CITY OF SAN ANTONIO
025 UNIT PRICING FORM

PROJECT NAME: Terminal Area Taxiway Improvements (Package 3) **ADDITIVE ALTERNATE #1**

PROJECT NO. 33-00193 (AIP NO 3-48-0192-XX-2015)

ITEM NO.	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
1	100.1	Mobilization/Demobilization	LS	1		$ -	
2	100.2	Insurance and Bonds	LS	1		$ -	
3	100.3	Airside Safety and Security / Traffic Control	LS	1		$ -	
4	101.1	Preparing Right-of-Way	LS	1		$ -	
5	540.1	Storm Water Pollution Prevention Plan	LS	1		$ -	
6	GP 60-05	Field Office and Curing Facilities	LS	1		$ -	
7	P-100-2.1	Contractor Quality Control	LS	1		$ -	
8	P-101-5.1	Portland Cement Concrete Pavement Removal, Including Thickened Edge and Reinforcement	SY	40,570		$ -	
9	P-101-5.2	Bituminous Pavement Removal	SY	13,510		$ -	
10	P-101-5.3	Cement-Treated Base Removal	SY	54,080		$ -	
11	P-101-5.4	Concrete Pavement Saw Cut (Full Depth)	LF	2,800		$ -	
12	P-101-5.5	AC Pavement Saw Cut	LF	100		$ -	
13	P-101-5.6	Mill Portland Cement Concrete Pavement (Varies, 0 - 2" Depth)	SY	2,420		$ -	
14	P-151-4.1	Clearing and Grubbing	AC	8.50		$ -	
15	P-151-4.2	Remove Existing Storm Drain Pipe	LF	5,300		$ -	
16	P-151-4.3	Remove Existing Catch Basin or Manhole	EA	11		$ -	
17	P-152-4.1	Unclassified Excavation	CY	7,140		$ -	
18	P-155-8.1	Lime-Treated Subgrade (6" Depth)	SY	65,560		$ -	
19	P-155-8.2	Lime	Ton	1,420		$ -	
20	P-208-5.1	Aggregate Base Course, 13" Depth	SY	16,410		$ -	
21	P-208-5.2	Temporary Aggregate Base Course, 8" Depth	SY	7,270		$ -	
22	P-209-5.1	Crushed Aggregate Base Course, 6" Depth	SY	50,690		$ -	
23	P-304-8.2	Cement-Treated Base Course, 12" Depth	SY	50,690		$ -	
24	P-401-8.1	Temporary Bituminous Pavment (2" - 5" Surface Course)	Ton	2,370		$ -	
25	P-403-8.1	HMA Pavement (3" Surface Course)	Ton	2,600		$ -	

PROJECT NAME: Terminal Area Taxiway Improvements (Package 3) **ADDITIVE ALTERNATE #1**

PROJECT NO. 33-00193 (AIP NO 3-48-0192-XX-2015)

ITEM NO.	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
26	P-403-8.2	Temporary HMA Pavment (9" Base Course)	Ton	3,560		$ -	
27	P-501-8.1	Portland Cement Concrete Pavement, 16"	SY	49,150		$ -	
28	P-604-6.1	Preformed Sealer, 1/2-inch Joint	LF	43,170		$ -	
29	P-604-6.2	Preformed Sealer, 1-inch Joint	LF	3,310		$ -	
30	P-604-6.3	Hot Applied Edge Seal	LF	4,680		$ -	
31	P-620-5.1	Reflective Yellow Taxiway Pavement Markings, Waterborne	SF	19,800		$ -	
32	P-620-5.2	Reflective White Runway Pavement Markings, Waterborne	SF	30,370		$ -	
33	P-620-5.4	Non-Reflective Black Pavement Markings, Waterborne	SF	22,660		$ -	
34	P-620-5.6	Reflective Surface Painted Holding Position Signs, Waterborne	SF	1,700		$ -	
35	P-620-5.7	Non-Reflective Green Infield Pavement Markings, Waterborne	SF	3,300		$ -	
36	P-620-5.8	Pavement Marking Obliteration	SF	47,130		$ -	
37	P-620-5.9	Temporary Reflective Yellow Taxiway Pavement Markings, Waterborne	SF	15,510		$ -	
38	T-901-5.1	Hydro-Mulch Seeding	AC	3.55		$ -	
39	T-904-5.1	Sodding	SY	6,560		$ -	
40	T-905-5.1	Topsoiling	CY	1,320		$ -	
41	D-701-5.1	24" RGRCP, Class V	LF	2,100		$ -	
42	D-701-5.2	36" RGRCP, Class V	LF	565		$ -	
43	D-701-5.3	42" RGRCP, Class V	LF	525		$ -	
44	D-701-5.4	Concrete Pipe Collar	EA	1		$ -	
45	D-751-5.1	Manholes	EA	2		$ -	
46	D-751-5.2	Catch Basins	EA	9		$ -	
47	D-751-5.3	Temporary Catch Basins	EA	1		$ -	
48	D-751-5.4	In-Pavement Manhole/Inlet	EA	1		$ -	
49	L-100-5.1	Electrical Demolition	LS	0.75		$ -	
50	L-100-5.2	Windcone Relocation	LS	1		$ -	

PROJECT NAME: Terminal Area Taxiway Improvements (Package 3) **ADDITIVE ALTERNATE #1**

PROJECT NO. 33-00193 (AIP NO 3-48-0192-XX-2015)

ITEM NO.	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
51	L-100-5.3	ALCMS Modifications (Allowance)	LS	1	$ 20,000.00	$ 20,000.00	
52	L-100a-3.1	Photometric Testing	LS	1		$ -	
53	L-105-6.1	Temporary Jumper, L-824, Type C, 1/C #6, 5 kV Cable in Conduit	LF	15,000		$ -	
54	L-105-6.2	Temporary, Surface Mounted 2" Conduit	LF	5,000		$ -	
55	L-105-6.3	Temporary No. 8 AWG, 5 kV, L-824, Type C Cable, Direct Burial in Trench	LF	600		$ -	
56	L-105-6.4	Temporary Secondary Circuit, (2)-1/C #10 in 1-1/4" Conduit	LF	400		$ -	
57	L-105-6.5	Temporary Pavement Mounted Taxiway Edge Light	EA	14		$ -	
58	L-105-6.6	Temporary Direct Burial Isolation Transformer	EA	10			
59	L-105-6.7	Temporary Pavement Mounted Taxiway Edge Light & Isolation Transformer	EA	34		$ -	
60	L-105-6.8	Relocate Temporary Pavement Mounted Taxiway Edge Light & Isolation Transformer	EA	13		$ -	
61	L-105-6.9	Temporary Stake Mounted Guidance Sign with Isolation Transformer	EA	4		$ -	
62	L-108-5.1	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in, Duct Bank or Conduit	LF	16,300		$ -	
63	L-108-5.2	No. 6 AWG, 5 kV, L-824, Type C Cable, Installed in, Duct Bank or Conduit	LF	4,100		$ -	
64	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	LF	19,500		$ -	
65	L-110-5.1	Single-way 2" Conduit, Direct Buried	LF	7,020		$ -	
66	L-110-5.2	Multiple-way (6) 2-inch Conduits, Direct Buried	LF	850		$ -	
67	L-110-5.3	Multiple-way (4) 4-inch Conduits, Direct Buried	LF	750		$ -	
68	L-110-5.4	Single-way 2" Conduit, Concrete Encased	LF	7,700		$ -	
69	L-110-5.5	Multiple-way (6) 2-inch Conduits, Concrete Encased	LF	630		$ -	
70	L-110-5.6	Multiple-way (4) 2-inch Conduits, Concrete Encased	LF	1,140		$ -	
71	L-110-5.7	Multiple-way (4) 4-inch Conduits, Concrete Encased	LF	100		$ -	
72	L-110-5.8	System Drain, (1) 2" Conduit, Concrete Encased	LF	1,310		$ -	
73	L-115-5.1	New Concrete Handhole, Type II, Furnished & Installed	EA	13		$ -	
74	L-115-5.2	Two-Can Junction Can Plaza, Furnished & Installed	EA	7		$ -	

PROJECT NAME: Terminal Area Taxiway Improvements (Package 3) **ADDITIVE ALTERNATE #1**

PROJECT NO. 33-00193 (AIP NO 3-48-0192-XX-2015)

ITEM NO.	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
75	L-850-4.1	New In-pavement L-850C Runway Edge Light with New Isolation Transformer on New Base	EA	3		$ -	
76	L-852-4.1	Salvage and Reinstall In-pavement L-852 Light with New Isolation Transformer on New or Existing Base	EA	2		$ -	
77	L-858-5.1	New Size 3, 1-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	EA	1		$ -	
78	L-858-5.2	New Size 3, 2-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	EA	17		$ -	
79	L-858-5.3	New Size 3, 3-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	EA	4		$ -	
80	L-858-5.4	New Size 3, 4-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	EA	6		$ -	
81	L-858-5.5	New Size 2, 2-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	EA	2		$ -	
82	L-858-5.6	New Size 2, 3-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	EA	2		$ -	
83	L-861T-4.1	New L-861T(L) LED Taxiway Edge Light with New Isolation Transformer on New or Existing Base	EA	112		$ -	
84	L-861T-4.2	Spare L-861T(L) LED Taxiway Edge Light with New Isolation Transformer	EA	20		$ -	
85	L-861T-4.5	Salvage and Reinstall existing L-804 Runway Guard Light with New Isolation Transformer on New Base	EA	1		$ -	
86	L-867/868-6.1	Size "B" L-867 Base Can for Any New, Reinstalled or Future Fixture in New Asphalt Shoulder	EA	107		$ -	
87	L-867/868-6.3	Size “B” L-868 Base Can – “Standard Installation (New PCCP)”	EA	40		$ -	
88	L-867/868-6.4	Size “B” L-868 Base Can – “Core Drill New PCCP” Installation at Joint or Sawcut	EA	4		$ -	
89	L-867/868-6.6	Size “B” L-868 Base Can – “Diamond Leave-out”	EA	3		$ -	
90	L-867/868-6.7	Size "D" L-867 Junction Can	EA	3		$ -	
91	L-867/868-6.8	New Size "B" L-867 Blank Base Can Cover	EA	1		$ -	
92	L-867/868-6.9	New Size "B" L-868 Blank Base Can Cover	EA	40		$ -	
93	L-867/868-6.10	L-868 to L-867 Adaptor Ring	EA	4		$ -	
94	L-867/868-6.11	Concrete Foundation for 1-Module Sign	EA	1		$ -	
95	L-867/868-6.12	Concrete Foundation for 2-Module Sign	EA	13		$ -	

CITY OF SAN ANTONIO
025 UNIT PRICING FORM

PROJECT NAME: Terminal Area Taxiway Improvements (Package 3) **ADDITIVE ALTERNATE #1**

PROJECT NO. 33-00193 (AIP NO 3-48-0192-XX-2015)

ITEM NO.	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
96	L-867/868-6.13	Concrete Foundation for 3-Module Sign	EA	1		$ -	
97	L-867/868-6.14	Concrete Foundation for 4-Module Sign	EA	5		$ -	
98	L-867/868-6.15	Sign Base Assembly in New PCCP, Any Single Sign Array	EA	4		$ -	

Total Alternate #1 Bid Amount: $ 20,000.00

_____certifies that the unit prices shown on this complete computer print-out for all of the bid items and the alternates contained in this proposal are the unit prices intended and that its bid will be tabulated using these unit prices and no other information from this print-out.

_____Acknowleged and agrees that the total bid amount shown will be read as its total bid and further agrees that the official total bid amount will be determined by multiplying the unit bid prices shown in this print-out by the respective estimated quantities shown in the proposal and then totaling all of the extended amounts. _____ agrees to the terms, conditions, and requirements of the bidder's bid proposal.

Signed: _____ Date: _____

Title: _____

CITY OF SAN ANTONIO
025 UNIT PRICING FORM

PROJECT NAME: Terminal Area Taxiway Improvements (Package 3) **ADDITIVE ALTERNATE #2**

PROJECT NO. 33-00193 (AIP NO 3-48-0192-XX-2015)

ITEM NO.	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
1	100.1	Mobilization/Demobilization	LS	1		$ -	
2	100.2	Insurance and Bonds	LS	1		$ -	
3	100.3	Airside Safety and Security / Traffic Control	LS	1		$ -	
4	P-100-2.1	Contractor Quality Control	LS	1		$ -	
5	L-108-5.1	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in, Duct Bank or Conduit	LF	1,200		$ -	
6	L-858-5.2	New Size 3, 2-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	EA	13		$ -	
7	L-858-5.3	New Size 3, 3-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	EA	7		$ -	
8	L-867/868-6.12	Concrete Foundation for 2-Module Sign	EA	13		$ -	
9	L-867/868-6.13	Concrete Foundation for 3-Module Sign	EA	7		$ -	

Total Alternate #2 Bid Amount: $ -

_____certifies that the unit prices shown on this complete computer print-out for all of the bid items and the alternates contained in this proposal are the unit prices intended and that its bid will be tabulated using these unit prices and no other information from this print-out.

_____Acknowleged and agrees that the total bid amount shown will be read as its total bid and further agrees that the official total bid amount will be determined by multiplying the unit bid prices shown in this print-out by the respective estimated quantities shown in the proposal and then totaling all of the extended amounts. _____ agrees to the terms, conditions, and requirements of the bidder's bid proposal.

Signed: _____ Date: _____

Title: _____

Additional Supplemental General Conditions Required For Aviation Department Projects

1) The use of explosives is strictly prohibited on airports.

2) The Contractor will be responsible for construction staking except for verifying and making benchmarks for horizontal and vertical control.

3) Survey Layout:

   The Contractor shall employ an experienced and competent surveyor, registered in the State of Texas, to lay out the detail lines and grades of the work from the horizontal and vertical control established in those contract documents. A closed traverse and level loop within a close proximity of the construction will be provided by the surveyor to the Contractor. A copy of such work will be presented to the Architect/Engineer for review prior to any field layout by the Contractor.

4) This contract shall be a calendar day contract.

5) Extension of Time for Adverse Weather:

   Extension of time for adverse weather conditions not reasonably anticipated as provided in Subparagraph 8.3.1 will be granted for those days where precipitation is 0.10 inch or greater and where the number of such days exceed the normal number of rain days in that particular month. This provision shall cease at the time of Substantial Completion. The determination of the normal number of rain days per month shall be according to Local Climatological Data prepared by the National Oceanic and Atmospheric Administration.

   For the San Antonio area, the climatological data is recorded at the airport weather station. The Contractor may expect adverse weather for the number of calendar days in accordance with the following local climatological data prepared by NOAA.

	0.10 In. or More Precipitation at San Antonio Airport
January	2
February	4
March	2
April	4
May	4
June	3
July	3
August	3
September	5
October	6
November	3
December	3
Total Days Lost	42

The contractor agrees that the measure of adverse weather during the period covered by the Specification shall be the number of days in excess of those shown for each month.

6) Aviation Department may close the construction site due to security reasons. The contractor will not be compensated for any loss due to shut down for the first three closures. Each day shall be counted as one shut down regardless of the total hours involved for each day.

7) Contractor shall provide, prepare and distribute agendas and minutes for all construction progress meetings and/or coordination meetings.

8) As per FAA policy, the prime contractor must provide the Aviation Department a Buy American Preference certificate.

9) Staging Area and Storage Area:

   A) The contractor needs to maintain areas in a clean and neat condition.

   B) If the contractor and/or their subcontractors store equipment, fuel, paint, or other hazardous material at the staging areas, and/or storage areas, the contractor will perform and pay the costs for soil and water testing before use of the site, upon exit from the site and any site remediation that may be necessary, as directed by the owner.

   C) Prior to occupying and upon vacating any staging areas and/or storage areas, the contractor shall submit to the owner a minimum of 10 photographs documenting the initial and final conditions of the staging areas and/or storage areas. Each photograph must have a date. During the construction, the contractor needs to provide 5 progress photographs for each area with each payment request.

   D) The contractor shall provide two weeks written notice to the owner prior to vacating the staging areas and/or storage areas.

   E) The policies stated here will be applied to the areas owned by the private citizens and leased by the contractor for the project involved.

10) Superintendent
   A) Superintendent assigned to project must be dedicated 100% to project.

TERMINAL AREA TAXIWAY IMPROVEMENTS - (PACKAGE 3)

SHEET NUMBER	CIVIL NO.	SHEET DESCRIPTION
BASE BID: GENERAL		
1	C1.1	COVER SHEET
2	C1.2	SHEET INDEX
3	C1.3	PROJECT KEYMAP
4	C1.4	ABBREVIATIONS AND LEGEND
5	C1.5	SUMMARY OF QUANTITIES
6	C1.6	GENERAL NOTES
7	C1.7	GENERAL NOTES
8	C1.8	PROJECT LAYOUT PLAN
9	C1.9	HORIZONTAL AND VERTICAL CONTROL PLAN
BASE BID: OPERATIONS AND PHASING		
10	C2.1	STAGING AREA AND HAUL ROUTES
11	C2.3	BASE BID – PHASE 1 PLAN
12	C2.4	PHASE I – TEMPORARY MARKINGS
13	C2.5	BASE BID – PHASE 2 PLAN
14	C2.6	PHASING DETAILS
BASE BID: DEMOLITION		
15	C3.1	DEMOLITION PLAN – BASE BID
BASE BID: TYPICAL SECTIONS		
16	C4.1	TYPICAL SECTIONS
17	C4.2	TYPICAL SECTIONS
BASE BID: GEOMETRICS		
18	C5.1	GEOMETRIC LAYOUT PLAN – BASE BID
BASE BID: PLAN AND PROFILE		
19	C6.1	PLAN AND PROFILE – TAXIWAY N – BASE BID
20	C6.2	PLAN AND PROFILE – TAXIWAY N9 – BASE BID
BASE BID: PAVEMENT JOINTS		
21	C7.1	PAVEMENT JOINT LAYOUT PLAN – BASE BID
22	C7.2	PAVEMENT JOINT DETAILS
BASE BID: PAVEMENT ELEVATIONS		
23	C8.1	PAVEMENT ELEVATIONS PLAN – BASE BID
BASE BID: GRADING AND DRAINAGE		
24	C9.1	GRADING AND DRAINAGE PLAN – BASE BID
25	C9.2	STORM DRAIN PROFILE – STORM DRAIN A – BASE BID
26	C9.3	UNDERDRAIN CLEANOUT DETAILS
27	C9.4	UNDERDRAIN DETAILS
BASE BID: PAVEMENT MARKING		
28	C11.1	PAVEMENT MARKING PLAN – BASE BID
29	C11.2	PAVEMENT MARKING DETAILS
30	C11.3	PAVEMENT MARKING DETAILS
31	C11.4	PAVEMENT MARKING DETAILS
BASE BID: STORM WATER POLLUTION PREVENTION		
32	C12.1	STORM WATER POLLUTION PREVENTION COVER SHEET
33	C12.2	STORM WATER POLLUTION PREVENTION PLAN – BASE BID
34	C12.3	STORM WATER POLLUTION PREVENTION PLAN DETAILS
35	C12.4	TEMPORARY EROSION CONTROL LOGS (TECL-06 (PHR)

2

ELECTRICAL PLANS

SHEET NUMBER	ELECT. NO.	SHEET DESCRIPTIONI
ELECTRICAL: GENERAL		
36	E0.1	ELECTRICAL SCOPE OF WORK – BASE BID
36A	E0.1A	ELECTRICAL SCOPE OF WORK – ALTERNATE 1
37	E0.2	ELECTRICAL SYMBOL LIST AND GENERAL NOTES
ELECTRICAL: BASE BID – PHASE 1		
38	E1.1	PHASE 1 – ELECTRICAL LAYOUT PLAN – BASE BID
39	E2.1	PHASE 1 – ELECTRICAL FIXTURE LAYOUT PLAN – BASE BID
40	E2.1A	PHASE 1 – ELECTRICAL FIXTURE DATA TABLES – BASE BID
ELECTRICAL: DETAILS		
41	E3.1	SIGN DETAILS FOR INSTALLATION IN UNPAVED AREAS
42	E3.2	SIGN DETAILS – INSTALLATION IN NEW PCCP
43	E3.3	ELEVATED TAXIWAY EDGE LIGHT DETAILS
44	E3.4	IN-PAVEMENT LIGHT DETAILS – NEW PCCP
45	E3.5	LIGHT FIXTURE/JOINT COORDINATION DETAILS
46	E3.6	DUCT DETAILS
47	E3.7	HANDHOLE DETAILS
48	E3.8	JUNCTION CAN PLAZA (JCP) AND HANDHOLE DETAILS
49	E3.9	WINDCONE DETAILS
50	E3.10	MISCELLANEOUS DETAILS
50A	E3.11	TEMPORARY LIGHTING DETAILS – ALTERNATE 1
50B	E3.12	TEMPORARY SIGNAGE DETAILS – ALTERNATE 1
ELECTRICAL: CIRCUIT MAPS		
51	E4.1	CIRCUIT MAP 12R-30L EDGE (CKT XX)
52	E4.2	CIRCUIT MAP G-3 (CKT 6)
53	E4.3	CIRCUIT MAP G-3 CL (CKT X)
54	E4.4	CIRCUIT MAP F1 (CKT 57)
55	E4.5	CIRCUIT MAP N-3 (CKT 52)
ELECTRICAL: BASE BID SIGNS AND DEMO		
56	E5.1	PHASE 1 – AIRFIELD SIGN PLAN – BASE BID
57	E6.1	PHASE 1 – ELECTRICAL DEMOLITION PLAN – BASE BID

SHEET NUMBER	CIVIL NO.	SHEET DESCRIPTION
ALTERNATE 1: OPERATIONS AND PHASING		
58	C2.6	ALTERNATE 1 – OVERALL PHASING
59	C2.7	ALTERNATE 1 – PHASE 1 PLAN
60	C2.8	PHASE I – TEMPORARY MARKINGS – ALTERNATE 1
61	C2.9	PHASE I – TEMPORARY GRADING AND DRAINAGE – ALTERNATE 1
62	C2.10	PHASE I – TEMPORARY GRADING AND DRAINAGE – ALTERNATE 1
63	C2.11	ALTERNATE 1 – PHASE 2 PLAN
64	C2.12	PHASE 2 – TEMPORARY MARKINGS – ALTERNATE 1
65	C2.13	PHASE 2 – TEMPORARY GRADING AND DRAINAGE – ALTERNATE 1
66	C2.14	PHASE 2 – TEMPORARY GRADING AND DRAINAGE – ALTERNATE 1
67	C2.15	ALTERNATE 1 – PHASE 3 PLAN
68	C2.16	PHASE 3 – TEMPORARY MARKINGS – ALTERNATE 1
69	C2.17	ALTERNATE 1 – PHASE 4 PLAN
70	C2.18	PHASE 4 – TEMPORARY MARKINGS – ALTERNATE 1
71	C2.19	PHASE 5 – TEMPORARY DEMOLITION – ALTERNATE 1
72	C2.20	ALTERNATE 1 – PHASE 5 PLAN
73	C2.21	PHASE 5 – TEMPORARY MARKINGS
74	C2.22	PHASE 6 – TEMPORARY DEMOLITION – ALTERNATE 1
75	C2.23	ALTERNATE 1 – PHASE 6 PLAN
76	C2.24	PHASE 6 – TEMPORARY MARKINGS – ALTERNATE 1
77	C2.25	ALTERNATE 1 – PHASE 7 PLAN
78	C2.26	PHASE 7 – TEMPORARY MARKINGS – ALTERNATE 1
79	C2.27	ALTERNATE 1 – PHASE 8 PLAN
80	C2.28	PHASE 8 – TEMPORARY MARKINGS – ALTERNATE 1
81	C2.29	ALTERNATE 1 – PHASE 9 PLAN
82	C2.30	PHASE 9 – TEMPORARY MARKINGS – ALTERNATE 1
ALTERNATE 1: DEMOLITION		
83	C3.2	DEMOLITION PLAN – ALTERNATE 1
84	C3.3	DEMOLITION PLAN – ALTERNATE 1
85	C3.4	DEMOLITION PLAN – ALTERNATE 1
ALTERNATE 1: GEOMETRICS		
86	C5.2	GEOMETRIC LAYOUT PLAN – ALTERNATE 1
87	C5.3	GEOMETRIC LAYOUT PLAN – ALTERNATE 1
88	C5.4	GEOMETRIC LAYOUT PLAN – ALTERNATE 1
ALTERNATE 1: PLAN AND PROFILE		
89	C6.3	PLAN AND PROFILE – TAXIWAY N – ALTERNATE 1
90	C6.4	PLAN AND PROFILE – TAXIWAY N – ALTERNATE 1
91	C6.5	PLAN AND PROFILE – TAXIWAY N – ALTERNATE 1
92	C6.6	PLAN AND PROFILE – TAXIWAY N1 TAXIWAY N2 – ALTERNATE 1
93	C6.7	PLAN AND PROFILE – TAXIWAY N3 TAXIWAY N9 – ALTERNATE 1
94	C6.8	PLAN AND PROFILE – TAXIWAY N10 TAXIWAY N11 – ALTERNATE 1
95	C6.9	PLAN AND PROFILE – TAXIWAY N12 TAXIWAY N13 – ALTERNATE 1
ALTERNATE 1: PAVEMENT JOINTS		
96	C7.3	PAVEMENT JOINT LAYOUT PLAN – ALTERNATE 1
97	C7.4	PAVEMENT JOINT LAYOUT PLAN – ALTERNATE 1
98	C7.5	PAVEMENT JOINT LAYOUT PLAN – ALTERNATE 1
ALTERNATE 1: PAVEMENT ELEVATIONS		
99	C8.2	PAVEMENT ELEVATIONS PLAN – ALTERNATE 1
100	C8.3	PAVEMENT ELEVATIONS PLAN – ALTERNATE 1
101	C8.4	PAVEMENT ELEVATIONS PLAN – ALTERNATE 1
ALTERNATE 1: GRADING AND DRAINAGE		
102	C9.5	GRADING AND DRAINAGE PLAN – ALTERNATE 1
103	C9.6	GRADING AND DRAINAGE PLAN – ALTERNATE 1
104	C9.7	GRADING AND DRAINAGE PLAN – ALTERNATE 1
105	C9.8	STORM DRAIN PROFILE – STORM DRAIN A – ALTERNATE 1
106	C9.9	STORM DRAIN PROFILE – STORM DRAIN A – ALTERNATE 1
107	C9.10	STORM DRAIN PROFILE – STORM DRAIN B & STORM DRAIN C – ALTERNATE 1
108	C9.11	STORM DRAIN PROFILE – STORM DRAIN D & STORM DRAIN E – ALTERNATE 1
109	C9.12	STORM DRAIN PROFILE – STORM DRAIN F – ALTERNATE 1
110	C9.13	STORM DRAIN STRUCTURE DETAILS – ALTERNATE 1
111	C9.14	STORM DRAIN MANHOLE DETAILS – ALTERNATE 1
112	C9.15	MISCELLANEOUS PIPE DETAILS – ALTERNATE 1
ALTERNATE 1: PAVEMENT MARKING		
109	C11.4	PAVEMENT MARKING PLAN – ALTERNATE 1
110	C11.5	PAVEMENT MARKING PLAN – ALTERNATE 1
111	C11.6	PAVEMENT MARKING PLAN – ALTERNATE 1
112	C11.7	RUNWAY MARKING DETAIL
ALTERNATE 1: STORM WATER POLLUTION PREVENTION		
117	C12.5	STORM WATER POLLUTION PREVENTION PLAN – ALTERNATE 1
118	C12.6	STORM WATER POLLUTION PREVENTION PLAN – ALTERNATE 1
119	C12.7	STORM WATER POLLUTION PREVENTION PLAN – ALTERNATE 1

2

ELECTRICAL PLANS

SHEET NUMBER	ELECT. NO.	SHEET DESCRIPTIONI
ELECTRICAL: ALTERNATE 1 – END-STATE		
120	E1.2	END STATE ELECTRICAL LAYOUT PLAN
121	E1.3	END STATE ELECTRICAL LAYOUT PLAN
122	E1.4	END STATE ELECTRICAL LAYOUT PLAN
123	E1.5	END STATE ELECTRICAL LAYOUT PLAN
ELECTRICAL: ALTERNATE 1 – DATA TABLES		
124	E2.2	ELECTRICAL FIXTURE LAYOUT PLAN – ALTERNATE 1
125	E2.2A	ELECTRICAL FIXTURE DATA TABLES – ALTERNATE 1
126	E2.3	ELECTRICAL FIXTURE LAYOUT PLAN – ALTERNATE 1
127	E2.3A	ELECTRICAL FIXTURE DATA TABLES – ALTERNATE 1
128	E2.4	ELECTRICAL FIXTURE LAYOUT PLAN – ALTERNATE 1
129	E2.4A	ELECTRICAL FIXTURE DATA TABLES – ALTERNATE 1
ELECTRICAL: ALTERNATE 1 – SIGN PLANS		
130	E5.2	AIRFIELD SIGN PLAN – ALTERNATE 1
131	E5.3	AIRFIELD SIGN PLAN – ALTERNATE 1
132	E5.4	AIRFIELD SIGN PLAN – ALTERNATE 1
ELECTRICAL: ALTERNATE 1 – DEMOLITION PLANS		
133	E6.2	ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
134	E6.3	ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
135	E6.4	ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
ELECTRICAL: ALTERNATE 2		
136	E5.5	AIRFIELD SIGN PLAN – ALTERNATE 2
137	E5.6	AIRFIELD SIGN PLAN – ALTERNATE 2
138	E5.7	AIRFIELD SIGN PLAN – ALTERNATE 2
139	E5.8	AIRFIELD SIGN PLAN – ALTERNATE 2
140	E5.9	AIRFIELD SIGN PLAN – ALTERNATE 2
ELECTRICAL: ALTERNATE 1 – PHASE 1		
141	E031.1	PHASE 1 – ELECTRICAL LAYOUT PLAN – ALTERNATE 1
142	E031.2	PHASE 1 – ELECTRICAL LAYOUT PLAN – ALTERNATE 1
143	E031.3	PHASE 1 – ELECTRICAL LAYOUT PLAN – ALTERNATE 1
144	E036.1	PHASE 1 – ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
145	E036.2	PHASE 1 – ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
ELECTRICAL: ALTERNATE 1 – PHASE 2		
146	E041.1	PHASE 2 – ELECTRICAL LAYOUT PLAN – ALTERNATE 1
147	E041.2	PHASE 2 – ELECTRICAL LAYOUT PLAN – ALTERNATE 1
148	E042.1	TEMPORARY FIXTURE LOCATION PLAN – ALTERNATE 1
149	E042.2	TEMPORARY FIXTURE LOCATION PLAN – ALTERNATE 1
150	E046.1	PHASE 2 – ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
151	E046.2	PHASE 2 – ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
ELECTRICAL: ALTERNATE 1 – PHASE 3		
152	E051.1	PHASE 3 – ELECTRICAL LAYOUT PLAN – ALTERNATE 1
153	E051.2	PHASE 3 – ELECTRICAL LAYOUT PLAN – ALTERNATE 1
154	E056.1	PHASE 3 – ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
155	E056.2	PHASE 3 – ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
ELECTRICAL: ALTERNATE 1 – PHASE 4		
156	E061.1	PHASE 4 – ELECTRICAL LAYOUT PLAN – ALTERNATE 1
157	E061.2	PHASE 4 – ELECTRICAL LAYOUT PLAN – ALTERNATE 1
158	E066.1	PHASE 4 – ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
159	E066.2	PHASE 4 – ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
160	E066.3	PHASE 4 – ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
ELECTRICAL: ALTERNATE 1 – PHASE 5		
161	E071.1	PHASE 5 – ELECTRICAL LAYOUT PLAN – ALTERNATE 1
162	E071.2	PHASE 5 – ELECTRICAL LAYOUT PLAN – ALTERNATE 1
163	E076.1	PHASE 5 – ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
164	E076.2	PHASE 5 – ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
ELECTRICAL: ALTERNATE 1 – PHASE 6		
165	E081.1	PHASE 6 – ELECTRICAL LAYOUT PLAN – ALTERNATE 1
166	E086.1	PHASE 6 – ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
ELECTRICAL: ALTERNATE 1 – PHASE 7		
167	E091.1	PHASE 7 – ELECTRICAL LAYOUT PLAN – ALTERNATE 1
168	E096.1	PHASE 7 – ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
ELECTRICAL: ALTERNATE 1 – PHASE 8		
169	E101.1	PHASE 8 – ELECTRICAL LAYOUT PLAN – ALTERNATE 1
170	E106.1	PHASE 8 – ELECTRICAL DEMOLITION PLAN – ALTERNATE 1
ELECTRICAL: ALTERNATE 1 – PHASE 9		
171	E111.1	PHASE 9 – ELECTRICAL LAYOUT PLAN – ALTERNATE 1
172	E116.1	PHASE 9 – ELECTRICAL DEMOLITION PLAN – ALTERNATE 1

CITY OF
SAN ANTONIO
AVIATION
DEPARTMENT

SAN ANTONIO AIRPORT SYSTEM

Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
601 NW LOOP 410, SUITE 350
SAN ANTONIO, TEXAS 78216
PHONE: (210) 541-9166
TEXAS REGISTERED FIRM,
NO. 928

TERMINAL AREA TAXIWAY IMPROVEMENTS - (PACKAGE 3)

MICHAEL A. NORBY
87178
REGISTERED
PROFESSIONAL ENGINEER
05/18/15

MARK	DATE	DESCRIPTION
2	06/08/15	ADDENDUM 2

ISSUE:

PROJECT NO:	33-00193
FILE NAME:	_33-00193-R1GN-001-C00
DRAWN BY:	CAD
CHECKED BY:	MAN
COPYRIGHT:	2015

SHEET TITLE:

SHEET INDEX

C1.2

K:\PHX_Aviation\191623001- San Antonio\CADD_PACKAGE 3_33-00193-R1GN-001-C00.dwg May 18, 2015 Crawford, Pat

SUMMARY OF QUANTITIES

BASE BID

Item	Specification Number	Bid Item Description	Quantity	Unit
BASE BID				
1	100.1	Mobilization/Demobilization	1	LS
2	100.2	Insurance and Bonds	1	LS
3	100.3	Airside Safety and Security / Traffic Control	1	LS
4	101.1	Preparing Right-of-Way	1	LS
5	540.1	Storm Water Pollution Prevention Plan	1	LS
6	GP 60-05	Field Office and Curing Facilities	1	LS
7	P-100-2.1	Contractor Quality Control	1	LS
8	P-101-5.1	Portland Cement Concrete Pavement Removal, Including Thickened Edge and Reinforcement	1,150	SY
9	P-101-5.2	Bituminous Pavement Removal	3,700	SY
10	P-101-5.3	Cement-Treated Base Removal	4,850	SY
11	P-101-5.4	Concrete Pavement Saw Cut (Full Depth)	980	LF
12	P-101-5.5	AC Pavement Saw Cut	70	LF
13	P-101-5.6	Mill Portland Cement Concrete Pavement (Varies, 0 - 2" Depth)	1,350	SY
14	P-151-4.1	Clearing and Grubbing	1.40	AC
15	P-151-4.2	Remove Existing Storm Drain Pipe	110	LF
16	P-151-4.3	Remove Existing Catch Basin or Manhole	3	EA
17	P-152-4.1	Unclassified Excavation	7,130	CY
18	P-155-8.1	Lime-Treated Subgrade (6" Depth)	12,010	SY
19	P-155-8.2	Lime	260	Ton
20	P-208-5.1	Aggregate Base Course, 13" Depth	5,210	SY
21	P-208-5.2	Temporary Aggregate Base Course, 8" Depth	760	SY
22	P-209-5.1	Crushed Aggregate Base Course, 6" Depth	6,160	SY
23	P-304-8.2	Cement-Treated Base Course, 12" Depth	6,160	SY
24	P-401-8.1	Temporary Bituminous Pavment (2" - 5" Surface Course)	1,700	Ton
25	P-403-8.1	HMA Pavement (3" Surface Course)	630	Ton
26	P-403-8.2	Temporary HMA Pavment (9" Base Course)	370	Ton
27	P-501-8.1	Portland Cement Concrete Pavement, 16"	5,840	SY
28	P-604-6.1	Preformed Sealer, 1/2-inch Joint	5,230	LF
29	P-604-6.2	Preformed Sealer, 1-inch Joint	480	LF
30	P-604-6.3	Hot Applied Edge Seal	960	LF
31	P-620-5.1	Reflective Yellow Taxiway Pavement Markings, Waterborne	4,600	SF
32	P-620-5.2	Reflective White Runway Pavement Markings, Waterborne	100	SF
33	P-620-5.4	Non-Reflective Black Pavement Markings, Waterborne	5,320	SF
34	P-620-5.6	Reflective Surface Painted Holding Position Signs, Waterborne	570	SF
35	P-620-5.7	Non-Reflective Green Infield Pavement Markings, Waterborne	0	SF
36	P-620-5.8	Pavement Marking Obliteration	2,290	SF
37	P-620-5.9	Temporary Reflective Yellow Taxiway Pavement Markings, Waterborne	3,440	SF
38	T-901-5.1	Hydro-Mulch Seeding	2.04	AC
39	T-904-5.1	Sodding	1,830	SY
40	T-905-5.1	Topsoiling	650	CY
41	D-701-5.1	24" RGRCP, Class V	120	LF
42	D-701-5.2	36" RGRCP, Class V	0	LF
43	D-701-5.3	42" RGRCP, Class V	0	LF
44	D-701-5.4	Concrete Pipe Collar	1	EA
45	D-705-5.1	Underdrain System	1	LS
46	D-751-5.1	Manholes	0	EA
47	D-751-5.2	Catch Basins	1	EA
48	D-751-5.3	Temporary Catch Basins	0	EA
49	D-751-5.4	In-Pavement Manhole/Inlet	1	EA
50	L-100-5.1	Electrical Demolition	0.25	LS
51	L-105-6.1	Temporary Jumper, L-824, Type C, 1/C #6, 5 kV Cable in Conduit	2,000	LF
52	L-105-6.2	Temporary, Surface Mounted Single-way 2" Conduit	1,000	LF
53	L-105-6.3	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in, Duct Bank or Conduit	1,200	LF
54	L-105-6.5	L-853 Elevated Retroreflective Taxiway Edge Marker	25	EA
55	L-105-6.6	Salvage and Reinstall L-862E Runway End/Threshold Light with New Isolation Transformer on Existing Base	4	EA
56	L-108-5.1	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in, Duct Bank or Conduit	3,000	LF
57	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
58	L-110-5.1	Single-way 2" Conduit, Direct Buried	1,540	LF
59	L-110-5.4	Single-way 2" Conduit, Concrete Encased	440	LF
60	L-110-5.5	Multiple-way (6) 2-inch Conduits, Concrete Encased	70	LF
61	L-110-5.6	Multiple-way (4) 2-inch Conduits, Concrete Encased	240	LF
62	L-115-5.1	New Concrete Handhole, Type II, Furnished & Installed	2	EA
63	L-115-5.2	Two-Can Junction Can Plaza, Furnished & Installed	1	EA
64	L-858-5.2	New Size 3, 2-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	2	EA
65	L-858-5.3	New Size 3, 3-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	1	EA
66	L-858-5.4	New Size 3, 4-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	1	EA
67	L-861T-4.1	New L-861T(L) LED Taxiway Edge Light with New Isolation Transformer on New or Existing Base	26	EA
68	L-861T-4.2	Spare L-861T(L) LED Taxiway Edge Light with New Isolation Transformer	6	EA
69	L-861T-4.4	Salvage and Reinstall L-862 Runway Edge Light with New Isolation Transformer on New or Existing Base	4	EA
70	L-867/868-6.1	Size "B" L-867 Base Can for Any New, Reinstalled or Future Fixture in New Asphalt Shoulder	25	EA
71	L-867/868-6.3	Size "B" L-868 Base Can – "Standard Installation (New PCCP)"	2	EA
72	L-867/868-6.8	New Size "B" L-867 Blank Base Can Cover	1	EA
73	L-867/868-6.9	New Size "B" L-868 Blank Base Can Cover	2	EA
74	L-867/868-6.12	Concrete Foundation for 2-Module Sign	2	EA
75	L-867/868-6.13	Concrete Foundation for 3-Module Sign	1	EA
76	L-867/868-6.14	Concrete Foundation for 4-Module Sign	1	EA

ALTERNATE 1

2

ITEM NO.	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES
1	100.1	Mobilization/Demobilization	LS	1
2	100.2	Insurance and Bonds	LS	1
3	100.3	Airside Safety and Security / Traffic Control	LS	1
4	101.1	Preparing Right-of-Way	LS	1
5	540.1	Storm Water Pollution Prevention Plan	LS	1
6	GP 60-05	Field Office and Curing Facilities	LS	1
7	P-100-2.1	Contractor Quality Control	LS	1
8	P-101-5.1	Portland Cement Concrete Pavement Removal, Including Thickened Edge and Reinforcement	SY	40,570
9	P-101-5.2	Bituminous Pavement Removal	SY	13,510
10	P-101-5.3	Cement-Treated Base Removal	SY	54,080
11	P-101-5.4	Concrete Pavement Saw Cut (Full Depth)	LF	2,800
12	P-101-5.5	AC Pavement Saw Cut	LF	100
13	P-101-5.6	Mill Portland Cement Concrete Pavement (Varies, 0 - 2" Depth)	SY	2,420
14	P-151-4.1	Clearing and Grubbing	AC	8.50
15	P-151-4.2	Remove Existing Storm Drain Pipe	LF	5,300
16	P-151-4.3	Remove Existing Catch Basin or Manhole	EA	11
17	P-152-4.1	Unclassified Excavation	CY	7,140
18	P-155-8.1	Lime-Treated Subgrade (6" Depth)	SY	65,560
19	P-155-8.2	Lime	Ton	1,420
20	P-208-5.1	Aggregate Base Course, 13" Depth	SY	16,410
21	P-208-5.2	Temporary Aggregate Base Course, 8" Depth	SY	7,270
22	P-209-5.1	Crushed Aggregate Base Course, 6" Depth	SY	50,690
23	P-304-8.2	Cement-Treated Base Course, 12" Depth	SY	50,690
24	P-401-8.1	Temporary Bituminous Pavment (2" - 5" Surface Course)	Ton	2,370
25	P-403-8.1	HMA Pavement (3" Surface Course)	Ton	2,600
26	P-403-8.2	Temporary HMA Pavment (9" Base Course)	Ton	3,560
27	P-501-8.1	Portland Cement Concrete Pavement, 16"	SY	49,150
28	P-604-6.1	Preformed Sealer, 1/2-inch Joint	LF	43,170
29	P-604-6.2	Preformed Sealer, 1-inch Joint	LF	3,310
30	P-604-6.3	Hot Applied Edge Seal	LF	4,680
31	P-620-5.1	Reflective Yellow Taxiway Pavement Markings, Waterborne	SF	19,800
32	P-620-5.2	Reflective White Runway Pavement Markings, Waterborne	SF	30,370
33	P-620-5.4	Non-Reflective Black Pavement Markings, Waterborne	SF	22,660
34	P-620-5.6	Reflective Surface Painted Holding Position Signs, Waterborne	SF	1,700
35	P-620-5.7	Non-Reflective Green Infield Pavement Markings, Waterborne	SF	3,300
36	P-620-5.8	Pavement Marking Obliteration	SF	47,130
37	P-620-5.9	Temporary Reflective Yellow Taxiway Pavement Markings, Waterborne	SF	15,510
38	T-901-5.1	Hydro-Mulch Seeding	AC	3.55
39	T-904-5.1	Sodding	SY	6,560
40	T-905-5.1	Topsoiling	CY	1,320
41	D-701-5.1	24" RGRCP, Class V	LF	2,100
42	D-701-5.2	36" RGRCP, Class V	LF	565
43	D-701-5.3	42" RGRCP, Class V	LF	525
44	D-701-5.4	Concrete Pipe Collar	EA	1
45	D-751-5.1	Manholes	EA	2
46	D-751-5.2	Catch Basins	EA	9
47	D-751-5.3	Temporary Catch Basins	EA	1
48	D-751-5.4	In-Pavement Manhole/Inlet	EA	1
49	L-100-5.1	Electrical Demolition	LS	0.75
50	L-100-5.2	Windcone Relocation	LS	1
51	L-100-5.3	ALCMS Modifications (Allowance)	LS	1
52	L-100a-3.1	Photometric Testing	LS	1
53	L-105-6.1	Temporary Jumper, L-824, Type C, 1/C #6, 5 kV Cable in Conduit	LF	15,000
54	L-105-6.2	Temporary, Surface Mounted 2" Conduit	LF	5,000
55	L-105-6.3	Temporary No. 8 AWG, 5 kV, L-824, Type C Cable, Direct Burial in Trench	LF	600
56	L-105-6.4	Temporary Secondary Circuit, (2)-1/C #10 in 1-1/4" Conduit	LF	400
57	L-105-6.5	Temporary Pavement Mounted Taxiway Edge Light	EA	14
58	L-105-6.6	Temporary Direct Burial Isolation Transformer	EA	10
59	L-105-6.7	Temporary Pavement Mounted Taxiway Edge Light & Isolation Transformer	EA	34
60	L-105-6.8	Relocate Temporary Pavement Mounted Taxiway Edge Light & Isolation Transformer	EA	13
61	L-105-6.9	Temporary Stake Mounted Guidance Sign with Isolation Transformer	EA	4
62	L-108-5.1	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in, Duct Bank or Conduit	LF	16,300
63	L-108-5.2	No. 6 AWG, 5 kV, L-824, Type C Cable, Installed in, Duct Bank or Conduit	LF	4,100
64	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	LF	19,500
65	L-110-5.1	Single-way 2" Conduit, Direct Buried	LF	7,020
66	L-110-5.2	Multiple-way (6) 2-inch Conduits, Direct Buried	LF	850
67	L-110-5.3	Multiple-way (4) 4-inch Conduits, Direct Buried	LF	750
68	L-110-5.4	Single-way 2" Conduit, Concrete Encased	LF	7,700
69	L-110-5.5	Multiple-way (6) 2-inch Conduits, Concrete Encased	LF	630
70	L-110-5.6	Multiple-way (4) 2-inch Conduits, Concrete Encased	LF	1,140
71	L-110-5.7	Multiple-way (4) 4-inch Conduits, Concrete Encased	LF	100
72	L-110-5.8	System Drain, (1) 2" Conduit, Concrete Encased	LF	1,310
73	L-115-5.1	New Concrete Handhole, Type II, Furnished & Installed	EA	13
74	L-115-5.2	Two-Can Junction Can Plaza, Furnished & Installed	EA	7
75	L-850-4.1	New In-pavement L-850C Runway Edge Light with New Isolation Transformer on New Base	EA	3
76	L-852-4.1	Salvage and Reinstall In-pavement L-852 Light with New Isolation Transformer on New or Existing Base	EA	2
77	L-858-5.1	New Size 3, 1-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	EA	1
78	L-858-5.2	New Size 3, 2-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	EA	17
79	L-858-5.3	New Size 3, 3-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	EA	4
80	L-858-5.4	New Size 3, 4-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	EA	6
81	L-858-5.5	New Size 2, 2-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	EA	2
82	L-858-5.6	New Size 2, 3-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	EA	2
83	L-861T-4.1	New L-861T(L) LED Taxiway Edge Light with New Isolation Transformer on New or Existing Base	EA	112
84	L-861T-4.2	Spare L-861T(L) LED Taxiway Edge Light with New Isolation Transformer	EA	20
85	L-861T-4.5	Salvage and Reinstall existing L-804 Runway Guard Light with New Isolation Transformer on New Base	EA	1
86	L-867/868-6.1	Size "B" L-867 Base Can for Any New, Reinstalled or Future Fixture in New Asphalt Shoulder	EA	107
87	L-867/868-6.3	PCCP)"	EA	40
88	L-867/868-6.4	Size "B" L-868 Base Can – "Core Drill New PCCP" Installation at Joint or Sawcut	EA	4
89	L-867/868-6.6	Size "B" L-868 Base Can – "Diamond Leave-out"	EA	3
90	L-867/868-6.7	Size "D" L-867 Junction Can	EA	3
91	L-867/868-6.8	New Size "B" L-867 Blank Base Can Cover	EA	1
92	L-867/868-6.9	New Size "B" L-868 Blank Base Can Cover	EA	40
93	L-867/868-6.10	L-868 to L-867 Adaptor Ring	EA	4
94	L-867/868-6.11	Concrete Foundation for 1-Module Sign	EA	1
95	L-867/868-6.12	Concrete Foundation for 2-Module Sign	EA	13
96	L-867/868-6.13	Concrete Foundation for 3-Module Sign	EA	1
97	L-867/868-6.14	Concrete Foundation for 4-Module Sign	EA	5
98	L-867/868-6.15	Sign Base Assembly in New PCCP, Any Single Sign Array	EA	4

ALTERNATE 2

Item	Specification Number	Bid Item Description	Quantity	Unit
ALTERNATE 2 BID				
1	100.1	Mobilization/Demobilization	1	LS
2	100.2	Insurance and Bonds	1	LS
3	100.3	Airside Safety and Security / Traffic Control	1	LS
4	P-100-2.1	Contractor Quality Control	1	LS
5	L-108-5.1	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in, Duct Bank or Conduit	1,200	LF
6	L-858-5.2	New Size 3, 2-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	13	EA
7	L-858-5.3	New Size 3, 3-Module Airside LED Guidance Sign, Installed on Any Foundation or Base Assembly	7	EA
8	L-867/868-6.12	Concrete Foundation for 2-Module Sign	13	EA
9	L-867/868-6.13	Concrete Foundation for 3-Module Sign	7	EA

CITY OF SAN ANTONIO AVIATION DEPARTMENT

SAN ANTONIO AIRPORT SYSTEM

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
601 NW LOOP 410, SUITE 350
SAN ANTONIO, TEXAS 78216
PHONE: (210) 541-9166

TEXAS REGISTERED FIRM, NO. 928

TERMINAL AREA TAXIWAY IMPROVEMENTS - (PACKAGE 3)

MICHAEL A. NORBY 87178 REGISTERED PROFESSIONAL ENGINEER 05/18/15

MARK	DATE	DESCRIPTION
2	06/08/15	ADDENDUM 2

ISSUE:

PROJECT NO:	33-00193
FILE NAME:	_33-00193-R1GN-003-C00
DRAWN BY:	CAD
CHECKED BY:	MAN
COPYRIGHT:	2015

SHEET TITLE:

SUMMARY OF QUANTITIES

C1.5

K:\PHX_Aviation\191629001- San Antonio\CADD_PACKAGE 3_33-00193-R1GN-003-C00.dwg May 18, 2015 Crawford, Pat