ESTIMATED QUANTITIES

NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	QUANTITY	CHANGE ORDERS	ACTUAL QUANTITY
1	100.1	Mobilization (8% per limitations in Section 040)	LS	1		
2	100.2	Insurance and Bond	LS	1		
3	100.3	Lighted Portable Runway Closure Marker	EA	2		
4	100.4	Type 1 and Type 2 Barricades	LS	1		
5	100.5	Temporary Airfield Lighting And Signage	LS	1		
6	101.1	Preparing Right-of-Way	LS	1		
7	103.3	Remove Concrete Roadway (>10,000 S.F.)	SF	55,872		
8	103.4	Remove Miscellaneous Concrete	SF	3,308		
9	104.1	Street Excavation (1,000<x<10,000 C.Y.)	CY	1,035		
10	107.1	Embankment (Final)(Dens Cont)(TY A)	CY	210		
11	108.1	Lime-Treated Subgrade (6")	SY	2,258		
12	108.1	Lime-Treated Subgrade (8")	SY	7,768		
13	108.2	Lime	TON	268	1	
14	200.1	Flexible Base (8" Compacted Depth)	SY	2,258		
15	202.1	Prime Coat	SY	1,554		
16	205.2	Hot Mix Aspaltic Pvmt , Ty A (3" Comp Depth)	SY	2,258		
17	108.2	Hot Mix Asphaltic Pvmt (base), Ty B (4" Comp Depth)	SY	7,768	1	
18	209.1	Concrete Pavement (10" Deep)	SY	7,768		
19	307.1	Concrete Structure (Headwalls)	CY	12		
20	309.1	Precast Reinforced Concrete Culvert (3'x2')	LF	296		
21	401.4	Safety End Treatment	EA	5		
22	505.1	Concrete Riprap (5" Thick) (<100 S.Y.)	SY	30		
23	509.1	Metal Beam Guard Rail (<200 L.F.)	LF	57		
24	516.1	Bermuda Sodding (<2,000 S.Y.)	SY	1,667		
25	530.1	Barricades, Signs, and Traffic Handling	LS	1		
26	531.6	R2-1 Speed Limit (24"x30") (High Density)	EA	2		
27	537.1	Traffic Button (Type W)	EA	95		
28	689	Portable Traffic Signal System	EA	2	1	
29	540.1	Rock Filter Dams (Install/Remove) (Type 2)	LF	35		
30	540.6	Construction Exits (Install/Remove)	SY	305		
31	540.6	Construction Exits (Install/Remove) (Twy R)	SY	111		
32	540.9	Temporary Sediment Control Fence	LF	4,820		
33	540.9	Temporary Sediment Control Fence (Twy R)	LF	200		
34	550.1	Trench Excavation Safety Protection	LF	650		
35	P-150-4.1	Removal of 3-Inch to 4-Inch Bituminous Taxiway, Shoulder or Blast Pad Pavement	SY	1,900		
36	P-150-4.2	Removal of Metal Guardrail with Metal Posts	LF	200		
37	P-150-4.3	Removal of Existing Runway/Taxiway Pavement Markings	SF	6,000		
38	P-150-4.4	Removal of 16-Inch Concrete Pavement, including Thickened Edge, Base, Reinforcement (Depth Varies)	SY	10,425		
39	P-150-4.5	2-Inch Mill of Existing Concrete Pavement (Twy R)	SY	180		
40	P-150-4.6	Removal of Existing Inlet	EA	1		
41	P-150-4.7	Removal of Sanitary Manhole	EA	2		
42	P-150-4.8	Removal of Concrete Culverts (3 locations)	LS	1		
43	P-150-4.9	Removal of 2-Inch to 3-Inch Bituminous Access Road Pavement	SY	880	1	
44	P-150-4.10	Removal of Taxiway R Edge Light Base	EA	2		
45	P-151-4.1	Clearing and Grubbing	AC	6		
46	P-152-4.1	Unclassified Excavation	CY	12,600		
47	P-154-5.1	6-Inch (Depth) Aggregate Subbase Course	SY	20,585	1	
48	P-155-8.1	6-Inch (Depth) Lime-Treated Subgrade (7%)	SY	21,425		
49	P-155-8.2	Lime	TON	455		
50	P-209-5.1	8-Inch (Depth) Crushed Aggregate Base Course	SY	1,635		
51	P-304-8.1	6-Inch (Depth) Cement Treated Base Course	SY	18,205	1	
52	P-304-8.2	Cement Treated Base Repair (10-Inch Nom Depth)	SY	2,050		
53	P-403-8.1	3-Inch (Depth) Bituminous Surface Course	SY	1,505		
54	P-403-8.2	Bituminous Overlay (Twy R)	TON	250		
55	P-403-8.3	Pavement Fabric (Twy R)	SY	650		
56	P-501-8.1	16-Inch (Depth) Reinforced Portland Cement Concrete Pavement	SY	18,233		
57	P-501-8.2	16-Inch to 20-Inch Thickened Reinforced Portland Cement Concrete Pavement	SY	5,775	1	
58	P-602-5.1	Bitiminous Prime Coat	GAL	13,820		
59	P-603-5.1	Bitiminous Tack Coat (Twy R)	GAL	200		
60	P-620-5.1	Reflective Yellow Taxiway Pavement Markings, waterborne (Twy R)	SF	50		
61	P-620-5.2	Reflective Yellow Taxiway Pavement Markings, waterborne	SF	5,230	1	
62	P-620-5.3	Reflective White Runway Pavement Markings, waterborne	SF	390		
63	P-620-5.4	Non-Reflective Black Runway and Taxiway Pavement Markings, waterborne	SF	9,530	1	
64	P-620-5.5	Non-Reflective Black Runway and Taxiway Pavement Markings, waterborne (Twy R)	SF	100		
65	P-620-5.6	Preformed Thermoplastic Surface Painted Holding Position Signs (SPHPS)	SF	7,525		
66	P-620-5.7	Preformed Thermoplastic Runway Hold Markings	SF	4,290	1	

ESTIMATED QUANTITIES

NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	QUANTITY	CHANGE ORDERS	ACTUAL QUANTITY
67	P-621-4.1	Runway Pavement Grooving	SY	70		
68	D-701-5.1	18-inch Reinforced Concrete Pipe, Class V	LF	142		
69	D-751-5.1	FAA Rated Storm Sewer Grate Inlet	EA	2		
70	D-751-5.2	FAA Rated Sanitary Sewer Manhole	EA	2		
71	T-901.5.1	Hydro-Mulch Seeding for Erosion Control	AC	5	1	
72	T-901.5.2	Hydro-Mulch Seeding for Erosion Control (Twy R)	AC	1		
73	T-905-5.1	Topsoiling	CY	900		
		ELECTRICAL				
74		Electrical Demolition (Including existing lighting, cables/conductors, base cans, lamps, transformers, ground wires, abandoned cables, foundations, etc)	LS	1		
75	L-108-5.1	#6 AWG 5 KV Cable	LF	1,200		
76	L-108-5.2	#8 AWG 5 KV Cable	LF	8,100		
77	L-108-5.2	#8 AWG 5 KV Cable (for temporary edge light jumpers)	LF	5,000	1	
78	L-108-5.3	#1/0 AWG Counterpoise, Gnd Rods, and Connectors	LF	8,950		
79	L-108-5.5	Cable Connection Termination	EA	105		
80	L-110-5.1	1-Way, 2-Inch Schedule 40 PVC Sand Encased Duct, Complete In Place	LF	8,600		
81	L-110-5.2	Modification of Existing Ductbank	LF	700		
82	L-110-5.3	4-Way, 4-Inch Schedule 40 PVC Duct Bank, Complete In Place	LF	900		
83	L-115-5.1	Electrical Handhole/Pull Box (L-867 with Cover)	EA	6		
84	L-115-5.1	Electrical Handhold / Pull Box (4' x 4')	EA	3		
85	L-125-5.1	New Taxiway Edge Lights (Elevated) with Base	EA	26		
86	L-125-5.1	New Taxiway Edge Lights (Elevated) with Base	EA	10	1	
87	L-125-5.1	Remove and Reinstall Runway and Taxiway Edge Lights (Elevated) without Base	EA	63		
88	L-125-5.2	Light Base, L-867, New	EA	63		
89	L-125-5.2	Light Base, L-868, New	EA	3		
90	L-125-5.4	Guidance Sign, Relocated (2 Module)	EA	4		
91	L-125-5.4	Guidance Sign, Relocated (3 Module)	EA	3		
92	L-125-5.4	Guidance Sign, Relocated (2 Module)	EA	5	1	
93	L-125-5.4	Guidance Sign, New Complete in Place (3 Module)	EA	1		
94	L-125-5.7	Isolation Transformer, 200W	EA	36		
95	L-125-5.8	New Runway Edge Light (In-Pavement) without Base	EA	1		
96	L-125-5.8	Remove and Reinstall Runway Edge Light (In-Pavement) without Base	EA	2	1	
97	L-125-5.10	Light Fixture Identification Tags	EA	36		

ESTIMATED QUANTITIES - ALTERNATIVE 1

ALT. NO.	NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	QUANTITY	CHANGE ORDERS	ACTUAL QUANTITY
1	98	P-152-4.1	Unclassified Excavation	CY	8,000		
1	99	P-154-5.1	6-Inch (Depth) Aggregate Subbase Course	SY	18,700		
1	100	P-155-8.1	6-Inch (Depth) Lime Treated Subgrade (7%)	SY	19,300		
1	101	P-155-8.2	Lime	TON	410		
1	102	P-209-5.1	8-Inch (Depth) Crushed Aggregate Base Course	SY	18,200		
1	103	P-403-8.1	3-Inch (Depth) Bituminous Surface Course	SY	17,750		
1	104	P-602-5.1	Bituminous Prime Coat	GAL	9,100		
1	105	P-620-5.2	Reflective Yellow Taxiway Pavement Markings, waterborne	SF	8,025		

No.	Revision	By	App.	Date
1	ADDENDUM 3			02-20-13
	ISSUE FOR BID			01-25-13

ADDENDUM 3

SAN ANTONIO AIRPORT SYSTEM

AECOM
TEXAS REGISTERED ENGINEERING FIRM F-3580
5757 Woodway Drive
Suite 101 West
Houston, Texas 77057
Tel: 713.267.3200
Fax: 713.267.3278

STATE OF TEXAS — TYSON K. DUNCAN — 104956 — LICENSED — PROFESSIONAL ENGINEER — 02/20/13

Designed By: GPF
Drawn By: CRJ/FE/GWS
Checked By: TKD
Date: 12/03/2012
Scale: AS SHOWN

SAN ANTONIO INTERNATIONAL AIRPORT
RUNWAY 3-21 EXTENSION - NEW EXIT TAXIWAY, TAXIWAY REPAIRS, AND PERIMETER RD RECONSTRUCTION - RE-BID

ESTIMATED QUANTITIES

Project No. 33-00160 | C.I.P. No. 0000 | A.I.P. No. 0000 | Sheet Z-003

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