

ADDENDUM RECEIPT

Addendum No: 2

Date: Sept 25, 2019

Project: Subsurface Utility Contract (2019)

ITB: WS 77-19

Pages to Follow: 15

**Bidders must acknowledge receipt of all issued addenda
by signing and dating this receipt and faxing to (850) 689-5970
or scanning and emailing to dmason@myokaloosa.com**

COMPANY

AUTHORIZED SIGNATURE

PRINTED NAME

DATE

It shall be the responsibility of Prime Bidders to insure that Subcontractors and/or Suppliers receive addenda which could impact their respective portions of the project. Additional instructions for addenda acknowledgement can be found in the contract documents.

ADDENDUM NO. 2

TO: ALL BIDDERS

PROJECT: ITB WS 77-19 Subsurface Utility Contract (2019)

BID TIME AND DATE: 3:00 PM CST, October 2, 2019

OWNER: OKALOOSA COUNTY WATER AND SEWER SYSTEM

September 25, 2019

A Mandatory Pre-Bid Meeting was held on September 10, 2019. Pursuant to issues discussed and questions arising from that meeting as well as questions subsequent to that meeting, the following items are hereby incorporated into the project contract documents and specifications. **Note, any deletions from original documents will be ~~stricken through~~ and any additions or replacements of deletions shall be *italicized* in this addendum:**

ITEM NO. 1 - SECTION 00300

- A FINAL REVISED Section 00300 Bid Schedule is included at the end of this Addendum. **USE the FINAL REVISED Section 00300 to submit your bid!**

ITEM NO. 2 - QUESTIONS RECEIVED DURING OR SINCE THE MANDATORY PRE-BID MEETING:

BIDDERS MAY USE THE ANSWERS TO THESE QUESTIONS IN PREPARATION OF THEIR BIDS.

1. Would the County be willing to purchase & store materials?

Answer - No.

RECEIPT OF THIS ADDENDUM SHALL BE ACKNOWLEDGED BY WRITING THIS ADDENDUM NO. AND DATE IN THE SPACE PROVIDED ON PAGE 00300-7 OF THE REVISED FINAL BID PROPOSAL.

Beth Brant, PE

Beth Brant, P.E. - POLY, Inc.

FINAL ADDENDUM
Section 00300
REVISED BID SCHEDULE

BID #: ITB WS 77-19

BASE BID (Item 1-229) – ANNUAL BORING CONTRACT (2019)

Item #		Unit	UNIT PRICE
Mobilization Services - HDD			
1	Up to \$10,000 per Task Order	EA	
2	\$10,001 to \$60,000 per Task Order	EA	
3	\$60,001 and Up per Task Order	EA	
Mobilization Services – Jack and Boring			
4	Up to \$10,000 per Task Order	EA	
5	\$10,001 to \$60,000 per Task Order	EA	
6	\$60,001 and Up per Task Order	EA	
7	Flagmen	Per Hour	
Jack and Bore Steel Casing (without Carrier Pipe) for Water or Force Main			
8	4" Casing, 0.172" Wall Thickness	LF	
9	4" Casing, 0.188" Wall Thickness	LF	
10	6" Casing, 0.172" Wall Thickness	LF	
11	6" Casing, 0.188" Wall Thickness	LF	
12	8" Casing, 0.172" Wall Thickness	LF	
13	8" Casing, 0.188" Wall Thickness	LF	
14	10" Casing, 0.188" Wall Thickness	LF	
15	10" Casing, 0.250" Wall Thickness	LF	
16	12" Casing, 0.188" Wall Thickness	LF	
17	12" Casing, 0.250" Wall Thickness	LF	
18	16" Casing, 0.250" Wall Thickness	LF	
19	16" Casing, 0.281" Wall Thickness	LF	
20	18" Casing, 0.250" Wall Thickness	LF	
21	18" Casing, 0.312" Wall Thickness	LF	
22	20" Casing, 0.250" Wall Thickness	LF	
23	20" Casing, 0.344" Wall Thickness	LF	
24	24" Casing, 0.250" Wall Thickness	LF	
25	24" Casing, 0.375" Wall Thickness	LF	
26	30" Casing, 0.375" Wall Thickness	LF	
27	30" Casing, 0.469" Wall Thickness	LF	
28	36" Casing, 0.375" Wall Thickness	LF	
29	36" Casing, 0.532" Wall Thickness	LF	

30	42" Casing, 0.375" Wall Thickness	LF	
31	42" Casing, 0.657" Wall Thickness	LF	
32	48" Casing, 0.500" Wall Thickness	LF	
33	48" Casing, 0.688" Wall Thickness	LF	
34	54" Casing, 0.500" Wall Thickness	LF	
35	54" Casing, 0.781" Wall Thickness	LF	
36	60" Casing, 0.625" Wall Thickness	LF	
37	60" Casing, 0.844" Wall Thickness	LF	
	Jack and Bore Steel Casing (without Carrier Pipe) for Gravity Main On Grade		
38	10" Casing, 0.188" Wall Thickness	LF	
39	10" Casing, 0.250" Wall Thickness	LF	
40	12" Casing, 0.188" Wall Thickness	LF	
41	12" Casing, 0.250" Wall Thickness	LF	
42	16" Casing, 0.250" Wall Thickness	LF	
43	16" Casing, 0.281" Wall Thickness	LF	
44	18" Casing, 0.250" Wall Thickness	LF	
45	18" Casing, 0.312" Wall Thickness	LF	
46	20" Casing, 0.250" Wall Thickness	LF	
47	20" Casing, 0.344" Wall Thickness	LF	
48	24" Casing, 0.250" Wall Thickness	EA	
49	24" Casing, 0.375" Wall Thickness	LF	
50	30" Casing, 0.375" Wall Thickness	LF	
51	30" Casing, 0.469" Wall Thickness	LF	
52	36" Casing, 0.375" Wall Thickness	LF	
53	36" Casing, 0.532" Wall Thickness	LF	
54	42" Casing, 0.375" Wall Thickness	LF	
55	42" Casing, 0.657" Wall Thickness	LF	
56	48" Casing, 0.500" Wall Thickness	LF	
57	48" Casing, 0.688" Wall Thickness	LF	
58	54" Casing, 0.500" Wall Thickness	LF	
59	54" Casing, 0.781" Wall Thickness	LF	
60	60" Casing, 0.625" Wall Thickness	LF	
61	60" Casing, 0.844" Wall Thickness	LF	
	Horizontal Directional Drill Installation of HDPE, DR-11, DIPS for Water or Force Main		
62	2" HDPE (0'-250')	LF	
63	2" HDPE (> 250')	LF	
64	4" HDPE (0'-250')	LF	
65	4" HDPE (> 250')	LF	
66	6" HDPE (0'-250')	LF	
67	6" HDPE (> 250')	LF	
68	8" HDPE (0'-250')	LF	
69	8" HDPE (> 250')	LF	

70	10" HDPE (0'-250')	LF	
71	10" HDPE (> 250')	LF	
72	12" HDPE (0'-250')	LF	
73	12" HDPE (> 250')	LF	
74	14" HDPE (0'-250')	LF	
75	14" HDPE (> 250')	LF	
76	16" HDPE (0'-250')	LF	
77	16" HDPE (> 250')	LF	
78	18" HDPE (0'-250')	LF	
79	18" HDPE (> 250')	LF	
80	20" HDPE (0'-250')	LF	
81	20" HDPE (> 250')	LF	
82	24" HDPE (0'-250')	LF	
83	24" HDPE (> 250')	LF	
84	30" HDPE (0'-250')	LF	
85	30" HDPE (> 250')	LF	
86	36" HDPE (0'-250')	LF	
87	36" HDPE (> 250')	LF	
	Horizontal Directional Drill Installation of HDPE, DR-11, DIPS for Gravity Main On Grade		
88	6" HDPE (0'-250')	LF	
89	6" HDPE (> 250')	LF	
90	8" HDPE (0'-250')	LF	
91	8" HDPE (> 250')	LF	
92	10" HDPE (0'-250')	LF	
93	10" HDPE (> 250')	LF	
94	12" HDPE (0'-250')	LF	
95	12" HDPE (> 250')	LF	
96	14" HDPE (0'-250')	LF	
97	14" HDPE (> 250')	LF	
98	16" HDPE (0'-250')	LF	
99	16" HDPE (> 250')	LF	
100	18" HDPE (0'-250')	LF	
101	18" HDPE (> 250')	LF	
102	20" HDPE (0'-250')	LF	
103	20" HDPE (> 250')	LF	
104	24" HDPE (0'-250')	LF	
105	24" HDPE (> 250')	LF	
106	30" HDPE (0'-250')	LF	
107	30" HDPE (> 250')	LF	
108	36" HDPE (0'-250')	LF	
109	36" HDPE (> 250')	LF	
	Butt Fused HDPE Pipe Adapter - HDPE to MJ Adapter Fitting (Same Size)		

110	2" HDPE MJ Adapters	PAIR	
111	4" HDPE MJ Adapters	PAIR	
112	6" HDPE MJ Adapters	PAIR	
113	8" HDPE MJ Adapters	PAIR	
114	10" HDPE MJ Adapters	PAIR	
115	12" HDPE MJ Adapters	PAIR	
116	14" HDPE MJ Adapters	PAIR	
117	16" HDPE MJ Adapters	PAIR	
118	18" HDPE MJ Adapters	PAIR	
119	20" HDPE MJ Adapters	PAIR	
120	24" HDPE MJ Adapters	PAIR	
121	30" HDPE MJ Adapters	PAIR	
122	36" HDPE MJ Adapters	PAIR	
	Butt Fused HDPE Pipe Adapter - HDPE to MJ Adapter Fitting (Reducing)		
123	4" HDPE x 2" MJ Adapters	PAIR	
124	6" HDPE x 4" MJ Adapters	PAIR	
125	8" HDPE x 6" MJ Adapters	PAIR	
126	10" HDPE x 8" MJ Adapters	PAIR	
127	12" HDPE x 10" MJ Adapters	PAIR	
128	14" HDPE x 12" MJ Adapters	PAIR	
129	16" HDPE x 14" MJ Adapters	PAIR	
130	18" HDPE x 16" MJ Adapters	PAIR	
131	20" HDPE x 18" MJ Adapters	PAIR	
132	24" HDPE x 20" MJ Adapters	PAIR	
133	30" HDPE x 24" MJ Adapters	PAIR	
134	36" HDPE x 30" MJ Adapters	PAIR	
	Horizontal Directional Drill Installation of Fusible PVC, DIPS, for Water or Force Main		
135	4" FPVC, DR-18, C900 (0'-250')	LF	
136	4" FPVC, DR-18, C900 (> 250')	LF	
137	6" FPVC, DR-18, C900 (0'-250')	LF	
138	6" FPVC, DR-18, C900 (> 250')	LF	
139	8" FPVC, DR-18, C900 (0'-250')	LF	
140	8" FPVC, DR-18, C900 (> 250')	LF	
141	10" FPVC, DR-18, C900 (0'-250')	LF	
142	10" FPVC, DR-18, C900 (> 250')	LF	
143	12" FPVC, DR-18, C900 (0'-250')	LF	
144	12" FPVC, DR-18, C900 (> 250')	LF	
145	14" FPVC, DR-18, C905 (0'-250')	LF	
146	14" FPVC, DR-18, C905 (> 250')	LF	
147	16" FPVC, DR-18, C905 (0'-250')	LF	
148	16" FPVC, DR-18, C905 (> 250')	LF	

149	18" FPVC, DR-18, C905 (0'-250')	LF	
150	18" FPVC, DR-18, C905 (> 250')	LF	
151	20" FPVC, DR-18, C905 (0'-250')	LF	
152	20" FPVC, DR-18, C905 (> 250')	LF	
153	24" FPVC, DR-18, C905 (0'-250')	LF	
154	24" FPVC, DR-18, C905 (> 250')	LF	
155	30" FPVC, DR-21, C905 (0'-250')	LF	
156	30" FPVC, DR-21, C905 (> 250')	LF	
157	36" FPVC, DR-21, C905 (0'-250')	LF	
158	36" FPVC, DR-21, C905 (> 250')	LF	
	Horizontal Directional Drill Installation of Fusible PVC, DIPS, for Gravity Main On Grade		
159	4" FPVC, DR-18, C900 (0'-250')	LF	
160	4" FPVC, DR-18, C900 (> 250')	LF	
161	6" FPVC, DR-18, C900 (0'-250')	LF	
162	6" FPVC, DR-18, C900 (> 250')	LF	
163	8" FPVC, DR-18, C900 (0'-250')	LF	
164	8" FPVC, DR-18, C900 (> 250')	LF	
165	10" FPVC, DR-18, C900 (0'-250')	LF	
166	10" FPVC, DR-18, C900 (> 250')	LF	
167	12" FPVC, DR-18, C900 (0'-250')	LF	
168	12" FPVC, DR-18, C900 (> 250')	LF	
169	14" FPVC, DR-18, C905 (0'-250')	LF	
170	14" FPVC, DR-18, C905 (> 250')	LF	
171	16" FPVC, DR-18, C905 (0'-250')	LF	
172	16" FPVC, DR-18, C905 (> 250')	LF	
173	18" FPVC, DR-18, C905 (0'-250')	LF	
174	18" FPVC, DR-18, C905 (> 250')	LF	
175	20" FPVC, DR-18, C905 (0'-250')	LF	
176	20" FPVC, DR-18, C905 (> 250')	LF	
177	24" FPVC, DR-18, C905 (0'-250')	LF	
178	24" FPVC, DR-18, C905 (> 250')	LF	
179	30" FPVC, DR-21, C905 (0'-250')	LF	
180	30" FPVC, DR-21, C905 (> 250')	LF	
181	36" FPVC, DR-21, C905 (0'-250')	LF	
182	36" FPVC, DR-21, C905 (> 250')	LF	
	Horizontal Directional Drill Installation of HDPE DR-11 Communication Conduit (Orange)		
183	1 x 2" HDPE w/pull tape (0'-250')	LF	
184	1 x 2" HDPE w/pull tape (> 250')	LF	
185	2 x 2" HDPE w/pull tape (0'-250')	LF	
186	2 x 2" HDPE w/pull tape (> 250')	LF	
187	3 x 2" HDPE w/pull tape (0'-250')	LF	
188	3 x 2" HDPE w/pull tape (> 250')	LF	

189	1 x 3" HDPE w/pull tape (0'-250')	LF	
190	1 x 3" HDPE w/pull tape (> 250')	LF	
	Miscellaneous Site Work, Erosion Control, Restoration, Etc.		
191	Furnish & Install Solid Sod (type varies)	SY	
192	Furnish & Install Seed & Mulch	SY	
193	Furnish & Install Silt Fence	LF	
194	Furnish & Install Staked Hay Bales	EACH	
195	Remove & Replace Roadway Pavement (All Types)	SY	
196	Remove & Replace Sidewalks (All Types)	SY	
197	Remove & Replace Driveways (All Types)	SY	
198	Remove & Replace Gravel	SY	
199	Remove & Replace Curb & Gutter (All Types)	LF	
200	Remove & Replace Drainage Flume (All Types)	SY	
	Maintenance of Traffic on Multi-Laned Roads		
201	Traffic control for three-lane roadway, if required	Per Day	
202	Traffic control for four-lane roadway, if required	Per Day	
203	Traffic control for five-lane roadway, if required	Per Day	
204	Traffic control for six-lane or greater roadway, if required	Per Day	
205	Traffic ramps for dewatering pumping piping, if required	Per Day	
	Dewatering		
206	Dewatering Setup for Each 3" Pump	EACH	
207	Dewatering Setup for Each 4" Pump	EACH	
208	Dewatering Setup for Each 6" Pump	EACH	
209	Dewatering Setup for Each 8" Pump	EACH	
210	Dewatering Operation for Each 3" Pump	Per Day	
211	Dewatering Operation for Each 4" Pump	Per Day	
212	Dewatering Operation for Each 6" Pump	Per Day	
213	Dewatering Operation for Each 8" Pump	Per Day	
	Wire Line Guidance		
214	Wireline Guidance Add-on	Per Bore	
	Fusion Machine Mobilization (HDPE and FPVC)		
215	Additional charge for 16"-30" Fusion Machine Mob	EA	
216	Additional charge for 36" Fusion Machine Mob	EA	
	Ductile Iron Carrier Pipe Installed Inside Jack and Bore Casing (Restrained Joint Ductile Iron Pipe with Casing Spacers and Casing End Seals)		
217	4" CL350 DIP	LF	
218	6" CL350 DIP	LF	
219	8" CL350 DIP	LF	
220	10" CL350 DIP	LF	

221	12" CL350 DIP	LF	
222	14" CL250 DIP	LF	
223	16" CL250 DIP	LF	
224	18" CL250 DIP	LF	
225	20" CL250 DIP	LF	
226	24" CL250 DIP	LF	
227	30" CL250 DIP	LF	
228	36" CL250 DIP	LF	
229	42" CL250 DIP	LF	

Proposal Evaluation - The following list of quantities of items shall be used to evaluate bidder's proposal based on the unit prices provided in the bid schedule above. All work allocated under this Contract shall be based on the unit prices established in the bid schedule and Contractor will be compensated for actual work performed only. No guarantee of quantities of Work required during this Contract or Work allocated to individual Contractor(s) during the life of the Contract is provided. NOTE: Not all bid items are included in the list of items to be used to evaluate bidder's proposal.

Item #		Unit	QUANTITY
Mobilization Services - HDD			
1	Up to \$10,000 per Task Order	EA	5
2	\$10,001 to \$60,000 per Task Order	EA	10
3	\$60,001 and Up per Task Order	EA	15
Mobilization Services – Jack and Boring			
4	Up to \$10,000 per Task Order	EA	1
5	\$10,001 to \$60,000 per Task Order	EA	3
6	\$60,001 and Up per Task Order	EA	5
7	Flagmen	Per Hour	100
Jack and Bore Steel Casing (without Carrier Pipe) for Water or Force Main			
8	4" Casing, 0.172" Wall Thickness	LF	40
9	4" Casing, 0.188" Wall Thickness	LF	40
10	6" Casing, 0.172" Wall Thickness	LF	60
11	6" Casing, 0.188" Wall Thickness	LF	60
12	8" Casing, 0.172" Wall Thickness	LF	80
13	8" Casing, 0.188" Wall Thickness	LF	80
14	10" Casing, 0.188" Wall Thickness	LF	100
15	10" Casing, 0.250" Wall Thickness	LF	100
16	12" Casing, 0.188" Wall Thickness	LF	120
17	12" Casing, 0.250" Wall Thickness	LF	120
18	16" Casing, 0.250" Wall Thickness	LF	140
19	16" Casing, 0.281" Wall Thickness	LF	140
20	18" Casing, 0.250" Wall Thickness	LF	160
21	18" Casing, 0.312" Wall Thickness	LF	160
22	20" Casing, 0.250" Wall Thickness	LF	320
23	20" Casing, 0.344" Wall Thickness	LF	220
24	24" Casing, 0.250" Wall Thickness	LF	200
25	24" Casing, 0.375" Wall Thickness	LF	200
26	30" Casing, 0.375" Wall Thickness	LF	400
27	30" Casing, 0.469" Wall Thickness	LF	400
28	36" Casing, 0.375" Wall Thickness	LF	650
29	36" Casing, 0.532" Wall Thickness	LF	650
30	42" Casing, 0.375" Wall Thickness	LF	650
31	42" Casing, 0.657" Wall Thickness	LF	650
32	48" Casing, 0.500" Wall Thickness	LF	400

33	48" Casing, 0.688" Wall Thickness	LF	400
34	54" Casing, 0.500" Wall Thickness	LF	300
35	54" Casing, 0.781" Wall Thickness	LF	300
36	60" Casing, 0.625" Wall Thickness	LF	200
37	60" Casing, 0.844" Wall Thickness	LF	200
	Jack and Bore Steel Casing (without Carrier Pipe) for Gravity Main On Grade		
38	10" Casing, 0.188" Wall Thickness	LF	100
39	10" Casing, 0.250" Wall Thickness	LF	100
40	12" Casing, 0.188" Wall Thickness	LF	200
41	12" Casing, 0.250" Wall Thickness	LF	200
42	16" Casing, 0.250" Wall Thickness	LF	400
43	16" Casing, 0.281" Wall Thickness	LF	400
44	18" Casing, 0.250" Wall Thickness	LF	200
45	18" Casing, 0.312" Wall Thickness	LF	200
46	20" Casing, 0.250" Wall Thickness	LF	100
47	20" Casing, 0.344" Wall Thickness	LF	100
48	24" Casing, 0.250" Wall Thickness	EA	100
49	24" Casing, 0.375" Wall Thickness	LF	100
50	30" Casing, 0.375" Wall Thickness	LF	100
51	30" Casing, 0.469" Wall Thickness	LF	100
52	36" Casing, 0.375" Wall Thickness	LF	100
53	36" Casing, 0.532" Wall Thickness	LF	100
54	42" Casing, 0.375" Wall Thickness	LF	100
55	42" Casing, 0.657" Wall Thickness	LF	100
56	48" Casing, 0.500" Wall Thickness	LF	100
57	48" Casing, 0.688" Wall Thickness	LF	100
58	54" Casing, 0.500" Wall Thickness	LF	100
59	54" Casing, 0.781" Wall Thickness	LF	100
60	60" Casing, 0.625" Wall Thickness	LF	100
61	60" Casing, 0.844" Wall Thickness	LF	100
	Horizontal Directional Drill Installation of HDPE, DR-11, DIPS for Water or Force Main		
62	2" HDPE (0'-250')	LF	350
63	2" HDPE (> 250')	LF	4000
64	4" HDPE (0'-250')	LF	300
65	4" HDPE (> 250')	LF	860
66	6" HDPE (0'-250')	LF	500
67	6" HDPE (> 250')	LF	500
68	8" HDPE (0'-250')	LF	200
69	8" HDPE (> 250')	LF	700
70	10" HDPE (0'-250')	LF	1000
71	10" HDPE (> 250')	LF	1400
72	12" HDPE (0'-250')	LF	200

73	12" HDPE (> 250')	LF	780
74	14" HDPE (0'-250')	LF	200
75	14" HDPE (> 250')	LF	500
76	16" HDPE (0'-250')	LF	300
77	16" HDPE (> 250')	LF	950
78	18" HDPE (0'-250')	LF	300
79	18" HDPE (> 250')	LF	500
80	20" HDPE (0'-250')	LF	300
81	20" HDPE (> 250')	LF	12000
82	24" HDPE (0'-250')	LF	500
83	24" HDPE (> 250')	LF	5000
84	30" HDPE (0'-250')	LF	400
85	30" HDPE (> 250')	LF	5000
86	36" HDPE (0'-250')	LF	200
87	36" HDPE (> 250')	LF	1000
	Horizontal Directional Drill Installation of HDPE, DR-11, DIPS for Gravity Main On Grade		
88	6" HDPE (0'-250')	LF	20
89	6" HDPE (> 250')	LF	20
90	8" HDPE (0'-250')	LF	200
91	8" HDPE (> 250')	LF	200
92	10" HDPE (0'-250')	LF	240
93	10" HDPE (> 250')	LF	300
94	12" HDPE (0'-250')	LF	200
95	12" HDPE (> 250')	LF	300
96	14" HDPE (0'-250')	LF	100
97	14" HDPE (> 250')	LF	300
98	16" HDPE (0'-250')	LF	250
99	16" HDPE (> 250')	LF	2500
100	18" HDPE (0'-250')	LF	200
101	18" HDPE (> 250')	LF	300
102	20" HDPE (0'-250')	LF	200
103	20" HDPE (> 250')	LF	300
104	24" HDPE (0'-250')	LF	200
105	24" HDPE (> 250')	LF	300
106	30" HDPE (0'-250')	LF	200
107	30" HDPE (> 250')	LF	300
108	36" HDPE (0'-250')	LF	200
109	36" HDPE (> 250')	LF	300
	Butt Fused HDPE Pipe Adapter - HDPE to MJ Adapter Fitting (Same Size)		
110	2" HDPE MJ Adapters	PAIR	2
111	4" HDPE MJ Adapters	PAIR	4
112	6" HDPE MJ Adapters	PAIR	6

113	8" HDPE MJ Adapters	PAIR	8
114	10" HDPE MJ Adapters	PAIR	10
115	12" HDPE MJ Adapters	PAIR	15
116	14" HDPE MJ Adapters	PAIR	5
117	16" HDPE MJ Adapters	PAIR	25
118	18" HDPE MJ Adapters	PAIR	20
119	20" HDPE MJ Adapters	PAIR	20
120	24" HDPE MJ Adapters	PAIR	20
121	30" HDPE MJ Adapters	PAIR	10
122	36" HDPE MJ Adapters	PAIR	5
	Butt Fused HDPE Pipe Adapter - HDPE to MJ Adapter Fitting (Reducing)		
123	4" HDPE x 2" MJ Adapters	PAIR	2
124	6" HDPE x 4" MJ Adapters	PAIR	2
125	8" HDPE x 6" MJ Adapters	PAIR	2
126	10" HDPE x 8" MJ Adapters	PAIR	2
127	12" HDPE x 10" MJ Adapters	PAIR	5
128	14" HDPE x 12" MJ Adapters	PAIR	5
129	16" HDPE x 14" MJ Adapters	PAIR	5
130	18" HDPE x 16" MJ Adapters	PAIR	5
131	20" HDPE x 18" MJ Adapters	PAIR	10
132	24" HDPE x 20" MJ Adapters	PAIR	10
133	30" HDPE x 24" MJ Adapters	PAIR	10
134	36" HDPE x 30" MJ Adapters	PAIR	10
	Horizontal Directional Drill Installation of Fusible PVC, DIPS, for Water or Force Main		
135	4" FPVC, DR-18, C900 (0'-250')	LF	1000
136	4" FPVC, DR-18, C900 (> 250')	LF	1000
137	6" FPVC, DR-18, C900 (0'-250')	LF	1000
138	6" FPVC, DR-18, C900 (> 250')	LF	2000
139	8" FPVC, DR-18, C900 (0'-250')	LF	2000
140	8" FPVC, DR-18, C900 (> 250')	LF	2000
141	10" FPVC, DR-18, C900 (0'-250')	LF	2000
142	10" FPVC, DR-18, C900 (> 250')	LF	2000
143	12" FPVC, DR-18, C900 (0'-250')	LF	2000
144	12" FPVC, DR-18, C900 (> 250')	LF	5000
145	14" FPVC, DR-18, C905 (0'-250')	LF	500
146	14" FPVC, DR-18, C905 (> 250')	LF	500
147	16" FPVC, DR-18, C905 (0'-250')	LF	2000
148	16" FPVC, DR-18, C905 (> 250')	LF	2000
149	18" FPVC, DR-18, C905 (0'-250')	LF	2000
150	18" FPVC, DR-18, C905 (> 250')	LF	2000
151	20" FPVC, DR-18, C905 (0'-250')	LF	1500
152	20" FPVC, DR-18, C905 (> 250')	LF	1500

153	24" FPVC, DR-18, C905 (0'-250')	LF	1500
154	24" FPVC, DR-18, C905 (> 250')	LF	1500
155	30" FPVC, DR-21, C905 (0'-250')	LF	1000
156	30" FPVC, DR-21, C905 (> 250')	LF	1000
157	36" FPVC, DR-21, C905 (0'-250')	LF	500
158	36" FPVC, DR-21, C905 (> 250')	LF	500
	Horizontal Directional Drill Installation of Fusible PVC, DIPS, for Gravity Main On Grade		
159	4" FPVC, DR-18, C900 (0'-250')	LF	200
160	4" FPVC, DR-18, C900 (> 250')	LF	300
161	6" FPVC, DR-18, C900 (0'-250')	LF	200
162	6" FPVC, DR-18, C900 (> 250')	LF	300
163	8" FPVC, DR-18, C900 (0'-250')	LF	200
164	8" FPVC, DR-18, C900 (> 250')	LF	300
165	10" FPVC, DR-18, C900 (0'-250')	LF	200
166	10" FPVC, DR-18, C900 (> 250')	LF	300
167	12" FPVC, DR-18, C900 (0'-250')	LF	200
168	12" FPVC, DR-18, C900 (> 250')	LF	300
169	14" FPVC, DR-18, C905 (0'-250')	LF	200
170	14" FPVC, DR-18, C905 (> 250')	LF	300
171	16" FPVC, DR-18, C905 (0'-250')	LF	200
172	16" FPVC, DR-18, C905 (> 250')	LF	300
173	18" FPVC, DR-18, C905 (0'-250')	LF	200
174	18" FPVC, DR-18, C905 (> 250')	LF	300
175	20" FPVC, DR-18, C905 (0'-250')	LF	200
176	20" FPVC, DR-18, C905 (> 250')	LF	300
177	24" FPVC, DR-18, C905 (0'-250')	LF	200
178	24" FPVC, DR-18, C905 (> 250')	LF	300
179	30" FPVC, DR-21, C905 (0'-250')	LF	200
180	30" FPVC, DR-21, C905 (> 250')	LF	300
181	36" FPVC, DR-21, C905 (0'-250')	LF	200
182	36" FPVC, DR-21, C905 (> 250')	LF	300
	Horizontal Directional Drill Installation of HDPE DR-11 Communication Conduit (Orange)		
183	1 x 2" HDPE w/pull tape (0'-250')	LF	500
184	1 x 2" HDPE w/pull tape (> 250')	LF	7000
185	2 x 2" HDPE w/pull tape (0'-250')	LF	400
186	2 x 2" HDPE w/pull tape (> 250')	LF	2000
187	3 x 2" HDPE w/pull tape (0'-250')	LF	200
188	3 x 2" HDPE w/pull tape (> 250')	LF	500
189	1 x 3" HDPE w/pull tape (0'-250')	LF	200
190	1 x 3" HDPE w/pull tape (> 250')	LF	1000
	Miscellaneous Site Work, Erosion Control, Restoration, Etc.		

191	Furnish & Install Solid Sod (type varies)	SY	2000
192	Furnish & Install Seed & Mulch	SY	10000
193	Furnish & Install Silt Fence	LF	4000
194	Furnish & Install Staked Hay Bales	EACH	300
195	Remove & Replace Roadway Pavement (All Types)	SY	100
196	Remove & Replace Sidewalks (All Types)	SY	100
197	Remove & Replace Driveways (All Types)	SY	100
198	Remove & Replace Gravel	SY	100
199	Remove & Replace Curb & Gutter (All Types)	LF	50
200	Remove & Replace Drainage Flume (All Types)	SY	100
Maintenance of Traffic on Multi-Laned Roads			
201	Traffic control for three-lane roadway, if required	Per Day	20
202	Traffic control for four-lane roadway, if required	Per Day	20
203	Traffic control for five-lane roadway, if required	Per Day	15
204	Traffic control for six-lane or greater roadway, if required	Per Day	10
205	Traffic ramps for dewatering pumping piping, if required	Per Day	10
Dewatering			
206	Dewatering Setup for Each 3" Pump	EACH	5
207	Dewatering Setup for Each 4" Pump	EACH	5
208	Dewatering Setup for Each 6" Pump	EACH	5
209	Dewatering Setup for Each 8" Pump	EACH	5
210	Dewatering Operation for Each 3" Pump	Per Day	10
211	Dewatering Operation for Each 4" Pump	Per Day	10
212	Dewatering Operation for Each 6" Pump	Per Day	10
213	Dewatering Operation for Each 8" Pump	Per Day	10
Wire Line Guidance			
214	Wireline Guidance Add-on	Per Bore	10
Fusion Machine Mobilization (HDPE and FPVC)			
215	Additional charge for 16"-30" Fusion Machine Mob	EA	10
216	Additional charge for 36" Fusion Machine Mob	EA	5
Ductile Iron Carrier Pipe Installed Inside Jack and Bore Casing (Restrained Joint Ductile Iron Pipe with Casing Spacers and Casing End Seals)			
217	4" CL350 DIP	LF	50
218	6" CL350 DIP	LF	75
219	8" CL350 DIP	LF	100
220	10" CL350 DIP	LF	100
221	12" CL350 DIP	LF	600
222	14" CL250 DIP	LF	100
223	16" CL250 DIP	LF	200
224	18" CL250 DIP	LF	200

225	20" CL250 DIP	LF	200
226	24" CL250 DIP	LF	200
227	30" CL250 DIP	LF	200
228	36" CL250 DIP	LF	200
229	42" CL250 DIP	LF	200