SAN ANTONIO INTERNATIONAL AIRPORT
TERMINAL AREA TAXIWAY IMPROVEMENTS (PACKAGE 3)

Kimley-Horn and Associates, Inc.

Date Prepared: July 1, 2015 (revised)

BASE BID

ENGINEER'S OPINION OF PROBABLE COST & BID TABS

Item	Specification Number	Bid Item Description	Quantity	Unit	Engineer's Estimate Unit Price	Engineer's Estimate Amount		Jordan Foster Construction Unit Price	Jordan Foster Construction Amount	% Difference to Eng. Est.		Spaw Glass Civil Construction, Inc. Unit Price	Spaw Glass Civil Construction, Inc. Amount	% Difference to Eng. Est.		J3 Company, LLC Unit Price	J3 Company, LLC Amount	% Difference to Eng. Est.		Bid Analysis Average Unit Price	Lowest Bid	Highest Bid	% Difference of Average to Eng. Est.
						$ 2,531,300.00			$ 2,698,000.00								$ 7,102,000.00						
		BASE BID				$ 353,900.00			$ 738,000.00				$ 841,724.88				$ 1,375,000.00						
BASE BID							6.94%				4.5%				7.5%				7.1%				
1	100.1	Mobilization/Demobilization	1	LS	$ 138,700.00	$ 138,700.00	5.20%	$ 100,000.00	$ 100,000.00	27.90%	3.02%	$ 225,000.00	$ 225,000.00	-62.22%	6.88%	$ 100,000.00	$ 100,000.00	27.90%	2.84%	$ 141,666.67	$ 100,000.00	$ 225,000.00	102.14%
2	100.2	Insurance and Bonds	1	LS	$ 46,300.00	$ 46,300.00	1.74%	$ 100,000.00	$ 100,000.00	-115.98%	3.02%	$ 64,629.71	64629.71	-39.59%	1.97%	$ 100,000.00	$ 100,000.00	-115.98%	2.84%	$ 88,209.90	$ 64,629.71	$ 100,000.00	190.52%
3	100.3	Airside Safety and Security / Traffic Control	1	LS	$ 46,300.00	$ 46,300.00	1.74%	$ 300,000.00	$ 300,000.00	-547.95%	9.06%	$ 321,314.04	321314.04	-593.98%	9.82%	$ 800,000.00	$ 800,000.00	-1627.86%	22.74%	$ 473,771.35	$ 300,000.00	$ 800,000.00	1023.26%
4	101.1	Preparing Right-of-Way	1	LS	$ 46,300.00	$ 46,300.00	1.74%	$ 50,000.00	$ 50,000.00	-7.99%	1.51%	$ 20,584.63	20584.63	55.54%	0.63%	$ 150,000.00	$ 150,000.00	-223.97%	4.26%	$ 73,528.21	$ 20,584.63	$ 150,000.00	158.81%
5	540.1	Storm Water Pollution Prevention Plan	1	LS	$ 15,000.00	$ 15,000.00	0.56%	$ 18,000.00	$ 18,000.00	-20.00%	0.54%	$ 27,483.71	27483.71	-83.22%	0.84%	$ 50,000.00	$ 50,000.00	-233.33%	1.42%	$ 31,827.90	$ 18,000.00	$ 50,000.00	212.19%
6	GP 60-05	Field Office and Curing Facilities	1	LS	$ 15,000.00	$ 15,000.00	0.56%	$ 20,000.00	$ 20,000.00	-33.33%	0.60%	$ 101,676.24	101676.24	-577.84%	3.11%	$ 75,000.00	$ 75,000.00	-400.00%	2.13%	$ 65,558.75	$ 20,000.00	$ 101,676.24	437.06%
7	P-100-2.1	Contractor Quality Control	1	LS	$ 46,300.00	$ 46,300.00	1.74%	$ 150,000.00	$ 150,000.00	-223.97%	4.53%	$ 81,036.55	81036.55	-75.02%	2.48%	$ 100,000.00	$ 100,000.00	-115.98%	2.84%	$ 110,345.52	$ 81,036.55	$ 150,000.00	238.33%
8	P-101-5.1	Portland Cement Concrete Pavement Removal, Including Thickened Edge and Reinforcement	1,150	SY	$ 20.00	$ 23,000.00		$ 20.00	$ 23,000.00	0.00%		$ 18.61	21401.5	6.95%		$ 20.00	$ 23,000.00	0.00%		$ 19.54	$ 18.61	$ 20.00	97.68%
9	P-101-5.2	Bituminous Pavement Removal	3,700	SY	$ 15.00	$ 55,500.00		$ 13.50	$ 49,950.00	10.00%		$ 7.51	27787	49.93%		$ 6.00	$ 22,200.00	60.00%		$ 9.00	$ 6.00	$ 13.50	60.02%
10	P-101-5.3	Cement-Treated Base Removal	4,850	SY	$ 8.50	$ 41,225.00		$ 15.00	$ 72,750.00	-76.47%		$ 9.02	43747	-6.12%		$ 10.00	$ 48,500.00	-17.65%		$ 11.34	$ 9.02	$ 15.00	133.41%
11	P-101-5.4	Concrete Pavement Saw Cut (Full Depth)	980.00	LF	$ 12.00	$ 11,760.00		$ 7.00	$ 6,860.00	41.67%		$ 25.33	24823.4	-111.08%		$ 20.00	$ 19,600.00	-66.67%		$ 17.44	$ 7.00	$ 25.33	145.36%
12	P-101-5.5	AC Pavement Saw Cut	70	LF	$ 5.00	$ 350.00		$ 4.00	$ 280.00	20.00%		$ 29.25	2047.5	-485.00%		$ 20.00	$ 1,400.00	-300.00%		$ 17.75	$ 4.00	$ 29.25	355.00%
13	P-101-5.6	Mill Portland Cement Concrete Pavement (Varies, 0 - 2" Depth)	1,350	SY	$ 30.00	$ 40,500.00		$ 19.00	$ 25,650.00	36.67%		$ 13.21	17833.5	55.97%		$ 15.00	$ 20,250.00	50.00%		$ 15.74	$ 13.21	$ 19.00	52.46%
14	P-151-4.1	Clearing and Grubbing	1	AC	$ 3,000.00	$ 4,200.00		$ 15,000.00	$ 21,000.00	-400.00%		$ 18,068.17	25295.438	-502.27%		$ 2,000.00	$ 2,800.00	33.33%		$ 11,689.39	$ 2,000.00	$ 18,068.17	389.65%
15	P-151-4.2	Remove Existing Storm Drain Pipe	110	LF	$ 50.00	$ 5,500.00		$ 88.00	$ 9,680.00	-76.00%		$ 71.46	7860.6	-42.92%		$ 90.00	$ 9,900.00	-80.00%		$ 83.15	$ 71.46	$ 90.00	166.31%
16	P-151-4.3	Remove Existing Catch Basin or Manhole	3	EA	$ 1,000.00	$ 3,000.00		$ 1,150.00	$ 3,450.00	-15.00%		$ 1,997.35	5992.05	-99.74%		$ 2,000.00	$ 6,000.00	-100.00%		$ 1,715.78	$ 1,150.00	$ 2,000.00	171.58%
17	P-152-4.1	Unclassified Excavation	7,130	CY	$ 17.50	$ 124,775.00		$ 18.50	$ 131,905.00	-5.71%		$ 24.67	175897.1	-40.97%		$ 17.00	$ 121,210.00	2.86%		$ 20.06	$ 17.00	$ 24.67	114.61%
18	P-155-8.1	Lime-Treated Subgrade (6" Depth)	12,010	SY	$ 3.00	$ 36,030.00		$ 3.10	$ 37,231.00	-3.33%		$ 5.57	66895.7	-85.67%		$ 1.50	$ 18,015.00	50.00%		$ 3.39	$ 1.50	$ 5.57	113.00%
19	P-155-8.2	Lime	260	Ton	$ 160.00	$ 41,600.00		$ 165.00	$ 42,900.00	-3.13%		$ 208.55	54223	-30.34%		$ 150.00	$ 39,000.00	6.25%		$ 174.52	$ 150.00	$ 208.55	109.07%
20	P-208-5.1	Aggregate Base Course, 13" Depth	5,210	SY	$ 35.00	$ 182,350.00		$ 50.00	$ 260,500.00	-42.86%		$ 26.91	140201.1	23.11%		$ 20.00	$ 104,200.00	42.86%		$ 32.30	$ 20.00	$ 50.00	92.30%
21	P-208-5.2	Temporary Aggregate Base Course, 8" Depth	760	SY	$ 20.00	$ 15,200.00		$ 26.00	$ 19,760.00	-30.00%		$ 27.47	20877.2	-37.35%		$ 18.00	$ 13,680.00	10.00%		$ 23.82	$ 18.00	$ 27.47	119.12%
22	P-209-5.1	Crushed Aggregate Base Course, 6" Depth	6,160	SY	$ 15.00	$ 92,400.00		$ 17.50	$ 107,800.00	-16.67%		$ 14.30	88088	4.67%		$ 10.00	$ 61,600.00	33.33%		$ 13.93	$ 10.00	$ 17.50	92.89%
23	P-304-8.2	Cement-Treated Base Course, 12" Depth	6,160	SY	$ 42.00	$ 258,720.00		$ 61.00	$ 375,760.00	-45.24%		$ 42.54	262046.4	-1.29%		$ 65.00	$ 400,400.00	-54.76%		$ 56.18	$ 42.54	$ 65.00	133.76%
24	P-401-8.1	Temporary Bituminous Pavment (2" - 5" Surface Course)	1,700	Ton	$ 175.00	$ 297,500.00		$ 130.00	$ 221,000.00	25.71%		$ 163.38	277746	6.64%		$ 100.00	$ 170,000.00	42.86%		$ 131.13	$ 100.00	$ 163.38	74.93%
25	P-403-8.1	HMA Pavement (3" Surface Course)	630	Ton	$ 175.00	$ 110,250.00		$ 145.00	$ 91,350.00	17.14%		$ 155.35	97870.5	11.23%		$ 150.00	$ 94,500.00	14.29%		$ 150.12	$ 145.00	$ 155.35	85.78%
26	P-403-8.2	Temporary HMA Pavment (9" Base Course)	370	Ton	$ 175.00	$ 64,750.00		$ 138.00	$ 51,060.00	21.14%		$ 172.92	63980.4	1.19%		$ 120.00	$ 44,400.00	31.43%		$ 143.64	$ 120.00	$ 172.92	82.08%
27	P-501-8.1	Portland Cement Concrete Pavement, 16"	5,840	SY	$ 100.00	$ 584,000.00		$ 116.00	$ 677,440.00	-16.00%		$ 106.99	624821.6	-6.99%		$ 95.00	$ 554,800.00	5.00%		$ 106.00	$ 95.00	$ 116.00	106.00%
28	P-604-6.1	Preformed Sealer, 1/2-inch Joint	5,230	LF	$ 4.50	$ 23,535.00		$ 5.25	$ 27,457.50	-16.67%		$ 4.54	23744.2	-0.89%		$ 4.00	$ 20,920.00	11.11%		$ 4.60	$ 4.00	$ 5.25	102.15%
29	P-604-6.2	Preformed Sealer, 1-inch Joint	480	LF	$ 5.00	$ 2,400.00		$ 11.50	$ 5,520.00	-130.00%		$ 17.01	8164.8	-240.20%		$ 7.00	$ 3,360.00	-40.00%		$ 11.84	$ 7.00	$ 17.01	236.73%
30	P-604-6.3	Hot Applied Edge Seal	960.00	LF	$ 2.50	$ 2,400.00		$ 4.00	$ 3,840.00	-60.00%		$ 6.80	6528	-172.00%		$ 3.00	$ 2,880.00	-20.00%		$ 4.60	$ 3.00	$ 6.80	184.00%
31	P-620-5.1	Reflective Yellow Taxiway Pavement Markings, Waterborne	4,600	SF	$ 2.00	$ 9,200.00		$ 2.25	$ 10,350.00	-12.50%		$ 2.44	11224	-22.00%		$ 3.00	$ 13,800.00	-50.00%		$ 2.56	$ 2.25	$ 3.00	128.17%
32	P-620-5.2	Reflective White Runway Pavement Markings, Waterborne	100	SF	$ 2.00	$ 200.00		$ 2.25	$ 225.00	-12.50%		$ 2.44	244	-22.00%		$ 3.00	$ 300.00	-50.00%		$ 2.56	$ 2.25	$ 3.00	128.17%
33	P-620-5.4	Non-Reflective Black Pavement Markings, Waterborne	5,320	SF	$ 1.50	$ 7,980.00		$ 2.00	$ 10,640.00	-33.33%		$ 2.27	12076.4	-51.33%		$ 3.00	$ 15,960.00	-100.00%		$ 2.42	$ 2.00	$ 3.00	161.56%
34	P-620-5.6	Reflective Surface Painted Holding Position Signs, Waterborne	570.00	SF	$ 2.00	$ 1,140.00		$ 2.75	$ 1,567.50	-37.50%		$ 2.83	1613.1	-41.50%		$ 3.00	$ 1,710.00	-50.00%		$ 2.86	$ 2.75	$ 3.00	143.00%
35	P-620-5.8	Pavement Marking Obliteration	2,290	SF	$ 3.50	$ 8,015.00		$ 4.00	$ 9,160.00	-14.29%		$ 3.97	9091.3	-13.43%		$ 4.00	$ 9,160.00	-14.29%		$ 3.99	$ 3.97	$ 4.00	114.00%
36	P-620-5.9	Temporary Reflective Yellow Taxiway Pavement Markings, Waterborne	3,440	SF	$ 2.00	$ 6,880.00		$ 1.25	$ 4,300.00	37.50%		$ 1.36	4678.4	32.00%		$ 2.00	$ 6,880.00	0.00%		$ 1.54	$ 1.25	$ 2.00	76.83%
37	T-901-5.1	Hydro-Mulch Seeding	2	AC	$ 3,000.00	$ 6,120.00		$ 3,000.00	$ 6,120.00	0.00%		$ 4,074.77	8312.5308	-35.83%		$ 3,000.00	$ 6,120.00	0.00%		$ 3,358.26	$ 3,000.00	$ 4,074.77	111.94%
38	T-904-5.1	Sodding	1,830	SY	$ 4.00	$ 7,320.00		$ 8.00	$ 14,640.00	-100.00%		$ 5.28	9662.4	-32.00%		$ 6.00	$ 10,980.00	-50.00%		$ 6.43	$ 5.28	$ 8.00	160.67%
39	T-905-5.1	Topsoiling	650	CY	$ 15.00	$ 9,750.00		$ 30.00	$ 19,500.00	-100.00%		$ 19.53	12694.5	-30.20%		$ 25.00	$ 16,250.00	-66.67%		$ 24.84	$ 19.53	$ 30.00	165.62%
40	D-701-5.1	24" RGRCP, Class V	120	LF	$ 150.00	$ 18,000.00		$ 160.00	$ 19,200.00	-6.67%		$ 102.29	12274.8	31.81%		$ 200.00	$ 24,000.00	-33.33%		$ 154.10	$ 102.29	$ 200.00	102.73%
41	D-701-5.4	Concrete Pipe Collar	1	EA	$ 1,500.00	$ 1,500.00		$ 2,500.00	$ 2,500.00	-66.67%		$ 1,807.93	1807.93	-20.53%		$ 2,000.00	$ 2,000.00	-33.33%		$ 2,102.64	$ 1,807.93	$ 2,500.00	140.18%
42	D-705-5.1	Underdrain System	1	LS	$ 2,500.00	$ 2,500.00		$ 22,000.00	$ 22,000.00	-780.00%		$ 34,929.26	34929.26	-1297.17%		$ 15,000.00	$ 15,000.00	-500.00%		$ 23,976.42	$ 15,000.00	$ 34,929.26	959.06%
43	D-751-5.2	Catch Basins	1	EA	$ 7,000.00	$ 7,000.00		$ 20,000.00	$ 20,000.00	-185.71%		$ 20,940.12	20940.12	-199.14%		$ 20,000.00	$ 20,000.00	-185.71%		$ 20,313.37	$ 20,000.00	$ 20,940.12	290.19%
44	D-751-5.4	In-Pavement Manhole/Inlet	1	EA	$ 12,500.00	$ 12,500.00		$ 5,500.00	$ 5,500.00	56.00%		$ 27,956.68	27956.68	-123.65%		$ 23,000.00	$ 23,000.00	-84.00%		$ 18,818.89	$ 5,500.00	$ 27,956.68	150.55%
45	L-100-5.1	Electrical Demolition	0	LS	$ 80,000.00	$ 20,000.00		$ 20,000.00	$ 5,000.00	75.00%		$ 20,672.24	5168.06	74.16%		$ 50,000.00	$ 12,500.00	37.50%		$ 30,224.08	$ 20,000.00	$ 50,000.00	37.78%
46	L-105-6.1	Temporary Jumper, L-824, Type C, 1/C #6, 5 kV Cable in Conduit	2,000	LF	$ 2.00	$ 4,000.00		$ 1.00	$ 2,000.00	50.00%		$ 0.98	1960	51.00%		$ 1.00	$ 2,000.00	50.00%		$ 0.99	$ 0.98	$ 1.00	49.67%
47	L-105-6.2	Temporary, Surface Mounted Single-way 2" Conduit	1,000	LF	$ 22.00	$ 22,000.00		$ 1.50	$ 1,500.00	93.18%		$ 1.66	1660	92.45%		$ 2.00	$ 2,000.00	90.91%		$ 1.72	$ 1.50	$ 2.00	7.82%
48	L-105-6.3	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in, Duct Bank or Conduit	1,200	LF	$ 2.00	$ 2,400.00		$ 0.80	$ 960.00	60.00%		$ 0.84	1008	58.00%		$ 1.00	$ 1,200.00	50.00%		$ 0.88	$ 0.80	$ 1.00	44.00%
49	L-105-6.5	L-853 Elevated Retroreflective Taxiway Edge Marker	25	EA	$ 250.00	$ 6,250.00		$ 110.00	$ 2,750.00	56.00%		$ 113.39	2834.75	54.64%		$ 100.00	$ 2,500.00	60.00%		$ 107.80	$ 100.00	$ 113.39	43.12%
50	L-105-6.6	Salvage and Reinstall L-862E Runway End/Threshold Light with New Isolation Transformer on Existing Base	4	EA	$ 500.00	$ 2,000.00		$ 400.00	$ 1,600.00	20.00%		$ 425.23	1700.92	14.95%		$ 400.00	$ 1,600.00	20.00%		$ 408.41	$ 400.00	$ 425.23	81.68%
51	L-108-5.1	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in, Duct Bank or Conduit	3,000	LF	$ 2.00	$ 6,000.00		$ 1.10	$ 3,300.00	45.00%		$ 1.13	3390	43.50%		$ 1.00	$ 3,000.00	50.00%		$ 1.08	$ 1.00	$ 1.13	53.83%
52	L-108-5.3	No. 6 AWG, Solid, Bare Counterpoise Wire, Installed in Trench, Above the Duct Bank or Conduit, Including Ground Rods and Ground Connectors	2,300	LF	$ 2.00	$ 4,600.00		$ 2.00	$ 4,600.00	0.00%		$ 1.93	4439	3.50%		$ 2.00	$ 4,600.00	0.00%		$ 1.98	$ 1.93	$ 2.00	98.83%
53	L-110-5.1	Single-way 2" Conduit, Direct Buried	1,540	LF	$ 8.00	$ 12,320.00		$ 13.00	$ 20,020.00	-62.50%		$ 14.41	22191.4	-80.13%		$ 13.00	$ 20,020.00	-62.50%		$ 13.47	$ 13.00	$ 14.41	168.38%
54	L-110-5.4	Single-way 2" Conduit, Concrete Encased	440	LF	$ 12.00	$ 5,280.00		$ 14.00	$ 6,160.00	-16.67%		$ 15.66	6890.4	-30.50%		$ 14.00	$ 6,160.00	-16.67%		$ 14.55	$ 14.00	$ 15.66	121.28%
55	L-110-5.5	Multiple-way (6) 2-inch Conduits, Concrete Encased	70	LF	$ 30.00	$ 2,100.00		$ 70.00	$ 4,900.00	-133.33%		$ 77.11	5397.7	-157.03%		$ 70.00	$ 4,900.00	-133.33%		$ 72.37	$ 70.00	$ 77.11	241.23%

56	L-110-5.6	Multiple-way (4) 2-inch Conduits, Concrete Encased	240	LF	$ 28.00	$ 6,720.00	$ 40.00	$ 9,600.00	-42.86%	$ 41.39	9933.6	-47.82%	$ 37.00	$ 8,880.00	-32.14%	$ 39.46	$ 37.00	$ 41.39	140.94%
57	L-115-5.1	New Concrete Handhole, Type II, Furnished & Installed	2	EA	$ 10,700.00	$ 21,400.00	$ 8,800.00	$ 17,600.00	17.76%	$ 9,717.81	19435.62	9.18%	$ 9,000.00	$ 18,000.00	15.89%	$ 9,172.60	$ 8,800.00	$ 9,717.81	85.73%
58	L-115-5.2	Two-Can Junction Can Plaza, Furnished & Installed	1	EA	$ 2,700.00	$ 2,700.00	$ 3,200.00	$ 3,200.00	-18.52%	$ 3,498.19	3498.19	-29.56%	$ 4,000.00	$ 4,000.00	-48.15%	$ 3,566.06	$ 3,200.00	$ 4,000.00	132.08%
59	L-858-5.2	New Size 3, 2-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	2	EA	$ 6,400.00	$ 12,800.00	$ 4,500.00	$ 9,000.00	29.69%	$ 4,894.06	9788.12	23.53%	$ 5,000.00	$ 10,000.00	21.88%	$ 4,798.02	$ 4,500.00	$ 5,000.00	74.97%
60	L-858-5.3	New Size 3, 3-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	1	EA	$ 7,500.00	$ 7,500.00	$ 6,300.00	$ 6,300.00	16.00%	$ 7,046.27	7046.27	6.05%	$ 7,000.00	$ 7,000.00	6.67%	$ 6,782.09	$ 6,300.00	$ 7,046.27	90.43%
61	L-858-5.4	New Size 3, 4-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	1	EA	$ 9,000.00	$ 9,000.00	$ 7,800.00	$ 7,800.00	13.33%	$ 8,640.57	8640.57	3.99%	$ 8,000.00	$ 8,000.00	11.11%	$ 8,146.86	$ 7,800.00	$ 8,640.57	90.52%
62	L-861T-4.1	New L-861T(L) LED Taxiway Edge Light with New Isolation Transformer on New or Existing Base	26	EA	$ 550.00	$ 14,300.00	$ 400.00	$ 10,400.00	27.27%	$ 430.89	11203.14	21.66%	$ 400.00	$ 10,400.00	27.27%	$ 410.30	$ 400.00	$ 430.89	74.60%
63	L-861T-4.2	Spare L-861T(L) LED Taxiway Edge Light with New Isolation Transformer	6	EA	$ 350.00	$ 2,100.00	$ 350.00	$ 2,100.00	0.00%	$ 354.36	2126.16	-1.25%	$ 400.00	$ 2,400.00	-14.29%	$ 368.12	$ 350.00	$ 400.00	105.18%
64	L-861T-4.4	Salvage and Reinstall L-862 Runway Edge Light with New Isolation Transformer on New or Existing Base	4	EA	$ 500.00	$ 2,000.00	$ 350.00	$ 1,400.00	30.00%	$ 367.40	1469.6	26.52%	$ 400.00	$ 1,600.00	20.00%	$ 372.47	$ 350.00	$ 400.00	74.49%
65	L-867/868-6.1	Size "B" L-867 Base Can for Any New, Reinstalled or Future Fixture in New Asphalt Shoulder	25	EA	$ 700.00	$ 17,500.00	$ 1,100.00	$ 27,500.00	-57.14%	$ 1,224.65	30616.25	-74.95%	$ 1,100.00	$ 27,500.00	-57.14%	$ 1,141.55	$ 1,100.00	$ 1,224.65	163.08%
66	L-867/868-6.3	Size "B" L-868 Base Can – "Standard Installation (New PCCP)"	2	EA	$ 1,400.00	$ 2,800.00	$ 1,500.00	$ 3,000.00	-7.14%	$ 1,626.06	3252.12	-16.15%	$ 1,500.00	$ 3,000.00	-7.14%	$ 1,542.02	$ 1,500.00	$ 1,626.06	110.14%
67	L-867/868-6.8	New Size "B" L-867 Blank Base Can Cover	1	EA	$ 90.00	$ 90.00	$ 100.00	$ 100.00	-11.11%	$ 109.99	109.99	-22.21%	$ 100.00	$ 100.00	-11.11%	$ 103.33	$ 100.00	$ 109.99	114.81%
68	L-867/868-6.9	New Size "B" L-868 Blank Base Can Cover	2	EA	$ 120.00	$ 240.00	$ 115.00	$ 230.00	4.17%	$ 129.27	258.54	-7.73%	$ 120.00	$ 240.00	0.00%	$ 121.42	$ 115.00	$ 129.27	101.19%
69	L-867/868-6.12	Concrete Foundation for 2-Module Sign	2	EA	$ 1,300.00	$ 2,600.00	$ 2,300.00	$ 4,600.00	-76.92%	$ 2,559.29	5118.58	-96.87%	$ 3,000.00	$ 6,000.00	-130.77%	$ 2,619.76	$ 2,300.00	$ 3,000.00	201.52%
70	L-867/868-6.13	Concrete Foundation for 3-Module Sign	1	EA	$ 1,500.00	$ 1,500.00	$ 2,800.00	$ 2,800.00	-86.67%	$ 2,990.18	2990.18	-99.35%	$ 3,000.00	$ 3,000.00	-100.00%	$ 2,930.06	$ 2,800.00	$ 3,000.00	195.34%
71	L-867/868-6.14	Concrete Foundation for 4-Module Sign	1	EA	$ 1,600.00	$ 1,600.00	$ 3,100.00	$ 3,100.00	-0.9375	$ 3,453.96	3453.96	-1.158725	$ 4,000.00	$ 4,000.00	-150.00%	$ 3,517.99	$ 3,100.00	$ 4,000.00	219.87%
					Total Amount	**$ 2,664,750.00**		**$ 3,311,366.00**	**-24.27%**		**$ 3,272,683.41**	**-22.81%**		**$ 3,517,375.00**	-32%	**Average Bid**		**$ 3,367,141.47**	

SAN ANTONIO INTERNATIONAL AIRPORT
TERMINAL AREA TAXIWAY IMPROVEMENTS (PACKAGE 3)

Kimley-Horn and Associates, Inc.

Date Prepared: July 1, 2015 (revised)

BID ALTERNATE 1 — Engineer's Estimate: $ 2,157,200 | Jordan Foster Construction: $ 1,875,000.00 | Spaw Glass Civil Constrcution, Inc.: $ 3,982,792.26 | J3 Company, LLC: $ 5,650,000.00

ENGINEER'S OPINION OF PROBABLE COST & BID TABS

Item	Specification Number	Bid Item Description	Quantity	Unit	Engineer's Estimate Unit Price	Engineer's Estimate Amount		Jordan Foster Construction Unit Price	Jordan Foster Construction Amount	% Difference to Eng. Est.		Spaw Glass Civil Constrcution, Inc. Unit Price	Spaw Glass Civil Constrcution, Inc. Amount	% Difference to Eng. Est.		J3 Company, LLC Unit Price	J3 Company, LLC Amount	% Difference to Eng. Est.		Bid Analysis Average Unit Price	Bid Analysis Lowest Bid	Bid Analysis Highest Bid	% Difference of Average to Eng. Est.
BID ALTERNATE 1							7.08%				0.78%				8.00%				7.13%				
1	100.1	Mobilization/Demobilization	1	LS	911,600.00	$ 911,600.00	5.31%	$ 100,000.00	$ 100,000.00	89.03%	0.52%	$ 1,370,000.00	$ 1,370,000.00	-50.29%	7.25%	$ 1,000,000.00	$ 1,000,000.00	-9.70%	4.75%	$ 823,333.33	$ 100,000.00	$ 1,370,000.00	90.32%
2	100.2	Insurance and Bonds	1	LS	303,900.00	$ 303,900.00	1.77%	$ 120,000.00	$ 120,000.00	60.51%	0.62%	$ 368,927.71	$ 368,927.71	-21.40%	1.95%	$ 300,000.00	$ 300,000.00	1.28%	1.43%	$ 262,975.90	$ 120,000.00	$ 368,927.71	86.53%
3	100.3	Airside Safety and Security / Traffic Control	1	LS	303,900.00	$ 303,900.00	1.77%	$ 1,250,000.00	$ 1,250,000.00	-311.32%	6.47%	$ 1,449,473.65	$ 1,449,473.65	-376.96%	7.67%	$ 2,850,000.00	$ 2,850,000.00	-837.81%	13.54%	$ 1,849,824.55	$ 1,250,000.00	$ 2,850,000.00	608.70%
4	101.1	Preparing Right-of-Way	1	LS	303,900.00	$ 303,900.00	1.77%	$ 50,000.00	$ 50,000.00	83.55%	0.26%	$ 141,411.65	$ 141,411.65	53.47%	0.75%	$ 500,000.00	$ 500,000.00	-64.53%	2.38%	$ 230,470.55	$ 50,000.00	$ 500,000.00	75.84%
5	540.1	Storm Water Pollution Prevention Plan	1	LS	15,000.00	$ 15,000.00	0.09%	$ 20,000.00	$ 20,000.00	-33.33%	0.10%	$ 67,718.51	$ 67,718.51	-351.46%	0.36%	$ 100,000.00	$ 100,000.00	-566.67%	0.48%	$ 62,572.84	$ 20,000.00	$ 100,000.00	417.15%
6	GP 60-05	Field Office and Curing Facilities	1	LS	15,000.00	$ 15,000.00	0.09%	$ 35,000.00	$ 35,000.00	-133.33%	0.18%	$ 197,056.37	$ 197,056.37	-1213.71%	1.04%	$ 200,000.00	$ 200,000.00	-1233.33%	0.95%	$ 144,018.79	$ 35,000.00	$ 200,000.00	960.13%
7	P-100-2.1	Contractor Quality Control	1	LS	303,900.00	$ 303,900.00	1.77%	$ 300,000.00	$ 300,000.00	1.28%	1.55%	$ 388,204.37	$ 388,204.37	-27.74%	2.06%	$ 700,000.00	$ 700,000.00	-130.34%	3.33%	$ 462,734.79	$ 300,000.00	$ 700,000.00	152.27%
8	P-101-5.1	Portland Cement Concrete Pavement Removal, Including Thickened Edge and Reinforcement	40,570	SY	20.00	$ 811,400.00		$ 20.00	$ 811,400.00	0.00%		$ 13.69	$ 555,403.30	31.55%		$ 20.00	$ 811,400.00	0.00%		$ 17.90	$ 13.69	$ 20.00	89.48%
9	P-101-5.2	Bituminous Pavement Removal	13,510	SY	15.00	$ 202,650.00		$ 13.50	$ 182,385.00	10.00%		$ 6.70	$ 90,517.00	55.33%		$ 6.00	$ 81,060.00	60.00%		$ 8.73	$ 6.00	$ 13.50	58.22%
10	P-101-5.3	Cement-Treated Base Removal	54,080	SY	8.50	$ 459,680.00		$ 15.00	$ 811,200.00	-76.47%		$ 9.01	$ 487,260.80	-6.00%		$ 10.00	$ 540,800.00	-17.65%		$ 11.34	$ 9.01	$ 15.00	133.37%
11	P-101-5.4	Concrete Pavement Saw Cut (Full Depth)	2,800	LF	12.00	$ 33,600.00		$ 7.00	$ 19,600.00	41.67%		$ 18.88	$ 52,864.00	-57.33%		$ 15.00	$ 42,000.00	-25.00%		$ 13.63	$ 7.00	$ 18.88	113.56%
12	P-101-5.5	AC Pavement Saw Cut	100	LF	5.00	$ 500.00		$ 4.00	$ 400.00	20.00%		$ 2.61	$ 261.00	47.80%		$ 20.00	$ 2,000.00	-300.00%		$ 8.87	$ 2.61	$ 20.00	177.40%
13	P-101-5.6	Mill Portland Cement Concrete Pavement (Varies, 0 - 2" Depth)	2,420.00	SY	30.00	$ 72,600.00		$ 19.00	$ 45,980.00	36.67%		$ 12.73	$ 30,806.60	57.57%		$ 10.00	$ 24,200.00	66.67%		$ 13.91	$ 10.00	$ 19.00	46.37%
14	P-151-4.1	Clearing and Grubbing	9	AC	3,000.00	$ 25,500.00		$ 10,000.00	$ 85,000.00	-233.33%		$ 11,920.56	$ 101,324.76	-297.35%		$ 2,000.00	$ 17,000.00	33.33%		$ 7,973.52	$ 2,000.00	$ 11,920.56	265.78%
15	P-151-4.2	Remove Existing Storm Drain Pipe	5,300	LF	50.00	$ 265,000.00		$ 50.00	$ 265,000.00	0.00%		$ 26.41	$ 139,973.00	47.18%		$ 90.00	$ 477,000.00	-80.00%		$ 55.47	$ 26.41	$ 90.00	110.94%
16	P-151-4.3	Remove Existing Catch Basin or Manhole	11	EA	1,000.00	$ 11,000.00		$ 1,150.00	$ 12,650.00	-15.00%		$ 1,997.34	$ 21,970.74	-99.73%		$ 2,000.00	$ 22,000.00	-100.00%		$ 1,715.78	$ 1,150.00	$ 2,000.00	171.58%
17	P-152-4.1	Unclassified Excavation	7,140	CY	17.50	$ 124,950.00		$ 24.00	$ 171,360.00	-37.14%		$ 26.94	$ 192,351.60	-53.94%		$ 20.00	$ 142,800.00	-14.29%		$ 23.65	$ 20.00	$ 26.94	135.12%
18	P-155-8.1	Lime-Treated Subgrade (6" Depth)	65,560	SY	3.00	$ 196,680.00		$ 3.15	$ 206,514.00	-5.00%		$ 4.36	$ 285,841.60	-45.33%		$ 1.50	$ 98,340.00	50.00%		$ 3.00	$ 1.50	$ 4.36	100.11%
19	P-155-8.2	Lime	1,420	Ton	160.00	$ 227,200.00		$ 165.00	$ 234,300.00	-3.13%		$ 208.55	$ 296,141.00	-30.34%		$ 150.00	$ 213,000.00	6.25%		$ 174.52	$ 150.00	$ 208.55	109.07%
20	P-208-5.1	Aggregate Base Course, 13" Depth	16,410	SY	35.00	$ 574,350.00		$ 50.00	$ 820,500.00	-42.86%		$ 34.39	$ 564,339.90	1.74%		$ 20.00	$ 328,200.00	42.86%		$ 34.80	$ 20.00	$ 50.00	99.42%
21	P-208-5.2	Temporary Aggregate Base Course, 8" Depth	7,270	SY	20.00	$ 145,400.00		$ 26.00	$ 189,020.00	-30.00%		$ 25.59	$ 186,039.30	-27.95%		$ 18.00	$ 130,860.00	10.00%		$ 23.20	$ 18.00	$ 26.00	115.98%
22	P-209-5.1	Crushed Aggregate Base Course, 6" Depth	50,690	SY	15.00	$ 760,350.00		$ 17.50	$ 887,075.00	-16.67%		$ 13.99	$ 709,153.10	6.73%		$ 10.00	$ 506,900.00	33.33%		$ 13.83	$ 10.00	$ 17.50	92.20%
23	P-304-8.2	Cement-Treated Base Course, 12" Depth	50,690	SY	42.00	$ 2,128,980.00		$ 60.00	$ 3,041,400.00	-42.86%		$ 42.13	$ 2,135,569.70	-0.31%		$ 65.00	$ 3,294,850.00	-54.76%		$ 55.71	$ 42.13	$ 65.00	132.64%
24	P-401-8.1	Temporary Bituminous Pavment (2" - 5" Surface Course)	2,370	Ton	175.00	$ 414,750.00		$ 130.00	$ 308,100.00	25.71%		$ 165.90	$ 393,183.00	5.20%		$ 120.00	$ 284,400.00	31.43%		$ 138.63	$ 120.00	$ 165.90	79.22%
25	P-403-8.1	HMA Pavement (3" Surface Course)	2,600	Ton	175.00	$ 455,000.00		$ 145.00	$ 377,000.00	17.14%		$ 155.35	$ 403,910.00	11.23%		$ 150.00	$ 390,000.00	14.29%		$ 150.12	$ 145.00	$ 155.35	85.78%
26	P-403-8.2	Temporary HMA Pavment (9" Base Course)	3,560	Ton	175.00	$ 623,000.00		$ 138.00	$ 491,280.00	21.14%		$ 181.19	$ 645,036.40	-3.54%		$ 120.00	$ 427,200.00	31.43%		$ 146.40	$ 120.00	$ 181.19	83.66%
27	P-501-8.1	Portland Cement Concrete Pavement, 16"	49,150	SY	100.00	$ 4,915,000.00		$ 116.00	$ 5,701,400.00	-16.00%		$ 99.67	$ 4,898,780.50	0.33%		$ 95.00	$ 4,669,250.00	5.00%		$ 103.56	$ 95.00	$ 116.00	103.56%
28	P-604-6.1	Preformed Sealer, 1/2-inch Joint	43,170	LF	4.50	$ 194,265.00		$ 5.25	$ 226,642.50	-16.67%		$ 4.54	$ 195,991.80	-0.89%		$ 4.00	$ 172,680.00	11.11%		$ 4.60	$ 4.00	$ 5.25	102.15%
29	P-604-6.2	Preformed Sealer, 1-inch Joint	3,310	LF	5.00	$ 16,550.00		$ 11.50	$ 38,065.00	-130.00%		$ 13.61	$ 45,049.10	-172.20%		$ 7.00	$ 23,170.00	-40.00%		$ 10.70	$ 7.00	$ 13.61	214.07%
30	P-604-6.3	Hot Applied Edge Seal	4,680	LF	2.50	$ 11,700.00		$ 4.00	$ 18,720.00	-60.00%		$ 4.54	$ 21,247.20	-81.60%		$ 3.00	$ 14,040.00	-20.00%		$ 3.85	$ 3.00	$ 4.54	153.87%
31	P-620-5.1	Reflective Yellow Taxiway Pavement Markings, Waterborne	19,800.00	SF	2.00	$ 39,600.00		$ 2.25	$ 44,550.00	-12.50%		$ 2.44	$ 48,312.00	-22.00%		$ 3.00	$ 59,400.00	-50.00%		$ 2.56	$ 2.25	$ 3.00	128.17%
32	P-620-5.2	Reflective White Runway Pavement Markings, Waterborne	30,370	SF	2.00	$ 60,740.00		$ 2.25	$ 68,332.50	-12.50%		$ 2.44	$ 74,102.80	-22.00%		$ 3.00	$ 91,110.00	-50.00%		$ 2.56	$ 2.25	$ 3.00	128.17%
33	P-620-5.4	Non-Reflective Black Pavement Markings, Waterborne	22,660	SF	1.50	$ 33,990.00		$ 2.00	$ 45,320.00	-33.33%		$ 2.27	$ 51,438.20	-51.33%		$ 2.00	$ 45,320.00	-33.33%		$ 2.09	$ 2.00	$ 2.27	139.33%
34	P-620-5.6	Reflective Surface Painted Holding Position Signs, Waterborne	1,700	SF	25.00	$ 42,500.00		$ 2.75	$ 4,675.00	89.00%		$ 2.83	$ 4,811.00	88.68%		$ 3.00	$ 5,100.00	88.00%		$ 2.86	$ 2.75	$ 3.00	11.44%
35	P-620-5.7	Non-Reflective Green Infield Pavement Markings, Waterborne	3,300	SF	2.00	$ 6,600.00		$ 2.00	$ 6,600.00	0.00%		$ 2.27	$ 7,491.00	-13.50%		$ 2.00	$ 6,600.00	0.00%		$ 2.09	$ 2.00	$ 2.27	104.50%
36	P-620-5.8	Pavement Marking Obliteration	47,130	SF	3.50	$ 164,955.00		$ 4.00	$ 188,520.00	-14.29%		$ 3.97	$ 187,106.10	-13.43%		$ 2.00	$ 94,260.00	42.86%		$ 3.32	$ 2.00	$ 4.00	94.95%
37	P-620-5.9	Temporary Reflective Yellow Taxiway Pavement Markings, Waterborne	15,510	SF	2.00	$ 31,020.00		$ 1.25	$ 19,387.50	37.50%		$ 1.36	$ 21,093.60	32.00%		$ 2.00	$ 31,020.00	0.00%		$ 1.54	$ 1.25	$ 2.00	76.83%
38	T-901-5.1	Hydro-Mulch Seeding	3.55	AC	3,000.00	$ 10,650.00		$ 3,000.00	$ 10,650.00	0.00%		$ 5,005.68	$ 17,770.16	-66.86%		$ 3,000.00	$ 10,650.00	0.00%		$ 3,668.56	$ 3,000.00	$ 5,005.68	122.29%
39	T-904-5.1	Sodding	6,560	SY	4.00	$ 26,240.00		$ 8.00	$ 52,480.00	-100.00%		$ 5.15	$ 33,784.00	-28.75%		$ 6.00	$ 39,360.00	-50.00%		$ 6.38	$ 5.15	$ 8.00	159.58%
40	T-905-5.1	Topsoiling	1,320	CY	15.00	$ 19,800.00		$ 30.00	$ 39,600.00	-100.00%		$ 15.29	$ 20,182.80	-1.93%		$ 22.00	$ 29,040.00	-46.67%		$ 22.43	$ 15.29	$ 30.00	149.53%
41	D-701-5.1	24" RGRCP, Class V	2,100	LF	150.00	$ 315,000.00		$ 160.00	$ 336,000.00	-6.67%		$ 102.29	$ 214,809.00	31.81%		$ 200.00	$ 420,000.00	-33.33%		$ 154.10	$ 102.29	$ 200.00	102.73%
42	D-701-5.2	36" RGRCP, Class V	565	LF	170.00	$ 96,050.00		$ 200.00	$ 113,000.00	-17.65%		$ 165.57	$ 93,547.05	2.61%		$ 290.00	$ 163,850.00	-70.59%		$ 218.52	$ 165.57	$ 290.00	128.54%
43	D-701-5.3	42" RGRCP, Class V	525	LF	190.00	$ 99,750.00		$ 300.00	$ 157,500.00	-57.89%		$ 242.82	$ 127,480.50	-27.80%		$ 390.00	$ 204,750.00	-105.26%		$ 310.94	$ 242.82	$ 390.00	163.65%
44	D-701-5.4	Concrete Pipe Collar	1	EA	1,500.00	$ 1,500.00		$ 2,500.00	$ 2,500.00	-66.67%		$ 10,464.23	$ 10,464.23	-597.62%		$ 2,200.00	$ 2,200.00	-46.67%		$ 5,054.74	$ 2,200.00	$ 10,464.23	336.98%
45	D-751-5.1	Manholes	2	EA	7,000.00	$ 14,000.00		$ 6,000.00	$ 12,000.00	14.29%		$ 5,727.73	$ 11,455.46	18.18%		$ 18,000.00	$ 36,000.00	-157.14%		$ 9,909.24	$ 5,727.73	$ 18,000.00	141.56%
46	D-751-5.2	Catch Basins	9	EA	7,000.00	$ 63,000.00		$ 20,000.00	$ 180,000.00	-185.71%		$ 20,940.11	$ 188,460.99	-199.14%		$ 20,000.00	$ 180,000.00	-185.71%		$ 20,313.37	$ 20,000.00	$ 20,940.11	290.19%
47	D-751-5.3	Temporary Catch Basins	1	EA	10,000.00	$ 10,000.00		$ 20,000.00	$ 20,000.00	-100.00%		$ 23,451.32	$ 23,451.32	-134.51%		$ 20,000.00	$ 20,000.00	-100.00%		$ 21,150.44	$ 20,000.00	$ 23,451.32	211.50%
48	D-751-5.4	In-Pavement Manhole/Inlet	1	EA	12,500.00	$ 12,500.00		$ 5,500.00	$ 5,500.00	56.00%		$ 27,093.79	$ 27,093.79	-116.75%		$ 12,000.00	$ 12,000.00	4.00%		$ 14,864.60	$ 5,500.00	$ 27,093.79	118.92%
49	L-100-5.1	Electrical Demolition	1	LS	80,000.00	$ 60,000.00		$ 21,000.00	$ 15,750.00	73.75%		$ 10,887.52	$ 8,165.64	86.39%		$ 30,000.00	$ 22,500.00	62.50%		$ 20,629.17	$ 10,887.52	$ 30,000.00	25.79%
50	L-100-5.2	Windcone Relocation	1	LS	5,500.00	$ 5,500.00		$ 4,500.00	$ 4,500.00	18.18%		$ 4,367.92	$ 4,367.92	20.58%		$ 4,000.00	$ 4,000.00	27.27%		$ 4,289.31	$ 4,000.00	$ 4,500.00	77.99%
51	L-100-5.3	ALCMS Modifications (Allowance)	1	LS	20,000.00	$ 20,000.00		$ 20,000.00	$ 20,000.00	0.00%		$ 20,000.00	$ 20,000.00	0.00%		$ 20,000.00	$ 20,000.00	0.00%		$ 20,000.00	$ 20,000.00	$ 20,000.00	100.00%
52	L-100a-3.1	Photometric Testing	1	LS	18,000.00	$ 18,000.00		$ 8,000.00	$ 8,000.00	55.56%		$ 8,561.19	$ 8,561.19	52.44%		$ 8,000.00	$ 8,000.00	55.56%		$ 8,187.06	$ 8,000.00	$ 8,561.19	45.48%
53	L-105-6.1	Temporary Jumper, L-824, Type C, 1/C #6, 5 kV Cable in Conduit	15,000	LF	2.00	$ 30,000.00		$ 1.00	$ 15,000.00	50.00%		$ 0.98	$ 14,700.00	51.00%		$ 1.00	$ 15,000.00	50.00%		$ 0.99	$ 0.98	$ 1.00	49.67%
54	L-105-6.2	Temporary, Surface Mounted Single-way 2" Conduit	5,000	LF	22.00	$ 110,000.00		$ 1.50	$ 7,500.00	93.18%		$ 1.66	$ 8,300.00	92.45%		$ 2.00	$ 10,000.00	90.91%		$ 1.72	$ 1.50	$ 2.00	7.82%
55	L-105-6.3	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in, Duct Bank or Conduit	600	LF	1.60	$ 960.00		$ 0.75	$ 450.00	53.13%		$ 0.84	$ 504.00	47.50%		$ 1.00	$ 600.00	37.50%		$ 0.86	$ 0.75	$ 1.00	53.96%
56	L-105-6.4	Single-way 2" Conduit, Direct Buried	400	LF	8.00	$ 3,200.00		$ 5.00	$ 2,000.00	37.50%		$ 5.67	$ 2,268.00	29.13%		$ 5.00	$ 2,000.00	37.50%		$ 5.22	$ 5.00	$ 5.67	65.29%
57	L-105-6.5	L-853 Elevated Retroreflective Taxiway Edge Marker	14	EA	250.00	$ 3,500.00		$ 450.00	$ 6,300.00	-80.00%		$ 477.39	$ 6,683.46	-90.96%		$ 450.00	$ 6,300.00	-80.00%		$ 459.13	$ 450.00	$ 477.39	183.65%
	L-105-6.6	Temporary Direct Burial Isolation Transformer	10	EA	200.00	$ 2,000.00		$ 250.00	$ 2,500.00	-25.00%		$ 274.41	$ 2,744.10	-37.21%		$ 250.00	$ 2,500.00	-25.00%		$ 258.14	$ 250.00	$ 274.41	129.07%
	L-105-6.7	Temporary Pavement Mounted Taxiway Edge Light & Isolation Transformer	34	EA	500.00	$ 17,000.00		$ 700.00	$ 23,800.00	-40.00%		$ 714.38	$ 24,288.92	-42.88%		$ 650.00	$ 22,100.00	-30.00%		$ 688.13	$ 650.00	$ 714.38	137.63%

	L-105-6.8	Relocate Temporary Pavement Mounted Taxiway Edge Light & Isolation Transformer	13	EA	400.00	$ 5,200.00	$ 450.00	$ 5,850.00	-12.50%	$ 478.52	$ 6,220.76	-19.63%	$ 450.00	$ 5,850.00	-12.50%	$ 459.51	$ 450.00	$ 478.52	114.88%
	L-105-6.9	Temporary Stake Mounted Guidance Sign with Isolation Transformer	4	EA	2,500.00	$ 10,000.00	$ 4,000.00	$ 16,000.00	-60.00%	$ 4,422.34	$ 17,689.36	-76.89%	$ 4,000.00	$ 16,000.00	-60.00%	$ 4,140.78	$ 4,000.00	$ 4,422.34	165.63%
58	L-108-5.1	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in, Duct Bank or Conduit	16,300	LF	2.00	$ 32,600.00	$ 1.10	$ 17,930.00	45.00%	$ 1.13	$ 18,419.00	43.50%	$ 1.00	$ 16,300.00	50.00%	$ 1.08	$ 1.00	$ 1.13	53.83%
59	L-108-5.2	No. 6 AWG, 5 kV, L-824, Type C Cable, Installed in, Duct Bank or Conduit	4,100	LF	2.10	$ 8,610.00	$ 1.15	$ 4,715.00	45.24%	$ 1.29	$ 5,289.00	38.57%	$ 2.00	$ 8,200.00	4.76%	$ 1.48	$ 1.15	$ 2.00	70.48%
60	L-108-5.3	No. 6 AWG, Solid, Bare Counterpoise Wire, Installed in Trench, Above the Duct Bank or Conduit, Including Ground Rods and Ground Connectors	19,500	LF	2.00	$ 39,000.00	$ 2.00	$ 39,000.00	0.00%	$ 1.93	$ 37,635.00	3.50%	$ 2.00	$ 39,000.00	0.00%	$ 1.98	$ 1.93	$ 2.00	98.83%
61	L-110-5.1	Single-way 2" Conduit, Direct Buried	7,020	LF	8.00	$ 56,160.00	$ 13.00	$ 91,260.00	-62.50%	$ 14.41	$ 101,158.20	-80.13%	$ 13.00	$ 91,260.00	-62.50%	$ 13.47	$ 13.00	$ 14.41	168.38%
62	L-110-5.2	Multiple-way (6) 2-inch Conduits, Direct Buried	850	LF	25.00	$ 21,250.00	$ 55.00	$ 46,750.00	-120.00%	$ 57.55	$ 48,917.50	-130.20%	$ 60.00	$ 51,000.00	-140.00%	$ 57.52	$ 55.00	$ 60.00	230.07%
63	L-110-5.3	Multiple-way (4) 4-inch Conduits, Direct Buried	750	LF	35.00	$ 26,250.00	$ 30.00	$ 22,500.00	14.29%	$ 29.82	$ 22,365.00	14.80%	$ 30.00	$ 22,500.00	14.29%	$ 29.94	$ 29.82	$ 30.00	85.54%
64	L-110-5.4	Single-way 2" Conduit, Concrete Encased	7,700	LF	12.00	$ 92,400.00	$ 14.00	$ 107,800.00	-16.67%	$ 15.66	$ 120,582.00	-30.50%	$ 14.00	$ 107,800.00	-16.67%	$ 14.55	$ 14.00	$ 15.66	121.28%
65	L-110-5.5	Multiple-way (6) 2-inch Conduits, Concrete Encased	630	LF	30.00	$ 18,900.00	$ 75.00	$ 47,250.00	-150.00%	$ 77.11	$ 48,579.30	-157.03%	$ 70.00	$ 44,100.00	-133.33%	$ 74.04	$ 70.00	$ 77.11	246.79%
66	L-110-5.6	Multiple-way (4) 2-inch Conduits, Concrete Encased	1,140	LF	28.00	$ 31,920.00	$ 40.00	$ 45,600.00	-42.86%	$ 41.39	$ 47,184.60	-47.82%	$ 40.00	$ 45,600.00	-42.86%	$ 40.46	$ 40.00	$ 41.39	144.51%
67	L-110-5.7	Multiple-way (4) 4-inch Conduits, Concrete Encased	100	LF	38.00	$ 3,800.00	$ 60.00	$ 6,000.00	-57.89%	$ 65.09	$ 6,509.00	-71.29%	$ 60.00	$ 6,000.00	-57.89%	$ 61.70	$ 60.00	$ 65.09	162.36%
68	L-110-5.8	System Drain, (1) 2" Conduit, Concrete Encased	1,310	LF	17.00	$ 22,270.00	$ 15.00	$ 19,650.00	11.76%	$ 16.85	$ 22,073.50	0.88%	$ 15.00	$ 19,650.00	11.76%	$ 15.62	$ 15.00	$ 16.85	91.86%
69	L-115-5.1	New Concrete Handhole, Type II, Furnished & Installed	13	EA	10,700.00	$ 139,100.00	$ 8,600.00	$ 111,800.00	19.63%	$ 9,717.81	$ 126,331.53	9.18%	$ 9,000.00	$ 117,000.00	15.89%	$ 9,105.94	$ 8,600.00	$ 9,717.81	85.10%
70	L-115-5.2	Two-Can Junction Can Plaza, Furnished & Installed	7	EA	2,700.00	$ 18,900.00	$ 3,100.00	$ 21,700.00	-14.81%	$ 3,498.18	$ 24,487.26	-29.56%	$ 4,000.00	$ 28,000.00	-48.15%	$ 3,532.73	$ 3,100.00	$ 4,000.00	130.84%
71	L-850-4.1	New In-pavement L-850C Runway Edge Light with New Isolation Transformer on New Base	3	EA	1,000.00	$ 3,000.00	$ 1,250.00	$ 3,750.00	-25.00%	$ 1,368.66	$ 4,105.98	-36.87%	$ 1,300.00	$ 3,900.00	-30.00%	$ 1,306.22	$ 1,250.00	$ 1,368.66	130.62%
72	L-852-4.1	Salvage and Reinstall In-pavement L-852 Light with New Isolation Transformer on New or Existing Base	2	EA	400.00	$ 800.00	$ 450.00	$ 900.00	-12.50%	$ 497.80	$ 995.60	-24.45%	$ 450.00	$ 900.00	-12.50%	$ 465.93	$ 450.00	$ 497.80	116.48%
73	L-858-5.1	New Size 3, 1-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	1	EA	3,500.00	$ 3,500.00	$ 2,900.00	$ 2,900.00	17.14%	$ 3,249.86	$ 3,249.86	7.15%	$ 3,000.00	$ 3,000.00	14.29%	$ 3,049.95	$ 2,900.00	$ 3,249.86	87.14%
74	L-858-5.2	New Size 3, 2-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	17	EA	6,400.00	$ 108,800.00	$ 4,400.00	$ 74,800.00	31.25%	$ 4,894.06	$ 83,199.02	23.53%	$ 4,500.00	$ 76,500.00	29.69%	$ 4,598.02	$ 4,400.00	$ 4,894.06	71.84%
75	L-858-5.3	New Size 3, 3-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	4	EA	7,500.00	$ 30,000.00	$ 6,500.00	$ 26,000.00	13.33%	$ 7,046.26	$ 28,185.04	6.05%	$ 6,500.00	$ 26,000.00	13.33%	$ 6,682.09	$ 6,500.00	$ 7,046.26	89.09%
76	L-858-5.4	New Size 3, 4-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	6	EA	9,000.00	$ 54,000.00	$ 7,800.00	$ 46,800.00	13.33%	$ 8,640.57	$ 51,843.42	3.99%	$ 8,000.00	$ 48,000.00	11.11%	$ 8,146.86	$ 7,800.00	$ 8,640.57	90.52%
77	L-858-5.5	New Size 2, 2-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	2	EA	3,500.00	$ 7,000.00	$ 3,000.00	$ 6,000.00	14.29%	$ 3,212.43	$ 6,424.86	8.22%	$ 3,000.00	$ 6,000.00	14.29%	$ 3,070.81	$ 3,000.00	$ 3,212.43	87.74%
78	L-858-5.6	New Size 2, 3-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	2	EA	4,500.00	$ 9,000.00	$ 4,500.00	$ 9,000.00	0.00%	$ 4,982.51	$ 9,965.02	-10.72%	$ 4,500.00	$ 9,000.00	0.00%	$ 4,660.84	$ 4,500.00	$ 4,982.51	103.57%
79	L-861T-4.1	New L-861T(L) LED Taxiway Edge Light with New Isolation Transformer on New or Existing Base	112	EA	550.00	$ 61,600.00	$ 400.00	$ 44,800.00	27.27%	$ 430.89	$ 48,259.68	21.66%	$ 400.00	$ 44,800.00	27.27%	$ 410.30	$ 400.00	$ 430.89	74.60%
80	L-861T-4.2	Spare L-861T(L) LED Taxiway Edge Light with New Isolation Transformer	20	EA	350.00	$ 7,000.00	$ 325.00	$ 6,500.00	7.14%	$ 354.35	$ 7,087.00	-1.24%	$ 400.00	$ 8,000.00	-14.29%	$ 359.78	$ 325.00	$ 400.00	102.80%
81	L-861T-4.5	Salvage and Reinstall existing L-804 Runway Guard Light with New Isolation Transformer on New Base	1	EA	600.00	$ 600.00	$ 450.00	$ 450.00	25.00%	$ 453.58	$ 453.58	24.40%	$ 400.00	$ 400.00	33.33%	$ 434.53	$ 400.00	$ 453.58	72.42%
82	L-867/868-6.1	Size "B" L-867 Base Can for Any New, Reinstalled or Future Fixture in New Asphalt Shoulder	107	EA	700.00	$ 74,900.00	$ 1,100.00	$ 117,700.00	-57.14%	$ 1,224.65	$ 131,037.55	-74.95%	$ 1,100.00	$ 117,700.00	-57.14%	$ 1,141.55	$ 1,100.00	$ 1,224.65	163.08%
83	L-867/868-6.3	Size “B" L-868 Base Can – “Standard Installation (New PCCP)”	40	EA	1,400.00	$ 56,000.00	$ 1,500.00	$ 60,000.00	-7.14%	$ 1,626.06	$ 65,042.40	-16.15%	$ 1,500.00	$ 60,000.00	-7.14%	$ 1,542.02	$ 1,500.00	$ 1,626.06	110.14%
84	L-867/868-6.4	Size “B" L-868 Base Can – “Core Drill New PCCP” Installation at Joint or Sawcut	4	EA	3,000.00	$ 12,000.00	$ 2,500.00	$ 10,000.00	16.67%	$ 2,783.81	$ 11,135.24	7.21%	$ 2,500.00	$ 10,000.00	16.67%	$ 2,594.60	$ 2,500.00	$ 2,783.81	86.49%
85	L-867/868-6.6	Size “B" L-868 Base Can – “Diamond Leave-out”	3	EA	6,000.00	$ 18,000.00	$ 1,900.00	$ 5,700.00	68.33%	$ 2,092.11	$ 6,276.33	65.13%	$ 2,000.00	$ 6,000.00	66.67%	$ 1,997.37	$ 1,900.00	$ 2,092.11	33.29%
86	L-867/868-6.7	Size "D" L-867 Junction Can	3	EA	1,600.00	$ 4,800.00	$ 1,200.00	$ 3,600.00	25.00%	$ 1,349.38	$ 4,048.14	15.66%	$ 1,200.00	$ 3,600.00	25.00%	$ 1,249.79	$ 1,200.00	$ 1,349.38	78.11%
87	L-867/868-6.8	New Size "B" L-867 Blank Base Can Cover	1	EA	90.00	$ 90.00	$ 100.00	$ 100.00	-11.11%	$ 109.99	$ 109.99	-22.21%	$ 100.00	$ 100.00	-11.11%	$ 103.33	$ 100.00	$ 109.99	114.81%
88	L-867/868-6.9	New Size "B" L-868 Blank Base Can Cover	40	EA	120.00	$ 4,800.00	$ 115.00	$ 4,600.00	4.17%	$ 129.27	$ 5,170.80	-7.73%	$ 120.00	$ 4,800.00	0.00%	$ 121.42	$ 115.00	$ 129.27	101.19%
89	L-867/868-6.10	L-868 to L-867 Adaptor Ring	4	EA	150.00	$ 600.00	$ 260.00	$ 1,040.00	-73.33%	$ 283.49	$ 1,133.96	-88.99%	$ 250.00	$ 1,000.00	-66.67%	$ 264.50	$ 250.00	$ 283.49	176.33%
90	L-867/868-6.11	Concrete Foundation for 1-Module Sign	1	EA	1,200.00	$ 1,200.00	$ 2,000.00	$ 2,000.00	-66.67%	$ 2,233.85	$ 2,233.85	-86.15%	$ 2,000.00	$ 2,000.00	-66.67%	$ 2,077.95	$ 2,000.00	$ 2,233.85	173.16%
91	L-867/868-6.12	Concrete Foundation for 2-Module Sign	13	EA	1,300.00	$ 16,900.00	$ 2,300.00	$ 29,900.00	-76.92%	$ 2,559.29	$ 33,270.77	-96.87%	$ 2,500.00	$ 32,500.00	-92.31%	$ 2,453.10	$ 2,300.00	$ 2,559.29	188.70%
92	L-867/868-6.13	Concrete Foundation for 3-Module Sign	1	EA	1,500.00	$ 1,500.00	$ 2,800.00	$ 2,800.00	-86.67%	$ 2,990.18	$ 2,990.18	-99.35%	$ 3,000.00	$ 3,000.00	-100.00%	$ 2,930.06	$ 2,800.00	$ 3,000.00	195.34%
93	L-867/868-6.14	Concrete Foundation for 4-Module Sign	5	EA	1,600.00	$ 8,000.00	$ 3,100.00	$ 15,500.00	-93.75%	$ 3,458.50	$ 17,292.50	-116.16%	$ 3,500.00	$ 17,500.00	-118.75%	$ 3,352.83	$ 3,100.00	$ 3,500.00	209.55%
94	L-867/868-6.15	Sign Base Assembly in New PCCP, Any Single Sign Array	4	EA	2,100.00	$ 8,400.00	$ 2,600.00	$ 10,400.00	-23.81%	$ 2,936.89	$ 11,747.56	-39.85%	$ 3,000.00	$ 12,000.00	-42.86%	$ 2,845.63	$ 2,600.00	$ 3,000.00	135.51%
						$ 17,164,210.00	**Total Amount**	**$ 19,321,451.50**	**-12.57%**		**$ 18,887,944.23**	**-10.04%**		**$ 21,041,770.00**	-23%	**Average Bid**		**$ 19,750,388.58**	

SAN ANTONIO INTERNATIONAL AIRPORT
TERMINAL AREA TAXIWAY IMPROVEMENTS (PACKAGE 3)

Kimley-Horn and Associates, Inc.

Date Prepared: July 1, 2015 (revised)

BID ALTERNATE 2 — Engineer's Estimate: $ 20,200.00 | Jordan Foster Construction: $ 85,000.00 | Spaw Glass Civil Constrcution, Inc.: $ 195,560.66 | J3 Company, LLC: $ 77,000.00

ENGINEER'S OPINION OF PROBABLE COST & BID TABS

Item	Specification Number	Bid Item Description	Quantity	Unit	Engineer's Estimate Unit Price	Engineer's Estimate Amount		Jordan Foster Construction Unit Price	Jordan Foster Construction Amount	Jordan Foster Construction % Difference to Eng. Est.		Spaw Glass Civil Constrcution, Inc. Unit Price	Spaw Glass Civil Constrcution, Inc. Amount	Spaw Glass Civil Constrcution, Inc. % Difference to Eng. Est.		J3 Company, LLC Unit Price	J3 Company, LLC Amount	J3 Company, LLC % Difference to Eng. Est.		Bid Analysis Average Unit Price	Bid Analysis Lowest Bid	Bid Analysis Highest Bid	Bid Analysis % Difference of Average to Eng. Est.
BID ALTERNATE 2							6.74%				12.12%				8.82%				10.07%				
1	100.1	Mobilization/Demobilization	1	LS	10,000.00	$ 10,000.00		$ 10,000.00	$ 10,000.00	0.00%		$ 28,000.00	$ 28,000.00	-180.00%		$ 10,000.00	$ 10,000.00	0.00%		$ 16,000.00	$ 10,000.00	$ 28,000.00	160.00%
2	100.2	Insurance and Bonds	1	LS	3,400.00	$ 3,400.00		$ 5,000.00	$ 5,000.00	-47.06%		$ 8,185.71	$ 8,185.71	-140.76%		$ 4,000.00	$ 4,000.00	-17.65%		$ 5,728.57	$ 4,000.00	$ 8,185.71	168.49%
3	100.3	Airside Safety and Security / Traffic Control	1	LS	3,400.00	$ 3,400.00		$ 50,000.00	$ 50,000.00	-1370.59%		$ 154,374.94	$ 154,374.94	-4440.44%		$ 48,000.00	$ 48,000.00	-1311.76%		$ 84,124.98	$ 48,000.00	$ 154,374.94	2474.26%
4	P-100-2.1	Contractor Quality Control	1	LS	3,400.00	$ 3,400.00		$ 20,000.00	$ 20,000.00	-488.24%		$ 5,000.01	$ 5,000.01	-47.06%		$ 15,000.00	$ 15,000.00	-341.18%		$ 13,333.34	$ 5,000.01	$ 20,000.00	392.16%
5	L-108-5.1	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in, Duct Bank or Conduit	1,200	LF	2.00	$ 2,400.00		$ 1.10	$ 1,320.00	45.00%		$ 1.13	$ 1,356.00	43.50%		$ 1.00	$ 1,200.00	50.00%		$ 1.08	$ 1.00	$ 1.13	53.83%
6	L-858-5.2	New Size 3, 2-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	13	EA	6,400.00	$ 83,200.00		$ 4,400.00	$ 57,200.00	31.25%		$ 4,894.06	$ 63,622.78	23.53%		$ 4,500.00	$ 58,500.00	29.69%		$ 4,598.02	$ 4,400.00	$ 4,894.06	71.84%
7	L-858-5.3	New Size 3, 3-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	7	EA	7,500.00	$ 52,500.00		$ 6,500.00	$ 45,500.00	13.33%		$ 7,046.26	$ 49,323.82	6.05%		$ 7,000.00	$ 49,000.00	6.67%		$ 6,848.75	$ 6,500.00	$ 7,046.26	91.32%
8	L-858-5.4	Replace Size 3, 1-Module Sign Panel	13	EA	1,000.00	$ 13,000.00		$ 700.00	$ 9,100.00	30.00%		$ 788.08	$ 10,245.04	21.19%		$ 2,500.00	$ 32,500.00	-150.00%		$ 1,329.36	$ 700.00	$ 2,500.00	132.94%
9	L-867/868-6.12	Concrete Foundation for 2-Module Sign	13	EA	1,300.00	$ 16,900.00		$ 2,300.00	$ 29,900.00	-76.92%		$ 2,559.29	$ 33,270.77	-96.87%		$ 700.00	$ 9,100.00	46.15%		$ 1,853.10	$ 700.00	$ 2,559.29	142.55%
10	L-867/868-6.13	Concrete Foundation for 3-Module Sign	7	EA	1,500.00	$ 10,500.00		$ 2,800.00	$ 19,600.00	-86.67%		$ 2,990.18	$ 20,931.26	-99.35%		$ 3,000.00	$ 21,000.00	-100.00%		$ 2,930.06	$ 2,800.00	$ 3,000.00	195.34%
					Total Amount	**$ 198,700.00**		**Total Amount**	**$ 247,620.00**	**-24.62%**			**$ 374,310.33**	**-88.38%**			**$ 248,300.00**	**-24.96%**		**Average Bid**		**$ 290,076.78**	