SAN ANTONIO INTERNATIONAL AIRPORT
TERMINAL AREA TAXIWAY IMPROVEMENTS (PACKAGE 4)
Date Prepared: June 30, 2016

Kimley»Horn

CONSTRUCTION COSTS ESTIMATE (BASE BID WITH ALTERNATES)

	Engineers Estimate	Jordan Foster Construction	SpawGlass Civil Construction, Inc.	J3 Company, LLC	Archer Western
BASE BID (Elec)	$ 2,654,690.00	$ 1,661,474.00	$ 2,073,388.32	$ 2,763,370.00	$ 1,918,826.36
BASE BID (TW J)	$ 1,953,246.00	$ 2,799,159.00	$ 1,998,623.21	$ 1,745,725.00	$ 2,196,217.98
BID ALTERNATE 1	$ 1,620,542.00	$ 1,926,080.75	$ 1,754,793.50	$ 1,345,500.00	$ 1,739,170.81
BID ALTERNATE 2	$ 1,060,192.50	$ 1,367,649.00	$ 1,093,659.67	$ 859,535.00	$ 1,250,724.70
BID ALTERNATE 3	$ 3,317,892.00	$ 3,826,998.25	$ 2,954,030.31	$ 2,777,220.00	$ 3,531,079.79
TOTAL CONSTRUCTION COSTS	**$ 10,606,562.50**	**$ 11,581,361.00**	**$ 9,874,495.01**	**$ 9,491,350.00**	**$ 10,636,019.64**

Difference 1 & 2 bids	**-4.04%**	**Low**	**High**
Difference Low to EE	**-11.75%**	$ 1,115,212.50	$ 974,798.50

Mobilization & Preparing of Right of Way

	Engineers Estimate	Jordan Foster Construction	SpawGlass Civil Construction, Inc.	J3 Company, LLC	Archer Western
BASE BID (Elec)	7.97%	9.63%	7.82%	12.67%	8.91%
BASE BID (TW J)	7.12%	11.25%	6.52%	5.79%	8.98%
BID ALTERNATE 1	7.79%	5.35%	7.84%	0.41%	7.75%
BID ALTERNATE 2	7.66%	4.39%	10.36%	0.64%	8.22%
BID ALTERNATE 3	7.81%	4.18%	5.89%	0.20%	8.45%

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Date Prepared: June 30, 2016

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.		Archer Western Unit Price	Archer Western Amount	% Difference to Eng. Est.	
BASE BID							7.97%				9.6%				7.8%				12.7%				8.9%
1	100.1	Mobilization/Demobilization	1	LS	$ 127,000.00	$ 127,000.00	4.78%	$ 150,000.00	$ 150,000.00	-18.11%	9.03%	$ 144,805.16	$ 144,805.16	-14.02%	6.98%	$ 200,000.00	$ 200,000.00	-57.48%	7.24%	$ 119,921.00	$ 119,921.00	5.57%	6.25%
2	100.2	Contractor Staging Area	1	Allow	$ -	$ -	0.00%	$ -	$ -	#DIV/0!	0.00%	$ -	0	#DIV/0!	0.00%	$ -	$ -	#DIV/0!	0.00%	$ -	$ -	#DIV/0!	0.00%
3	100.3	Insurance and Bonds	1	LS	$ 42,400.00	$ 42,400.00	1.60%	$ 50,000.00	$ 50,000.00	-17.92%	3.01%	$ 32,164.45	32164.45	24.14%	1.55%	$ 50,000.00	$ 50,000.00	-17.92%	1.81%	$ 21,738.00	$ 21,738.00	48.73%	1.13%
4	100.4	Airside Safety and Security / Traffic Control	1	LS	$ 211,700.00	$ 211,700.00	7.97%	$ 150,000.00	$ 150,000.00	29.15%	9.03%	$ 429,767.98	429767.98	-103.01%	20.73%	$ 750,000.00	$ 750,000.00	-254.27%	27.14%	$ 193,196.39	$ 193,196.39	8.74%	10.07%
5	101.1	Preparing Right-of-Way	1	LS	$ 84,700.00	$ 84,700.00	3.19%	$ 10,000.00	$ 10,000.00	88.19%	0.60%	$ 17,435.74	17435.74	79.41%	0.84%	$ 150,000.00	$ 150,000.00	-77.10%	5.43%	$ 51,131.00	$ 51,131.00	39.63%	2.66%
6	540.1	Storm Water Pollution Prevention Plan	1	LS	$ 15,000.00	$ 15,000.00	0.57%	$ 46,500.00	$ 46,500.00	-210.00%	2.80%	$ 29,185.51	29185.51	-94.57%	1.41%	$ 40,000.00	$ 40,000.00	-166.67%	1.45%	$ -	$ -	100.00%	0.00%
7	GP 60-05	Field Office and Curing Facilities	1	LS	$ 15,000.00	$ 15,000.00	0.57%	$ 20,000.00	$ 20,000.00	-33.33%	1.20%	$ 31,420.69	31420.69	-109.47%	1.52%	$ 100,000.00	$ 100,000.00	-566.67%	3.62%	$ 157,822.89	$ 157,822.89	-952.15%	8.22%
8	P-100-2.1	Contractor Quality Control	1	LS	$ 42,400.00	$ 42,400.00		$ 5,000.00	$ 5,000.00	88.21%		$ 3,705.77	3705.77	91.26%		$ 100,000.00	$ 100,000.00	-135.85%		$ 34,255.00	$ 34,255.00	19.21%	
9	L-100-5.1	ALCMS Modifications (Manufacturer Allowance)	1	LS	$ 30,000.00	$ 30,000.00		$ 30,000.00	$ 30,000.00	0.00%		$ 30,000.00	30000	0.00%		$ 30,000.00	$ 30,000.00	0.00%		$ 30,000.00	$ 30,000.00	0.00%	
10	L-100-5.2	ALCMS Modifications Contractor Effort	1	LS	$ 20,000.00	$ 20,000.00		$ 3,500.00	$ 3,500.00	82.50%		$ 4,040.96	4040.96	79.80%		$ 4,000.00	$ 4,000.00	80.00%		$ 3,539.64	$ 3,539.64	82.30%	
11	L-100-5.3	Electrical Demolition	0.40	LS	$ 500,000.00	$ 200,000.00		$ 56,000.00	$ 22,400.00	88.80%		$ 63,500.70	25400.28	87.30%		$ 70,000.00	$ 28,000.00	86.00%		$ 65,622.98	$ 26,249.19	86.88%	
12	L-100a-3.1	Photometric Testing	1	LS	$ 10,000.00	$ 10,000.00		$ 25,500.00	$ 25,500.00	-155.00%		$ 28,863.96	28863.96	-188.64%		$ 30,000.00	$ 30,000.00	-200.00%		$ 40,283.17	$ 40,283.17	-302.83%	
13	L-105-6.1	Base Bid Rwy 13R-31L Temporary Jumpers, Lighting and Signage	1	LS	$ 20,000.00	$ 20,000.00		$ 11,000.00	$ 11,000.00	45.00%		$ 12,584.69	12584.69	37.08%		$ 12,000.00	$ 12,000.00	40.00%		$ 16,023.46	$ 16,023.46	19.88%	
14	L-108-5.1	L-824, Type C, 1/C #8, 5 kV Cable	18,500	LF	$ 1.50	$ 27,750.00		$ 1.40	$ 25,900.00	6.67%		$ 1.56	28860	-4.00%		$ 1.40	$ 25,900.00	6.67%		$ 1.37	$ 25,345.00	8.67%	
15	L-108-5.2	L-824, Type C, 1/C #6, 5 kV Cable	89,400	LF	$ 1.75	$ 156,450.00		$ 1.40	$ 125,160.00	20.00%		$ 1.62	144828	7.43%		$ 1.55	$ 138,570.00	11.43%		$ 1.42	$ 126,948.00	18.86%	
16	L-108-5.3	Bare, 1/C #6, Counterpoise Wire	3,100	LF	$ 2.30	$ 7,130.00		$ 1.10	$ 3,410.00	52.17%		$ 1.27	3937	44.78%		$ 1.30	$ 4,030.00	43.48%		$ 1.11	$ 3,441.00	51.74%	
17	L-110-5.1	Single-way 2" Conduit, Direct Buried	1,140	LF	$ 14.00	$ 15,960.00		$ 20.50	$ 23,370.00	-46.43%		$ 23.09	26322.6	-64.93%		$ 24.00	$ 27,360.00	-71.43%		$ 20.23	$ 23,062.20	-44.50%	
18	L-110-5.3	Multiple-way (6) 2-inch Conduits, Direct Buried	350	LF	$ 80.00	$ 28,000.00		$ 50.50	$ 17,675.00	36.88%		$ 57.73	20205.5	27.84%		$ 55.00	$ 19,250.00	31.25%		$ 50.57	$ 17,699.50	36.79%	
19	L-110-5.4	Multiple-way (8) 2-inch Conduits, Direct Buried	510	LF	$ 100.00	$ 51,000.00		$ 56.00	$ 28,560.00	44.00%		$ 64.08	32680.8	35.92%		$ 60.00	$ 30,600.00	40.00%		$ 56.13	$ 28,626.30	43.87%	
20	L-110-5.7	Multiple-way (6) 2-inch HDPE Conduits, Directional Bored	700	LF	$ 150.00	$ 105,000.00		$ 101.00	$ 70,700.00	32.67%		$ 115.46	80822	23.03%		$ 115.00	$ 80,500.00	23.33%		$ 101.13	$ 70,791.00	32.58%	
21	L-110-5.8	Multiple-way (8) 2-inch HDPE Conduits, Directional Bored	360	LF	$ 200.00	$ 72,000.00		$ 121.00	$ 43,560.00	39.50%		$ 138.55	49878	30.73%		$ 130.00	$ 46,800.00	35.00%		$ 121.36	$ 43,689.60	39.32%	
22	L-111-5.1	Furnish and Install Packaged 480/277 Volt Engine Generator, Controls and Exhaust System for West ALV	1	LS	$ 350,000.00	$ 350,000.00		$ 109,000.00	$ 109,000.00	68.86%		$ 124,692.33	124692.33	64.37%		$ 120,000.00	$ 120,000.00	65.71%		$ 124,223.30	$ 124,223.30	64.51%	
23	L-111-5.2	Remove and Dispose of Existing 480V West ALV Engine Generator, Controls, and Exhaust System	1	LS	$ 110,000.00	$ 110,000.00		$ 10,500.00	$ 10,500.00	90.45%		$ 11,891.95	11891.95	89.19%		$ 12,000.00	$ 12,000.00	89.09%		$ 15,416.67	$ 15,416.67	85.98%	
24	L-111-5.3	Furnish Temporary Engine Generator	2	WK	$ 15,000.00	$ 30,000.00		$ 6,700.00	$ 13,400.00	55.33%		$ 7,648.95	15297.9	49.01%		$ 8,000.00	$ 16,000.00	46.67%		$ 9,200.04	$ 18,400.08	38.67%	
25	L-115-5.1	New Concrete Handhole, Type I, Furnished & Installed	7	EA	$ 10,000.00	$ 70,000.00		$ 8,525.00	$ 59,675.00	14.75%		$ 9,813.75	68696.25	1.86%		$ 9,500.00	$ 66,500.00	5.00%		$ 8,596.28	$ 60,173.96	14.04%	
26	L-115-5.3	Two-Can Junction Can Plaza, Furnished & Installed	7	EA	$ 4,500.00	$ 31,500.00		$ 1,525.00	$ 10,675.00	66.11%		$ 1,731.84	12122.88	61.51%		$ 1,700.00	$ 11,900.00	62.22%		$ 1,516.99	$ 10,618.93	66.29%	
27	L-850-4.1	New In-pavement L-850A Runway Centerline Light with New Isolation Transformers on Existing or Modified Base	168	EA	$ 1,500.00	$ 252,000.00		$ 1,000.00	$ 168,000.00	33.33%		$ 1,039.10	174568.8	30.73%		$ 1,100.00	$ 184,800.00	26.67%		$ 1,010.19	$ 169,711.92	32.65%	
28	L-850-4.2	Salvage and Reinstall In-pavement L-850B Runway TDZ Light with New Isolation Transformer on Existing Base	180	EA	$ 500.00	$ 90,000.00		$ 280.00	$ 50,400.00	44.00%		$ 317.50	57150	36.50%		$ 300.00	$ 54,000.00	40.00%		$ 378.11	$ 68,059.80	24.38%	
29	L-850-4.3	Salvage and Reinstall In-pavement L-850C Runway Edge Light with New Isolation Transformer on New or Existing Base	14	EA	$ 500.00	$ 7,000.00		$ 280.00	$ 3,920.00	44.00%		$ 317.50	4445	36.50%		$ 300.00	$ 4,200.00	40.00%		$ 278.12	$ 3,893.68	44.38%	
30	L-858-5.3	New Size 3, 3-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	1.00	EA	$ 7,500.00	$ 7,500.00		$ 4,400.00	$ 4,400.00	41.33%		$ 4,964.59	4964.59	33.81%		$ 5,000.00	$ 5,000.00	33.33%		$ 4,348.71	$ 4,348.71	42.02%	
31	L-858-5.4	New Size 3, 4-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	2	EA	$ 9,000.00	$ 18,000.00		$ 5,850.00	$ 11,700.00	35.00%		$ 6,696.44	13392.88	25.60%		$ 6,500.00	$ 13,000.00	27.78%		$ 5,865.70	$ 11,731.40	34.83%	
32	L-862-4.1	Salvage and Reinstall Elevated L-862 Runway Edge Light with New Isolation Transformer on Existing Base	74	EA	$ 250.00	$ 18,500.00		$ 375.00	$ 27,750.00	-50.00%		$ 415.64	30757.36	-66.26%		$ 400.00	$ 29,600.00	-60.00%		$ 364.08	$ 26,941.92	-45.63%	
33	L-862-4.2	Salvage and Reinstall Elevated L-862E Runway Threshold/End Light with New Isolation Transformer on Existing Base	16	EA	$ 250.00	$ 4,000.00		$ 375.00	$ 6,000.00	-50.00%		$ 427.19	6835.04	-70.88%		$ 410.00	$ 6,560.00	-64.00%		$ 374.19	$ 5,987.04	-49.68%	
34	L-867/868-6.2	Size "B" L-867 Base Can for Any New, Reinstalled or Future Fixture in Non-Paved Shoulder	2.00	EA	$ 2,500.00	$ 5,000.00		$ 755.00	$ 1,510.00	69.80%		$ 865.92	1731.84	65.36%		$ 900.00	$ 1,800.00	64.00%		$ 758.50	$ 1,517.00	69.66%	
35	L-867/868-6.5	New Size "B" L-867 Blank Base Can Cover	4	EA	$ 150.00	$ 600.00		$ 126.00	$ 504.00	16.00%		$ 144.32	577.28	3.79%		$ 150.00	$ 600.00	0.00%		$ 126.42	$ 505.68	15.72%	
36	L-867/868-6.7	New Size "B" L-868 Flange Ring and Spacer	168	EA	$ 450.00	$ 75,600.00		$ 275.00	$ 46,200.00	38.89%		$ 311.73	52370.64	30.73%		$ 300.00	$ 50,400.00	33.33%		$ 273.06	$ 45,874.08	39.32%	
37	L-867/868-6.8	Core Drill Replace L-868 in (E) PCCP	80	EA	$ 3,200.00	$ 256,000.00		$ 3,010.00	$ 240,800.00	5.94%		$ 3,463.68	277094.4	-8.24%		$ 3,500.00	$ 280,000.00	-9.38%		$ 3,533.98	$ 282,718.40	-10.44%	
38	L-867/868-6.9	Core Drill L-868 Extension in (E) PCCP	20	EA	$ 1,800.00	$ 36,000.00		$ 1,310.00	$ 26,200.00	27.22%		$ 1,500.93	30018.6	16.62%		$ 1,500.00	$ 30,000.00	16.67%		$ 1,314.73	$ 26,294.60	26.96%	
39	L-867/868-6.12	Concrete Foundation for 3-Module Sign	1	EA	$ 3,500.00	$ 3,500.00		$ 2,755.00	$ 2,755.00	21.29%		$ 3,175.03	3175.03	9.28%		$ 3,200.00	$ 3,200.00	8.57%		$ 2,781.15	$ 2,781.15	20.54%	
40	L-867/868-6.13	Concrete Foundation for 4-Module Sign	2	EA	$ 4,000.00	$ 8,000.00		$ 2,925.00	$ 5,850.00	26.88%		$ 3,348.23	6696.46	16.29%		$ 3,400.00	$ 6,800.00	15.00%		$ 2,932.85	$ 5,865.70	26.68%	
					Total Amount	**$ 2,654,690.00**			**$ 1,661,474.00**	**37.41%**			**$ 2,073,388.32**	**21.90%**			**$ 2,763,370.00**	**-4.09%**			**$ 1,918,826.36**	**27.72%**	

	Engineer's Estimate	Jordan Foster Construction	Spaw Glass Civil Construction, Inc.	J3 Company, LLC	Archer Western
BASE BID	$ 538,200.00	$ 431,500.00	$ 688,485.30	$ 1,390,000.00	$ 578,064.28

SAN ANTONIO INTERNATIONAL AIRPORT
TERMINAL AREA TAXIWAY IMPROVEMENTS (PACKAGE 4)

Date Prepared: June 30, 2016

BASE BID $ 563,600.00 $ 1,152,664.00 $ 626,787.99 $ 327,000.00 $ 821,597.90

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.		Archer Western Unit Price	Archer Western Amount	% Difference to Eng. Est.	
BASE BID							7.12%				11.3%				6.5%				5.8%				9.0%
1	100.1	Mobilization/Demobilization	1	LS	$ 83,400.00	$ 83,400.00	4.27%	$ 300,000.00	$ 300,000.00	-259.71%	10.72%	$ 118,434.03	$ 118,434.03	-42.01%	5.93%	$ 100,000.00	$ 100,000.00	-19.90%	5.73%	$ 143,448.90	$ 143,448.90	-72.00%	6.53%
2	100.2	Contractor Staging Area	1	Allow	$ 200,000.00	$ 200,000.00	10.24%	$ 200,000.00	$ 200,000.00	0.00%	7.15%	$ 200,000.00	200000	0.00%	10.01%	$ 200,000.00	$ 200,000.00	0.00%	11.46%	$ 200,000.00	$ 200,000.00	0	9.11%
3	100.3	Insurance and Bonds	1	LS	$ 27,800.00	$ 27,800.00	1.42%	$ 55,664.00	$ 55,664.00	-100.23%	1.99%	$ 10,187.05	10187.05	63.36%	0.51%	$ 22,000.00	$ 22,000.00	20.86%	1.26%	$ 26,852.00	$ 26,852.00	3.41%	1.22%
4	100.4	Airside Safety and Security / Traffic Control	1	LS	$ 139,000.00	$ 139,000.00	7.12%	$ 450,000.00	$ 450,000.00	-223.74%	16.08%	$ 235,043.32	235043.32	-69.10%	11.76%	$ 1,000.00	$ 1,000.00	99.28%	0.06%	$ 95,124.00	$ 95,124.61	31.57%	4.33%
5	101.1	Preparing Right-of-Way	1	LS	$ 55,600.00	$ 55,600.00	2.85%	$ 15,000.00	$ 15,000.00	73.02%	0.54%	$ 11,821.37	11821.37	78.74%	0.59%	$ 1,000.00	$ 1,000.00	98.20%	0.06%	$ 53,845.00	$ 53,845.00	3.16%	2.45%
6	540.1	Storm Water Pollution Prevention Plan	1	LS	$ 15,000.00	$ 15,000.00	0.77%	$ 60,000.00	$ 60,000.00	-300.00%	2.14%	$ 5,087.26	5087.26	66.08%	0.25%	$ 1,000.00	$ 1,000.00	93.33%	0.06%	$ 61,470.00	$ 61,470.00	-309.80%	2.80%
7	GP 60-05	Field Office and Curing Facilities	1	LS	$ 15,000.00	$ 15,000.00	0.77%	$ 42,000.00	$ 42,000.00	-180.00%	1.50%	$ 34,882.32	34882.32	-132.55%	1.75%	$ 1,000.00	$ 1,000.00	93.33%	0.06%	$ 157,717.39	$ 157,717.39	-951.45%	7.18%
8	P-100-2.1	Contractor Quality Control	1	LS	$ 27,800.00	$ 27,800.00		$ 30,000.00	$ 30,000.00	-7.91%		$ 11,332.64	11332.64	59.24%		$ 1,000.00	$ 1,000.00	96.40%		$ 83,140.00	$ 83,140.00	-199.06%	
9	P-101-5.1	Portland Cement Concrete Pavement Removal, Including Thickened Edge and Reinforcement	2,650	SY	$ 20.00	$ 53,000.00		$ 18.00	$ 47,700.00	10.00%		$ 20.09	53238.5	-0.45%		$ 15.00	$ 39,750.00	25.00%		$ 18.28	$ 48,442.00	8.60%	
10	P-101-5.3	Cement-Treated Base Removal	2,650	SY	$ 15.00	$ 39,750.00		$ 16.00	$ 42,400.00	-6.67%		$ 8.74	23161	41.73%		$ 8.00	$ 21,200.00	46.67%		$ 15.99	$ 42,373.50	-6.60%	
11	P-101-5.4	Concrete Pavement Saw Cut (Full Depth)	382.00	LF	$ 18.00	$ 6,876.00		$ 6.00	$ 2,292.00	66.67%		$ 6.35	2425.7	64.72%		$ 20.00	$ 7,640.00	-11.11%		$ 23.72	$ 9,061.04	-31.78%	
12	P-151-4.1	Clearing and Grubbing	2.08	AC	$ 10,000.00	$ 20,800.00		$ 1,200.00	$ 2,496.00	88.00%		$ 7,655.13	15922.6704	23.45%		$ 2,000.00	$ 4,160.00	80.00%		$ 2,449.41	$ 5,094.77	75.51%	
13	P-151-4.3	Remove Existing Catch Basin or Manhole	2	EA	$ 1,000.00	$ 2,000.00		$ 4,500.00	$ 9,000.00	-350.00%		$ 1,535.86	3071.72	-53.59%		$ 2,000.00	$ 4,000.00	-100.00%		$ -	$ -	100.00%	
14	P-152-4.1	Unclassified Excavation (Estimated)	4,120	CY	$ 17.50	$ 72,100.00		$ 17.00	$ 70,040.00	2.86%		$ 17.80	73336	-1.71%		$ 20.00	$ 82,400.00	-14.29%		$ 17.12	$ 70,534.40	2.17%	
15	P-155-8.1	Lime-Treated Subgrade, 6" Depth (P-155)	4,670	SY	$ 3.50	$ 16,345.00		$ 5.00	$ 23,350.00	-42.86%		$ 5.54	25871.8	-58.29%		$ 1.50	$ 7,005.00	57.14%		$ 10.57	$ 49,361.90	-202.00%	
16	P-155-8.2	Lime	100	TON	$ 175.00	$ 17,500.00		$ 185.00	$ 18,500.00	-5.71%		$ 186.03	18603	-6.30%		$ 150.00	$ 15,000.00	14.29%		$ 174.81	$ 17,481.00	0.11%	
17	P-208-5.1	Aggregate Base Course, 13" Depth (P-208)	660	SY	$ 35.00	$ 23,100.00		$ 75.00	$ 49,500.00	-114.29%		$ 25.30	16698	27.71%		$ 30.00	$ 19,800.00	14.29%		$ 30.96	$ 20,433.60	11.54%	
18	P-208-5.1	Temporary Aggregate Base Course, 8" Depth (P-208)	170	SY	$ 20.00	$ 3,400.00		$ 48.00	$ 8,160.00	-140.00%		$ 24.61	4183.7	-23.05%		$ 25.00	$ 4,250.00	-25.00%		$ 28.25	$ 4,802.50	-41.25%	
19	P-304-8.1	Cement-Treated Base Course, 8" Depth (P-304)	1,500	SY	$ 30.00	$ 45,000.00		$ 49.00	$ 73,500.00	-63.33%		$ 27.55	41325	8.17%		$ 30.00	$ 45,000.00	0.00%		$ 39.07	$ 58,605.00	-30.23%	
20	P-304-8.2	Cement-Treated Base Course, 16" Depth (P-304)	3,200	SY	$ 60.00	$ 192,000.00		$ 95.00	$ 304,000.00	-58.33%		$ 55.07	176224	8.22%		$ 60.00	$ 192,000.00	0.00%		$ 68.17	$ 218,144.00	-13.62%	
21	P-401-8.1	Temporary HMA Pavement (5" Surface Course)	50	TON	$ 150.00	$ 7,500.00		$ 375.00	$ 18,750.00	-150.00%		$ 483.00	24150	-222.00%		$ 360.00	$ 18,000.00	-140.00%		$ 388.94	$ 19,447.00	-159.29%	
22	P-403-8.1	HMA Pavement (3" Surface Course)	240	TON	$ 150.00	$ 36,000.00		$ 350.00	$ 84,000.00	-133.33%		$ 247.92	59500.8	-65.28%		$ 180.00	$ 43,200.00	-20.00%		$ 246.95	$ 59,268.00	-64.63%	
23	P-403-8.2	Temporary HMA Pavement (9" Base Course)	80	TON	$ 150.00	$ 12,000.00		$ 375.00	$ 30,000.00	-150.00%		$ 447.01	35760.8	-198.01%		$ 300.00	$ 24,000.00	-100.00%		$ 388.94	$ 31,115.20	-159.29%	
24	P-501-8.1	Portland Cement Concrete Pavement, 16" Depth	3,000	SY	$ 110.00	$ 330,000.00		$ 155.00	$ 465,000.00	-40.91%		$ 105.51	316530	4.08%		$ 130.00	$ 390,000.00	-18.18%		$ 105.50	$ 316,500.00	4.09%	
25	P-604-6.1	Preformed Sealer, 1/2-inch Joint	3,350	LF	$ 4.50	$ 15,075.00		$ 5.00	$ 16,750.00	-11.11%		$ 5.38	18023	-19.56%		$ 10.00	$ 33,500.00	-122.22%		$ 4.85	$ 16,247.50	-7.78%	
26	P-604-6.2	Preformed Sealer, 1-inch Joint	310	LF	$ 5.00	$ 1,550.00		$ 13.50	$ 4,185.00	-170.00%		$ 14.96	4637.6	-199.20%		$ 25.00	$ 7,750.00	-400.00%		$ 13.47	$ 4,175.70	-169.40%	
27	P-604-6.3	Hot Applied Edge Seal	480	LF	$ 2.50	$ 1,200.00		$ 4.25	$ 2,040.00	-70.00%		$ 4.53	2174.4	-81.20%		$ 8.00	$ 3,840.00	-220.00%		$ 4.08	$ 1,958.40	-63.20%	
28	P-620-5.1	Reflective Yellow Taxiway Pavement Markings, Waterborne	1,810	SF	$ 2.00	$ 3,620.00		$ 4.00	$ 7,240.00	-100.00%		$ 1.59	2877.9	20.50%		$ 5.00	$ 9,050.00	-150.00%		$ 1.10	$ 1,991.00	45.00%	
29	P-620-5.2	Reflective White Runway Pavement Markings, Waterborne	900	SF	$ 2.00	$ 1,800.00		$ 4.00	$ 3,600.00	-100.00%		$ 1.59	1431	20.50%		$ 5.00	$ 4,500.00	-150.00%		$ 1.10	$ 990.00	45.00%	
30	P-620-5.3	Non-Reflective Black Pavement Markings, Waterborne	2,620.00	SF	$ 1.50	$ 3,930.00		$ 3.00	$ 7,860.00	-100.00%		$ 1.02	2672.4	32.00%		$ 4.00	$ 10,480.00	-166.67%		$ 0.49	$ 1,283.80	67.33%	
31	P-620-5.4	Reflective Surface Painted Holding Position Signs, Waterborne	860	SF	$ 2.00	$ 1,720.00		$ 8.50	$ 7,310.00	-325.00%		$ 1.36	1169.6	32.00%		$ 10.00	$ 8,600.00	-400.00%		$ 2.52	$ 2,167.20	-26.00%	
32	P-620-5.5	Pavement Marking Obliteration	2,120	SF	$ 3.50	$ 7,420.00		$ 4.75	$ 10,070.00	-35.71%		$ 3.42	7250.4	2.29%		$ 6.00	$ 12,720.00	-71.43%		$ 3.18	$ 6,741.60	9.14%	
33	P-620-5.6	Temporary Reflective Yellow Taxiway Pavement Markings, Waterborne	490	SF	$ 2.00	$ 980.00		$ 10.50	$ 5,145.00	-425.00%		$ 1.25	612.5	37.50%		$ 12.00	$ 5,880.00	-500.00%		$ 1.10	$ 539.00	45.00%	
34	T-904-5.1	Sodding, 2" Depth (T-904)	10,040.00	SY	$ 6.00	$ 60,240.00		$ 4.50	$ 45,180.00	25.00%		$ 7.16	71886.4	-19.33%		$ 5.00	$ 50,200.00	16.67%		$ 6.07	$ 60,942.80	-1.17%	
35	T-905-5.1	Top Soil, 2" Depth (T-905)	560	CY	$ 25.00	$ 14,000.00		$ 11.00	$ 6,160.00	56.00%		$ 51.00	28560	-104.00%		$ 25.00	$ 14,000.00	0.00%		$ 16.81	$ 9,413.60	32.76%	
36	D-705-5.1	Underdrain System	1	LS	$ 15,000.00	$ 15,000.00		$ 20,000.00	$ 20,000.00	-33.33%		$ 42,757.15	42757.15	-185.05%		$ 40,000.00	$ 40,000.00	-166.67%		$ 26,987.43	$ 26,987.43	-79.92%	
37	D-751-5.2	Adjust Existing Manhole/Inlet	1	EA	$ 10,000.00	$ 10,000.00		$ 6,500.00	$ 6,500.00	35.00%		$ 8,262.12	8262.12	17.38%		$ 10,000.00	$ 10,000.00	0.00%		$ 16,904.96	$ 16,904.96	-69.05%	
38	L-100-5.3	Electrical Demolition	0	LS	$ 500,000.00	$ 50,000.00		$ 46,000.00	$ 4,600.00	90.80%		$ 46,182.50	4618.25	90.76%		$ 45,000.00	$ 4,500.00	91.00%		$ 40,453.10	$ 4,045.31	91.91%	
39	L-105-6.2	Base Bid Twy J Temporary Jumpers, Lighting and Signage	1	LS	$ 10,000.00	$ 10,000.00		$ 2,100.00	$ 2,100.00	79.00%		$ 2,395.71	2395.71	76.04%		$ 2,500.00	$ 2,500.00	75.00%		$ 2,098.50	$ 2,098.50	79.02%	
40	L-108-5.1	L-824, Type C, 1/C #8, 5 kV Cable	4,100	LF	$ 1.50	$ 6,150.00		$ 1.35	$ 5,535.00	10.00%		$ 1.56	6396	-4.00%		$ 1.50	$ 6,150.00	0.00%		$ 1.37	$ 5,617.00	8.67%	
41	L-108-5.2	L-824, Type C, 1/C #6, 5 kV Cable	1,000	LF	$ 1.75	$ 1,750.00		$ 1.40	$ 1,400.00	20.00%		$ 1.62	1620	7.43%		$ 1.60	$ 1,600.00	8.57%		$ 1.42	$ 1,420.00	18.86%	
42	L-108-5.3	Bare, 1/C #6, Counterpoise Wire	3,100	LF	$ 2.30	$ 7,130.00		$ 1.15	$ 3,565.00	50.00%		$ 1.27	3937	44.78%		$ 1.30	$ 4,030.00	43.48%		$ 1.11	$ 3,441.00	51.74%	
43	L-110-5.1	Single-way 2" Conduit, Direct Buried	1,340	LF	$ 14.00	$ 18,760.00		$ 21.00	$ 28,140.00	-50.00%		$ 23.09	30940.6	-64.93%		$ 25.00	$ 33,500.00	-78.57%		$ 20.23	$ 27,108.20	-44.50%	
44	L-110-5.3	Multiple-way (6) 2-inch Conduits, Direct Buried	80	LF	$ 80.00	$ 6,400.00		$ 50.50	$ 4,040.00	36.88%		$ 57.73	4618.4	27.84%		$ 60.00	$ 4,800.00	25.00%		$ 50.57	$ 4,045.60	36.79%	
45	L-110-5.5	Single-way 2" Conduit, Concrete Encased	300	LF	$ 16.00	$ 4,800.00		$ 25.50	$ 7,650.00	-59.38%		$ 28.86	8658	-80.38%		$ 30.00	$ 9,000.00	-87.50%		$ 25.28	$ 7,584.00	-58.00%	
46	L-110-5.6	Multiple-way (4) 2-inch HDPE Conduits, Directional Bored	580	LF	$ 110.00	$ 63,800.00		$ 91.00	$ 52,780.00	17.27%		$ 103.91	60267.8	5.54%		$ 100.00	$ 58,000.00	9.09%		$ 91.02	$ 52,791.60	17.25%	
47	L-110-5.7	Multiple-way (6) 2-inch HDPE Conduits, Directional Bored	400	LF	$ 150.00	$ 60,000.00		$ 101.00	$ 40,400.00	32.67%		$ 115.46	46184	23.03%		$ 115.00	$ 46,000.00	23.33%		$ 101.13	$ 40,452.00	32.58%	
48	L-110-5.9	System Drain, (1) 2" Conduit, Concrete Encased	350	LF	$ 20.00	$ 7,000.00		$ 26.00	$ 9,100.00	-30.00%		$ 28.86	10101	-44.30%		$ 28.00	$ 9,800.00	-40.00%		$ 25.28	$ 8,848.00	-26.40%	
49	L-115-5.1	New Concrete Handhole, Type I, Furnished & Installed	4	EA	$ 10,000.00	$ 40,000.00		$ 8,525.00	$ 34,100.00	14.75%		$ 9,813.75	39255	1.86%		$ 10,000.00	$ 40,000.00	0.00%		$ 8,596.28	$ 34,385.12	14.04%	
50	L-115-5.3	Two-Can Junction Can Plaza, Furnished & Installed	4	EA	$ 4,500.00	$ 18,000.00		$ 1,525.00	$ 6,100.00	66.11%		$ 1,731.84	6927.36	61.51%		$ 1,800.00	$ 7,200.00	60.00%		$ 1,516.99	$ 6,067.96	66.29%	
51	L-850-4.3	Salvage and Reinstall In-pavement L-850C Runway Edge Light with New Isolation Transformer on New or Existing Base	1	EA	$ 500.00	$ 500.00		$ 355.00	$ 355.00	29.00%		$ 404.09	404.09	19.18%		$ 420.00	$ 420.00	16.00%		$ 353.96	$ 353.96	29.21%	
52	L-858-5.1	New Size 3, 1-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	2	EA	$ 3,700.00	$ 7,400.00		$ 2,100.00	$ 4,200.00	43.24%		$ 2,366.85	4733.7	36.03%		$ 2,500.00	$ 5,000.00	32.43%		$ 2,073.22	$ 4,146.44	43.97%	
53	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		$ 4,400.00	$ 4,400.00	41.33%		$ 4,964.59	4964.59	33.81%		$ 5,000.00	$ 5,000.00	33.33%		$ 4,348.71	$ 4,348.71	42.02%	
54	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		$ 5,825.00	$ 5,825.00	35.28%		$ 6,696.45	6696.45	25.60%		$ 6,500.00	$ 6,500.00	27.78%		$ 5,865.70	$ 5,865.70	34.83%	
55	L-861T-4.3	Salvage and Reinstall L-861T Quartz Taxiway Edge Light with New Isolation Transformer on New Base	18	EA	$ 150.00	$ 2,700.00		$ 325.00	$ 5,850.00	-116.67%		$ 369.46	6650.28	-146.31%		$ 400.00	$ 7,200.00	-166.67%		$ 323.62	$ 5,825.16	-115.75%	
56	L-867/868-6.1	Size "B" L-867 Base Can for Any New, Reinstalled or Future Fixture in New Asphalt Shoulder	12	EA	$ 1,300.00	$ 15,600.00		$ 1,100.00	$ 13,200.00	15.38%		$ 1,212.29	14547.48	6.75%		$ 1,200.00	$ 14,400.00	7.69%		$ 1,061.89	$ 12,742.68	18.32%	
57	L-867/868-6.2	Size "B" L-867 Base Can for Any New, Reinstalled or Future Fixture in Non-Paved Shoulder	7	EA	$ 2,500.00	$ 17,500.00		$ 752.00	$ 5,264.00	69.92%		$ 865.92	6061.44	65.36%		$ 850.00	$ 5,950.00	66.00%		$ 758.50	$ 5,309.50	69.66%	
58	L-867/868-6.3	Size "B" L-868 Base Can – "Standard Installation (New PCCP)"	1	EA	$ 2,800.00	$ 2,800.00		$ 1,425.00	$ 1,425.00	49.11%		$ 1,616.38	1616.38	42.27%		$ 1,600.00	$ 1,600.00	42.86%		$ 1,415.86	$ 1,415.86	49.43%	

59	L-867/868-6.5	New Size "B" L-867 Blank Base Can Cover	3	EA	$ 150.00	$ 450.00	$ 126.00	$ 378.00	16.00%	$ 144.32	432.96	3.79%	$ 150.00	$ 450.00	0.00%	$ 126.42	$ 379.26	15.72%
60	L-867/868-6.10	Concrete Foundation for 1-Module Sign	2	EA	$ 2,500.00	$ 5,000.00	$ 2,255.00	$ 4,510.00	9.80%	$ 2,597.76	5195.52	-3.91%	$ 2,500.00	$ 5,000.00	0.00%	$ 2,275.49	$ 4,550.98	8.98%
61	L-867/868-6.11	Concrete Foundation for 2-Module Sign	2	EA	$ 3,000.00	$ 6,000.00	$ 2,525.00	$ 5,050.00	15.83%	$ 2,886.40	5772.8	3.79%	$ 2,800.00	$ 5,600.00	6.67%	$ 2,528.32	$ 5,056.64	15.72%
62	L-867/868-6.12	Concrete Foundation for 3-Module Sign	1	EA	$ 3,500.00	$ 3,500.00	$ 2,800.00	$ 2,800.00	20.00%	$ 3,175.03	3175.03	9.28%	$ 3,200.00	$ 3,200.00	8.57%	$ 2,781.15	$ 2,781.15	20.54%
63	L-867/868-6.13	Concrete Foundation for 4-Module Sign	1	EA	$ 4,000.00	$ 4,000.00	$ 3,000.00	$ 3,000.00	25.00%	$ 3,348.22	3348.22	16.29%	$ 3,400.00	$ 3,400.00	15.00%	$ 2,932.85	$ 2,932.85	26.68%
					Total Amount	**$ 1,953,246.00**		**$ 2,799,159.00**	**-43.31%**		**$ 1,998,623.21**	**-2.32%**		**$ 1,745,725.00**	**10.62%**		**$ 2,196,217.98**	**-12.44%**

SAN ANTONIO INTERNATIONAL AIRPORT
TERMINAL AREA TAXIWAY IMPROVEMENTS (PACKAGE 4)

Date Prepared: June 30, 2016

BASE BID $ 358,200.00 $ 351,000.00 $ 570,139.82 $ 44,500.00 $ 452,807.91

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.		Archer Western Unit Price	Archer Western Amount	% Difference to Eng. Est.	
BASE BID							7.79%				5.3%				7.8%				0.4%				7.7%
1	100.1	Mobilization/Demobilization	1	LS	$ 75,800.00	$ 75,800.00	4.68%	$ 93,000.00	$ 93,000.00	-22.69%	4.83%	$ 129,068.57	$ 129,068.57	-70.28%	7.36%	$ 4,500.00	$ 4,500.00	94.06%	0.33%	$ 110,559.25	$ 110,559.25	-45.86%	6.36%
2	100.2	Contractor Staging Area	1	Allow	$ 25,000.00	$ 25,000.00	1.54%	$ 25,000.00	$ 25,000.00	0.00%	1.30%	$ 25,000.00	25000	0.00%	1.42%	$ 25,000.00	$ 25,000.00	0.00%	1.86%	$ 25,000.00	$ 25,000.00	0	1.44%
3	100.3	Insurance and Bonds	1	LS	$ 25,300.00	$ 25,300.00	1.56%	$ 15,000.00	$ 15,000.00	40.71%	0.78%	$ 15,482.05	15482.05	38.81%	0.88%	$ 1,000.00	$ 1,000.00	96.05%	0.07%	$ 20,459.00	$ 20,459.00	19.13%	1.18%
4	100.4	Airside Safety and Security / Traffic Control	1	LS	$ 126,300.00	$ 126,300.00	7.79%	$ 155,000.00	$ 155,000.00	-22.72%	8.05%	$ 316,558.51	316558.51	-150.64%	18.04%	$ 10,000.00	$ 10,000.00	92.08%	0.74%	$ 60,663.10	$ 60,663.10	51.97%	3.49%
5	101.1	Preparing Right-of-Way	1	LS	$ 50,500.00	$ 50,500.00	3.12%	$ 10,000.00	$ 10,000.00	80.20%	0.52%	$ 8,421.57	8421.57	83.32%	0.48%	$ 1,000.00	$ 1,000.00	98.02%	0.07%	$ 24,201.00	$ 24,201.00	52.08%	1.39%
6	540.1	Storm Water Pollution Prevention Plan	1	LS	$ 15,000.00	$ 15,000.00	0.93%	$ 5,000.00	$ 5,000.00	66.67%	0.26%	$ 15,430.07	15430.07	-2.87%	0.88%	$ 1,000.00	$ 1,000.00	93.33%	0.07%	$ 22,319.56	$ 22,319.56	-48.80%	1.28%
7	GP 60-05	Field Office and Curing Facilities	1	LS	$ 15,000.00	$ 15,000.00	0.93%	$ 28,000.00	$ 28,000.00	-86.67%	1.45%	$ 53,526.80	53526.8	-256.85%	3.05%	$ 1,000.00	$ 1,000.00	93.33%	0.07%	$ 127,436.00	$ 127,436.00	-749.57%	7.33%
8	P-100-2.1	Contractor Quality Control	1	LS	$ 25,300.00	$ 25,300.00		$ 20,000.00	$ 20,000.00	20.95%		$ 6,652.25	6652.25	73.71%		$ 1,000.00	$ 1,000.00	96.05%		$ 62,170.00	$ 62,170.00	-145.73%	
9	P-101-5.1	Portland Cement Concrete Pavement Removal, Including Thickened Edge and Reinforcement	1,330	SY	$ 20.00	$ 26,600.00		$ 19.00	$ 25,270.00	5.00%		$ 21.53	28634.9	-7.65%		$ 15.00	$ 19,950.00	25.00%		$ 19.59	$ 26,054.70	2.05%	
10	P-101-5.2	Bituminous Pavement Removal	170	SY	$ 15.00	$ 2,550.00		$ 43.00	$ 7,310.00	-186.67%		$ 13.55	2303.5	9.67%		$ 20.00	$ 3,400.00	-33.33%		$ 43.65	$ 7,420.50	-191.00%	
11	P-101-5.3	Cement-Treated Base Removal	1,490.00	SY	$ 15.00	$ 22,350.00		$ 16.00	$ 23,840.00	-6.67%		$ 12.74	18982.6	15.07%		$ 8.00	$ 11,920.00	46.67%		$ 15.89	$ 23,676.10	-5.93%	
12	P-101-5.4	Concrete Pavement Saw Cut (Full Depth)	369	LF	$ 18.00	$ 6,642.00		$ 5.75	$ 2,121.75	68.06%		$ 6.35	2343.15	64.72%		$ 20.00	$ 7,380.00	-11.11%		$ 31.53	$ 11,634.57	-75.17%	
13	P-101-5.5	AC Pavement Saw Cut (Full Depth)	60	LF	$ 5.00	$ 300.00		$ 3.25	$ 195.00	35.00%		$ 3.63	217.8	27.40%		$ 10.00	$ 600.00	-100.00%		$ 5.39	$ 323.40	-7.80%	
14	P-151-4.1	Clearing and Grubbing	1.94	AC	$ 10,000.00	$ 19,400.00		$ 3,000.00	$ 5,820.00	70.00%		$ 6,363.24	12344.6856	36.37%		$ 2,000.00	$ 3,880.00	80.00%		$ 3,399.37	$ 6,594.78	66.01%	
15	P-152-4.1	Unclassified Excavation (Estimated)	7,830	CY	$ 17.50	$ 137,025.00		$ 13.00	$ 101,790.00	25.71%		$ 17.80	139374	-1.71%		$ 20.00	$ 156,600.00	-14.29%		$ 18.21	$ 142,584.30	-4.06%	
16	P-155-8.1	Lime-Treated Subgrade, 6" Depth (P-155)	6,130	SY	$ 3.50	$ 21,455.00		$ 6.00	$ 36,780.00	-71.43%		$ 5.54	33960.2	-58.29%		$ 1.50	$ 9,195.00	57.14%		$ 10.71	$ 65,652.30	-206.00%	
17	P-155-8.2	Lime	130	TON	$ 175.00	$ 22,750.00		$ 185.00	$ 24,050.00	-5.71%		$ 186.03	24183.9	-6.30%		$ 150.00	$ 19,500.00	14.29%		$ 174.81	$ 22,725.30	0.11%	
18	P-208-5.1	Aggregate Base Course, 13" Depth (P-208)	1,010	SY	$ 35.00	$ 35,350.00		$ 65.00	$ 65,650.00	-85.71%		$ 25.30	25553	27.71%		$ 30.00	$ 30,300.00	14.29%		$ 30.90	$ 31,209.00	11.71%	
19	P-304-8.1	Cement-Treated Base Course, 8" Depth (P-304)	3,200	SY	$ 30.00	$ 96,000.00		$ 48.00	$ 153,600.00	-60.00%		$ 27.55	88160	8.17%		$ 30.00	$ 96,000.00	0.00%		$ 39.23	$ 125,536.00	-30.77%	
20	P-304-8.2	Cement-Treated Base Course, 16" Depth (P-304)	3,200	SY	$ 60.00	$ 192,000.00		$ 96.00	$ 307,200.00	-60.00%		$ 55.07	176224	8.22%		$ 60.00	$ 192,000.00	0.00%		$ 68.17	$ 218,144.00	-13.62%	
21	P-403-8.1	HMA Pavement (3" Surface Course)	520	TON	$ 150.00	$ 78,000.00		$ 350.00	$ 182,000.00	-133.33%		$ 235.53	122475.6	-57.02%		$ 180.00	$ 93,600.00	-20.00%		$ 234.60	$ 121,992.00	-56.40%	
22	P-501-8.1	Portland Cement Concrete Pavement, 16" Depth	2,890	SY	$ 110.00	$ 317,900.00		$ 155.00	$ 447,950.00	-40.91%		$ 94.07	271862.3	14.48%		$ 130.00	$ 375,700.00	-18.18%		$ 102.38	$ 295,878.20	6.93%	
23	P-604-6.1	Preformed Sealer, 1/2-inch Joint	2,780	LF	$ 4.50	$ 12,510.00		$ 4.75	$ 13,205.00	-5.56%		$ 5.38	14956.4	-19.56%		$ 10.00	$ 27,800.00	-122.22%		$ 4.85	$ 13,483.00	-7.78%	
24	P-604-6.2	Preformed Sealer, 1-inch Joint	530	LF	$ 5.00	$ 2,650.00		$ 13.50	$ 7,155.00	-170.00%		$ 14.96	7928.8	-199.20%		$ 25.00	$ 13,250.00	-400.00%		$ 13.47	$ 7,139.10	-169.40%	
25	P-604-6.3	Hot Applied Edge Seal	1,020	LF	$ 2.50	$ 2,550.00		$ 4.00	$ 4,080.00	-60.00%		$ 4.53	4620.6	-81.20%		$ 8.00	$ 8,160.00	-220.00%		$ 4.08	$ 4,161.60	-63.20%	
26	P-620-5.1	Reflective Yellow Taxiway Pavement Markings, Waterborne	2,890	SF	$ 2.00	$ 5,780.00		$ 4.00	$ 11,560.00	-100.00%		$ 1.59	4595.1	20.50%		$ 5.00	$ 14,450.00	-150.00%		$ 1.10	$ 3,179.00	45.00%	
27	P-620-5.3	Non-Reflective Black Pavement Markings, Waterborne	4,080	SF	$ 1.50	$ 6,120.00		$ 3.00	$ 12,240.00	-100.00%		$ 1.02	4161.6	32.00%		$ 4.00	$ 16,320.00	-166.67%		$ 0.38	$ 1,550.40	74.67%	
28	P-620-5.4	Reflective Surface Painted Holding Position Signs, Waterborne	860	SF	$ 2.00	$ 1,720.00		$ 8.50	$ 7,310.00	-325.00%		$ 1.36	1169.6	32.00%		$ 10.00	$ 8,600.00	-400.00%		$ 2.52	$ 2,167.20	-26.00%	
29	P-620-5.5	Pavement Marking Obliteration	830	SF	$ 3.50	$ 2,905.00		$ 10.50	$ 8,715.00	-200.00%		$ 3.42	2838.6	2.29%		$ 12.00	$ 9,960.00	-242.86%		$ 1.10	$ 913.00	68.57%	
30	T-904-5.1	Sodding, 2" Depth (T-904)	9,390.00	SY	$ 6.00	$ 56,340.00		$ 4.00	$ 37,560.00	33.33%		$ 7.30	68547	-21.67%		$ 5.00	$ 46,950.00	16.67%		$ 5.93	$ 55,682.70	1.17%	
31	T-905-5.1	Top Soil, 2" Depth (T-905)	520	CY	$ 25.00	$ 13,000.00		$ 15.00	$ 7,800.00	40.00%		$ 51.00	26520	-104.00%		$ 25.00	$ 13,000.00	0.00%		$ 20.63	$ 10,727.60	17.48%	
32	D-705-5.1	Underdrain System	1	LS	$ 5,000.00	$ 5,000.00		$ 9,000.00	$ 9,000.00	-80.00%		$ 19,911.67	19911.67	-298.23%		$ 40,000.00	$ 40,000.00	-700.00%		$ 15,409.03	$ 15,409.03	-208.18%	
33	L-100-5.3	Electrical Demolition	0.2	LS	$ 500,000.00	$ 100,000.00		$ 43,000.00	$ 8,600.00	91.40%		$ 46,182.30	9236.46	90.76%		$ 45,000.00	$ 9,000.00	91.00%		$ 40,453.05	$ 8,090.61	91.91%	
34	L-105-6.3	Alternate 1 Temporary Jumpers, Lighting and Signage	1.00	LS	$ 10,000.00	$ 10,000.00		$ 2,100.00	$ 2,100.00	79.00%		$ 2,395.71	2395.71	76.04%		$ 2,400.00	$ 2,400.00	76.00%		$ 2,098.50	$ 2,098.50	79.02%	
35	L-108-5.1	L-824, Type C, 1/C #8, 5 kV Cable	2,390	LF	$ 1.50	$ 3,585.00		$ 1.35	$ 3,226.50	10.00%		$ 1.56	3728.4	-4.00%		$ 1.50	$ 3,585.00	0.00%		$ 1.37	$ 3,274.30	8.67%	
36	L-108-5.3	Bare, 1/C #6, Counterpoise Wire	1,400	LF	$ 2.30	$ 3,220.00		$ 1.15	$ 1,610.00	50.00%		$ 1.27	1778	44.78%		$ 1.30	$ 1,820.00	43.48%		$ 1.11	$ 1,554.00	51.74%	
37	L-110-5.1	Single-way 2" Conduit, Direct Buried	1,210	LF	$ 14.00	$ 16,940.00		$ 20.15	$ 24,381.50	-43.93%		$ 23.09	27938.9	-64.93%		$ 24.00	$ 29,040.00	-71.43%		$ 20.23	$ 24,478.30	-44.50%	
38	L-110-5.9	System Drain, (1) 2" Conduit, Concrete Encased	180	LF	$ 20.00	$ 3,600.00		$ 25.50	$ 4,590.00	-27.50%		$ 28.86	5194.8	-44.30%		$ 28.00	$ 5,040.00	-40.00%		$ 25.28	$ 4,550.40	-26.40%	
39	L-858-5.2	New Size 3, 2-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	1	EA	$ 5,500.00	$ 5,500.00		$ 2,800.00	$ 2,800.00	49.09%		$ 3,175.03	3175.03	42.27%		$ 3,000.00	$ 3,000.00	45.45%		$ 2,781.15	$ 2,781.15	49.43%	
40	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		$ 3,000.00	$ 3,000.00	60.00%		$ 3,348.22	3348.22	55.36%		$ 3,200.00	$ 3,200.00	57.33%		$ 2,932.85	$ 2,932.85	60.90%	
41	L-861T-4.1	New L-861T LED Taxiway Edge Light with New Isolation Transformer on New Base	14	EA	$ 500.00	$ 7,000.00		$ 451.00	$ 6,314.00	9.80%		$ 519.55	7273.7	-3.91%		$ 500.00	$ 7,000.00	0.00%		$ 455.10	$ 6,371.40	8.98%	
42	L-861T-4.3	Salvage and Reinstall L-861T Quartz Taxiway Edge Light with New Isolation Transformer on New Base	8	EA	$ 150.00	$ 1,200.00		$ 321.00	$ 2,568.00	-114.00%		$ 369.46	2955.68	-146.31%		$ 350.00	$ 2,800.00	-133.33%		$ 323.63	$ 2,589.04	-115.75%	
43	L-867/868-6.1	Size "B" L-867 Base Can for Any New, Reinstalled or Future Fixture in New Asphalt Shoulder	13	EA	$ 1,300.00	$ 16,900.00		$ 1,053.00	$ 13,689.00	19.00%		$ 1,212.29	15759.77	6.75%		$ 1,200.00	$ 15,600.00	7.69%		$ 1,061.89	$ 13,804.57	18.32%	
						Total Amount	**$ 1,620,542.00**		**$ 1,926,080.75**	**-18.85%**			**$ 1,754,793.50**	**-8.28%**			**$ 1,345,500.00**	**16.97%**			**$ 1,739,170.81**	**-7.32%**	

SAN ANTONIO INTERNATIONAL AIRPORT
TERMINAL AREA TAXIWAY IMPROVEMENTS (PACKAGE 4)

Date Prepared: June 30, 2016

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.		Archer Western Unit Price	Archer Western Amount	% Difference to Eng. Est.	
BASE BID							7.66%				4.4%				10.4%				0.6%				8.2%
1	100.1	Mobilization/Demobilization	1	LS	$ 48,700.00	$ 48,700.00	4.59%	$ 50,000.00	$ 50,000.00	-2.67%	3.66%	$ 101,494.57	$ 101,494.57	-108.41%	9.28%	$ 4,500.00	$ 4,500.00	90.76%	0.52%	$ 81,856.30	$ 81,856.30	-68.08%	6.54%
2	100.2	Contractor Staging Area	1	Allow	$ 25,000.00	$ 25,000.00	2.36%	$ 25,000.00	$ 25,000.00	0.00%	1.83%	$ 25,000.00	25000	0.00%	2.29%	$ 25,000.00	$ 25,000.00	0.00%	2.91%	$ 25,000.00	$ 25,000.00	0	2.00%
3	100.3	Insurance and Bonds	1	LS	$ 16,300.00	$ 16,300.00	1.54%	$ 15,000.00	$ 15,000.00	7.98%	1.10%	$ 13,275.05	13275.05	18.56%	1.21%	$ 1,000.00	$ 1,000.00	93.87%	0.12%	$ 15,344.00	$ 15,344.00	5.87%	1.23%
4	100.4	Airside Safety and Security / Traffic Control	1	LS	$ 81,100.00	$ 81,100.00	7.65%	$ 150,000.00	$ 150,000.00	-84.96%	10.97%	$ 186,108.62	186108.62	-129.48%	17.02%	$ 10,000.00	$ 10,000.00	87.67%	1.16%	$ 94,941.40	$ 94,941.40	-17.07%	7.59%
5	101.1	Preparing Right-of-Way	1	LS	$ 32,500.00	$ 32,500.00	3.07%	$ 10,000.00	$ 10,000.00	69.23%	0.73%	$ 11,821.37	11821.37	63.63%	1.08%	$ 1,000.00	$ 1,000.00	96.92%	0.12%	$ 20,947.00	$ 20,947.00	35.55%	1.67%
6	540.1	Storm Water Pollution Prevention Plan	1	LS	$ 15,000.00	$ 15,000.00	1.41%	$ 10,000.00	$ 10,000.00	33.33%	0.73%	$ 6,117.67	6117.67	59.22%	0.56%	$ 1,000.00	$ 1,000.00	93.33%	0.12%	$ 29,518.27	$ 29,518.27	-96.79%	2.36%
7	GP 60-05	Field Office and Curing Facilities	1	LS	$ 15,000.00	$ 15,000.00	1.41%	$ 45,000.00	$ 45,000.00	-200.00%	3.29%	$ 32,604.93	32604.93	-117.37%	2.98%	$ 1,000.00	$ 1,000.00	93.33%	0.12%	$ 122,775.00	$ 122,775.00	-718.50%	9.82%
8	P-100-2.1	Contractor Quality Control	1	LS	$ 16,300.00	$ 16,300.00		$ 20,000.00	$ 20,000.00	-22.70%		$ 9,859.39	9859.39	39.51%		$ 1,000.00	$ 1,000.00	93.87%		$ 74,945.00	$ 74,945.00	-359.79%	
9	P-101-5.1	Portland Cement Concrete Pavement Removal, Including Thickened Edge and Reinforcement	3,070	SY	$ 20.00	$ 61,400.00		$ 16.50	$ 50,655.00	17.50%		$ 18.44	56610.8	7.80%		$ 15.00	$ 46,050.00	25.00%		$ 16.77	$ 51,483.90	16.15%	
10	P-101-5.3	Cement-Treated Base Removal	3,070	SY	$ 15.00	$ 46,050.00		$ 15.25	$ 46,817.50	-1.67%		$ 8.42	25849.4	43.87%		$ 8.00	$ 24,560.00	46.67%		$ 15.64	$ 48,014.80	-4.27%	
11	P-101-5.4	Concrete Pavement Saw Cut (Full Depth)	520.00	LF	$ 18.00	$ 9,360.00		$ 5.75	$ 2,990.00	68.06%		$ 6.35	3302	64.72%		$ 20.00	$ 10,400.00	-11.11%		$ 24.02	$ 12,490.40	-33.44%	
12	P-151-4.1	Clearing and Grubbing	0	AC	$ 10,000.00	$ 1,700.00		$ 3,500.00	$ 595.00	65.00%		$ 7,651.06	1300.6802	23.49%		$ 2,000.00	$ 340.00	80.00%		$ 16,396.53	$ 2,787.41	-63.97%	
13	P-152-4.1	Unclassified Excavation (Estimated)	165	CY	$ 17.50	$ 2,887.50		$ 18.00	$ 2,970.00	-2.86%		$ 17.80	2937	-1.71%		$ 65.00	$ 10,725.00	-271.43%		$ 134.88	$ 22,255.20	-670.74%	
14	P-155-8.1	Lime-Treated Subgrade, 6" Depth (P-155)	3,230	SY	$ 3.50	$ 11,305.00		$ 10.00	$ 32,300.00	-185.71%		$ 5.54	17894.2	-58.29%		$ 1.50	$ 4,845.00	57.14%		$ 8.83	$ 28,520.90	-152.29%	
15	P-155-8.2	Lime	70	TON	$ 175.00	$ 12,250.00		$ 185.00	$ 12,950.00	-5.71%		$ 186.03	13022.1	-6.30%		$ 150.00	$ 10,500.00	14.29%		$ 174.81	$ 12,236.70	0.11%	
16	P-208-5.1	Aggregate Base Course, 13" Depth (P-208)	510	SY	$ 35.00	$ 17,850.00		$ 70.00	$ 35,700.00	-100.00%		$ 25.29	12897.9	27.74%		$ 30.00	$ 15,300.00	14.29%		$ 30.07	$ 15,335.70	14.09%	
17	P-304-8.2	Cement-Treated Base Course, 16" Depth (P-304)	3,200	SY	$ 60.00	$ 192,000.00		$ 95.00	$ 304,000.00	-58.33%		$ 55.07	176224	8.22%		$ 60.00	$ 192,000.00	0.00%		$ 58.41	$ 186,912.00	2.65%	
18	P-501-8.1	Portland Cement Concrete Pavement, 16" Depth	3,070	SY	$ 110.00	$ 337,700.00		$ 155.00	$ 475,850.00	-40.91%		$ 104.69	321398.3	4.83%		$ 130.00	$ 399,100.00	-18.18%		$ 109.03	$ 334,722.10	0.88%	
19	P-604-6.1	Preformed Sealer, 1/2-inch Joint	2,120	LF	$ 4.50	$ 9,540.00		$ 4.75	$ 10,070.00	-5.56%		$ 5.38	11405.6	-19.56%		$ 10.00	$ 21,200.00	-122.22%		$ 4.85	$ 10,282.00	-7.78%	
20	P-604-6.2	Preformed Sealer, 1-inch Joint	360	LF	$ 5.00	$ 1,800.00		$ 13.25	$ 4,770.00	-165.00%		$ 14.96	5385.6	-199.20%		$ 25.00	$ 9,000.00	-400.00%		$ 13.47	$ 4,849.20	-169.40%	
21	P-620-5.1	Reflective Yellow Taxiway Pavement Markings, Waterborne	420	SF	$ 2.00	$ 840.00		$ 10.50	$ 4,410.00	-425.00%		$ 1.59	667.8	20.50%		$ 12.00	$ 5,040.00	-500.00%		$ 10.97	$ 4,607.40	-448.50%	
22	P-620-5.3	Non-Reflective Black Pavement Markings, Waterborne	810	SF	$ 1.50	$ 1,215.00		$ 10.50	$ 8,505.00	-600.00%		$ 1.02	826.2	32.00%		$ 12.00	$ 9,720.00	-700.00%		$ 0.38	$ 307.80	74.67%	
23	P-620-5.5	Pavement Marking Obliteration	270	SF	$ 3.50	$ 945.00		$ 27.25	$ 7,357.50	-678.57%		$ 3.81	1028.7	-8.86%		$ 30.00	$ 8,100.00	-757.14%		$ 17.39	$ 4,695.30	-396.86%	
24	T-904-5.1	Sodding, 2" Depth (T-904)	820	SY	$ 6.00	$ 4,920.00		$ 4.25	$ 3,485.00	29.17%		$ 13.17	10799.4	-119.50%		$ 5.00	$ 4,100.00	16.67%		$ 8.35	$ 6,847.00	-39.17%	
25	T-905-5.1	Top Soil, 2" Depth (T-905)	50	CY	$ 25.00	$ 1,250.00		$ 11.00	$ 550.00	56.00%		$ 51.00	2550	-104.00%		$ 25.00	$ 1,250.00	0.00%		$ 22.74	$ 1,137.00	9.04%	
26	L-100-5.3	Electrical Demolition	0.10	LS	$ 500,000.00	$ 50,000.00		$ 46,000.00	$ 4,600.00	90.80%		$ 46,182.50	4618.25	90.76%		$ 45,000.00	$ 4,500.00	91.00%		$ 40,453.10	$ 4,045.31	91.91%	
27	L-105-6.4	Alternate 2 Temporary Jumpers, Lighting and Signage	1	LS	$ 10,000.00	$ 10,000.00		$ 3,200.00	$ 3,200.00	68.00%		$ 3,579.12	3579.12	64.21%		$ 3,500.00	$ 3,500.00	65.00%		$ 3,135.11	$ 3,135.11	68.65%	
28	L-108-5.1	L-824, Type C, 1/C #8, 5 kV Cable	1,300	LF	$ 1.50	$ 1,950.00		$ 1.40	$ 1,820.00	6.67%		$ 1.56	2028	-4.00%		$ 1.55	$ 2,015.00	-3.33%		$ 1.37	$ 1,781.00	8.67%	
29	L-108-5.3	Bare, 1/C #6, Counterpoise Wire	500	LF	$ 2.30	$ 1,150.00		$ 1.15	$ 575.00	50.00%		$ 1.27	635	44.78%		$ 1.30	$ 650.00	43.48%		$ 1.11	$ 555.00	51.74%	
30	L-110-5.5	Single-way 2" Conduit, Concrete Encased	380.00	LF	$ 16.00	$ 6,080.00		$ 25.25	$ 9,595.00	-57.81%		$ 28.86	10966.8	-80.38%		$ 28.00	$ 10,640.00	-75.00%		$ 25.28	$ 9,606.40	-58.00%	
31	L-110-5.9	System Drain, (1) 2" Conduit, Concrete Encased	120	LF	$ 20.00	$ 2,400.00		$ 25.25	$ 3,030.00	-26.25%		$ 28.86	3463.2	-44.30%		$ 28.00	$ 3,360.00	-40.00%		$ 25.28	$ 3,033.60	-26.40%	
32	L-852-4.1	Remove and Relocate In-pavement L-852A Taxiway Centerline Light with New Isolation Transformer on New Base	4	EA	$ 450.00	$ 1,800.00		$ 330.00	$ 1,320.00	26.67%		$ 375.23	1500.92	16.62%		$ 400.00	$ 1,600.00	11.11%		$ 328.68	$ 1,314.72	26.96%	
33	L-867/868-6.3	Size “B” L-868 Base Can – “Standard Installation (New PCCP)”	6	EA	$ 2,800.00	$ 16,800.00		$ 1,425.00	$ 8,550.00	49.11%		$ 1,616.38	9698.28	42.27%		$ 1,600.00	$ 9,600.00	42.86%		$ 1,415.86	$ 8,495.16	49.43%	
34	L-867/868-6.4	Size “B” L-868 Base Can – “Core Drill New PCCP” Installation at Joint or Sawcut	2.00	EA	$ 3,200.00	$ 6,400.00		$ 2,750.00	$ 5,500.00	14.06%		$ 3,117.31	6234.62	2.58%		$ 3,200.00	$ 6,400.00	0.00%		$ 2,730.59	$ 5,461.18	14.67%	
35	L-867/868-6.6	New Size "B" L-868 Blank Base Can Cover	4	EA	$ 175.00	$ 700.00		$ 121.00	$ 484.00	30.86%		$ 138.55	554.2	20.83%		$ 135.00	$ 540.00	22.86%		$ 121.36	$ 485.44	30.65%	
					Total Amount	**$ 1,060,192.50**			**$ 1,367,649.00**	**-29.00%**			**$ 1,093,659.67**	**-3.16%**			**$ 859,535.00**	**18.93%**			**$ 1,250,724.70**	**-17.97%**	

	Engineer's Estimate	Jordan Foster Construction	Spaw Glass Civil Construction, Inc.	J3 Company, LLC	Archer Western
BASE BID	$ 249,900.00	$ 325,000.00	$ 386,281.60	$ 44,500.00	$ 465,326.97

SAN ANTONIO INTERNATIONAL AIRPORT
TERMINAL AREA TAXIWAY IMPROVEMENTS (PACKAGE 4)

Date Prepared: June 30, 2016

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.		Archer Western Unit Price	Archer Western Amount	% Difference to Eng. Est.	
BASE BID							7.81%				4.2%				5.9%				0.2%				8.5%
					$ 676,600.00			$ 595,000.00				$ 609,914.62				$ 44,500.00				$ 895,283.74			
1	100.1	Mobilization/Demobilization	1	LS	$ 155,400.00	$ 155,400.00	4.68%	$ 150,000.00	$ 150,000.00	3.47%	3.92%	$ 162,158.57	$ 162,158.57	-4.35%	5.49%	$ 4,500.00	$ 4,500.00	97.10%	0.16%	$ 241,155.78	$ 241,155.78	-55.18%	6.83%
2	100.2	Contractor Staging Area	1	Allow	$ 25,000.00	$ 25,000.00	0.75%	$ 25,000.00	$ 25,000.00	0.00%	0.65%	$ 25,000.00	25000	0.00%	0.85%	$ 25,000.00	$ 25,000.00	0.00%	0.90%	$ 25,000.00	$ 25,000.00	0	0.71%
3	100.3	Insurance and Bonds	1	LS	$ 51,800.00	$ 51,800.00	1.56%	$ 15,000.00	$ 15,000.00	71.04%	0.39%	$ 18,129.05	18129.05	65.00%	0.61%	$ 1,000.00	$ 1,000.00	98.07%	0.04%	$ 43,476.00	$ 43,476.00	16.07%	1.23%
4	100.4	Airside Safety and Security / Traffic Control	1	LS	$ 259,000.00	$ 259,000.00	7.81%	$ 300,000.00	$ 300,000.00	-15.83%	7.84%	$ 294,895.56	294895.56	-13.86%	9.98%	$ 10,000.00	$ 10,000.00	96.14%	0.36%	$ 198,574.50	$ 198,574.50	23.33%	5.62%
5	101.1	Preparing Right-of-Way	1	LS	$ 103,600.00	$ 103,600.00	3.12%	$ 10,000.00	$ 10,000.00	90.35%	0.26%	$ 11,821.37	11821.37	88.59%	0.40%	$ 1,000.00	$ 1,000.00	99.03%	0.04%	$ 57,287.00	$ 57,287.00	44.70%	1.62%
6	540.1	Storm Water Pollution Prevention Plan	1	LS	$ 15,000.00	$ 15,000.00	0.45%	$ 20,000.00	$ 20,000.00	-33.33%	0.52%	$ 27,451.50	27451.5	-83.01%	0.93%	$ 1,000.00	$ 1,000.00	93.33%	0.04%	$ 40,565.45	$ 40,565.45	-170.44%	1.15%
7	GP 60-05	Field Office and Curing Facilities	1	LS	$ 15,000.00	$ 15,000.00	0.45%	$ 45,000.00	$ 45,000.00	-200.00%	1.18%	$ 58,445.98	58445.98	-289.64%	1.98%	$ 1,000.00	$ 1,000.00	93.33%	0.04%	$ 173,475.01	$ 173,475.01	-1056.50%	4.91%
8	P-100-2.1	Contractor Quality Control	1	LS	$ 51,800.00	$ 51,800.00		$ 30,000.00	$ 30,000.00	42.08%		$ 12,012.59	12012.59	76.81%		$ 1,000.00	$ 1,000.00	98.07%		$ 115,750.00	$ 115,750.00	-123.46%	
9	P-101-5.1	Portland Cement Concrete Pavement Removal, Including Thickened Edge and Reinforcement	7,170	SY	$ 20.00	$ 143,400.00		$ 16.00	$ 114,720.00	20.00%		$ 18.08	129633.6	9.60%		$ 15.00	$ 107,550.00	25.00%		$ 16.44	$ 117,874.80	17.80%	
10	P-101-5.2	Bituminous Pavement Removal	1,180	SY	$ 15.00	$ 17,700.00		$ 18.50	$ 21,830.00	-23.33%		$ 11.04	13027.2	26.40%		$ 16.00	$ 18,880.00	-6.67%		$ 18.82	$ 22,207.60	-25.47%	
11	P-101-5.3	Cement-Treated Base Removal	8,340.00	SY	$ 15.00	$ 125,100.00		$ 16.00	$ 133,440.00	-6.67%		$ 8.74	72891.6	41.73%		$ 8.00	$ 66,720.00	46.67%		$ 15.89	$ 132,522.60	-5.93%	
12	P-101-5.4	Concrete Pavement Saw Cut (Full Depth)	1,284	LF	$ 18.00	$ 23,112.00		$ 6.00	$ 7,704.00	66.67%		$ 6.35	8153.4	64.72%		$ 20.00	$ 25,680.00	-11.11%		$ 23.37	$ 30,007.08	-29.83%	
13	P-101-5.5	AC Pavement Saw Cut (Full Depth)	55	LF	$ 5.00	$ 275.00		$ 3.25	$ 178.75	35.00%		$ 3.63	199.65	27.40%		$ 20.00	$ 1,100.00	-300.00%		$ 5.39	$ 296.45	-7.80%	
14	P-151-4.1	Clearing and Grubbing	2	AC	$ 10,000.00	$ 15,400.00		$ 3,000.00	$ 4,620.00	70.00%		$ 6,357.11	9789.9494	36.43%		$ 2,000.00	$ 3,080.00	80.00%		$ 4,303.81	$ 6,627.87	56.96%	
15	P-151-4.2	Remove Existing Storm Drain Pipe	377	LF	$ 50.00	$ 18,850.00		$ 80.00	$ 30,160.00	-60.00%		$ 25.42	9583.34	49.16%		$ 25.00	$ 9,425.00	50.00%		$ 33.04	$ 12,456.08	33.92%	
16	P-151-4.3	Remove Existing Catch Basin or Manhole	1	EA	$ 1,000.00	$ 1,000.00		$ 15,000.00	$ 15,000.00	-1400.00%		$ 1,613.01	1613.01	-61.30%		$ 2,000.00	$ 2,000.00	-100.00%		$ 15,947.98	$ 15,947.98	-1494.80%	
17	P-152-4.1	Unclassified Excavation (Estimated)	7,000	CY	$ 17.50	$ 122,500.00		$ 12.00	$ 84,000.00	31.43%		$ 17.80	124600	-1.71%		$ 20.00	$ 140,000.00	-14.29%		$ 27.65	$ 193,550.00	-58.00%	
18	P-155-8.1	Lime-Treated Subgrade, 6" Depth (P-155)	10,670	SY	$ 3.50	$ 37,345.00		$ 6.00	$ 64,020.00	-71.43%		$ 5.54	59111.8	-58.29%		$ 1.50	$ 16,005.00	57.14%		$ 13.25	$ 141,377.50	-278.57%	
19	P-155-8.2	Lime	230	TON	$ 175.00	$ 40,250.00		$ 185.00	$ 42,550.00	-5.71%		$ 186.03	42786.9	-6.30%		$ 150.00	$ 34,500.00	14.29%		$ 174.81	$ 40,206.30	0.11%	
20	P-208-5.1	Aggregate Base Course, 13" Depth (P-208)	800	SY	$ 35.00	$ 28,000.00		$ 65.00	$ 52,000.00	-85.71%		$ 25.30	20240	27.71%		$ 30.00	$ 24,000.00	14.29%		$ 30.95	$ 24,760.00	11.57%	
21	P-304-8.1	Cement-Treated Base Course, 8" Depth (P-304)	2,400	SY	$ 30.00	$ 72,000.00		$ 45.00	$ 108,000.00	-50.00%		$ 27.55	66120	8.17%		$ 30.00	$ 72,000.00	0.00%		$ 29.27	$ 70,248.00	2.43%	
22	P-304-8.2	Cement-Treated Base Course, 16" Depth (P-304)	8,500	SY	$ 60.00	$ 510,000.00		$ 95.00	$ 807,500.00	-58.33%		$ 55.06	468010	8.23%		$ 60.00	$ 510,000.00	0.00%		$ 58.17	$ 494,445.00	3.05%	
23	P-403-8.1	HMA Pavement (3" Surface Course)	390	TON	$ 150.00	$ 58,500.00		$ 325.00	$ 126,750.00	-116.67%		$ 235.53	91856.7	-57.02%		$ 180.00	$ 70,200.00	-20.00%		$ 234.60	$ 91,494.00	-56.40%	
24	P-501-8.1	Portland Cement Concrete Pavement, 16" Depth	8,230	SY	$ 110.00	$ 905,300.00		$ 155.00	$ 1,275,650.00	-40.91%		$ 95.84	788763.2	12.87%		$ 130.00	$ 1,069,900.00	-18.18%		$ 105.29	$ 866,536.70	4.28%	
25	P-604-6.1	Preformed Sealer, 1/2-inch Joint	6,840	LF	$ 4.50	$ 30,780.00		$ 4.75	$ 32,490.00	-5.56%		$ 5.38	36799.2	-19.56%		$ 10.00	$ 68,400.00	-122.22%		$ 4.85	$ 33,174.00	-7.78%	
26	P-604-6.2	Preformed Sealer, 1-inch Joint	950.00	LF	$ 5.00	$ 4,750.00		$ 13.50	$ 12,825.00	-170.00%		$ 14.96	14212	-199.20%		$ 25.00	$ 23,750.00	-400.00%		$ 13.47	$ 12,796.50	-169.40%	
27	P-604-6.3	Hot Applied Edge Seal	740	LF	$ 2.50	$ 1,850.00		$ 4.00	$ 2,960.00	-60.00%		$ 4.53	3352.2	-81.20%		$ 8.00	$ 5,920.00	-220.00%		$ 4.08	$ 3,019.20	-63.20%	
28	P-620-5.1	Reflective Yellow Taxiway Pavement Markings, Waterborne	29,030	SF	$ 2.00	$ 58,060.00		$ 1.50	$ 43,545.00	25.00%		$ 1.59	46157.7	20.50%		$ 4.00	$ 116,120.00	-100.00%		$ 1.65	$ 47,899.50	17.50%	
29	P-620-5.3	Non-Reflective Black Pavement Markings, Waterborne	3,160	SF	$ 1.50	$ 4,740.00		$ 1.35	$ 4,266.00	10.00%		$ 1.02	3223.2	32.00%		$ 5.00	$ 15,800.00	-233.33%		$ 0.38	$ 1,200.80	74.67%	
30	P-620-5.4	Reflective Surface Painted Holding Position Signs, Waterborne	860.00	SF	$ 2.00	$ 1,720.00		$ 19.00	$ 16,340.00	-850.00%		$ 1.36	1169.6	32.00%		$ 25.00	$ 21,500.00	-1150.00%		$ 2.52	$ 2,167.20	-26.00%	
31	P-620-5.5	Pavement Marking Obliteration	1,780	SF	$ 3.50	$ 6,230.00		$ 4.80	$ 8,544.00	-37.14%		$ 2.91	5179.8	16.86%		$ 6.00	$ 10,680.00	-71.43%		$ 3.57	$ 6,354.60	-2.00%	
32	T-904-5.1	Sodding, 2" Depth (T-904)	7,440	SY	$ 6.00	$ 44,640.00		$ 4.00	$ 29,760.00	33.33%		$ 7.84	58329.6	-30.67%		$ 5.00	$ 37,200.00	16.67%		$ 5.92	$ 44,044.80	1.33%	
33	T-905-5.1	Top Soil, 2" Depth (T-905)	410	CY	$ 25.00	$ 10,250.00		$ 11.00	$ 4,510.00	56.00%		$ 60.07	24628.7	-140.28%		$ 25.00	$ 10,250.00	0.00%		$ 22.62	$ 9,274.20	9.52%	
34	D-701-5.3	66" RGRCP, Class V	16.00	LF	$ 300.00	$ 4,800.00		$ 3.25	$ 52.00	98.92%		$ 529.48	8471.68	-76.49%		$ 900.00	$ 14,400.00	-200.00%		$ 910.75	$ 14,572.00	-203.58%	
35	D-701-5.4	Concrete Pipe Collar	2	EA	$ 1,500.00	$ 3,000.00		$ 750.00	$ 1,500.00	50.00%		$ 1,892.50	3785	-26.17%		$ 1,000.00	$ 2,000.00	33.33%		$ 429.55	$ 859.10	71.36%	
36	D-751-5.1	Catch Basins	1	EA	$ 7,000.00	$ 7,000.00		$ 6,500.00	$ 6,500.00	7.14%		$ 23,355.05	23355.05	-233.64%		$ 20,000.00	$ 20,000.00	-185.71%		$ 23,965.47	$ 23,965.47	-242.36%	
37	D-751-5.2	Adjust Existing Manhole/Inlet	1	EA	$ 10,000.00	$ 10,000.00		$ 1,500.00	$ 1,500.00	85.00%		$ 8,262.12	8262.12	17.38%		$ 12,000.00	$ 12,000.00	-20.00%		$ -	$ -	100.00%	
38	L-100-5.3	Electrical Demolition	0	LS	$ 500,000.00	$ 100,000.00		$ 43,000.00	$ 8,600.00	91.40%		$ 46,182.30	9236.46	90.76%		$ 45,000.00	$ 9,000.00	91.00%		$ 40,453.05	$ 8,090.61	91.91%	
39	L-105-6.5	Alternate 3 Temporary Jumpers, Lighting and Signage	1	LS	$ 20,000.00	$ 20,000.00		$ 11,000.00	$ 11,000.00	45.00%		$ 12,584.69	12584.69	37.08%		$ 13,000.00	$ 13,000.00	35.00%		$ 11,023.46	$ 11,023.46	44.88%	
40	L-108-5.1	L-824, Type C, 1/C #8, 5 kV Cable	4,000	LF	$ 1.50	$ 6,000.00		$ 1.40	$ 5,600.00	6.67%		$ 1.56	6240	-4.00%		$ 1.55	$ 6,200.00	-3.33%		$ 1.37	$ 5,480.00	8.67%	
41	L-108-5.2	L-824, Type C, 1/C #6, 5 kV Cable	600	LF	$ 1.75	$ 1,050.00		$ 1.45	$ 870.00	17.14%		$ 1.62	972	7.43%		$ 1.65	$ 990.00	5.71%		$ 1.42	$ 852.00	18.86%	
42	L-108-5.3	Bare, 1/C #6, Counterpoise Wire	2,600	LF	$ 2.30	$ 5,980.00		$ 1.15	$ 2,990.00	50.00%		$ 1.27	3302	44.78%		$ 1.30	$ 3,380.00	43.48%		$ 1.11	$ 2,886.00	51.74%	
43	L-110-5.1	Single-way 2" Conduit, Direct Buried	1,130	LF	$ 14.00	$ 15,820.00		$ 20.25	$ 22,882.50	-44.64%		$ 23.09	26091.7	-64.93%		$ 24.00	$ 27,120.00	-71.43%		$ 20.23	$ 22,859.90	-44.50%	
44	L-110-5.3	Multiple-way (6) 2-inch Conduits, Direct Buried	180	LF	$ 80.00	$ 14,400.00		$ 51.00	$ 9,180.00	36.25%		$ 57.73	10391.4	27.84%		$ 60.00	$ 10,800.00	25.00%		$ 50.57	$ 9,102.60	36.79%	
45	L-110-5.5	Single-way 2" Conduit, Concrete Encased	690	LF	$ 16.00	$ 11,040.00		$ 26.00	$ 17,940.00	-62.50%		$ 28.86	19913.4	-80.38%		$ 30.00	$ 20,700.00	-87.50%		$ 25.28	$ 17,443.20	-58.00%	
46	L-110-5.7	Multiple-way (6) 2-inch HDPE Conduits, Directional Bored	140	LF	$ 150.00	$ 21,000.00		$ 101.00	$ 14,140.00	32.67%		$ 115.46	16164.4	23.03%		$ 125.00	$ 17,500.00	16.67%		$ 101.13	$ 14,158.20	32.58%	
47	L-110-5.9	System Drain, (1) 2" Conduit, Concrete Encased	380	LF	$ 20.00	$ 7,600.00		$ 26.00	$ 9,880.00	-30.00%		$ 28.86	10966.8	-44.30%		$ 28.00	$ 10,640.00	-40.00%		$ 25.28	$ 9,606.40	-26.40%	
48	L-115-5.2	Extend Handhole To New Grade	1	EA	$ 15,000.00	$ 15,000.00		$ 3,500.00	$ 3,500.00	76.67%		$ 3,925.50	3925.5	73.83%		$ 3,800.00	$ 3,800.00	74.67%		$ 3,438.51	$ 3,438.51	77.08%	
49	L-115-5.4	Extend Two-Can Junction Can Plaza To New Grade	1	EA	$ 6,000.00	$ 6,000.00		$ 1,850.00	$ 1,850.00	69.17%		$ 2,078.20	2078.2	65.36%		$ 2,100.00	$ 2,100.00	65.00%		$ 1,820.39	$ 1,820.39	69.66%	
50	L-852-4.1	Remove and Relocate In-pavement L-852A Taxiway Centerline Light with New Isolation Transformer on New Base	13	EA	$ 450.00	$ 5,850.00		$ 350.00	$ 4,550.00	22.22%		$ 375.23	4877.99	16.62%		$ 400.00	$ 5,200.00	11.11%		$ 328.68	$ 4,272.84	26.96%	
51	L-858-5.5	Remove and Relocate Size 3, Any-Module Airside Guidance Sign, Installed on New Foundation	3	EA	$ 2,000.00	$ 6,000.00		$ 1,050.00	$ 3,150.00	47.50%		$ 1,154.56	3463.68	42.27%		$ 1,200.00	$ 3,600.00	40.00%		$ 1,011.33	$ 3,033.99	49.43%	
52	L-861T-4.2	Salvage and Reinstall L-861T LED Taxiway Edge Light with New Isolation Transformer on New Base	15	EA	$ 150.00	$ 2,250.00		$ 350.00	$ 5,250.00	-133.33%		$ 369.46	5541.9	-146.31%		$ 350.00	$ 5,250.00	-133.33%		$ 323.62	$ 4,854.30	-115.75%	
53	L-867/868-6.1	Size "B" L-867 Base Can for Any New, Reinstalled or Future Fixture in New Asphalt Shoulder	13	EA	$ 1,300.00	$ 16,900.00		$ 1,100.00	$ 14,300.00	15.38%		$ 1,212.29	15759.77	6.75%		$ 1,200.00	$ 15,600.00	7.69%		$ 1,061.89	$ 13,804.57	18.32%	
54	L-867/868-6.2	Size "B" L-867 Base Can for Any New, Reinstalled or Future Fixture in Non-Paved Shoulder	4	EA	$ 2,500.00	$ 10,000.00		$ 755.00	$ 3,020.00	69.80%		$ 865.92	3463.68	65.36%		$ 900.00	$ 3,600.00	64.00%		$ 758.50	$ 3,034.00	69.66%	
55	L-867/868-6.3	Size "B" L-868 Base Can – "Standard Installation (New PCCP)"	17	EA	$ 2,800.00	$ 47,600.00		$ 1,425.00	$ 24,225.00	49.11%		$ 1,616.38	27478.46	42.27%		$ 1,600.00	$ 27,200.00	42.86%		$ 1,415.86	$ 24,069.62	49.43%	
56	L-867/868-6.4	Size "B" L-868 Base Can – "Core Drill New PCCP" Installation at Joint or Sawcut	2	EA	$ 3,200.00	$ 6,400.00		$ 2,725.00	$ 5,450.00	14.84%		$ 3,117.31	6234.62	2.58%		$ 3,000.00	$ 6,000.00	6.25%		$ 2,730.59	$ 5,461.18	14.67%	
57	L-867/868-6.5	New Size "B" L-867 Blank Base Can Cover	2	EA	$ 150.00	$ 300.00		$ 125.00	$ 250.00	16.67%		$ 144.32	288.64	3.79%		$ 150.00	$ 300.00	0.00%		$ 126.42	$ 252.84	15.72%	
58	L-867/868-6.6	New Size "B" L-868 Blank Base Can Cover	6	EA	$ 175.00	$ 1,050.00		$ 151.00	$ 906.00	13.71%		$ 173.18	1039.08	1.04%		$ 180.00	$ 1,080.00	-2.86%		$ 151.70	$ 910.20	13.31%	
59	L-867/868-6.12	Concrete Foundation for 3-Module Sign	1	EA	$ 3,500.00	$ 3,500.00		$ 2,800.00	$ 2,800.00	20.00%		$ 3,175.03	3175.03	9.28%		$ 3,200.00	$ 3,200.00	8.57%		$ 2,781.15	$ 2,781.15	20.54%	
60	L-867/868-6.13	Concrete Foundation for 4-Module Sign	1	EA	$ 4,000.00	$ 4,000.00		$ 2,950.00	$ 2,950.00	26.25%		$ 3,348.22	3348.22	16.29%		$ 3,200.00	$ 3,200.00	20.00%		$ 2,932.85	$ 2,932.85	26.68%	
61	L-867/868-6.14	Concrete Foundation for 2+4-Module Sign	1	EA	$ 7,000.00	$ 7,000.00		$ 3,800.00	$ 3,800.00	45.71%		$ 4,271.87	4271.87	38.97%		$ 4,200.00	$ 4,200.00	40.00%		$ 3,741.91	$ 3,741.91	46.54%	
					Total Amount	**$ 3,317,892.00**			**$ 3,826,998.25**	**-15.34%**			**$ 2,954,030.31**	**10.97%**			**$ 2,777,220.00**	**16.30%**			**$ 3,531,079.79**	**-6.43%**	