



August 24, 2018
October 12, 2018
2
1 Partial Response

Date Bid Posted:
Date Bid Opened:
Bid Submittals:

PRICE ANALYSIS

Bid No. PNC2116455C1
Green Beit Park Irrigation Main Extension
Agency: Aviation Department

Item	Commodity Code Description	Qty	Unit	DBF Construction LLC (low bidder, non-CBE)		Southern Underground Industries, Inc. (recommended bidder; CBE Firm)		Difference % (over low bidder)	Engineer's Cost Estimate		Difference % (over recommended bidder)
				Unit Price	Total Price	Unit Price	Total Price		Unit Price	Total Price	
PNC2116455C1-01-01	BONDS AND INSURANCE	1	lump sum	\$37,000.00	\$ 37,000.00	\$ 65,000.00	\$ 65,000.00	75.7%	-	\$ 63,000.00	-41.3%
PNC2116455C1-01-02	MOBILIZATION / DEMOBILIZATION	1	lump sum	\$37,000.00	\$ 37,000.00	\$ 65,000.00	\$ 65,000.00	75.7%	-	\$ 54,000.00	-31.5%
PNC2116455C1-01-03	INSURANCE AND MOBILIZATION	1	lump sum	\$ 2,500.00	\$ 2,500.00	\$ 165,000.00	\$ 165,000.00	6500.0%	\$ 94,500.00	\$ 94,500.00	-97.4%
PNC2116455C1-01-04	MAINTENANCE OF TRAFFIC	1	lump sum	\$37,000.00	\$ 37,000.00	\$ 20,000.00	\$ 20,000.00	-45.9%	\$ 49,500.00	\$ 49,500.00	-25.9%
PNC2116455C1-01-05	SURVEY	1	lump sum	\$10,000.00	\$ 10,000.00	\$ 23,000.00	\$ 23,000.00	130.0%	\$ 40,000.00	\$ 40,000.00	-50.0%
PNC2116455C1-01-06	TESTING	1	lump sum	\$10,000.00	\$ 10,000.00	\$ 23,000.00	\$ 23,000.00	130.0%	\$ 15,000.00	\$ 15,000.00	-33.3%
PNC2116455C1-01-07	2 inch PVC (WHITE) CLASS 200 SDR 21	241	linear foot	\$ 28.50	\$ 6,868.50	\$ 17.00	\$ 4,097.00	-40.4%	\$ 4.11	\$ 990.51	593.4%
PNC2116455C1-01-08	2.5 inch PVC (WHITE) CLASS 200 SDR 21	281	linear foot	\$ 29.00	\$ 8,149.00	\$ 17.00	\$ 4,777.00	-41.4%	\$ 5.70	\$ 1,601.70	408.8%
PNC2116455C1-01-09	4 inch PVC (WHITE) C900 SDR 18	1237	linear foot	\$ 28.50	\$ 35,254.50	\$ 26.00	\$ 32,162.00	-8.8%	\$ 14.59	\$ 18,047.83	95.3%
PNC2116455C1-01-10	6 inch PVC (WHITE) C900 SDR 18	58	linear foot	\$ 35.50	\$ 2,059.00	\$ 97.00	\$ 5,626.00	173.2%	\$ 21.95	\$ 1,273.10	61.7%
PNC2116455C1-01-11	8 inch PVC (WHITE) C900 SDR 18	5046	linear foot	\$ 34.50	\$ 174,087.00	\$ 47.00	\$ 237,162.00	36.2%	\$ 31.17	\$ 157,283.82	10.7%
PNC2116455C1-01-12	12 inches PVC (WHITE) C900 SDR 18	30	linear foot	\$ 50.00	\$ 1,500.00	\$ 84.00	\$ 2,520.00	68.0%	\$ 53.70	\$ 1,611.00	-6.9%
PNC2116455C1-01-13	10 inch CASING W/ 6 inch CARRIER (HDPE) DIRECTIONAL DRILL	292	linear foot	\$ 192.00	\$ 56,064.00	\$ 260.00	\$ 75,920.00	35.4%	\$ 104.01	\$ 30,370.92	84.6%
PNC2116455C1-01-14	16 inch CASING W/ 10 inch CARRIER (HDPE)/DIRECTIONAL DRILL	484	linear foot	\$ 284.50	\$ 140,543.00	\$ 310.00	\$ 153,140.00	9.0%	\$ 164.71	\$ 81,366.74	72.7%
PNC2116455C1-01-15	12 inch STEEL CASING W/ 8 inch DIP CARRIER JACK AND BORE	310	linear foot	\$ 585.00	\$ 181,350.00	\$ 580.00	\$ 179,800.00	-0.9%	\$ 158.88	\$ 49,252.80	268.2%
PNC2116455C1-01-16	VENT PIPE MANHOLE	4	each	\$ 5,360.00	\$ 21,440.00	\$ 15,000.00	\$ 60,000.00	179.9%	\$ 5,521.25	\$ 22,085.00	-2.9%
PNC2116455C1-01-17	ROAD BADGED ESCORT	40	hour	\$ 251.00	\$ 10,040.00	\$ 130.00	\$ 5,200.00	-48.2%	-	\$ 11,358.00	-11.0%
PNC2116455C1-01-18	FIRE SAFETY	24	hour	\$ 251.00	\$ 6,024.00	\$ 250.00	\$ 6,000.00	-0.4%	-	\$ 11,358.00	-47.0%
PNC2116455C1-01-19	CONNECT TO EXISTING IRRIGATION LINE	9	each	\$ 347.00	\$ 3,123.00	\$ 2,400.00	\$ 21,600.00	205.7%	\$ 1,388.20	\$ 12,493.80	-43.5%
PNC2116455C1-01-20	4 inches by 4 inches DIP CROSS	1	each	\$ 347.00	\$ 347.00	\$ 1,000.00	\$ 1,000.00	188.2%	\$ 780.86	\$ 780.86	-55.6%
PNC2116455C1-01-21	8 inch by 4 inch DIP TEE	1	each	\$ 354.00	\$ 354.00	\$ 1,100.00	\$ 1,100.00	210.7%	\$ 1,656.38	\$ 1,656.38	-78.6%
PNC2116455C1-01-22	8 inch by 2 inch DIP TEE	4	each	\$ 390.00	\$ 1,560.00	\$ 1,100.00	\$ 4,400.00	182.1%	\$ 1,656.38	\$ 6,625.52	-76.5%
PNC2116455C1-01-23	4 inch DUCTILE IRON ELBOW	15	each	\$ 190.00	\$ 2,850.00	\$ 510.00	\$ 7,650.00	168.4%	\$ 372.29	\$ 5,584.35	-49.0%
PNC2116455C1-01-24	8 inch DUCTILE IRON ELBOW	51	each	\$ 280.00	\$ 14,280.00	\$ 700.00	\$ 35,700.00	150.0%	\$ 883.40	\$ 45,053.40	-68.3%
PNC2116455C1-01-25	2 inch GATE VALVE	5	each	\$ 522.00	\$ 2,610.00	\$ 880.00	\$ 4,400.00	68.6%	\$ 1,356.65	\$ 6,783.25	-61.5%
PNC2116455C1-01-26	2.5 inch GATE VALVE	1	each	\$ 941.00	\$ 941.00	\$ 1,300.00	\$ 1,300.00	38.2%	\$ 1,198.90	\$ 1,198.90	-21.5%
PNC2116455C1-01-27	4 inch GATE VALVE	4	each	\$ 821.00	\$ 3,284.00	\$ 1,300.00	\$ 5,200.00	58.3%	\$ 1,924.55	\$ 7,698.20	-57.3%
PNC2116455C1-01-28	6 inch GATE VALVE	1	each	\$ 999.00	\$ 999.00	\$ 1,500.00	\$ 1,500.00	50.2%	\$ 3,249.65	\$ 3,249.65	-69.3%
PNC2116455C1-01-29	8 inch GATE VALVE	6	each	\$ 1,542.00	\$ 9,252.00	\$ 2,000.00	\$ 12,000.00	29.7%	\$ 5,300.40	\$ 31,802.40	-70.9%
PNC2116455C1-01-30	4 inch by 2 inch DIP REDUCER	1	each	\$ 217.00	\$ 217.00	\$ 510.00	\$ 510.00	135.0%	\$ 468.52	\$ 468.52	-53.7%
PNC2116455C1-01-31	4 inch by 2.5 inch DIP REDUCER	1	each	\$ 320.00	\$ 320.00	\$ 560.00	\$ 560.00	75.0%	\$ 552.13	\$ 552.13	-42.0%
PNC2116455C1-01-32	8 inch by 6 inch DIP REDUCER	1	each	\$ 244.00	\$ 244.00	\$ 770.00	\$ 770.00	215.6%	\$ 654.66	\$ 654.66	-62.7%
PNC2116455C1-01-33	AUTOMATIC AIR RELEASE VALVE	6	each	\$ 2,004.00	\$ 12,024.00	\$ 5,400.00	\$ 32,400.00	169.5%	\$ 441.70	\$ 2,650.20	353.7%
PNC2116455C1-01-34	TYPE F CURB AND GUTTER	45	linear foot	\$ 138.00	\$ 6,210.00	\$ 61.00	\$ 2,745.00	-55.8%	\$ 21.77	\$ 979.65	533.9%
PNC2116455C1-01-35	PAVEMENT MARKING AND REFLECTIVE PAVEMENT MARKERS	21	linear foot	\$ 143.00	\$ 3,003.00	\$ 56.00	\$ 1,176.00	-60.8%	\$ 15.78	\$ 331.38	806.2%
PNC2116455C1-01-36	REMOVE EXISTING PAVEMENT	826	square yard	\$ 3.00	\$ 2,478.00	\$ 5.00	\$ 4,130.00	66.7%	\$ 23.66	\$ 19,543.16	-87.3%
PNC2116455C1-01-37	PAVEMENT CUT	826	square yard	\$ 23.50	\$ 19,411.00	\$ 74.00	\$ 61,124.00	214.9%	\$ 39.44	\$ 32,577.44	-40.4%
PNC2116455C1-01-38	TOPSOIL AND SOD	6351	square yard	\$ 8.75	\$ 55,571.25	\$ 18.00	\$ 114,318.00	105.7%	\$ 15.78	\$ 100,218.78	-44.6%
PNC2116455C1-01-39	FINISH ROCK	994	square yard	\$ 12.75	\$ 12,673.50	\$ 38.00	\$ 37,720.00	198.0%	\$ 33.44	\$ 33,239.36	-61.9%
PNC2116455C1-01-40	DEWATERING	31	day	\$ 150.00	\$ 4,650.00	\$ 1,200.00	\$ 37,200.00	700.0%	-	\$ 63,100.00	-92.8%
PNC2116455C1-01-41	SUBSURFACE UTILITY ENGINEERING	26	each	\$ 110.00	\$ 2,860.00	\$ 610.00	\$ 15,860.00	454.5%	-	\$ 10,096.00	-71.7%
PNC2116455C1-01-42	STORM WATER POLLUTION PREVENTION	17700	linear foot	\$ 0.50	\$ 8,850.00	\$ 3.10	\$ 54,770.00	520.0%	-	\$ 15,775.00	-43.9%
PNC2116455C1-01-43	SOIL REMOVAL/REPLACEMENT	360	cubic yard	\$ 9.00	\$ 3,240.00	\$ 130.00	\$ 46,800.00	1344.0%	-	\$ 12,620.00	-74.3%
PNC2116455C1-01-44	TREE PROTECTION FENCE	3200	linear foot	\$ 0.50	\$ 1,600.00	\$ 6.10	\$ 19,520.00	1120.0%	\$ 6.31	\$ 20,192.00	-92.1%
PNC2116455C1-01-45	TREE RELOCATION	21	each	\$ 1,000.00	\$ 21,000.00	\$ 1,300.00	\$ 27,300.00	30.0%	\$ 1,577.50	\$ 33,127.50	-36.6%
PNC2116455C1-01-46	MAXIMUM COMPUTER	1	each	\$21,340.00	\$ 21,340.00	\$ 68,000.00	\$ 68,000.00	218.7%	\$ 31,550.00	\$ 31,550.00	-32.4%



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				Unit Price	Total Price	Unit Price	Total Price		Unit Price	Total Price	
PNC2116455C1-01-47	MAXICOM PROGRAMMING AND TRAINING	1	each	\$ 5,020.00	\$ 5,020.00	\$ 19,000.00	\$ 19,000.00	278.5%	\$ 12,620.00	\$ 12,620.00	-60.2%
PNC2116455C1-01-48	UPGRADE IRRIGATION PUMP STATION	1	each	\$60,000.00	\$ 60,000.00	\$ 79,000.00	\$ 79,000.00	31.7%	\$ 63,100.00	\$ 63,100.00	-4.9%
PNC2116455C1-01-49	CLUSTER CONTROL UNIT(CCU)	1	each	\$ 9,715.00	\$ 9,715.00	\$ 40,000.00	\$ 40,000.00	311.7%	\$ 18,930.00	\$ 18,930.00	-48.7%
PNC2116455C1-01-50	WEATHER STATION	1	each	\$20,350.00	\$ 20,350.00	\$ 33,000.00	\$ 33,000.00	62.2%	\$ 18,930.00	\$ 18,930.00	7.5%
PNC2116455C1-01-51	REMOVE EXISTING CONTROLLER	1	each	\$ 4,400.00	\$ 4,400.00	\$ 6,100.00	\$ 6,100.00	38.6%	\$ 6,310.00	\$ 6,310.00	-30.3%
PNC2116455C1-01-52	BOOSTER PUMP STATION	1	each	\$59,000.00	\$ 59,000.00	\$ 82,000.00	\$ 82,000.00	39.0%	\$ 50,480.00	\$ 50,480.00	16.9%
PNC2116455C1-01-53	RAIN BIRD ESP 24SATLS	1	each	\$ 3,176.00	\$ 3,176.00	\$ 9,300.00	\$ 9,300.00	192.9%	\$ 12,620.00	\$ 12,620.00	-74.8%
PNC2116455C1-01-54	RAIN BIRD ESP 40SATLS	1	each	\$ 4,950.00	\$ 4,950.00	\$ 12,000.00	\$ 12,000.00	142.4%	\$ 12,620.00	\$ 12,620.00	-60.8%
PNC2116455C1-01-55	WIRES FROM NEW ESP 40SATLS TO EXISTING SOLAR CONTROLLER	14200	linear foot	\$ 1.25	\$ 17,750.00	\$ 6.10	\$ 86,620.00	388.0%	\$ 1.89	\$ 26,838.00	-33.9%
PNC2116455C1-01-56	RAIN GAUGE	1	each	\$ 890.00	\$ 890.00	\$ 1,700.00	\$ 1,700.00	91.0%	\$ 1,262.00	\$ 1,262.00	-29.5%
PNC2116455C1-01-57	RAIN BIRD ESP 24SATLS	2	each	\$ 3,175.00	\$ 6,350.00	\$ 9,300.00	\$ 18,600.00	192.9%	\$ 12,620.00	\$ 25,240.00	-74.8%
PNC2116455C1-01-58	OPTIONAL IRRIGATION PUMP STATION FILTRATION SYSTEM	1	each	\$38,535.00	\$ 38,535.00	\$ 50,000.00	\$ 50,000.00	29.8%	\$ 6,310.00	\$ 6,310.00	510.7%
PNC2116455C1-01-59	ELECTRICAL METER	1	each	\$ 5,000.00	\$ 5,000.00	\$ 6,100.00	\$ 6,100.00	22.0%	\$ 6,310.00	\$ 6,310.00	-20.8%
PNC2116455C1-01-60	ELECTRICAL PANEL	1	each	\$ 3,000.00	\$ 3,000.00	\$ 19,000.00	\$ 19,000.00	533.3%	\$ 9,465.00	\$ 9,465.00	-68.3%
PNC2116455C1-01-61	TRANSIENT VOLTAGE SURGE SUPPRESSOR	1	each	\$ 4,000.00	\$ 4,000.00	\$ 610.00	\$ 610.00	-84.8%	\$ 6,593.95	\$ 6,593.95	-39.3%
PNC2116455C1-01-62	WEATHER PROOF GROUND FAULT INTERRUPTER	1	each	\$ 4,000.00	\$ 4,000.00	\$ 130.00	\$ 130.00	-96.8%	\$ 631.00	\$ 631.00	533.9%
PNC2116455C1-01-63	RECEPTACLE	1	each	\$ 3,000.00	\$ 3,000.00	\$ 3,500.00	\$ 3,500.00	16.7%	\$ 3,155.00	\$ 3,155.00	-4.9%
PNC2116455C1-01-64	200 AMP 2 POLE HEAVY DUTY NEMA 4 SAFETY SWITCH	10	linear foot	\$ 60.00	\$ 600.00	\$ 11.00	\$ 110.00	-81.7%	\$ 6.69	\$ 66.90	796.9%
PNC2116455C1-01-65	1/2 inch CONDUIT	20	linear foot	\$ 48.00	\$ 960.00	\$ 14.00	\$ 280.00	-70.8%	\$ 20.00	\$ 400.00	140.0%
PNC2116455C1-01-66	2 inch CONDUIT	960	linear foot	\$ 26.50	\$ 25,440.00	\$ 26.00	\$ 24,960.00	-1.9%	\$ 35.34	\$ 33,926.40	-25.0%
PNC2116455C1-01-67	3 inch CONDUIT	1	each	\$ 1,000.00	\$ 1,000.00	\$ 1,900.00	\$ 1,900.00	90.0%	\$ 1,893.00	\$ 1,893.00	-47.2%
PNC2116455C1-01-68	UNISTRUT SUPPORT RACK	1	each	\$ 2,000.00	\$ 2,000.00	\$ 4,300.00	\$ 4,300.00	115.0%	\$ 1,893.00	\$ 1,893.00	5.7%
PNC2116455C1-01-69	CONCRETE BASE	5800	linear foot	\$ 5.00	\$ 29,000.00	\$ 6.10	\$ 35,380.00	22.0%	\$ 11.11	\$ 64,438.00	-55.0%
PNC2116455C1-01-70	350 KCMIL WIRE	10	linear foot	\$ 35.00	\$ 350.00	\$ 10.00	\$ 100.00	-71.4%	\$ 6.18	\$ 61.80	466.3%
PNC2116455C1-01-71	#3/0 WIRE	65	linear foot	\$ 35.00	\$ 2,275.00	\$ 8.00	\$ 520.00	-77.1%	\$ 4.42	\$ 287.30	691.9%
PNC2116455C1-01-72	#1/0 WIRE	12	linear foot	\$ 35.00	\$ 420.00	\$ 5.00	\$ 60.00	-85.7%	\$ 0.69	\$ 8.28	4972.5%
PNC2116455C1-01-73	#6 WIRE	35	linear foot	\$ 35.00	\$ 1,225.00	\$ 3.80	\$ 133.00	-89.1%	\$ 1.58	\$ 55.30	2115.2%
PNC2116455C1-01-74	#10 WIRE	35	linear foot	\$ 35.00	\$ 1,225.00	\$ 3.20	\$ 112.00	-90.9%	\$ 0.82	\$ 28.70	4168.3%
PNC2116455C1-01-75	STAINLESS STEEL UNISTRUT SUPPORT RACK	1	each	\$ 1,500.00	\$ 1,500.00	\$ 2,500.00	\$ 2,500.00	66.7%	\$ 3,155.00	\$ 3,155.00	-52.5%
PNC2116455C1-01-76	3/4 inch by 10 foot GROUND ROD	1	each	\$ 1,000.00	\$ 1,000.00	\$ 370.00	\$ 370.00	-63.0%	\$ 190.56	\$ 190.56	424.8%
PNC2116455C1-01-77	BITUMASTIC PAINT APPLIED	1	each	\$ 550.00	\$ 550.00	\$ 610.00	\$ 610.00	10.9%	\$ 3,155.00	\$ 3,155.00	-82.6%
PNC2116455C1-01-78	PULLBOXES	3	each	\$ 1,500.00	\$ 4,500.00	\$ 740.00	\$ 2,220.00	-50.7%	\$ 1,577.50	\$ 4,732.50	-4.9%
	PERMITTING FEES AND REGULATORY AGENCY FEES	Allowance			\$ 19,000.00		\$ 19,000.00				
	Total:				\$ 1,346,293.75		\$ 2,314,524.00	71.9%		\$ 1,617,448.60	-16.8%

Note: DBF Construction, LLC total award amount is 16.8% lower than the original engineer's estimated cost.

Prepared by Michal Durden