

RESOLUTION NO. 051214-1

A RESOLUTION GRANTING CERTAIN AUTHORIZATIONS FOR THE RUNWAY REHABILITATION PROJECT FOR THE ABILENE MUNICIPAL AIRPORT

WHEREAS, the City of Abilene, Kansas, has the legal authority to apply for, receive, and administer federal, state, and other monies through its Home Rule authority under the Constitution of the State of Kansas and authorized by K.S.A. 12-1662, regarding the expenditure of federal aid to public agencies;

WHEREAS, the City Commission previously authorized the submittal of an application to the Federal Aviation Administration for federal aid funds dedicated to airport improvements for its Runway Rehabilitation Project as defined by Resolution No. 061013-1 ("Project");

WHEREAS, pursuant to federal requirements, the City retained PRT Consulting to conduct an Independent Cost Analysis to verify the fees of Olsson Associates for such Services, and such fees were determined to be reasonable;

WHEREAS, the City Commission desires to enter into an Agreement for Consulting Services with Olsson Associates for the purposes of providing Construction Engineering Services ("Services") related to the Runway Rehabilitation Project at the Abilene Municipal Airport contingent upon federal funds being appropriated for the Project;

NOW, THEREFORE BE IT RESOLVED, by the City Commission of the City of Abilene, as follows:

Section 1. Agreement. That Amendment No. 3 for Consulting Services between Olsson Associates and the City of Abilene, Kansas, is hereby adopted as attached hereto as **Exhibit A**, contingent upon and subject to an award of federal funds by the Federal Aviation Administration for said Project.

Section 2. Independent Cost Analysis. That the Independent Cost Analysis conducted by PRT Consulting is attached hereto as **Exhibit B**, and the City Commission hereby determines that the fees proposed by Olsson Associates for said Services, as provided in Amendment No. 3, are reasonable.

Section 3. Implementation. The City Manager is hereby authorized to execute the necessary Grant Application Documents for discretionary funds for said Project and Agreement No. 3 for Consulting Services with Olsson Associates upon notice of award by the Federal Aviation Administration that sufficient federal discretionary funds have been appropriated and authorized for said Project. The City Manager is hereby authorized to enforce the provisions as provided therein and in applicable resolutions, ordinances, and laws.

Section 4. Effective Date. That the effects of this Resolution shall be in full force after its approval by the City Commission, and upon award by the Federal Aviation Administration of discretionary funds for said Project.

PASSED AND APPROVED by the Governing Body of the City of Abilene, Kansas this 12th day of May, 2014.



ATTEST:

Penny Soukup, CMC

Penny Soukup CMC
City Clerk

CITY OF ABILENE, KANSAS

By:

Brenda Finn Bowers
Brenda Finn Bowers, Mayor

EXHIBIT A

Amendment No. 3 to Agreement for Consulting Services

City of Abilene, Kansas

and

Olsson Associates

(Runway Rehabilitation Project)

May 12, 2014

AMENDMENT NO. 3
to
CONSULTANT AGREEMENT

City of Abilene
419 N Broadway
Abilene, KS 67410

Re: Abilene Municipal Airport
AIP Project No. 3-20-0001-009
OA Project No. 013-0286
Rehabilitate Runway 17/35

This amendment will revise the Agreement executed on February 18, 2013, Amendment No. 1 executed on August 12, 2013, and Amendment No. 2 executed on October 31, 2013 as described below:

Section 4A: Construction Phase.

The following work is added only if the FAA issues a FY14 grant for the Runway 17/35 Whitetopping and Lighting project as submitted to the FAA on January 24, 2014. If no grant is issued in FY14, then the Consultant will not proceed with any of these tasks.

The fees for this phase are based on Base Bid: 60 Working Days and Alternate Bid: 54 working days (construction contract time). Under this phase the Consultant agrees to perform the following services:

- a. Provide consultation, advice and technical assistance to the Sponsor during all construction phases.
- b. Assign a Project Manager/Engineer to the project that will periodically observe work in progress, review test reports and provide weekly working day, construction progress and testing reports to the Sponsor and the FAA. One site visit every two weeks is estimated. The Consultant will provide written confirmation that all performance tests required by the specifications were conducted and met or exceeded the specifications.
- c. Submit a Construction Observation Program at least 10 days prior to the preconstruction meeting. The Consultant will comply with FAA/ACE AIP Guide No. 1030 - Construction Management Program.
- d. Conduct a preconstruction conference, per FAA/ACE AIP Guide No. 1040 – Preconstruction Conference. Submit a formal report of the conference discussions.

- e. Upon receipt of FAA authorization to issue a Notice to Proceed, the Consultant will issue, for the Sponsor, the Notice to Proceed to the Contractor.
- f. Provide field and/or construction surveys and staking, as required under the FAA standard specification General Provision 50-06, including horizontal and vertical control, spot checks and final cross sections for establishing pay quantities and as-built plans.
- g. Provide full-time on-site construction observation in accordance with FAA/ACE AIP Guide No. 1030 – Construction Observation, includes weekly on-site meeting.
- h. Provide construction testing services, to include testing of materials and soils during construction, as required by the project specifications. (refer to Section 4B: Construction Testing)
- i. Review and approve mix design and shop drawings and all materials data submitted by construction contractors for compliance with design concepts. Monitor compliance with "Buy American" contract provisions.
- j. Prepare and negotiate contract modifications, change orders and supplemental agreements, according to the FAA/ACE AIP Guide No. 1080 - Contract Modifications, 1081 – Change Orders and 1082 – Supplemental Agreements.
- k. Prepare and verify Contractor periodic payment requests.
- l. Prepare for Sponsor signature AIP Requests for Reimbursement - DELPHI Invoice Summary form and Project Status Memorandum for each DELPHI drawdown.
- m. Prepare for Sponsor signature AIP Requests for Reimbursement (SF-271) and Federal Financial Report (SF-425 form) as required each Fiscal Year End.
- n. Prepare and submit weekly Construction Progress Reports with photograph log.
- o. Prepare and submit Sponsor Quarterly Performance Reports and provide other project administration.
- p. Monitor contractor's compliance with Davis Bacon Labor Standards including reviews of contractor certified payrolls and conducting wage rate interviews. Provide compliance documentation to Sponsor.
- q. Monitor contractor's compliance with DBE requirements and Equal Employment Opportunity requirements.
- r. Arrange and conduct final inspections. Monitor completion of punch list items. Prepare final inspection report.

Section 4B: Construction Testing Phase

Construction Testing Services: Provide Testing of materials, soils, and concrete during construction, as required by the project specifications and the Construction Observation Program. The main testing laboratory will be Mid State Engineering and Testing. See **Exhibit E** for a list of the anticipated tests and other services.

Section 5: Close-Out Phase.

The following work is added only if the FAA issues a FY14 grant for the Runway 17/35 Whitetopping and Lighting project as submitted to the FAA on January 24, 2014. If no grant is issued in FY14, then the Consultant will not proceed with any of these tasks.

Under this phase the Consultant agrees to provide the following items, in accordance with FAA/ACE AIP Guide No. 1610 - Development Project Closeout. Consultant agrees to complete this phase within 90 days of final acceptance. If the Contractor does not provide their documentation (wage rate reports, DBE final utilization, etc.) within this time limit, this will be so noted in the close-out documents.

- a. Sponsor Certification of Final Acceptance
- b. Final Outlay Report (SF 271) and DELPHI Invoice Summary
- c. Final Project Cost Summary
- d. Final Federal Financial Report (SF 425)
- e. Final Construction Report, including
 - i. Brief narrative of work accomplished
 - ii. Summary of key milestone dates
 - iii. Explanation of liquidated damages
 - iv. Statement of compliance with contract labor provisions
 - v. Statement of compliance with Buy American provisions
 - vi. Summary of final contract quantities
 - vii. Explanation of underruns and overruns
 - viii. Change order summary
 - ix. Testing report summary with acceptance test results & pay factor adjustments.
 - x. Statement that installed airport lighting equipment complies with AC 150/5345-53C
 - xi. Final inspection report
 - xii. Contractor's final statement of completion
 - xiii. Photographs
- f. Summary of DBE Utilization
- g. As-built construction drawings
- h. As-built Airport Layout Plan (ALP).
- i. 5010 Updates
- j. Sponsor Cover Letter

Section 6: Fees and Charges.

The Sponsor shall pay the Consultant for the services described in this agreement as indicated below. If the Alternate Bid is not awarded, the "Not-to-Exceed" amount may be decreased by a supplemental agreement to this contract.

Section 4A: Construction Phase. Payment for the items included in the Construction Phase shall be made based on direct salary, overhead costs and reimbursable expenses incurred plus a fixed payment and subcontract costs. The schedule of charges and reimbursable expenses for the Base Bid is depicted in **Exhibit D-1** and the Base Bid and Alternate bid is depicted in **Exhibit D-2** attached and made a part hereto. Labor and general administration overhead percentage shall be supported by a statement of overhead expenses certified by the consultant's auditor or a governmental auditor.

The total charges for the construction phase (includes Subcontracts costs depicted in Section 4B and **Exhibit E**) will not be greater than the Base bid and Alternate Bid "Not-to-Exceed" (NTE) amount of \$300,800.00 if 1) the construction work is completed within the construction contract aggregate time allowance; and 2) the scope of work as set forth in Section 1 is not exceeded. If either of these two events occur, the "Not-to-Exceed" amount may be increased by a supplemental agreement to this contract. No payment above the Not-to-Exceed limit shall be made without prior approval of an amendment supported by proper justification.

Payment shall be due monthly for incurred charges and expenses based on detailed invoices. Invoices shall include a pro rata portion of the fixed fee with the final invoice adjusted to include the remaining unpaid balance of the fixed fee.

Section 4B: Construction Testing Phase (Subcontract Costs). Construction testing services for the Base Bid and Alternate Bid are estimated to be \$ 33,832.00, as shown on **Exhibit E**. The estimate is not a firm contractual amount. The estimated fee amount may be increased beyond that anticipated in **Exhibit E** if additional services are necessary. The Consultant must notify the Sponsor and FAA in writing that the testing fees are close to the limit and the project cannot be completed within the estimated fee amount. The notification shall include justification for the overrun referencing applicable tests required by the specifications and a revised **Exhibit E** depicting the new schedule of charges. The new schedule of charges will contain the same unit charges (rate/hour, rate/test, etc.), as well as overhead percentage and fixed fee if applicable, as provided in **Exhibit E** of this contract. No payment above the estimated amount shall be made without prior approval from the FAA and supported by proper justification.

Payment for Construction Testing shall be due monthly for incurred charges and expenses based on detailed invoices. Invoices shall include a pro rata portion of the fixed fee with the final invoice adjusted to include the remaining unpaid balance of the fixed fee.

If Construction Testing are added during the course of this contract, a supplemental agreement will be executed to cover any added fees when the services are authorized. All supplemental agreements are subject to the same approvals as this agreement.

Section 5: Close-Out Phase. Payment for the items included in the Closeout Phase, shall be the lump sum of \$ 16,900.00 shown on **Exhibit F**, attached and made a part hereto. Payment shall be due monthly based on the percentage of work completed.

If this amendment is satisfactory, please sign in the space provided. Keep one copy and return two copies to Olsson Associates.

OLSSON ASSOCIATES

PO Box 84608
Lincoln, NE 68501

By _____
Attest

By _____

Date _____

CITY OF ABILENE

419 N Broadway
Abilene, KS 67410

By _____
Attest

By _____
City Manager

Date _____

DRAFT

EXHIBIT D-1

CONSTRUCTION PHASE SERVICES - BASE BID ONLY

Abilene Municipal Airport 3-20-0001-009

Based on estimated 60 working days

1.	<u>Direct Salary Costs</u>		Direct Salary	Total
		<u>Hours</u>	<u>Rate/Hour</u>	<u>Costs (\$)</u>
	<u>Title</u>			
	Team Leader	10.00	\$58.19	\$581.88
	Sr. Project Engineer	169.00	\$49.40	\$8,348.60
	Project Engineer	257.00	\$41.08	\$10,557.56
	Elec. or Mech. Engineer	10.00	\$43.68	\$436.80
	Assistant Engineer	138.00	\$30.68	\$4,233.84
	Registered Surveyor	24.00	\$39.52	\$948.48
	Sr. Technician	719.00	\$25.48	\$18,320.12
	Assoc. Technician	281.00	\$21.84	\$6,137.04
	Asst. Technician	36.00	\$19.76	\$711.36
	Clerical	65.00	\$18.20	\$1,183.00
	Total Direct Salary Costs:			\$51,458.68
2.	<u>Labor and General & Administrative Overhead</u>			
	Percentage of Direct Salary Costs*	170.67%		\$87,824.53
3.	<u>Direct Nonsalary Expenses</u>			
	Travel			\$6,664.00
	Meals & Motel			\$6,950.00
	Copies & Prints			\$330.00
	Testing, Supplies, Phone, Misc.			\$895.00
	Total Expenses:			\$14,839.00
4.	Subtotal of Items 1, 2 & 3			\$154,122.21
5.	Fixed Fee: 15% of Item 4			\$23,118.33
6.	Subcontract costs			\$22,847.00
7.	Not-to-Exceed Total (Items 4 through 7)			\$200,087.54
	Rounded:			\$200,100.00

Item 2, the consultant should submit a statement of auditable overhead expenses, certified by the consultant's auditor, the sponsor's or, the state's auditor, or a Federal government auditor.

EXHIBIT D-2

**CONSTRUCTION PHASE SERVICES- BASE BID AND ALTERNATE BID
Abilene Municipal Airport 3-20-0001-009
Based on estimated 114 working days**

1.	<u>Direct Salary Costs</u>	Direct Salary	Total
		<u>Hours</u>	<u>Rate/Hour</u>
	<u>Title</u>		<u>Costs (\$)</u>
	Team Leader	20.00	\$1,163.76
	Sr. Project Engineer	261.00	\$12,893.40
	Project Engineer	388.00	\$15,939.04
	Elec. or Mech. Engineer	10.00	\$436.80
	Assistant Engineer	155.00	\$4,755.40
	Registered Surveyor	24.00	\$948.48
	Sr. Technician	1199.00	\$30,550.52
	Assoc. Technician	353.00	\$7,709.52
	Asst. Technician	36.00	\$711.36
	Clerical	73.00	\$1,328.60
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	Total Direct Salary Costs:		\$76,436.88
2.	<u>Labor and General & Administrative Overhead</u>		
	Percentage of Direct Salary Costs*	170.67%	\$130,454.82
3.	<u>Direct Nonsalary Expenses</u>		
	Travel		\$11,110.00
	Meals & Motel		\$12,950.00
	Copies & Prints		\$330.00
	Testing, Supplies, Phone, Misc.		\$895.00
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	Total Expenses:		\$25,285.00
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4.	Subtotal of Items 1, 2 & 3		\$232,176.70
5.	Fixed Fee: 15% of Item 4		\$34,826.51
6.	Subcontract costs		\$33,832.00
7.	Not-to-Exceed Total (Items 4 through 7)		\$300,835.21
		Rounded:	\$300,800.00

Item 2, the consultant should submit a statement of auditable overhead expenses, certified by the consultant's auditor, the sponsor's or, the state's auditor, or a Federal government auditor.

EXHIBIT E
CONSTRUCTION TESTING PHASE - BASE BID AND ALTERNATE BID
Abilene Municipal Airport 3-20-0001-009



April 3, 2014

Ms. Heather Olson
Olsson Associates
P.O. Box 84608
Lincoln, NE 68501

**RE: PROPOSAL OF WORK AND COSTS FOR
QUALITY ASSURANCE TESTING FOR
RUNWAY RECONSTRUCTION
ABILENE MUNICIPAL AIRPORT
ABILENE, KANSAS**

Dear Ms. Olson;

Mid-State Engineering and Testing is pleased to submit this proposal of work and costs for providing Quality Assurance Testing for the proposed Reconstruction of Runway and Alternate Bid for Taxiways at the Abilene Municipal Airport located in Abilene, Kansas. This proposal will outline the proposed scope of work and the associated costs required to provide Quality Assurance Testing.

PROJECT DESCRIPTION

Construction proposed at this time will consist of reconstruction of the Runway consisting of approximately 37,000 square yards of 6" thick P-501 P.C.C.P.

It is our understanding that an Alternate Bid for Taxiway Reconstruction will also be bid for approximately 8,500 square yards of 6" thick P-501 P.C.C.P.

Our estimate is based on a maximum of 15 days of Quality Assurance Testing and 18 Lots of Concrete Testing and for the Alternate Bid an additional 17 days of Quality Assurance Testing and 5 lots of concrete testing for the P-501 P.C.C.P. testing required on the job. Also included is the laboratory testing for items P-152, P-209, P-501 and P-610.

CONSTRUCTION QUALITY ASSURANCE TESTING

All testing for this project would be performed at the following unit rates:

SOILS & AGGREGATES

Moisture/Density Relationship (ASTM D-698) 4" Mold.....	140.00/each
Moisture/Density Relationship (ASTM D-698) 6" Mold.....	175.00/each
Atterberg Limits (ASTM D-2487).....	55.00/set
Wash Sieve Analysis (ASTM C-117 & C-136).....	90.00/each
Percent Passing #200 Sieve (ASTM C-117).....	25.00/each
Sodium Sulfate Soundness (ASTM C-88).....	175.00/each
L.A. Abrasion (ASTM C-131).....	200.00/each

CONCRETE

Cylinder Compressive Strength (ASTM C-39).....	\$ 14.00/each
Spare Cylinder (Store and Cure - No Break) (ATSM C-39).....	8.00/each
Concrete Length Determination (ASTM C-174).....	15.00/each
Concrete Cylinder Molds (20/case).....	30.00/each

FIELD OBSERVATION

Engineering Technicians (NICET, NDOR or ACI Certified).....	\$ 55.00/hour
Engineering Technicians Overtime and Weekends.....	70.00/hour
Concrete Test Set.....	90.00/set
(slump, air content, concrete temperature and cast 3 cylinders)	
Compaction Testing (Nuclear or Balloon).....	32.00/each
Trip Charge (Kearney to Abilene, Kansas Round Trip).....	400.00/trip
Per Diem.....	100.00/day

PROFESSIONAL SERVICES

Engineering (Professional Engineer).....	\$ 110.00/hour
Project Engineer (E.I.).....	80.00/hour
Project Manager (NICET IV).....	65.00/hour

ITEM P-152 EXCAVATION EMBANKMENT

4	Moisture/Density Relationship (4" Mold)	@ 140.00/each.....	\$ 560.00
4	Atterberg Limits	@ 55.00/each.....	220.00

4	Percent Passing #200 Sieve	@ 25.00/each.....	100.00
1	Project Manager Review	@ 65.00/hour	65.00
	Total.....		\$ 945.00

ITEM P-209 AGGREGATE BASE COURSE

1	Atterberg Limits	@ 55.00/day.....	\$ 55.00
1	Sodium Sulfate Soundness	@ 175.00/each.....	175.00
1	L.A. Abrasion	@ 200.00/each.....	200.00
3	Moisture/Density Relationship (6" Mold)	@ 175.00/each.....	525.00
13	Washed Sieve Analysis	@ 90.00/each.....	1170.00
3	Project Manager Review	@ 65.00/hour.....	195.00
	Total.....		\$ 2,320.00

ITEM P-610 STRUCTURAL CONCRETE

20	Compressive Strength Tests	@ 14.00/each.....	\$ 280.00
	Total.....		\$ 280.00

ITEM P-501 PORTLAND CEMENT CONCRETE PAVING

10	Per Diem	@ 100.00/day.....	\$ 1,000.00
10	Trip Charge	@ 400.00/each.....	4,000.00
60	Full Time Observation (C.E.T.)	@ 55.00/hour.....	3,300.00
72	Concrete Test Sets	@ 90.00/set.....	6,480.00
144	Compressive Strength Test	@ 14.00/each.....	2,016.00
72	Spare Cylinders	@ 8.00/each.....	576.00
72	Concrete Length Determination	@ 15.00/each.....	1,080.00
11	Cylinder Molds (20/case)	@ 30.00/case	330.00
8	Project Manager Review	@ 65.00/hour.....	520.00
	Total.....		\$ 19,302.00

TOTAL COST ESTIMATE..... **\$ 22,847.00**

Based on our understanding of the project, and assuming that approximately 15 days of Quality Assurance Testing and 18 Lots of Concrete Testing, a total cost of \$22,847.00 is estimated. All work will be invoiced at the unit rates noted in this proposal for only the work performed.

If the alternate bid is accepted the additional concrete testing will be required as follows:

ITEM P-501 PORTLAND CEMENT CONCRETE PAVING ALTERNATE

10	Per Diem	@ 100.00/day.....	\$ 1,000.00
10	Trip Charge	@ 400.00/each.....	4,000.00
50	Full Time Observation (C.E.T.)	@ 55.00/hour.....	2,750.00
20	Concrete Test Sets	@ 90.00/set.....	1,800.00
40	Compressive Strength Test	@ 14.00/each.....	560.00
20	Spare Cylinders	@ 8.00/each.....	160.00
20	Concrete Length Determination	@ 15.00/each.....	300.00
3	Cylinder Molds (20/case)	@ 30.00/case.....	90.00
5	Project Manager Review	@ 65.00/hour.....	325.00
	Total.....		\$ 10,985.00

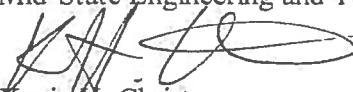
ALTERNATE COST ESTIMATE.....\$ 10,985.00

Based on our understanding of the project, and assuming that approximately 17 days of Quality Assurance Testing and 5 Lots of Concrete Testing, a cost of \$10,985.00 is estimated. All work will be invoiced at the unit rates noted in this proposal for only the work performed.

Mid-State Engineering & Testing Inc. is Qualified to conduct material testing for the U.S. Army Corps of Engineers for soils, aggregates and concrete tests and is Accredited through the AASHTO Accreditation Program in Concrete, and Aggregates. Inspections and proficiency tests are performed through CCRL and AMRL. Our field technicians are certified through NICET, ACI, and NDOR. Mid-State Engineering & Testing, Inc. carries a full range of general and professional liability insurance, which has been included for your review and would be in effect for this project. Any additional insurance requested would be invoiced only at the cost required to obtain the additional insurance.

If you have any questions or need additional information, feel free to call at your convenience. If this proposal of work and cost is acceptable, please return a signed copy to our office.

Respectfully submitted,
Mid-State Engineering and Testing


Kevin H. Christensen
Office Manager

Accepted by: _____ Date: _____

EXHIBIT F

CLOSE OUT PHASE
Abilene Municipal Airport

1. Direct Salary Costs

<u>Title</u>	<u>Hours</u>	<u>Direct Salary Rate/Hour</u>	<u>Costs (\$)</u>
Team Leader	2.00	\$58.19	\$116.38
Sr. Project Engineer	15.00	\$49.40	\$741.00
Project Engineer	28.00	\$41.08	\$1,150.24
Elec. or Mech. Engineer	0.00	\$43.68	\$0.00
Assistant Engineer	33.00	\$30.68	\$1,012.44
Registered Surveyor	0.00	\$39.52	\$0.00
Sr. Technician	0.00	\$25.48	\$0.00
Assoc. Technician	56.00	\$21.84	\$1,223.04
Asst. Technician	10.00	\$19.76	\$197.60
Clerical	46.00	\$18.20	\$837.20

Total Direct Salary Costs: \$5,277.90

2. Labor and General & Administrative Overhead

Percentage of Direct Salary Costs* 170.67% \$9,007.79

3. Direct Nonsalary Expenses

Travel	\$0.00
Meals & Motel	\$0.00
Copies & Prints	\$385.00
Supplies, Phone, Misc.	\$0.00

Total Expenses: \$385.00

4. Subtotal of Items 1, 2 & 3 \$14,670.68

5. Fixed Fee: 15% of Item 4 \$2,200.60

6. Subcontract costs \$0.00

7. Lump Sum Amount - Total Items 4, 5, & 6 \$16,871.28

Rounded: \$16,900.00

EXHIBIT B

Independent Fee Analysis

prepared by

PRT Consulting

(Runway Rehabilitation Project)

May 12, 2014



Efficient Transit Solutions

1340 Deerpath Trail · Suite 200
Franktown, CO 80116-9459

PHONE 303.532.1855

FAX 303.309.1913

WEB www.prtconsulting.com

April 12, 2014

Mr. David Dillner
City Manager
City of Abilene, KS
PO Box 519
419 N. Broadway Street
Abilene, KS 67410

re: Abilene Municipal Airport
AIP Project No. 3-20-0001-009
Construction Phase Independent Fee Estimate

Dear Mr. Dillner:

This is our independent fee estimate for consulting services for the Construction Phase, Construction Testing Phase and the Close-Out Phase for AIP Project No. 3-20-0001-009 Rehabilitate Runway 17/35.

We have based our estimate on the scope of work you emailed us on April 7, 2014 and a total of 114 construction working days. In addition, we have reviewed the billing rates and fees charged by other firms undertaking similar work in the region.

Our estimates for the consulting fees for the Construction Phase, Construction Testing Phase and the Close-Out Phase is \$393,190.00

Please see the attached sheet for the breakdown of fees.

Thank you for the opportunity to be of service to the City of Abilene. Please feel free to contact me should you have any questions.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Peter J. Muller".

Peter J. Muller, P.E.
President

**ABILENE MUNICIPAL AIRPORT
AIP PROJECT NO. 3-20-0001-009
CONSTRUCTION PHASE
Based on 114 working days**

1. Direct Salary Costs

<u>Title</u>	<u>Hours</u>	<u>Rate/Hour</u>	<u>Costs (\$)</u>
Team Leader	20	\$57.46	\$1,149.20
Sr. Engineer	10	\$50.16	\$501.60
Project Engineer	264	\$41.15	\$10,863.60
Electrical Engineer	25	\$41.15	\$1,028.75
Associate Engineer	1450	\$27.60	\$40,020.00
Assistant Engineer	85	\$22.51	\$1,913.35
Registered Surveyor	10	\$39.75	\$397.50
Senior Technician	70	\$25.15	\$1,760.50
Assistant Technician	70	\$20.20	\$1,414.00
Clerical	50	\$18.83	\$941.50
Total Hours	2054		
		Total Direct Salary Costs:	\$59,990.00

2. Labor and General & Administrative Overhead

Percentage of Direct Salary Costs: 168.00% **\$100,783.20**

3. Direct Nonsalary Expenses

Travel	LS	\$5,900.00
Meals & Motel	LS	\$20,300.00
Copies & Prints	LS	\$2,000.00
Supplies, Phone, Misc.	LS	\$2,500.00

Total Expenses: **\$30,700.00**

4. Subtotal of Items 1, 2 & 3 **\$191,473.20**

5. Fixed Fee: 15% of Item 4 **\$28,720.98**

6. Subcontract costs
Materials Testing **\$173,000.00**

7. Lump Sum Amount - Total Items 4, 5, & 6 **\$393,194.18**

Rounded **\$393,190**