a) Project Management	1	HR	\$81.08
256	Superintendent	1	HR	\$48.65
		QTY	Unit	Unit Price
257	Administrator	1	HR	\$27.03
258	Crew Chief	1	HR	\$43.24
259	Equipment Operator	1	HR	\$37.84
260	Pipelayer - Skilled	1	HR	\$32.43
261	Pipelayer - Helper	1	HR	\$30.27
262	Laborer - Unskilled	1	HR	\$27.03
	I) Directional Drilling & Pipe Installation			
263	2-inch	1	LF	\$20.54
264	4-inch	1	LF	\$28.11
265	6-inch	1	LF	\$37.84
266	8-inch	1	LF	\$43.24
267	10-inch	1	LF	\$59.46
268	12-inch	1	LF	\$77.83
269	14-inch	1	LF	\$96.21
270	16-inch	1	LF	\$108.10
280	18-inch	1	LF	\$124.32
281	20-inch	1	LF	\$194.58
282	24-inch	1	LF	\$259.44
	J) Gravity Sewer CIPP Lateral Renewal Systems			
283	4 inch lateral up to 25 lf	1	EA	\$1,621.50
284	6 inch lateral up to 25 lf	1	EA	\$1,891.75
285	4 inch tophat installation	1	EA	\$756.70
286	6 inch tophat installation	1	EA	\$972.90
	K) Manhole Rehabilitation			
287	4 foot diameter	1	VF	\$270.25
288	6 foot diameter	1	VF	\$281.06
289	Lift station rehabilitation	1	SF	\$19.46
290	Existing coating removal	1	SF	\$5.41
291	Adjust existing manhole cover and ring (grass)	1	EA	\$432.40
292	Adjust existing manhole cover and ring (Asphalt)	1	EA	\$648.60
293	Install new manhole ring and cover (grass)	1	EA	\$756.70
294	Install new manhole ring and cover (Asphalt)	1	EA	\$1,189.10
295	Furnish and install manhole chimney seal	1	EA	\$540.50
296	Re-construct manhole bench and channel flow	1	EA	\$540.50
	L) Slip-lining down to DR 11			
297	4-inch	1	EA	\$32.43
298	6-inch	1	EA	\$37.84
299	8-inch	1	EA	\$43.24
300	10-inch	1	EA	\$54.05
301	12-inch	1	EA	\$75.67
302	16-inch	1	EA	\$108.10
303	18-inch	1	EA	\$124.32
304	24-inch	1	EA	\$259.44
305	30-inch	1	EA	\$345.92
306	36-inch	1	EA	\$410.78
307	42-inch	1	EA	\$454.02
308	48-inch	1	EA	\$518.88
309	54-inch	1	EA	\$691.84
310	63-inch	1	EA	\$810.75
	M) Large Diameter HDPE			
	Pipe String Fusion			
311	14-inch	1	LF	\$59.46
312	16-inch	1	LF	\$70.27
313	18-inch	1	LF	\$81.08
314	20-inch	1	LF	\$91.89
315	24-inch	1	LF	\$113.51
316	30-inch	1	LF	\$145.94
317	36-inch	1	LF	\$183.77
318	48-inch	1	LF	\$237.82
	Pressure Testing			
319	14-48 inch	1	LF	\$4.32
320	Charge Water	1	K-Gals	\$1.08

N) Pipe Bursting for Force Main Replacement Procedure					
	HDPE DR 11				
321	3-inch diameter	1	LF	\$51.89	
322	4-inch diameter	1	LF	\$61.62	
323	6-inch diameter	1	LF	\$79.99	
324	8-inch diameter	1	LF	\$103.78	
325	10-inch diameter	1	LF	\$116.75	
326	12-inch diameter	1	LF	\$145.94	
327	14-inch diameter	1	LF	\$162.15	
328	16-inch diameter	1	LF	\$199.99	
329	18-inch diameter	1	LF	\$227.01	
330	20-inch diameter	1	LF	\$264.85	
331	24-inch diameter	1	LF	\$297.28	
332	30-inch diameter	1	LF	\$378.35	
333	36-inch diameter	1	LF	\$416.19	
334	42-inch diameter	1	LF	\$459.43	
335	48-inch diameter	1	LF	\$540.50	
336	54-inch diameter	1	LF	\$648.60	
	Plug Valves				
337	4-inch	1	EA	\$1,148.02	
338	6-inch	1	EA	\$1,837.70	
339	8-inch	1	EA	\$2,413.87	
340	10-inch	1	EA	\$3,312.18	
341	12-inch	1	EA	\$3,829.98	
342	16-inch	1	EA	\$5,516.34	
343	18-inch	1	EA	\$9,238.23	
344	20-inch	1	EA	\$14,471.35	
345	24-inch	1	EA	\$19,715.28	
346	30-inch	1	EA	\$34,002.86	
347	36-inch	1	EA	\$48,703.37	
348	42-inch	1	EA	\$59,199.88	
349	48-inch	1	EA	\$66,939.84	
350	54-inch	1	EA	\$75,468.93	
	ARV Vacuum/Air/With structure				
351	2-inch	1	EA	\$4,942.33	
352	4-inch	1	EA	\$12,477.98	
353	6-inch	1	EA	\$15,806.38	
	Blow Off/With box				
354	2-inch	1	EA	\$2,750.06	
355	4-inch	1	EA	\$4,971.52	
356	6-inch	1	EA	\$8,448.02	
357	Tracer Wire	1	LF	\$1.76	
	O) Modular Pipe Bursting				
358	Manhole set up fee	1	EA	\$26,754.75	
359	8-inch	1	LF	\$168.64	
360	10-inch	1	LF	\$183.77	
361	12-inch	1	LF	\$201.07	
362	14-inch	1	LF	\$217.28	
363	16-inch	1	LF	\$244.31	
364	18-inch	1	LF	\$289.71	
	P) Extended Warranty				
365	Past 1 year, extended warranty offered at 1.93% of contract value per year				