



July 5, 2017

Mr. Jay Howe
Facilities Director
Cochise County
1415 Melody Lane, Building C
Bisbee, AZ 85603

Re: Recommendation of Award
Bisbee-Douglas International Airport
Schedule I – Reconstruct Taxiway A
A.I.P. No. 3-04-0013-010-2016 (Design)
A.I.P. No. 3-04-0013-011-2017 (Construction)

Dear Mr. Howe,

As you are aware, bids were received on the above noted project on June 29, 2017. Three (3) bids were received on the project. A bid tabulation is attached reflecting the bids along with the Engineer's Cost Estimate.

The bids were reviewed for conformance to the requirements. The review included a check of the math, evidence of unbalancing, bid bond, and appropriate signatures. The bids generally appear to be responsive.

Pavex Corporation is the low bidder for the project. The low bidder has been determined based upon the lowest amount for Schedule I construction items.

The following table shows the relationship of the bids to each other and the Engineer's estimate:

CONTRACTOR	SCHEDULE I	Total
Pavex Corp.	\$673,025.00	\$673,025.00
KE & G	\$998,866.00	\$998,866.00
S.J. Anderson	\$1,091,656.00	\$1,091,656.00
Engineer's Estimate	\$889,267.50	\$889,267.50

The project was advertised twice over four weeks in the San Pedro Valley News – Sun Arizona Range News and posted to PublicPurchase.com as required by Cochise County. Faxes and/or emails of the bid advertisement were sent to fifteen (15) potential bidders. There were nine (9) sets of documents purchased by potential bidders and subcontractors. At the Pre-bid meeting held on June 20, 2017 there was seven (7) potential contractors that attended the meeting and site visit.


Based upon our review, we recommend that Schedule I to be awarded to Pavex Corporation in the amount of \$673,025.00. Pavex was contacted to discuss the cost disparity between bidders. Pavex is confident their proposed bid cost is correct and sufficient to provide a product meeting the project plan and specifications.

Armstrong recommends the following budgets be developed for the project:

COST SUMMARY - A.I.P. No. 3-04-0013-011-2017	
ENGINEERING AND CONSTRUCTION ADMINISTRATION COST	\$136,270.00
SPONSOR ADMINISTRATION	\$5,000.00
CONSTRUCTION COST	\$673,025.00
TOTAL ESTIMATED PROJECT COST	\$814,295.00
FAA GRANT REQUEST	\$741,497.00
ADOT GRANT REQUEST	\$36,398.99
LOCAL SHARE BASED ON GRANT	\$36,399.01

Should you have any questions, please call me at (602) 803-7079 or email me at jason@armstrongconsultants.com.

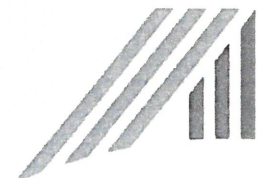
Sincerely,
ARMSTRONG CONSULTANTS, INC.



COLIN STERNS, P.E.

FOR Jason Musselman, P.E.
 Director of Aviation Services

Enclosures: Bid Tabulation





BID TABULATION

Bisbee Douglas International Airport
 Douglas, Arizona
 AIP No. 3-04-0013-010-2016
 ACI No. 166352

Bid Opening: June 29, 2017 at 4:00 p.m.

Item No.	Spec No.	Description	Qty	Unit	Engineer's Estimate		Pavex		KE & G Construction, Inc.	
					Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
SCHEDULE I - RECONSTRUCT TAXIWAY A										
1	Section 105	Mobilization	1	LS	\$ 100,000.00	\$ 100,000.00	\$ 21,000.00	\$ 21,000.00	\$ 211,503.00	\$ 211,503.00
2	Special-2a	Remove Concrete Pavement	20,250	SY	\$ 10.00	\$ 202,500.00	\$ 5.00	\$ 101,250.00	\$ 12.00	\$ 243,000.00
3	Special-2b	Remove Sign Panel	4	Each	\$ 200.00	\$ 800.00	\$ 30.00	\$ 120.00	\$ 255.00	\$ 1,020.00
4	Special - 2c	Remove Asphalt Pavement (Full Depth)	950	SY	\$ 5.00	\$ 4,750.00	\$ 2.00	\$ 1,900.00	\$ 15.50	\$ 14,725.00
5	Special-6	Watering	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental
6	P-152	Embankment In Place	3,500	CY	\$ 15.00	\$ 52,500.00	\$ 7.00	\$ 24,500.00	\$ 13.00	\$ 45,500.00
7	P-155	Lime-Treated Subgrade	7,900	SY	\$ 12.00	\$ 94,800.00	\$ 10.00	\$ 79,000.00	\$ 12.50	\$ 98,750.00
8	P-208	Aggregate Base Course (7 Inches Thick)	7,350	SY	\$ 25.00	\$ 183,750.00	\$ 40.00	\$ 294,000.00	\$ 15.00	\$ 110,250.00
9	P-401	Bituminous Surface Course (3 Inches Thick)	1,483	Ton	\$ 135.00	\$ 200,205.00	\$ 80.00	\$ 118,640.00	\$ 152.00	\$ 225,416.00
10	P-603	Bituminous Tack Coat	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental
11	P-620a	Temporary Markings	1,375	SF	\$ 2.00	\$ 2,750.00	\$ 4.00	\$ 5,500.00	\$ 1.40	\$ 1,925.00
12	P-620b	Taxiway Markings	1,375	SF	\$ 1.50	\$ 2,062.50	\$ 4.00	\$ 5,500.00	\$ 1.40	\$ 1,925.00
13	P-620c	Reflective Media	1	LS	\$ 500.00	\$ 500.00	\$ 240.00	\$ 240.00	\$ 285.00	\$ 285.00
14	P-620d	Pavement Marking Removal	310	SF	\$ 15.00	\$ 4,650.00	\$ 2.50	\$ 775.00	\$ 5.70	\$ 1,767.00
15	T-901	Seeding	6	Acres	\$ 3,500.00	\$ 21,000.00	\$ 1,900.00	\$ 11,400.00	\$ 2,250.00	\$ 13,500.00
16	T-908	Mulching	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental
17	L-125a	Lighted Guidance Sign Panel	2	Each	\$ 500.00	\$ 1,000.00	\$ 400.00	\$ 800.00	\$ 700.00	\$ 1,400.00
18	L-125b	Unlighted Guidance Sign Panel	2	Each	\$ 1,500.00	\$ 3,000.00	\$ 700.00	\$ 1,400.00	\$ 3,600.00	\$ 7,200.00
19	CSPP	General Construction Safety and Phasing	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental	Incidental
20	CSPP	Taxi Bypass Route	1	LS	\$ 15,000.00	\$ 15,000.00	\$ 7,000.00	\$ 7,000.00	\$ 20,700.00	\$ 20,700.00
TOTAL SCHEDULE I					\$	889,267.50	\$	673,025.00	\$	998,866.00



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BID TABULATION

Bisbee Douglas International Airport
Douglas, Arizona
AIP No. 3-04-0013-010-2016
ACI No. 166352

Bid Opening: June 29, 2017 at 4:00 p.m.

Item No.	Spec No.	Description	Qty	Unit	S.J. Anderson	
					Unit Price	Amount
SCHEDULE I - RECONSTRUCT Taxiway A (continued)						
1	Section 105	Mobilization	1	LS	\$ 200,000.00	\$ 200,000.00
2	Special-2a	Remove Concrete Pavement	20,250	SY	\$ 13.59	\$ 275,197.50
3	Special-2b	Remove Sign Panel	4	Each	\$ 200.00	\$ 800.00
4	Special - 2c	Remove Asphalt Pavement (Full Depth)	950	SY	\$ 12.00	\$ 11,400.00
5	Special-6	Watering	Incidental	Incidental	Incidental	Incidental
6	P-152	Embankment in Place	3,500	CY	\$ 20.00	\$ 70,000.00
7	P-155	Lime-Treated Subgrade	7,900	SY	\$ 18.00	\$ 142,200.00
8	P-208	Aggregate Base Course (7 Inches Thick)	7,350	SY	\$ 19.91	\$ 146,338.50
9	P-401	Bituminous Surface Course (3 Inches Thick)	1,483	Ton	\$ 140.00	\$ 207,620.00
10	P-603	Bituminous Tack Coat	Incidental	Incidental	Incidental	Incidental
11	P-620a	Temporary Markings	1,375	SF	\$ 1.00	\$ 1,375.00
12	P-620b	Taxiway Markings	1,375	SF	\$ 1.00	\$ 1,375.00
13	P-620c	Reflective Media	1	LS	\$ 3,000.00	\$ 3,000.00
14	P-620d	Pavement Marking Removal	310	SF	\$ 5.00	\$ 1,550.00
15	T-901	Seeding	6	Acres	\$ 2,600.00	\$ 15,600.00
16	T-908	Mulching	Incidental	Incidental	Incidental	Incidental
17	L-125a	Lighted Guidance Sign Panel	2	Each	\$ 800.00	\$ 1,600.00
18	L-125b	Unlighted Guidance Sign Panel	2	Each	\$ 800.00	\$ 1,600.00
19	CSPP	General Construction Safety and Phasing	Incidental	Incidental	Incidental	Incidental
20	CSPP	Taxi Bypass Route	1	LS	\$ 12,000.00	\$ 12,000.00
TOTAL SCHEDULE I					\$	1,091,656.00



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BID TABULATION

Bisbee Douglas International Airport
Douglas, Arizona

AIP No. 3-04-0013-010-2016

ACI No. 166352

Bid Opening: June 29, 2017 at 4:00 p.m.

Engineer's Estimate	Pavex	KE & G Construction, Inc.
\$ 889,267.50	\$ 673,025.00	\$ 998,866.00
S.J. Anderson		
\$ 1,091,656.00		
BID TOTAL - SCHEDULE I		

Highlighting denotes correction by Engineer due to Contractor's math error.