



**BID TABULATION : CITY OF LAKE WORTH
 IFB 16-115 TROPICAL DRIVE AND BARTON ROAD INFRASTRUCTURE IMPROVEMENTS**

BID DATE: JUNE 3, 2016

Description	EST QTY	Units	B&B Underground Construction, Inc.		Foster Marine Contractors, Inc.		Southern Underground Industries, Inc.		
			Unit Cost	Value	Unit Cost	Value	Unit Cost	Value	
WATER UTILITIES									
1	Furnish and install 4" PVC (Polyvinyl Chloride) C-900 (DR-18) water main pipe including all thrust blocks, restraining joints, disinfection and appurtenances needed to deliver a functioning water distribution system.	30	LF	\$60.00	\$1,800.00	\$102.00	\$3,060.00	\$110.00	\$3,300.00
2	Furnish and install 6" PVC (Polyvinyl Chloride) C-900 (DR-18) water main pipe including all thrust blocks, restraining joints, disinfection and appurtenances needed to deliver a functioning water distribution system.	50	LF	\$69.00	\$3,450.00	\$115.00	\$5,750.00	\$57.00	\$2,850.00
3	Furnish and install 8" PVC (Polyvinyl Chloride) C-900 (DR-18) water main pipe including all thrust blocks, restraining joints, disinfection and appurtenances needed to deliver a functioning water distribution system.	3500	LF	\$33.00	\$115,500.00	\$66.00	\$231,000.00	\$29.00	\$101,500.00
4	Furnish and install 12" PVC (Polyvinyl Chloride) C-900 (DR-18) water main pipe including all thrust blocks, restraining joints, disinfection and appurtenances needed to deliver a functioning water distribution system.	3500	LF	\$68.00	\$238,000.00	\$82.00	\$287,000.00	\$44.00	\$154,000.00
5	Furnish and install 4" DIP (Ductile Iron Pipe) water main pipe including all thrust blocks, restraining joints, disinfection and appurtenances needed to deliver a functioning water distribution system.	40	LF	\$86.00	\$3,440.00	\$105.00	\$4,200.00	\$130.00	\$5,200.00
6	Furnish and install 6" DIP (Ductile Iron Pipe) water main pipe including all thrust blocks, restraining joints, disinfection and appurtenances needed to deliver a functioning water distribution system.	400	LF	\$78.00	\$31,200.00	\$91.00	\$36,400.00	\$46.00	\$18,400.00
7	Furnish and install 8" DIP (Ductile Iron Pipe) water main pipe including all thrust blocks, restraining joints, disinfection and appurtenances needed to deliver a functioning water distribution system.	150	LF	\$80.00	\$12,000.00	\$128.00	\$19,200.00	\$51.00	\$7,650.00
8	Furnish and install 12" DIP (Ductile Iron Pipe) water main pipe including all thrust blocks, restraining joints, disinfection and appurtenances needed to deliver a functioning water distribution system.	310	LF	\$100.00	\$31,000.00	\$145.00	\$44,950.00	\$61.00	\$18,910.00
9	Furnish and install Compact Ductile Iron Fittings (Tees, Elbows, Crosses, etc.).	6.84	TONS	\$7,900.00	\$54,036.00	\$5,000.00	\$34,200.00	\$830.00	\$5,677.20
10	Furnish and install 12" resilient wedge gate valve and appurtenances.	6	EA	\$2,450.00	\$14,700.00	\$3,200.00	\$19,200.00	\$4,000.00	\$24,000.00
11	Furnish and install 8" resilient wedge gate valve and appurtenances.	5	EA	\$1,450.00	\$7,250.00	\$1,900.00	\$9,500.00	\$2,500.00	\$12,500.00
12	Furnish and install 6" resilient wedge gate valve and appurtenances.	14	EA	\$1,000.00	\$14,000.00	\$1,525.00	\$21,350.00	\$1,800.00	\$25,200.00
13	Furnish and install 2" resilient wedge gate valve and appurtenances.	1	EA	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
14	Furnish and install 12"x12" stainless steel tapping saddle assembly, including valve, appurtenances and all site restoration.	1	EA	\$7,100.00	\$7,100.00	\$1,000.00	\$1,000.00	\$9,900.00	\$9,900.00
15	Furnish and install 12"x8" stainless steel tapping saddle assembly, including valve, appurtenances and all site restoration.	2	EA	\$5,200.00	\$10,400.00	\$5,200.00	\$10,400.00	\$8,500.00	\$17,000.00
16	Furnish and install 6" x 6" stainless steel tapping sleeve assembly, including valve, appurtenances and all site restoration.	1	EA	\$3,700.00	\$3,700.00	\$5,000.00	\$5,000.00	\$7,500.00	\$7,500.00
17	Furnish and install fire hydrant assemblies on proposed water main, including tee, valve and appurtenances.	6	EA	\$3,720.00	\$22,320.00	\$5,500.00	\$33,000.00	\$5,300.00	\$31,800.00



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				Unit Cost	Value	Unit Cost	Value	Unit Cost	Value
18	Reconnect existing fire hydrant to proposed water main.	5	EA	\$2,600.00	\$13,000.00	\$3,500.00	\$17,500.00	\$3,700.00	\$18,500.00
19	Furnish and install new watermain interconnection assembly, meters, check valves, strainers and pre-cast vault.	1	LS	\$105,000.00	\$105,000.00	\$145,000.00	\$145,000.00	\$109,000.00	\$109,000.00
20	Furnish and install sampling point.	11	EA	\$480.00	\$5,280.00	\$450.00	\$4,950.00	\$460.00	\$5,060.00
21	Furnish and install 1" Short Single water service including poly pipe, saddle, corporation stop and curb stop, including all appurtenances and site restoration. Includes connecting new service from new water main with new meter to the relocated/existing front yard meter box.	15	EA	\$840.00	\$12,600.00	\$1,300.00	\$19,500.00	\$1,200.00	\$18,000.00
22	Furnish and install 1" Long Single water service including poly pipe, saddle, corporation stop and curb stop, including all appurtenances and site restoration. Includes connecting new service from new water main with new meter to the relocated/existing front yard meter box.	20	EA	\$1,350.00	\$27,000.00	\$2,100.00	\$42,000.00	\$1,500.00	\$30,000.00
23	Furnish and install 1" Short Double water service including poly pipe, saddle, corporation stop and curb stop, including all appurtenances and site restoration. Includes connecting new service from new water main with new meter to the relocated/existing front yard meter box.	15	EA	\$950.00	\$14,250.00	\$1,850.00	\$27,750.00	\$840.00	\$12,600.00
24	Furnish and install 1" Long Double water service including poly pipe, saddle, corporation stop and curb stop, including all appurtenances and site restoration. Includes connecting new service from new water main with new meter to the relocated/existing front yard meter box.	22	EA	\$1,450.00	\$31,900.00	\$2,500.00	\$55,000.00	\$1,400.00	\$30,800.00
25	Water service (1") transfer from rear to front of property – complete water service installation including abandonments of existing meter location and private service line, installation of contractor furnished materials, completion of right of entry forms, plumbing permits, installation of private service line to the existing house valve location, meter yoke, expansion nut, tail piece and complete restoration. Includes relocating the existing meter and box to the front of the property, furnishing and installing 1" water service and connecting of new services to the relocated meter.	101	EA	\$900.00	\$90,900.00	\$2,050.00	\$207,050.00	\$2,800.00	\$282,800.00
26	Water service (1") transfer from rear to front of property - Individual Plumbing Permit - The permit fee is 3% of the cost for relocating each meter. If cost per meter is less than \$2,500.00, the permit fee is \$75.00 per meter.	101	EA	\$100.00	\$10,100.00	\$75.00	\$7,575.00	\$420.00	\$42,420.00
27	Grout and place out of service existing water main 6" and above.	860	LF	\$12.00	\$10,320.00	\$9.50	\$8,170.00	\$1,300.00	\$1,118,000.00
28	Cut, cap and place out of service existing water main up to 4".	29	EA	\$12.00	\$348.00	\$700.00	\$20,300.00	\$18.00	\$522.00
29	Removal & disposal of tree.	5	EA	\$200.00	\$1,000.00	\$450.00	\$2,250.00	\$1,200.00	\$6,000.00
30	Furnish and install air release valve. This item includes, but is not limited to, air release valve, strapping saddle, corporation stop, manhole/vault and all appurtenances necessary for the complete system.	4	EA	\$9,400.00	\$37,600.00	\$7,500.00	\$30,000.00	\$8,300.00	\$33,200.00
Water Utility Subtotal:					\$929,694.00		\$1,353,255.00		\$2,153,789.20
SEWER UTILITIES									
31	Relining of 8" VCP sewer pipe, including bypass and cleaning 6-10"	5000	LF	\$33.00	\$165,000.00	\$33.00	\$165,000.00	\$48.00	\$240,000.00



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32 Relining of 6" sewer lateral	120	EA	\$3,450.00	\$414,000.00	\$3,500.00	\$420,000.00	\$4,200.00	\$504,000.00	
33 Furnish and install new 6" PVC-SDR 26 (Polyvinyl Chloride) cleanout	120	EA	\$530.00	\$63,600.00	\$750.00	\$90,000.00	\$1,100.00	\$132,000.00	
34 Manhole Adjustment	20	EA	\$350.00	\$7,000.00	\$500.00	\$10,000.00	\$810.00	\$16,200.00	
Sewer Utility Subtotal:				\$649,600.00		\$685,000.00		\$892,200.00	
ROADWAY CONSTRUCTION									
35 Concrete sidewalk, 4" thick	2200	SY	\$40.00	\$88,000.00	\$47.00	\$103,400.00	\$40.00	\$88,000.00	
36 Monolithic vertical curb, gutter and sidewalk	160	SY	\$60.00	\$9,600.00	\$80.00	\$12,800.00	\$120.00	\$19,200.00	
37 Concrete Curb Removal	1100	LF	\$8.00	\$8,800.00	\$7.50	\$8,250.00	\$21.00	\$23,100.00	
38 Mill existing asphalt pavement	23000	SY	\$2.25	\$51,750.00	\$2.25	\$51,750.00	\$2.30	\$52,900.00	
39 Furnish and Place 3/4" Type S-III Asphalt	11500	SY	\$6.50	\$74,750.00	\$7.60	\$87,400.00	\$5.60	\$64,400.00	
40 Furnish and Place 1-1/2" Type S-III Asphalt	14000	SY	\$9.60	\$134,400.00	\$13.00	\$182,000.00	\$11.00	\$154,000.00	
41 Remove and Reinstall Wood Fence and Gate (N. Ridge Road)	1	LS	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	
42 Curb Ramp	48	SF	\$45.00	\$2,160.00	\$115.00	\$5,520.00	\$12.00	\$576.00	
43 Asphalt Overbuild (for leveling and pothole repair)	100	TONS	\$170.00	\$17,000.00	\$300.00	\$30,000.00	\$340.00	\$34,000.00	
44 Sod (Bahia)	260	SY	\$4.00	\$1,040.00	\$10.00	\$2,600.00	\$3.60	\$936.00	
Roadway Construction Subtotal:				\$390,500.00		\$488,720.00		\$440,112.00	
PAVEMENT MARKINGS & SIGNAGE									
45 Thermoplastic, STD, White, Solid, 6"	100	LF	\$0.75	\$75.00	\$1.50	\$150.00	\$1.10	\$110.00	
46 Thermoplastic, STD, White, Solid, 12"	910	LF	\$2.00	\$1,820.00	\$2.50	\$2,275.00	\$2.10	\$1,911.00	
47 Thermoplastic, STD, White, Solid, 18"	752	LF	\$2.50	\$1,880.00	\$4.00	\$3,008.00	\$3.10	\$2,331.20	
48 Thermoplastic, STD, White, Solid, 24"	330	LF	\$44.00	\$14,520.00	\$5.00	\$1,650.00	\$0.70	\$231.00	
49 Thermoplastic, Double, Yellow, Solid, 6"	400	LF	\$1.75	\$700.00	\$2.00	\$800.00	\$2.10	\$840.00	
50 Retro-Reflective Pavement Markers	11	EA	\$4.00	\$44.00	\$10.00	\$110.00	\$5.70	\$62.70	
51 Detectable Warnings	435	SF	\$42.00	\$18,270.00	\$7.00	\$3,045.00	\$23.00	\$10,005.00	
Pavement Markings & Signage Subtotal:				\$37,309.00		\$11,038.00		\$15,490.90	
SUBTOTAL CONSTRUCTION COSTS				\$2,007,103.00		\$2,538,013.00		\$3,501,592.10	
GENERAL CONDITIONS									
52 Preconstruction Video	1	LS	\$8,000.00	\$8,000.00	\$2,500.00	\$2,500.00	\$2,600.00	\$2,600.00	
53 Mobilization	1	LS	\$70,000.00	\$70,000.00	\$60,000.00	\$60,000.00	\$200,000.00	\$200,000.00	
54 Maintenance of Traffic (per FDOT Index 600 and FDOT Standard Specifications 536) -	1	LS	\$30,000.00	\$30,000.00	\$14,000.00	\$14,000.00	\$21,000.00	\$21,000.00	
55 Bonds and Insurance	1	LS	\$55,000.00	\$55,000.00	\$68,000.00	\$68,000.00	\$35,000.00	\$35,000.00	
56 Permits (Palm Beach County Health Department Clearances)	1	LS	\$2,000.00	\$2,000.00	\$3,000.00	\$3,000.00	\$3,600.00	\$3,600.00	
57 Provide National Pollutant Discharge Elimination System Permit (NPDES) and dewatering permit from applicable agencies. Contractor shall be limited to a maximum of one and one-half (1.5%) of the Sub Total Base Bid Price.	1	LS	\$11,000.00	\$11,000.00	\$7,000.00	\$7,000.00	\$44,000.00	\$44,000.00	
58 Record Drawings	1	LS	\$45,000.00	\$45,000.00	\$22,500.00	\$22,500.00	\$45,000.00	\$45,000.00	
59 Allowance	1	LS	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00	



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			Unit Cost	Value	Unit Cost	Value	Unit Cost	Value
SUBTOTAL GENERAL CONDITIONS				\$291,000.00		\$247,000.00		\$421,200.00
GRAND TOTAL BID PRICE				\$2,298,103.00		\$2,785,013.00		\$3,922,792.10
BID FORMS PROVIDED								
		Prior Experience (A1)		YES		YES		YES
		Bid (A2)		YES		YES		YES
		Schedule of Bid Items (B3)		YES		YES		YES
		Substitution Sheet (B4)		NONE		NONE		NONE
		Schedule of Sub-contractors (B5)		YES-2		YES-3		YES-7
		Contractor Verification (B6)		YES		YES		YES
		Reference List (B7)		YES		YES		YES
		Drug Free Certification (B8)		YES		YES		YES
		Trench Safety Compliance Form (B9)		YES		YES		YES
		Contractor's Existing and Projected Workload (B10)		YES		YES		YES
		Bid Bond		YES		YES		YES
		Insurance		YES		YES		YES
		Forms for Federally Funded Project		YES		YES		YES
		Noncollusion Affidavit of Prime Bidder		YES		YES		YES
		Anti-Kickback Affidavit		YES		YES		YES
		Certification of Eligibility of General Contractor		YES		YES		YES
		Certification of Nonsegregated Facilities		YES		YES		YES
		Workforce Projection		YES		YES		YES
		Sample of Daily Reporting Form and Employee Sign-In Sheet		YES		NO		YES

I have reviewed the above bid tabulation and found that B&B Underground Construction, Inc. rounded up few estimated quantities and Southern Underground Industries, Inc. had math and unit price error. The conflicting numbers are presented in red. The price values of the conflicting numbers were calculated and the actual numbers totaled the Grand Total.

The bid tabulation above represents an accurate statement of the bids received.

 6/21/16
Ana C. DeMelo, P.E., D.WRE