



CITY OF SAN ANTONIO
AVIATION DEPARTMENT
FIELD ALTERATION/CHANGE ORDER REQUEST

Form PW-15-Aviation
Rev. 5/2013

Date Prepared: 9/20/2021 Field Alteration No. 2 Project No. 33-00316, 33-00336

Project Name: **Remove Bridge, Remove MSW and Reconstruct Taxiway R (Connector) - Pkg. 7**

The revision or amendment described below is to the work originally or previously specified in the contract documents. This notification is hereby requested, including all changes in costs and time. (Describe work to be added or deleted, including SAP Material number. Attach a revised plan sheet affected or drawings.)

This Field Alteration is for the award of Additive Alternates 1-5 to the existing Package 7 contract. Attachment A shows the additional items in each alternate. The total cost and time extensions for each alternate are as follows:

Base Bid: Taxiway R	0 Calendar Days	(\$924,093.00)
Additive Alternate 1: Taxiway R Pavement	130 Calendar Days	\$3,686,509.28
Additive Alternate 2: Taxiway R Shoulder	20 Calendar Days	\$565,124.77
Additive Alternate 3: Partial Bypass Taxiway RC Demolition	35 Calendar Days	\$466,982.34
Additive Alternate 4: Vehicle Service Road Extension	15 Calendar Days	\$317,304.88
Additive Alternate 5: Runway 13L-31R Mill and Overlay	28 Calendar Days	\$3,976,211.39
TOTAL CONTRACT VALUE ADJUSTMENT:	228 Calendar Days	\$8,088,039.66

This Changes includes additional Construction Drawings and Specifications for Alternates 1-5 which will be provided to the Contractor.

Justification for Proposed Alteration (Describe in detail why this work is to be added or deleted. Use attachments if necessary.):

The construction Contract was originally awarded through the City of San Antonio's RFCSP process. Per local government code 2269 the City may consider evaluation factors other than price when awarding a Contract. This project's respondents were evaluated and scored for the Base Bid plus Alternates 1-5 to award the contract. Due to limited grant funding only the base was awarded initially, with anticipation of awarding the alternates with grant funds in a future fiscal year. The additional grant funding has been awarded and Alternates 1-5 are now being added to this discretionary Contract.

Field Alteration will result in change to Contract Days as:

<input checked="" type="checkbox"/> Increase	<input type="checkbox"/> Decrease	<u>\$8,088,039.66</u>
<input checked="" type="checkbox"/> Increase	<input type="checkbox"/> Decrease	
<input type="checkbox"/> Working Days	<input checked="" type="checkbox"/> Calendar Days (# Days)	<u>228</u>

(To be negotiated by the Contractor and the City.)

REQUESTED BY:

 09/20/2021
Date

Philip Betancourt, Project Manager
SpawGlass Civil Construction, Inc.

RECOMMENDED BY:

 09/20/2021
Date

Scott Bondy, P.E., Resident Project Representative
Kimley-Horn and Associates, Inc.

AVIATION DEPARTMENT APPROVALS

RECOMMENDED FOR APPROVAL BY:

Candyce Selby, P.E., Sr. Airport Engineer
City of San Antonio Aviation Department

APPROVED BY:

Debbie Drew, Manager Planning & Administration
City of San Antonio Aviation Department

This Field Alteration Amount: \$ 8,088,039.66

Total Original Contract: \$ 10,904,545.47

Approved Change Order	Base Bid (Grant Funded)	Base Bid (Non-Grant Funded)	Alternates 1 through 4 (Grant Funded)	Alternate 5 (Grant Funded)	Summary
WBS Element: <u>33-000316-05-02-02</u>	<u>33-000316-05-02-02</u>	<u>33-000316-05-02-03</u>	<u>33-000316-05-02-XX</u>	<u>33-000336-05-02-01</u>	
Approved Amount: <u>\$ 2,710,000.00</u>	<u>\$ 17,000.00</u>	<u>\$ 5,035,921.27</u>	<u>\$ 3,976,211.39</u>	<u>\$ 11,739,132.66</u>	
Previous Field Alts: <u>\$ (12,913.52)</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ (12,913.52)</u>	
This Field Alteration: <u>\$ (924,093.00)</u>	<u>\$ -</u>	<u>\$ 5,035,921.27</u>	<u>\$ 3,976,211.39</u>	<u>\$ 8,088,039.66</u>	
Field Alts to date: <u>\$ (937,006.52)</u>	<u>\$ -</u>	<u>\$ 5,035,921.27</u>	<u>\$ 3,976,211.39</u>	<u>\$ 8,075,126.14</u>	
Balance: <u>\$ 3,647,006.52</u>	<u>\$ 17,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 3,664,006.52</u>	

Field Alterations to date using Contingency: \$ 8,075,126.14

REVISED CONTRACT VALUE: \$ 18,979,671.61

Percent of Original Contract: 74.05%

Vendor #: 1049338 Original Ordinance #: 2020-12-03-0846 This FA Ordinance # (if needed): _____

Purchase Requisition #: _____ Contract #: 4600019937 Purchase Order #: 4500433511

NOTE: This form is a local government record and shall be retained in accordance with the provisions of the Local Government Code, Section 201.

CONTRACT SUMMARY

<i>Funding</i>	98-20 Base Bid	LOCAL Base Bid	101-21 Alt 1-4	101-21 Alt 5	Total
	<u>Taxiway R</u>	<u>Taxiway R</u>	<u>Taxiway R Paving & VSR</u>	<u>Runway 13L-31R Mill & Overlay</u>	
Original Contract Value	\$ 10,831,769.47	\$ 72,776.00	\$ -	\$ -	\$ 10,904,545.47
Field Alteration 1	\$ (12,913.52)				\$ (12,913.52)
Field Alteration 2	\$ (924,093.00)	\$ -	\$ 5,035,921.27	\$ 3,976,211.39	\$ 8,088,039.66
Revised Contract Value	\$ 9,894,762.95	\$ 72,776.00	\$ 5,035,921.27	\$ 3,976,211.39	\$ 18,979,671.61
Approved Contingency					
WBS Element	33-00316-05-02-02	33-00316-05-02-03	33-00316-05-02-02	33-00336-05-02-01	
Original Approved Contingency:	\$ 2,710,000.00	\$ 17,000.00	\$ 5,035,921.27	\$ 3,976,211.39	\$ 11,739,132.66
Additional Contingency:	\$ -	\$ -			\$ -
Revised Approved Contingency	\$ 2,710,000.00	\$ 17,000.00	\$ 5,035,921.27	\$ 3,976,211.39	\$ 11,739,132.66
Previous Field Alterations using Contingency:	\$ (12,913.52)	\$ -	\$ -	\$ -	\$ (12,913.52)
This Field Alteration:	\$ (924,093.00)	\$ -	\$ 5,035,921.27	\$ 3,976,211.39	\$ 8,088,039.66
Field Alterations to date using Contingency:	\$ (937,006.52)	\$ -	\$ 5,035,921.27	\$ 3,976,211.39	\$ 8,075,126.14
Balance:	\$ 3,647,006.52	\$ 17,000.00	\$ -	\$ -	\$ 3,664,006.52

San Antonio International Airport

Remove Bridge, Remove MSW, and Reconstruct Taxiway R (Connector) (PKG 7)

Field Alteration 2

Date Prepared:

9/20/2021

Attachment A

BASE BID

Remove Quantity:	Description	Quantity	Unit	Unit Price	Cost
P-152-4.2	Embankment (From Stockpile)	-24,980.00	CY	\$ 13.59	\$ (339,478.20)
T-904-5.1	Sodding	-17,820.00	SY	\$ 32.28	\$ (575,229.60)
T-905-5.1	Topsoil, 2" Depth	-990.00	CY	\$ 9.48	\$ (9,385.20)

BASE BID

TOTAL COST: \$ (924,093.00)

ADDITIVE ALTERNATE 1

Add New Bid Item:	Description	Quantity	Unit	Unit Price	Cost
100.1	Mobilization/Demobilization	1.00	LS	\$ 200,001.01	\$ 200,001.01
100.2	Insurance and Bonds	1.00	LS	\$ 20,000.00	\$ 20,000.00
100.3	Airside Safety and Security / Traffic Control	1.00	LS	\$ 209,430.25	\$ 209,430.25
101.1	Preparing Right-of-Way	1.00	LS	\$ 2,850.26	\$ 2,850.26
C-100	Contractor Quality Control	1.00	LS	\$ 61,785.13	\$ 61,785.13
C-105	Field Office and Curing Facilities	1.00	LS	\$ 24,343.28	\$ 24,343.28
540.1	Storm Water Pollution Prevention Plan	1.00	LS	\$ 7,013.72	\$ 7,013.72
P-101-5.2	Bituminous Pavement Removal	2,280.00	SY	\$ 7.79	\$ 17,761.20
P-101-5.3	Cement-Treated Base Removal	2,280.00	SY	\$ 10.25	\$ 23,370.00
P-101-5.5	Asphalt Pavement Saw Cut	660.00	LF	\$ 5.44	\$ 3,590.40
P-152-4.1	Unclassified Excavation (Remove, Haul, and Stockpile)	380.00	CY	\$ 39.56	\$ 15,032.80
P-155-8.1	Lime-Treated Subgrade (6" Depth)	12,490.00	SY	\$ 5.42	\$ 67,695.80
P-155-8.2	Lime	270.00	TON	\$ 226.84	\$ 61,246.80
P-208-5.1	Uncrushed Aggregate Base Course, 13" Depth	2,370.00	SY	\$ 33.57	\$ 79,560.90
P-209-5.1	Crushed Aggregate Base Course, 6" Depth	12,490.00	SY	\$ 15.54	\$ 194,094.60
P-209-5.2	Crushed Aggregate Base Course, 8" Depth	1,340.00	SY	\$ 21.29	\$ 28,528.60
P-304-8.1	Cement-Treated Base Course, 12" Depth	12,490.00	SY	\$ 51.49	\$ 643,110.10
P-401-8.1	Plant Mix Bituminous Pavement, 5" Surface Course	360.00	TON	\$ 159.45	\$ 57,402.00
P-403-8.2	HMA Pavement, 9" Base Course	660.00	TON	\$ 142.54	\$ 94,076.40
P-501-8.1	Portland Cement Concrete Pavement, 16"	11,710.00	SY	\$ 124.57	\$ 1,458,714.70
P-604-6.1	Preformed Sealer, 1/2-inch Joint	9,720.00	LF	\$ 5.80	\$ 56,376.00
P-604-6.2	Preformed Sealer, 1-inch Joint	370.00	LF	\$ 9.67	\$ 3,577.90
P-605-5.1	Hot Applied Edge Seal	190.00	LF	\$ 18.73	\$ 3,558.70
P-620-5.1	Reflective Yellow Taxiway Pavement Markings	4,610.00	SF	\$ 4.01	\$ 18,486.10

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P-620-5.3	Non-Reflective Black Pavement Markings	3,790.00	SF	\$ 4.01	\$ 15,197.90
P-620-5.4	Surface Painted Hold Position Signs	410.00	SF	\$ 10.95	\$ 4,489.50
P-620-5.5	Pavement Marking Obliteration	740.00	SF	\$ 5.20	\$ 3,848.00
L-108-5.1	No. 8 AWG , 5 kV, L-824, Type C Cable, Installed in Duct Bank or Conduit	6,000.00	LF	\$ 2.56	\$ 15,360.00
L-108-5.2	No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Including Connections	4,000.00	LF	\$ 2.56	\$ 10,240.00
L-110-5.1	Non-Encased Duct Bank, 4-Way 4"	200.00	LF	\$ 54.37	\$ 10,874.00
L-110-5.2	Concrete Encased Duct Bank, 4-Way 4"	500.00	LF	\$ 138.64	\$ 69,320.00
L-110-5.3	Non-Encased Conduit, 1-Way 2"	2,800.00	LF	\$ 24.16	\$ 67,648.00
L-110-5.4	Concrete Encased Conduit, 1-Way 2"	220.00	LF	\$ 37.94	\$ 8,346.80
L-115-5.1	Concrete Aircraft Load Rated Electrical Handhole	3.00	EA	\$ 15,705.73	\$ 47,117.19
L-125-5.1	New Size "B" L-867 Base Can for Any New, Reinstalled or Future Fixture in New Paved Shoulder	31.00	EA	\$ 1,812.20	\$ 56,178.20
L-125-5.2	New L-861T(L) Taxiway Edge Light with New Isolation Transformer on New or Existing Base	29.00	EA	\$ 604.07	\$ 17,518.03
L-125-5.3	Reinstall L-861E Taxiway Edge Light with New Isolation Transformer on New or Existing Base	2.00	EA	\$ 604.07	\$ 1,208.14
L-125-5.4	New Size 3, 1-Module Guidance Sign with New Isolation Transformer and New Concrete Foundation	1.00	EA	\$ 7,556.87	\$ 7,556.87

ADDITIVE ALTERNATE 1

TOTAL COST: \$ 3,686,509.28

ADDITIVE ALTERNATE 2

Add New Bid Item:	Description	Quantity	Unit	Unit Price	Cost
100.1	Mobilization/Demobilization	1.00	LS	\$ 12,001.01	\$ 12,001.01
100.2	Insurance and Bonds	1.00	LS	\$ 1,200.00	\$ 1,200.00
100.3	Airside Safety and Security / Traffic Control	1.00	LS	\$ 57,404.24	\$ 57,404.24
101.1	Preparing Right-of-Way	1.00	LS	\$ 2,850.26	\$ 2,850.26
C-100	Contractor Quality Control	1.00	LS	\$ 15,258.72	\$ 15,258.72
C-105	Field Office and Curing Facilities	1.00	LS	\$ 6,085.82	\$ 6,085.82
540.1	Storm Water Pollution Prevention Plan	1.00	LS	\$ 7,013.72	\$ 7,013.72
P-155-8.1	Lime-Treated Subgrade (6" Depth)	7,370.00	SY	\$ 5.42	\$ 39,945.40

San Antonio International Airport

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Field Alteration 2

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P-155-8.2	Lime	160.00	TON	\$ 226.84	\$ 36,294.40
P-208-5.1	Uncrushed Aggregate Base Course, 13" Depth	7,370.00	SY	\$ 28.06	\$ 206,802.20
P-403-8.1	HMA Pavement, 3" Surface Course	1,160.00	TON	\$ 137.71	\$ 159,743.60
P-605-5.1	Hot Applied Edge Seal	2,340.00	LF	\$ 5.07	\$ 11,863.80
P-620-5.1	Reflective Yellow Taxiway Pavement Markings	2,160.00	SF	\$ 4.01	\$ 8,661.60

ADDITIVE ALTERNATE 2

TOTAL COST: \$ 565,124.77

ADDITIVE ALTERNATE 3

Add New Bid Item:	Description	Quantity	Unit	Unit Price	Cost
100.1	Mobilization/Demobilization	1.00	LS	\$ 35,000.00	\$ 35,000.00
100.2	Insurance and Bonds	1.00	LS	\$ 3,500.00	\$ 3,500.00
100.3	Airside Safety and Security / Traffic Control	1.00	LS	\$ 57,404.24	\$ 57,404.24
101.1	Preparing Right-of-Way	1.00	LS	\$ 2,850.26	\$ 2,850.26
C-100	Contractor Quality Control	1.00	LS	\$ 36,243.99	\$ 36,243.99
C-105	Field Office and Curing Facilities	1.00	LS	\$ 6,085.82	\$ 6,085.82
540.1	Storm Water Pollution Prevention Plan	1.00	LS	\$ 7,013.72	\$ 7,013.72
P-101-5.2	Bituminous Pavement Removal	6,640.00	SY	\$ 9.53	\$ 63,279.20
T-904-5.1	Sodding	6,640.00	SY	\$ 32.87	\$ 218,256.80
T-905-5.1	Topsoil, 2" Depth	1,110.00	CY	\$ 11.09	\$ 12,309.90
L-100-5.1	Electrical Demolition	1.00	LS	\$ 12,081.33	\$ 12,081.33
L-108-5.1	No. 8 AWG , 5 kV, L-824, Type C Cable, Installed in Duct Bank or Conduit	360.00	LF	\$ 2.56	\$ 921.60
L-108-5.2	No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Including Connections	360.00	LF	\$ 2.56	\$ 921.60
L-110-5.3	Non-Encased Conduit, 1-Way 2"	360.00	LF	\$ 24.16	\$ 8,697.60
L-125-5.1	New Size "B" L-867 Base Can for Any New, Reinstalled or Future Fixture in New Paved Shoulder	2.00	EA	\$ 604.07	\$ 1,208.14
L-125-5.2	New L-861T(L) Taxiway Edge Light with New Isolation Transformer on New or Existing Base	2.00	EA	\$ 604.07	\$ 1,208.14

ADDITIVE ALTERNATE 3

TOTAL COST: \$ 466,982.34

San Antonio International Airport

Remove Bridge, Remove MSW, and Reconstruct Taxiway R (Connector) (PKG 7)

Field Alteration 2

Date Prepared:

9/20/2021

Attachment A

ADDITIVE ALTERNATE 4

Add New Bid Item:	Description	Quantity	Unit	Unit Price	Cost
100.1	Mobilization/Demobilization	1.00	LS	\$ 20,001.01	\$ 20,001.01
100.2	Insurance and Bonds	1.00	LS	\$ 2,000.00	\$ 2,000.00
100.3	Airside Safety and Security / Traffic Control	1.00	LS	\$ 57,404.24	\$ 57,404.24
101.1	Preparing Right-of-Way	1.00	LS	\$ 2,850.26	\$ 2,850.26
C-100	Contractor Quality Control	1.00	LS	\$ 25,079.64	\$ 25,079.64
C-105	Field Office and Curing Facilities	1.00	LS	\$ 6,085.82	\$ 6,085.82
540.1	Storm Water Pollution Prevention Plan	1.00	LS	\$ 7,013.72	\$ 7,013.72
P-101-5.7	Cold Milling, 3" Depth	960.00	SY	\$ 7.39	\$ 7,094.40
P-151-4.1	Clearing and Grubbing	0.87	AC	\$ 7,480.33	\$ 6,507.89
P-152-4.1	Unclassified Excavation	290.00	CY	\$ 38.11	\$ 11,051.90
P-152-4.6	Compacted Subgrade, 6" Depth	1,120.00	SY	\$ 22.69	\$ 25,412.80
P-209-5.1	Crushed Aggregate Base Course, 6" Depth	1,120.00	SY	\$ 7.77	\$ 8,702.40
P-403-8.1	HMA Pavement, 3" Surface Course	210.00	TON	\$ 169.12	\$ 35,515.20
P-403-8.3	HMA Pavement, 9.5" Surface Course	580.00	TON	\$ 141.96	\$ 82,336.80
P-605-5.1	Hot Applied Edge Seal	100.00	LF	\$ 41.08	\$ 4,108.00
T-904-5.1	Sodding	2,920.00	SY	\$ 4.92	\$ 14,366.40
T-905-5.1	Topsoil, 2" Depth	160.00	CY	\$ 11.09	\$ 1,774.40

ADDITIVE ALTERNATE 4

TOTAL COST: \$ 317,304.88

ADDITIVE ALTERNATE 5

Add New Bid Item:	Description	Quantity	Unit	Unit Price	Cost
100.1	Mobilization/Demobilization	1.00	LS	\$ 250,000.00	\$ 250,000.00
100.2	Insurance and Bonds	1.00	LS	\$ 25,000.00	\$ 25,000.00
100.3	Airside Safety and Security / Traffic Control	1.00	LS	\$ 57,386.35	\$ 57,386.35
101.1	Preparing Right-of-Way	1.00	LS	\$ 2,849.37	\$ 2,849.37
C-100	Contractor Quality Control	1.00	LS	\$ 51,249.94	\$ 51,249.94
C-105	Field Office and Curing Facilities	1.00	LS	\$ 6,083.92	\$ 6,083.92
540.1	Storm Water Pollution Prevention Plan	1.00	LS	\$ 8,823.16	\$ 8,823.16
P-101-5.5	Asphalt Pavement Saw Cut	572.00	LF	\$ 5.43	\$ 3,105.96

San Antonio International Airport

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Field Alteration 2

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Attachment A

P-101-5.6	Cold Milling, 5" Depth	69,816.00	SY	\$ 3.05	\$ 212,938.80
P-101-5.8	Asphalt Crack Seal Repair	2,000.00	LF	\$ 6.04	\$ 12,080.00
P-401-8.1	Plant Mix Bituminous Pavement, 5" Surface Course	18,327.00	TON	\$ 146.16	\$ 2,678,674.32
P-620-5.1	Reflective Yellow Taxiway Pavement Markings	25,576.00	SF	\$ 4.01	\$ 102,559.76
P-620-5.2	Reflective White Taxiway Pavement Markings	67,187.00	SF	\$ 4.01	\$ 269,419.87
P-620-5.3	Non-Reflective Black Pavement Markings	18,646.00	SF	\$ 4.01	\$ 74,770.46
P-620-5.4	Surface Painted Hold Position Signs	994.00	SF	\$ 10.95	\$ 10,884.30
P-620-5.5	Pavement Marking Obliteration	13,152.00	SF	\$ 5.21	\$ 68,521.92
L-105-6.1	Temporary Jumpers, Lighting and Signage	1.00	LS	\$ 12,077.56	\$ 12,077.56
SP-1	Two-Course Surface Treatment (FAA Access Roads)	17,610.00	SY	\$ 7.37	\$ 129,785.70

ADDITIVE ALTERNATE 5

TOTAL COST: \$ 3,976,211.39