

CONSTRUCTION COSTS ESTIMATE (BASE BID WITH ALTERNATES)

	Engineers Estimate	J3 Company LLC	Texas Sterling	Spaw Glass Civil Constrcution, Inc.	Weber, LLC
<u>BASE BID</u>	\$ 4,228,047.00	\$ 5,405,041.00	\$ 4,682,748.53	\$ 4,802,080.48	\$ 6,366,682.61
<u>BID ALTERNATE 1</u>	\$ 3,736,270.00	\$ 3,365,210.00	\$ 3,478,344.01	\$ 3,446,821.35	\$ 4,617,197.40
<u>BID ALTERNATE 2</u>	\$ 3,538,825.00	\$ 3,032,980.00	\$ 3,672,006.72	\$ 3,866,928.10	\$ 4,474,268.79
<u>BID ALTERNATE 3</u>	\$ 4,185,390.00	\$ 3,469,590.00	\$ 3,915,390.00	\$ 3,985,382.82	\$ 4,746,233.05
<u>BID ALTERNATE 4</u>	\$ 457,580.00	\$ 310,020.00	\$ 563,743.92	\$ 750,534.50	\$ 681,772.66
TOTAL CONSTRUCTION COSTS	\$ 16,146,112.00	\$ 15,582,841.00	\$ 16,312,233.18	\$ 16,851,747.25	\$ 20,886,154.51

Mobilization & Preparing of Right of Way

	Engineers Estimate	J3 Company LLC	Texas Sterling	Spaw Glass Civil Constrcution, Inc.	Weber, LLC
<u>BASE BID</u>	8.33%	20.35%	7.47%	23.61%	13.84%
<u>BID ALTERNATE 1</u>	8.30%	0.59%	7.91%	13.71%	13.23%
<u>BID ALTERNATE 2</u>	9.10%	0.66%	7.35%	27.55%	13.96%
<u>BID ALTERNATE 3</u>	8.94%	0.58%	6.39%	18.49%	13.70%
<u>BID ALTERNATE 4</u>	7.85%	0.65%	10.64%	26.92%	14.67%
TOTAL PERCENTAGE	8.64%	7.46%	7.39%	21.42%	14.68%

56	L-861T-4.1	New L-861T(L) LED Taxiway Edge Light with New Isolation Transformer on New or Existing Base	20	EA	\$ 550.00	\$ 11,000.00
57	L-861T-4.2	Spare L-861T(L) LED Taxiway Edge Light with New Isolation Transformer	4	EA	\$ 350.00	\$ 1,400.00
58	L-861T-4.3	Salvage and Reinstall L-861T (Quartz) Taxiway Edge Light with New Isolation Transformer on New or Existing Base	9	EA	\$ 200.00	\$ 1,800.00
59	L-861T-4.4	Salvage and Reinstall L-862 Runway Edge Light with New Isolation Transformer on New or Existing Base	1	EA	\$ 500.00	\$ 500.00
60	L-861T-4.5	Salvage and Reinstall existing L-804 Runway Guard Light with New Isolation Transformer on New Base	2	EA	\$ 600.00	\$ 1,200.00
61	L-867/868-6.1	Size "B" L-867 Base Can for Any New, Reinstalled or Future Fixture in New Asphalt Shoulder	29	EA	\$ 700.00	\$ 20,300.00
62	L-867/868-6.2	Size "B" L-867 Base Can for Any New, Reinstalled or Future Fixture in Non-Paved Shoulder	1	EA	\$ 2,500.00	\$ 2,500.00
63	L-867/868-6.3	Size "B" L-868 Base Can -- "Standard Installation (New PCCP)"	70	EA	\$ 1,400.00	\$ 98,000.00
64	L-867/868-6.4	Size "B" L-868 Base Can -- "Core Drill New PCCP" Installation at Joint or Sawcut	7	EA	\$ 3,000.00	\$ 21,000.00
65	L-867/868-6.6	Size "B" L-868 Base Can -- "Diamond Leave-out"	1	EA	\$ 6,000.00	\$ 6,000.00
66	L-867/868-6.8	New Size "B" L-867 Blank Base Can Cover	2	EA	\$ 90.00	\$ 180.00
67	L-867/868-6.9	New Size "B" L-868 Blank Base Can Cover	37	EA	\$ 120.00	\$ 4,440.00
68	L-867/868-6.10	L-868 to L-867 Adaptor Ring	2	EA	\$ 150.00	\$ 300.00
69	L-867/868-6.13	Concrete Foundation for 3-Module Sign	3	EA	\$ 1,500.00	\$ 4,500.00
70	L-867/868-6.14	Concrete Foundation for 4-Module Sign	2	EA	\$ 1,600.00	\$ 3,200.00
Total Amount					\$ 4,228,047.00	

\$ 550.00	\$ 11,000.00	0.00%
\$ 500.00	\$ 2,000.00	-42.86%
\$ 400.00	\$ 3,600.00	-100.00%
\$ 500.00	\$ 500.00	0.00%
\$ 450.00	\$ 900.00	25.00%
\$ 900.00	\$ 26,100.00	-28.57%
\$ 1,000.00	\$ 1,000.00	60.00%
\$ 1,400.00	\$ 98,000.00	0.00%
\$ 3,200.00	\$ 22,400.00	-6.67%
\$ 1,400.00	\$ 1,400.00	76.67%
\$ 80.00	\$ 160.00	11.11%
\$ 150.00	\$ 5,550.00	-25.00%
\$ 100.00	\$ 200.00	33.33%
\$ 2,000.00	\$ 6,000.00	-33.33%
\$ 2,000.00	\$ 4,000.00	-25.00%
\$ 5,405,041.00		-27.84%

\$ 387.17	7743.4	29.61%
\$ 324.08	1296.32	7.41%
\$ 275.41	2478.69	-37.71%
\$ 326.75	326.75	34.65%
\$ 317.89	635.78	47.02%
\$ 646.35	18744.15	7.66%
\$ 705.85	705.85	71.77%
\$ 954.57	66819.9	31.82%
\$ 2,296.44	16075.08	23.45%
\$ 1,442.23	1442.23	75.96%
\$ 81.22	162.44	9.76%
\$ 105.38	3899.06	12.18%
\$ 81.85	163.7	45.43%
\$ 1,539.30	4617.9	-2.62%
\$ 1,709.40	3418.8	-6.84%
\$ 4,682,748.53		-10.75%

\$ 416.50	\$ 8,330.00	24.27%
\$ 348.50	\$ 1,394.00	0.43%
\$ 296.00	\$ 2,664.00	-48.00%
\$ 351.50	\$ 351.50	29.70%
\$ 342.00	\$ 684.00	43.00%
\$ 695.00	\$ 20,155.00	0.71%
\$ 759.00	\$ 759.00	69.64%
\$ 1,027.00	\$ 71,890.00	26.64%
\$ 2,470.00	\$ 17,290.00	17.67%
\$ 1,551.00	\$ 1,551.00	74.15%
\$ 87.25	\$ 174.50	3.06%
\$ 113.50	\$ 4,199.50	5.42%
\$ 88.00	\$ 176.00	41.33%
\$ 1,656.00	\$ 4,968.00	-10.40%
\$ 1,839.00	\$ 3,678.00	-14.94%
\$ 4,802,080.48		-13.58%

\$ 430.00	\$ 8,600.00	21.82%
\$ 360.00	\$ 1,440.00	-2.86%
\$ 306.00	\$ 2,754.00	-53.00%
\$ 363.00	\$ 363.00	27.40%
\$ 353.00	\$ 706.00	41.17%
\$ 717.00	\$ 20,793.00	-2.43%
\$ 783.00	\$ 783.00	68.68%
\$ 1,059.00	\$ 74,130.00	24.36%
\$ 2,548.00	\$ 17,836.00	15.07%
\$ 1,600.00	\$ 1,600.00	73.33%
\$ 90.00	\$ 180.00	0.00%
\$ 117.00	\$ 4,329.00	2.50%
\$ 91.00	\$ 182.00	39.33%
\$ 1,708.00	\$ 5,124.00	-13.87%
\$ 1,897.00	\$ 3,794.00	-18.56%
\$ 6,366,682.61		-51%

\$ 445.92	\$ 387.17	\$ 550.00	81.08%
\$ 383.15	\$ 324.08	\$ 500.00	109.47%
\$ 319.35	\$ 275.41	\$ 400.00	159.68%
\$ 385.31	\$ 326.75	\$ 500.00	77.06%
\$ 365.72	\$ 317.89	\$ 450.00	60.95%
\$ 739.59	\$ 646.35	\$ 900.00	105.66%
\$ 811.96	\$ 705.85	\$ 1,000.00	32.48%
\$ 1,110.14	\$ 954.57	\$ 1,400.00	79.30%
\$ 2,628.61	\$ 2,296.44	\$ 3,200.00	87.62%
\$ 1,498.31	\$ 1,400.00	\$ 1,600.00	24.97%
\$ 84.62	\$ 80.00	\$ 90.00	94.02%
\$ 121.47	\$ 105.38	\$ 150.00	101.23%
\$ 90.21	\$ 81.85	\$ 100.00	60.14%
\$ 1,725.83	\$ 1,539.30	\$ 2,000.00	115.06%
\$ 1,861.35	\$ 1,709.40	\$ 2,000.00	116.33%
Average Bid		\$ 5,314,138.16	

Date Prepared: June 24, 2014

BID ALTERNATE 4

ENGINEER'S OPINION OF PROBABLE COST & BID TABS

Item Number	Specification	Bid Item Description	Quantity	Unit	Engineer's Estimate	
					Unit Price	Amount
BID ALTERNATE 4						
1	100.1	Mobilization/Demobilization	1	LS	22,200.00	\$ 22,200.00
2	100.2	Insurance and Bonds	1	LS	7,400.00	\$ 7,400.00
3	100.3	Airside Safety and Security / Traffic Control	1	LS	7,400.00	\$ 7,400.00
4	101.1	Preparing Right-of-Way	1	LS	13,700.00	\$ 13,700.00
5	540.1	Storm Water Pollution Prevention Plan	1	LS	15,000.00	\$ 15,000.00
6	GP 60-05	Field Office and Curing Facilities	1	LS	15,000.00	\$ 15,000.00
7	P-100-2.1	Contractor Quality Control	1	LS	7,400.00	\$ 7,400.00
8	P-101-5.1	Portland Cement Concrete Pavement Removal, Including Thickened Edge and Reinforcement	1,360	SY	20.00	\$ 27,200.00
9	P-101-5.3	Cement-Treated Base Removal	1,360	SY	8.50	\$ 11,560.00
10	P-101-5.4	Concrete Pavement Saw Cut (Full Depth)	1,000	LF	12.00	\$ 12,000.00
11	P-152-4.1	Unclassified Excavation	300	CY	17.50	\$ 5,250.00
12	P-155-8.1	Lime-Treated Subgrade (6" Depth)	1,360	SY	3.00	\$ 4,080.00
13	P-155-8.2	Lime	30	Ton	160.00	\$ 4,800.00
14	P-209-5.2	Crushed Aggregate Base Course (Depth Varies - 6" to 9")	1,360	SY	17.50	\$ 23,800.00
15	P-304-8.2	Cement-Treated Base Course, 12" Depth	1,360	SY	42.00	\$ 57,120.00
16	P-501-8.1a	Portland Cement Concrete Pavement, 16"	1,360	SY	100.00	\$ 136,000.00
17	P-604-7.1	Preformed Sealer, 1/2-inch Joint	1,930	LF	4.50	\$ 8,685.00
18	P-620-5.1	Reflective Yellow Taxiway Pavement Markings, Waterborne	290	SF	2.00	\$ 580.00
19	P-620-5.4	Non-Reflective Black Pavement Markings, Waterborne	570	SF	1.50	\$ 855.00
20	D-705-5.1	Underdrain System	1	LS	25,000.00	\$ 25,000.00
21	L-100-5.3	Electrical Demolition	0.10	LS	200,000.00	\$ 20,000.00
22	L-108-5.1	L-824, Type C, 1/C #8, 5 kV Cable	1,000	LF	2.00	\$ 2,000.00
23	L-108-5.3	Bare, 1/C #6, Counterpoise Cable	500	LF	2.75	\$ 1,375.00
24	L-110-5.3	Single-way 2" Conduit, Concrete Encased	450	LF	11.50	\$ 5,175.00
25	L-852-4.1	Salvage and Reinstall In-pavement L-852 Light with New Isolation Transformer on New or Existing Base	4	EA	400.00	\$ 1,600.00
26	L-867/868-6.3	Size "B" L-868 Base Can - "Standard Installation (New PCCP)"	7	EA	1,400.00	\$ 9,800.00
27	L-867/868-6.6	Size "B" L-868 Base Can - "Diamond Leave-out"	2	EA	6,000.00	\$ 12,000.00
28	L-867/868-6.9	New Size "B" L-868 Blank Base Can Cover	5	EA	120.00	\$ 600.00
Total Amount					\$	457,580.00

J3 Company LLC		
Unit Price	Amount	% Difference to Eng. Est.
\$ 1,000.00	\$ 1,000.00	95.50%
\$ 1,000.00	\$ 1,000.00	86.49%
\$ 1,000.00	\$ 1,000.00	86.49%
\$ 1,000.00	\$ 1,000.00	92.70%
\$ 100.00	\$ 100.00	99.33%
\$ 1,000.00	\$ 1,000.00	93.33%
\$ 10,000.00	\$ 10,000.00	-35.14%
\$ 20.00	\$ 27,200.00	0.00%
\$ 10.00	\$ 13,600.00	-17.65%
\$ 12.00	\$ 12,000.00	0.00%
\$ 15.00	\$ 4,500.00	14.29%
\$ 1.50	\$ 2,040.00	50.00%
\$ 150.00	\$ 4,500.00	6.25%
\$ 10.00	\$ 13,600.00	42.86%
\$ 50.00	\$ 68,000.00	-19.05%
\$ 83.00	\$ 112,880.00	17.00%
\$ 4.00	\$ 7,720.00	11.11%
\$ 3.00	\$ 870.00	-50.00%
\$ 3.00	\$ 1,710.00	-100.00%
\$ 5,000.00	\$ 5,000.00	80.00%
\$ 30,000.00	\$ 3,000.00	85.00%
\$ 1.00	\$ 1,000.00	50.00%
\$ 2.00	\$ 1,000.00	27.27%
\$ 8.00	\$ 3,600.00	30.43%
\$ 300.00	\$ 1,200.00	25.00%
\$ 1,000.00	\$ 7,000.00	28.57%
\$ 2,000.00	\$ 4,000.00	66.67%
\$ 100.00	\$ 500.00	16.67%
Total Amount		\$ 310,020.00

Texas Sterling		
Unit Price	Amount	% Difference to Eng. Est.
\$ 20,000.00	\$ 20,000.00	9.91%
\$ 5,000.00	\$ 5,000.00	32.43%
\$ 60,000.00	\$ 60,000.00	-710.81%
\$ 40,000.00	\$ 40,000.00	-191.97%
\$ 30,000.00	\$ 30,000.00	-100.00%
\$ 10,000.00	\$ 10,000.00	33.33%
\$ 15,000.00	\$ 15,000.00	-102.70%
\$ 14.00	\$ 19,040.00	30.00%
\$ 14.00	\$ 19,040.00	-64.71%
\$ 22.47	\$ 22,470.00	-87.25%
\$ 31.16	\$ 9,348.00	-78.06%
\$ 17.26	\$ 23,473.60	-475.33%
\$ 170.81	\$ 5,124.30	-6.76%
\$ 22.36	\$ 30,409.60	-27.77%
\$ 40.12	\$ 54,563.20	4.48%
\$ 95.00	\$ 129,200.00	5.00%
\$ 18.36	\$ 35,434.80	-308.00%
\$ 2.00	\$ 580.00	0.00%
\$ 2.00	\$ 1,140.00	-33.33%
\$ 14,161.38	\$ 14,161.38	43.35%
\$ 27,234.30	\$ 2,723.43	86.38%
\$ 1.04	\$ 1,040.00	48.00%
\$ 1.32	\$ 660.00	52.00%
\$ 8.60	\$ 3,870.00	25.22%
\$ 293.89	\$ 1,175.56	26.53%
\$ 982.67	\$ 6,878.69	29.81%
\$ 1,442.23	\$ 2,884.46	75.96%
\$ 105.38	\$ 526.90	12.18%
Total Amount		\$ 563,743.92

Spaw Glass Civil Construction, Inc.		
Unit Price	Amount	% Difference to Eng. Est.
\$ 112,400.00	\$ 112,400.00	-406.31%
\$ 11,580.00	\$ 11,580.00	-56.49%
\$ 70,220.00	\$ 70,220.00	-848.92%
\$ 89,680.00	\$ 89,680.00	-554.60%
\$ 2,096.00	\$ 2,096.00	86.03%
\$ 8,277.00	\$ 8,277.00	44.82%
\$ 12,690.00	\$ 12,690.00	-71.49%
\$ 53.00	\$ 72,080.00	-165.00%
\$ 53.00	\$ 72,080.00	-523.53%
\$ 8.80	\$ 8,800.00	26.67%
\$ 21.25	\$ 6,375.00	-21.43%
\$ 9.05	\$ 12,308.00	-201.67%
\$ 166.00	\$ 4,980.00	-3.75%
\$ 15.75	\$ 21,420.00	10.00%
\$ 43.75	\$ 59,500.00	-4.17%
\$ 104.00	\$ 141,440.00	-4.00%
\$ 4.15	\$ 8,009.50	7.78%
\$ 2.25	\$ 652.50	-12.50%
\$ 2.25	\$ 1,282.50	-50.00%
\$ 13,440.00	\$ 13,440.00	46.24%
\$ 29,290.00	\$ 2,929.00	85.36%
\$ 1.10	\$ 1,100.00	45.00%
\$ 1.40	\$ 700.00	49.09%
\$ 9.25	\$ 4,162.50	19.57%
\$ 316.00	\$ 1,264.00	21.00%
\$ 1,057.00	\$ 7,399.00	24.50%
\$ 1,551.00	\$ 3,102.00	74.15%
\$ 113.50	\$ 567.50	5.42%
Total Amount		\$ 750,534.50

Weber, LLC			
Unit Price	Amount	% Difference to Eng. Est.	
\$ 80,000.00	\$ 80,000.00	-260.36%	
\$ 19,000.00	\$ 19,000.00	-156.76%	
\$ 182,366.00	\$ 182,366.00	-2364.41%	
\$ 20,000.00	\$ 20,000.00	-45.99%	
\$ 2,416.00	\$ 2,416.00	83.89%	
\$ 18,221.00	\$ 18,221.00	-21.47%	
\$ 55,486.00	\$ 55,486.00	-649.81%	
\$ 23.00	\$ 31,280.00	-15.00%	
\$ 7.00	\$ 9,520.00	17.65%	
\$ 7.50	\$ 7,500.00	37.50%	
\$ 23.00	\$ 6,900.00	-31.43%	
\$ 6.50	\$ 8,840.00	-116.67%	
\$ 161.00	\$ 4,830.00	-0.63%	
\$ 10.00	\$ 13,600.00	42.86%	
\$ 46.00	\$ 62,560.00	-9.52%	
\$ 85.00	\$ 115,600.00	15.00%	
\$ 4.50	\$ 8,685.00	0.00%	
\$ 2.38	\$ 2.00	\$ 3.00	118.75%
\$ 2.25	\$ 1,282.50	-50.00%	
\$ 11,022.00	\$ 11,022.00	55.91%	
\$ 30,176.60	\$ 3,017.66	84.91%	
\$ 1.25	\$ 1,250.00	37.50%	
\$ 1.50	\$ 750.00	45.45%	
\$ 9.50	\$ 4,275.00	17.39%	
\$ 326.00	\$ 1,304.00	18.50%	
\$ 1,090.00	\$ 7,630.00	22.14%	
\$ 1,600.00	\$ 3,200.00	73.33%	
\$ 117.00	\$ 585.00	2.50%	
Total Amount		\$ 681,772.66	

Bid Analysis				
Average Unit Price	Lowest Bid	Highest Bid	% Difference of Average to Eng. Est.	
\$ 53,350.00	\$ 1,000.00	\$ 112,400.00	240.32%	
\$ 9,145.00	\$ 1,000.00	\$ 19,000.00	123.58%	
\$ 78,396.50	\$ 1,000.00	\$ 182,366.00	1059.41%	
\$ 37,670.00	\$ 1,000.00	\$ 89,680.00	274.96%	
\$ 8,653.00	\$ 100.00	\$ 30,000.00	57.69%	
\$ 9,374.50	\$ 1,000.00	\$ 18,221.00	62.50%	
\$ 23,294.00	\$ 10,000.00	\$ 55,486.00	314.78%	
\$ 27.50	\$ 14.00	\$ 53.00	137.50%	
\$ 21.00	\$ 7.00	\$ 53.00	247.06%	
\$ 12.69	\$ 7.50	\$ 22.47	105.77%	
\$ 22.60	\$ 15.00	\$ 31.16	129.16%	
\$ 8.58	\$ 1.50	\$ 17.26	285.92%	
\$ 161.95	\$ 150.00	\$ 170.81	101.22%	
\$ 14.53	\$ 10.00	\$ 22.36	83.01%	
\$ 44.97	\$ 40.12	\$ 50.00	107.07%	
\$ 91.75	\$ 83.00	\$ 104.00	91.75%	
\$ 7.75	\$ 4.00	\$ 18.36	172.28%	
\$ 2.38	\$ 2.00	\$ 3.00	118.75%	
\$ 2.38	\$ 2.00	\$ 3.00	158.33%	
\$ 10,905.85	\$ 5,000.00	\$ 14,161.38	43.62%	
\$ 29,175.23	\$ 27,234.30	\$ 30,176.60	14.59%	
\$ 1.10	\$ 1.00	\$ 1.25	54.88%	
\$ 1.56	\$ 1.32	\$ 2.00	56.55%	
\$ 8.84	\$ 8.00	\$ 9.50	76.85%	
\$ 308.97	\$ 293.89	\$ 326.00	77.24%	
\$ 1,032.42	\$ 982.67	\$ 1,090.00	73.74%	
\$ 1,648.31	\$ 1,442.23	\$ 2,000.00	27.47%	
\$ 108.97	\$ 100.00	\$ 117.00	90.81%	
Average Bid			\$ 576,517.77	

**SAN ANTONIO INTERNATIONAL AIRPORT
TERMINAL AREA TAXIWAY IMPROVEMENTS (PACKAGE 2)**

Date Prepared: June 24, 2014

BID ALTERNATE 1 (DISCREPANCIES)

Item No.	Specification Number	Bid Item Description	Quantity	Unit	Engineer's Estimate	
					Unit Price	Amount
BID ALTERNATE 1						
31	T-901-5.1	Hydro-Mulch Seeding	0.93	AC	\$ 3,000.00	\$ 2,790.00

J3 Company LLC			
Quantity	Unit Price	Amount	% Difference
1	\$ 3,000.00	\$ 3,000.00	-7.53%

BID ALTERNATE 1 (OMITTED BID LINES)

Item No.	Specification Number	Bid Item Description	Quantity	Unit	Engineer's Estimate	
					Unit Price	Amount
BID ALTERNATE 1						
-	L-100-5.3	Electrical Demolition	0.20	LS	\$ 200,000.00	\$ 40,000.00

BID ALTERNATE 2 (OMITTED BID LINES)

Item No.	Specification Number	Bid Item Description	Quantity	Unit	Engineer's Estimate	
					Unit Price	Amount
BID ALTERNATE 1						
-	P-604-7.2	Preformed Sealer, 1-inch Joint	1,150	LF	\$ 5.00	\$ 5,750.00
-	P-620-5.1	Reflective Yellow Taxiway Pavement Markings, Waterborne	3,100	SF	\$ 2.00	\$ 6,200.00
-	P-620-5.4	Non-Reflective Black Pavement Markings, Waterborne	3,270	SF	\$ 1.50	\$ 4,905.00
-	L-100-5.3	Electrical Demolition	0.15	LS	\$ 200,000.00	\$ 30,000.00