

2/16/2018

All Bidders

Re: Washington County Airport
 "Acquire Private Hangar (Rehabilitate ABC Hangar and Apron)"
 Contract: 022818 - Hangar
 Addendum #1

Dear Bidders:

The contents of this Addendum alter and amend the original drawings and specifications and take precedence over the related items herein. This letter addendum (4 pages) and accompanying attachments (22 pages) are being posted on the County's website only.

CLARIFICATIONS / ADDENDUM CHANGES

- C1. Attached is the current Plan Holders List. (2 Pages)
- C2. Attached are the Pre-Bid Meeting Minutes and Sign-In Sheet. (9 Pages)

PROJECT MANUAL

- P1. Please replace the pages in the project manual with the included sheets (11 pages total). Page numbers on the bottom of the pages correspond with those in the manual. The following pages that need replaced are listed below. All addendum additions on these pages are shown in **bold** and *italic text*, and text deletions are shown using ~~strike through~~ text.

<u>Page #</u>	<u>Page Description</u>	<u>Direction</u>
Division 1 Page 3 to 10	PA State Wage Rates	Add
Division 3 Page 6	Proposal Form	Replace
Spec. 5501 Page 1to 3	Protective Coating for Cement Concrete Pavement	Add

- P2. Division 1 Page 3 to 10 has been added to include the PA State Wage Rates for this project.
- P3. Specification 5501 has been added to the technical specifications.
- P4. Specification 26 0923 'Lighting Control System': Touche Lighting Controls shall be an approved equivalent.
- P5. Specification 08 1113 – Hollow Metal Doors and Frames
 - a.) Item#1. Page 1, Paragraph 1.01.A – REVISE subparagraph A to read as follows:
 - A. Thermally insulated hollow metal doors to be installed in new hollow metal frames.
 - b.) Item #2. Page 3, Paragraph 2.04 – ADD subparagraph E to read as follows:
 - E. Exterior Door Frames: Face welded type.
 - 1. Galvanizing: Components hot-dipped zinc-iron alloy-coated (galvannealed) in accordance with ASTM A653/A653M, with A40/ZF120 coating.
 - 2. Frame Metal Thickness: 18 gage, 0.042 inch, minimum.

3. Weatherstripping: Separate, see Section 08 7100.

- c.) Item #3. Page 3, Paragraph 2.06 - ADD subparagraph B to read as follows:
B. Mechanical Fasteners for Concealed Metal-to-Metal Connections: Self-drilling, self-tapping, steel with electroplated zinc finish.
1. Manufacturers:
a. ITW Commercial Construction North America; ITW CCNA-Buildex Tek Select Series: www.ITWBuildex.com/#sle.
- d.) Item #4. Page 3, Paragraph 3.02 - REVISE subparagraph A to read as follows:
A. Install doors and frames in accordance with manufacturer's instructions and related requirements of specified door and frame standards or custom guidelines indicated.

CONTRACT DRAWINGS

D1. DRAWING AP-01 – TITLE SHEET AND CONTRACT QUANTITIES

- a.) Base Bid – Rehabilitate Office/Hangar Quantities
- i. Item No. 096813-4.1 Change Carpet from 1,500 to 1,700 Square Feet
 - ii. Item No. 096500-4.2 Change Rubber Base from 550 LF to 620 LF
 - iii. Item No. 087100-4.1 Change Door Hardware Only from 5 sets to 7 sets.

D2. DRAWING A101 – FIRST AND SECOND FLOOR PLAN

- a.) ROOM FINISH SCHEDULE
- i. Item #1. Revise Ceiling Finish from AC.T. to ETR at rooms Recep 103, Office 104, Corridor 105, Women 106 and Office 204.
 - ii. Item #2. At Mach. Room 114 and Fire Vault 207 wall finish to be ETR.
 - iii. Item #3. At Office 104 - floor finish to be CPT and base to be RUBBER

D3. DRAWING A131 – ROOF PLAN

- a.) Item #1. Note to install new neoprene closure at end of panels and re-caulk seam at roof panel and wall panel applies to the entire roof edge along column line JH.

D4. DRAWING A201 – EXTERIOR METAL STAIR PLANS AND ELEVATIONS AND DOOR SCHEDULE

- a.) Item #1. At doors 103, 122, 123, 124, and 126 replace door and frame. Original building manufacturer is Metallic Building Company. The 2" faced frames are to be replaced in kind and be painted the same as the doors.

QUESTIONS

- Q1. One item that was not discussed was the requirement in Section 80 Prosecution and Progress that requires the general contractor, "with his organization" is to perform at least 51% of the total contract cost. 80-01 SUBLETTING OF CONTRACT – Second paragraph. Please verify that this requirement will or will not be enforced on this project?
- A1. *This requirement has been modified to perform at least 25% of the total contract since there are several different items of work included with the bid.*
- Q2. Need specification section and measurement of payment for the following.
- a.) Pay Item 5501-4.1 Protective Coating for Cement Pavement "Non Fuel Area"
 - b.) Pay Item 5501-4.2 Protective Coating for Cement Pavement "Fuel Area"

c.) Pay item R-100-4.1 Roofing Repair

- A2. *A specification for 5501 Protective Coating for Cement Concrete Pavement has been included with the addendum. There will be no separate specification for the R-100 Roofing repair all the pertinent information is explained on the drawings.*
- Q3. **We have two bid items on the bid form for PROTECTIVE COATINGS. Please provide specification and acceptable product/ manufacturer for these coatings. Bid Items: 5501-4.1 & 5501-4.2**
- A3. *A specification for 5501 Protective Coating for Cement Concrete Pavement has been included with the addendum.*
- Q4. **Can an AIA-A305 Contractors Qualifications statement be submitted for the "Statement of Bidders Qualifications Form" in the Bidders document?**
- A4. *Yes, this is acceptable.*
- Q5. **Can the exterior steps and railings be painted the same color or do they need to match the existing paint that has faded away?**
- A5. *They can be painted the same color.*
- Q6. **The project room finish schedule requires us to install new acoustical ceilings in five separate rooms. Are we to install just new ceiling tile and reuse the existing ceiling grid system?**
- A6. *The room finish schedule has been revised, no new acoustical ceiling tiles will be installed with this project.*
- Q7. **Who should we contact to view the project site?**
- A7. *You should contact the Airport at 724-228-5151 to setup a day and time.*
- Q8. **Just verifying that this is a Single Prime Contract and we are to include the Electrical work in our proposal.**
- A8. *Yes, there is just a prime contract, all electrical work and all other various items of work shall be included in your proposal.*

LIST OF ATTACHMENTS

1. Planholders List (2 pages)
2. Pre-Bid Meeting Minutes and Sign-In Sheet (9 Pages)
3. Division 1 Page 3 to 10 - PA State Wage Rates (7 Pages)
4. Division 3 Page 6 (1 page)
5. Technical Specification 5501 Protective Coating for Cement Concrete Pavement (3 Pages)

- END OF ADDENDUM -

The inclusion of this Addendum shall be noted on Page 3-2 of the Proposal and the signature of the Bidder shall indicate full acceptance of the provisions herein.

All other provisions of these Specifications, Drawings, and Contract Documents shall remain unchanged and in full effect.

This Addendum shall be signed and attached to the Form of Proposal for the referenced contract. This Addendum shall also be attached to and become part of the Specifications for this Contract.

Sincerely,



Vince J. DeCario, PE
Project Manager, Aviation Services

ADDENDUM #1 (include a signed copy of this page with the Bid Proposal)

Contractor

Signed

Dated

VJD/vjd

Enclosures

cc: Toni Snyder – Washington County Purchasing
Mike Kolesar – PennDOT BOA
Bob Griffin - RAWC

WC Acquire Private Hangar, Contract #022818-Hangar**Hard Copy - \$75.00/ fee****Mailing Fee \$20.00**

DATE – P/U OR MAILED	COMPANY NAME & CONTACT	STREET, CITY, STATE, ZIP	PHONE NUMBER E-MAIL ADDRESS	hard copy - \$75.00 Mailing fee \$20.00 CD – Free, Mailing - \$5.00
1/24/2018	MacBracey Corp	2155 Park Avenue Washington PA 15301	724-229-0119 sam@macbracey.com	
1/25/2018	PBX	1813 North Franklin St Pittsburgh PA 15233	412-922-4200 karen@pbe.org	
1/26/2018	Waller Corp	2051 W Chestnut Street Washington PA 15301	724-223-9680 ann@wallercorporation.com	
1/26/2017	Maccabee Industry	113 Water Street Belle Vernon PA 15012	724-930-7557 dflszar@maccabeeind.net	
1/26/2018	DiMarco Construction	725-North State Road Clairton PA 15025	412-233-5504 412-233-9496	
1/29/2018	Michael Facchiano Contracting	801 McNeilly Road Pittsburgh PA 15226	412-344-8503 412-344-8913	
1/29/2018	Golon Inc	1334 Streets Run Road Pittsburgh PA 15236	412-885-6061 info@goloninc.com	

1/29/2018	UHL Construction Co	4912 Vernon Drive Allison Park PA 15101	724-443-0600	
1/31/2018	A. Folino Construction	109 Dark Hollow Road Oakmont PA 15139	412-820-2800 cschultz@afolino.com	
2/2/2018	Dove Contracting	195 Old Plank Road Washington PA 15301	marc@buildwithdove.com	
2/2/2018	Sherwin Williams	2701 Smallman Street Pittsburgh PA 15222	412-261-2617 swrep5516@sherwin.com	
2-9-18	Arkadia Contracting Inc	499 Arch St Carnegie PA 15106	412-429-5980 F: 412-429-5988 Arkadia2@verizon.net	
2-12-18	Fleehar	31 Windcrest Dr Cecil PA 15321	724-746-1060 dfcbuilder@aol.com	
2-14-18	Three Rivers Electric	4091 Saltsburg Rd Murrysville PA 15668	412-795-1822 jennifer@liokareasconstruction.com	
2/15/2018	Arcon Contracting	312 Westmoreland Avenue New Kensington PA 15068	P: 724-339-8722 F: 724-339-8723 E: aedwards@arconcontracting.com	

February 16, 2018

WASHINGTON COUNTY AIRPORT (KAFJ)
ACQUIRE PRIVATE HANGAR (REHABILITATE ABC HANGAR AND APRON)
COUNTY OF WASHINGTON
CONTRACT 022818 – HANGAR

- PRE-BID MEETING MINUTES

CIRCULATE THE SIGN IN SHEET (SEE ATTACHED SIGN IN SHEET)

GENERAL SCOPE OF THE PROJECT:

The scope of project entails the rehabilitation of the existing Airport Business Center (ABC) Hangar and offices which was recently purchased by the Airport. Also, the adjacent concrete slabs and asphalt apron will be rehabilitated with the project.

These areas will be broken up into two different phases.

Base Bid – Rehabilitate Office/Hangar

The rehabilitation of the existing Hangar and office space will include the following components:

- Replace existing overhead lights in the Hangar and add switches.
- Crackseal and epoxy coat the existing concrete floor of the Hangar
- Replace carpet in Pilot Lounge
- **Replace carpet in the downstairs offices.**
- Replace flooring in the mechanics private office, Kitchenette and Vestibule
- New carpet in second floor office area
- New paint on all walls on first and second floor
- Repair roof leaks
- **Remove/Replace Exterior Man Doors and Frames**
- Rehab/replace Exterior Steps

Base Bid – Rehabilitate Apron

The rehabilitation of the apron will include cracksealing and sealcoating of the existing asphalt pavement. Also, the 10' concrete apron (which extends across the front of the Hangar door) and concrete sidewalks will include cracksealing and sealing the surface of the concrete.

This summation is for informational purposes only and is not part of the Contract Documents. It is the responsibility of the Contractor to verify and supplement the information contained herein by a thorough examination of the Contract Documents.

ANTICIPATED PROJECT SCHEDULE:

Bids Accepted until: - 11:00 a.m., Wednesday, February 28, 2018 at the
County Controller
100 West Beau Street, Suite 403
Washington, PA 15301

Time and Place of Bid Opening: - 11:00 a.m., Wednesday, February 28, 2018 at the
Purchasing Office
100 West Beau Street, Suite 402
Washington, PA 15301

Bid Award - March 2018

Possible Start Construction Date - March 2018

CONTRACT TIME:

Total Contract Time: Total Contract time is 60 calendar days.

Base Bid (Rehabilitate Hangar) 50 Calendar Days

Base Bid (Rehabilitate Apron) 10 Calendar Days

****Note the calendar days will be tracked separately based on area of work. They most likely will be completed at different times of the year depending on weather.**

BID SECURITY:

Proposal must be accompanied by cash, certified check, cashier's check, bank good faith check, other irrevocable letter of credit or bid bond in the amount of 10% of the total amount bid and made payable to the order of the Washington County Commissioners. Only the Bid Securities listed will be accepted.

INSURANCE REQUIREMENTS:

- \$5,000,000 worth of insurance is needed including Employer Liability, Workmen's Compensation Liability, and General Liability,

- \$1,000,000 worth of insurance is needed for Automobile Liability and Contractors Protective etc. These are on Page ii of the Project Manual.

- County of Washington, PennDOT Bureau of Aviation and L. R. Kimball must be named as an additional or coinsured.

LIQUIDATED DAMAGES:

- \$ 1,200.00 per calendar day

BIDS MAY BE HELD:

- 120 days

AVAILABILITY OF CONTRACT DOCUMENTS:

Complete packages of plans and specifications may be obtained in PDF format on compact disc at the Washington County Purchasing Office, 100 West Beau Street, Suite 402, Washington, PA 15301 at no fee. Compact disc will be mailed for a non-refundable fee of \$5.00. Bidders may fax their written request to the Washington County Purchasing Office at 724-250-6555. A non-refundable fee of \$75.00 will be charged for a complete package of plans and specifications (hard copy) with all checks made payable to the Washington County Commissioners for each set obtained at the Washington County Purchasing Office, 100 West Beau Street, Suite 402, Washington, PA 15301. Bid packages (hard copy) will be mailed for an additional non-refundable fee of \$20.00. Plans, Specifications.

INTERPRETATION OF CONTRACT DOCUMENTS:

- If a potential Bidder is uncertain as to the meaning of any part of the specifications or the information to bidders, the bidder is expected to contact the Purchasing Department no less than ten (10) days prior to bid opening date.
- Any questions regarding the contract documents should be faxed to Randy Vankirk, Director of Purchasing, at 1-724-250-6555. Questions may be emailed to Toni Snyder at snyderto@co.washington.pa.us

INSTRUCTION TO BIDDERS:

- All the bids to be submitted as ONE ORIGINAL & FOUR COPIES according to the specifications and upon a uniform proposal blank.
- Bids must be accompanied by cash, certified check, cashier's check, bank good faith check, or other irrevocable letter of credit or bid bond in the amount of 10% of the total amount of bid and made payable to the order of the Washington County Commissioners. Only the Bid Securities listed will be accepted.
- Wages as predetermined by the PA State Bureau of Labor and in effect at the time of the Bid Opening shall be used by the CONTRACTOR in paying labor in connection with this Contract.
- The Washington County Commissioners reserve the right to reject any or all bid proposals.
- SEALED BID ENVELOPE MUST BE MARKED:
BID: Acquire Private Hangar (Rehab, ABC Hangar and Apron)
CONTRACT NO. 022818-Hangar

AGREEMENT:

- Provided in the Project Manual and would be returned to the Contractor if the Bid were successful and then would be executed as such. At that time, the Bid Bond would be returned to the Contractor and the Owner will execute Performance, Payment and Maintenance Bonds to the Contractor. The Maintenance Bonds are good for one (1) year after the final acceptance.
- Contractors are required to provide all Subcontractor Agreements to the Engineer with the Prime Contractors Agreement.

GENERAL PROVISIONS:

- Under Section 7, Definition of Major Item: Any item that is greater than 20% of the total amount of the Bid. If any item falling into that category is altered by an amount of 25% then the Owner and Contractor can negotiate a new unit price. At this time, no items are being labeled as such an item.
- If there is an Addendum to the proposal, it must be noted as received on the Bid Proposal.
- The Performance Bonds and Payment Bonds are to be in the amount of 100% of the contract value. The Maintenance Bond is to be in the amount of 10% of the contract value.
- Under Section 50, it is the responsibility of the Contractor to stake out all areas and limits of the project.
- Safety is of the utmost concern and constant correspondence between the Contractor, RPR and Airport Executive Director must be coordinated so that Airmen are aware of the work at the Airport.
- Dust is to be kept at a minimum and is a concern with respect to visibility, aircraft maintenance, and environmental impact.
- It is required that the Contractor keep a record set of drawings and that the Contractor keeps this up to date with the work as it takes place at the Airport.
- Division 9 Supplementary Conditions – After the execution of the contract and before beginning actual construction there would be a Pre-Construction meeting to discuss the project further and go over the schedule, Aviation safety, any all special permitting and conditions that pertain to the project.

UTILITIES

- The Contractor is required to place a PA-One Call for the project and provide documentation to the Engineer.
- Contractors are responsible for avoiding all utilities. Contractor shall repair/replace utilities if damaged. Affected utilities must be notified and repaired immediately.
- Contractor is to repair damage to any existing pavement sections as necessary. L.R. Kimball strongly suggests videotaping the haul routes prior to construction.

CONSTRUCTION

- Contractor is responsible for construction layout.

- Contractor shall submit Catalog Cuts on all materials to Engineer.
- Items that increase or decrease by less than 25% can be approved by a change order with proper justification and approval before work begins.
- Time extensions must be justified and shutdowns for weather will be allowed with proper stop order – start order.
- Job conferences will be held to discuss the progress of work and any issues that may need to be addressed.
- A Quality Control Program is required for the project. The requirements are in Division 7, Section 100.
- Pay quantities shall be measured field quantities.
- All work must be in accordance with plans and specifications.
- Pay request shall be submitted to Kimball monthly.
- Certified Payrolls shall be submitted to Kimball weekly. Payrolls are required for the prime contractor and all subcontractors.
- Project Bulletin Board – Post immediately including wage rates, wage rate posters, and EEO policies. The bulletin board shall be a weatherproof enclosure.
- Contractor shall maintain as-built drawings that shall be provided to the Engineer at completion of the project. Retainage will not be released until the as-built drawings are received.

PROJECT COORDINATION AND PHASING

- An on-site job trailer for the Engineer is **not** required.
- Contractor must provide Project Manager and Field Superintendent.
- Airport Operations Manager will issue all NOTAM's in coordination with L. R. Kimball Project Representative and the Contractor. The Contractor is required to provide 72 hours advanced notice of for closing all other areas or working in the Air Operations Area (AOA).

GENERAL CONSTRUCTION PHASING NOTES:

- G1. The intent of the Construction Safety Phasing Plan is to “Rehabilitate ABC Hangar and Apron” at the Washington County Airport while minimizing the disruption to Airport Operations.
- G2. The Contractor shall strictly conform to FAA Advisory Circular 150/5370-2, latest edition, entitled “Operational Safety on Airports During Construction”. This AC is provided in the project manual. It is the responsibility of the Contractor to brief all of the Contractor's employees and subcontractors on the FAA operating, safety and security requirements.
- G3. Prior to closing any portion of the Airport, the Contractor shall notify the Engineer and the Airport Executive Director three (3) days in advance so the proper Notice to Airmen (NOTAM's) can be issued.
- G4. Prior to completing work in an occupied space of the Hangar and/or office the Contractor shall notify the Engineer and the Airport Executive Director seven (7) days in advance so proper coordination and communication can occur to remove items within the work area.
- G5. For each closed portion of the Washington County Airport, the Contractor shall provide a sufficient number of low profile/bucket barricades and place them around the perimeter of the pavement work areas as shown to maintain separation between aircraft, construction workers, and construction vehicles.
- G6. Pavement area must be swept clean at the end of each day and prior to reopening a section of pavement.
- G7. Lights and guidance signs associated with a closed portion of a taxiway shall be disabled or covered while that portion of the Taxiway is closed.
- G8. When pavement areas, including taxiways and aprons, are reopened at the end of each day, the pavement and related Taxiway Safety Area (TSA's) must be capable of supporting aircraft without causing structural damage to aircraft or injury to their occupants. Therefore, before any pavement is reopened, all pavement repairs and their related Safety Area must

be backfilled, re-graded, and compacted so there are no trenches or holes or grades exceeding 5% respectively. Any temporary backfill and re-grading effort shall be incidental to the construction operations.

- G9. If there are any changes to this Construction Phasing Plan, they must be approved in writing by the Engineer and the Airport Executive Director prior to implementation.

OTHER SAFETY AND SECURITY NOTES:

- S1. During all construction Phases, especially during frequent hauling or equipment movement operations, it will be the Contractor's responsibility to ensure that only authorized construction personnel and vehicles have access to the Air Operational Areas (AOA's).
- S2. The Airport Unicom frequency is 122.975 MHz. The Contractor should monitor the Unicom frequency (at all times) when working on the air operations area of the airport.
- S3. All vehicles and equipment shall be properly marked with flags and/or flashing amber lights during daytime construction, and flashing amber lights for nighttime construction, as specified in Division 9 of the Project Manual. See Drawing AP-04 for Aviation Flag Detail.

DETAILED PHASING NOTES

To reduce the amount of time that any portion of the Airport is closed, contract time will be kept to a minimum. Therefore, it is recommended that the Contractor use a sufficient amount of work force to complete the project to meet this schedule as outlined in the following Detailed Phasing Plan. This project has been separated into two phases which are inside the buildings (Phase 1) and outside of the buildings (Phase 2). The one exception to the phasing is that the rehabilitation of the exterior steps is included with Phase 1. Also, the work outside the buildings (Phase 2) has been split into two separate phases. They include:

BID ELEMENT	WORK AREA / PROJECT NAME	PHASE AREA	CONTRACT TIME
Base Bid	Rehabilitate ABC Hangar and Office	PHASE 1	50 Calendar Days
Base Bid	Joint Seal, Crack Seal, Rejuvenate and Remark Apron and Parking Area	PHASE 2A	5 Calendar Days
Base Bid	Joint Seal, Crack Seal, and Reseal Concrete Apron and Sidewalks	PHASE 2B	5 Calendar Days
	Total Project Calendar Days		60 Calendar Days

- The number of Calendar Days associated with each bid element is identified. Each Work Area / Project Name will be discussed below.
- Work can be completed on more than one (1) Bid Element at a time with approval from the Airport and Engineer with close coordination with the existing tenants. However, we want to reduce the number of work areas closed at one time.
- Total contract time for this project is estimated at 60 calendar days.
- If there are any changes to this Construction Safety Phasing Plan, they must be approved by the Engineer and the Airport Executive Director prior to implementation.

BASE BID – “REHABILITATE ABC HANGAR AND OFFICE”

The rehabilitation of the existing Hangar and office space will include the following components:

- Replace existing overhead lights in the Hangar and add switches.
- Crackseal and epoxy coat the existing concrete floor of the Hangar
- Replace carpet in Pilot Lounge
- **Replace carpet in all downstairs offices.**
- Replace flooring in the mechanics private office, Kitchenette, and Vestibule
- New carpet in second floor **office** area
- New paint on all walls on first and second floor
- Repair roof leaks
- **Remove/Replace Exterior Man Doors and Frames**
- Rehab Exterior Steps

- P1. The Phase 1 work area is shown on drawing AP-03.
- P2. The contract time for this phase is 50 Calendar Days, however all work within existing occupied areas must be kept to a minimum. There is an office area on the second floor of the office building which has existing tenants. However, this area will only be painted. Also, the existing Hangar has aircraft and equipment that will need to be temporarily relocated for the project. As soon as the work is complete in existing occupied areas, they should be reopened for reuse.
- P3. Close coordination will need to be completed between the Contractor, Engineer, and Airport for work within the occupied space of the Hangar and office so the existing tenants are aware of the schedule and duration of work.
- P4. When each work space is complete within Phase 1, all construction debris shall be removed from the space so it's ready for occupancy.

BASE BID – “JOINT SEAL, CRACK SEAL, REJUVENATE AND REMARK APRON AND PARKING AREA”

Work on Apron and Parking Area will mainly consist of filling cracks of various widths, rejuvenating and sealing joints. This project is separated into two smaller phases of work for this project. See Construction Safety Phasing Plan (AP-03). Project Phasing, as proposed, is necessary to provide proper separation between aircraft and construction equipment.

- P1. The Phase 2A work area is shown on drawing AP-03. Place all Bucket Barricades as shown.
- P2. Contract time (5 Calendar Days) for this phase area has been kept to a minimum reduce the closure time for the apron. As soon as work is completed it should be reopened for aircraft traffic.
- P3. When Phase 2A is complete, the pavement must be swept as necessary, and all barricades shall be removed. These areas shall then be reopened to aircraft traffic.

BASE BID – “JOINT SEAL, CRACK SEAL, AND RESEAL CONCRETE APRON AND SIDEWALKS”

Work on Concrete Apron and sidewalks will mainly consist of joint cleaning and sealing, filling cracks of various widths, and resealing the existing concrete. See Construction Safety Phasing Plan (AP-03). Project Phasing, as proposed, is necessary to provide proper separation between aircraft, tenants, and construction equipment.

- P1. The Phase 2B work area is shown on drawing AP-03. Place all Bucket Barricades as shown. Also, traffic cones or nonmetallic drums should be installed around the sidewalks after they are sealed so no one walks on them while they are curing.
- P2. Contract time (5 Calendar Days) for this phase area has been kept to a minimum to try and reduce the closure time for the apron. As soon as the work is complete either on the apron and/or sidewalks, they should be opened for use.
- P3. Coordination will need to occur with the existing tenants on the schedule of the project therefore communication between the Contractor, Engineer, and Airport is vital.
- P4. When Phase 2B is complete, the concrete shall be swept as necessary, and all barricades shall be removed. These areas shall then be reopened.

DEFINITIONS

Air Operations Area (AOA) - Any area of the airport used or intended to be used for the landing, takeoff, or surface maneuvering of aircraft. An air operations area includes such paved or unpaved areas that are used or intended to be used for the unobstructed movement of aircraft in addition to its associated runways, taxiways, or aprons.

MISCELLANEOUS ITEMS:

- PA State Wage Rates (Division 1 of the Project Manual) must be followed.
- CONTRACTOR is not required to provide a job office for his/her own use however, drawings, specifications, correspondence, etc., and other appurtenances necessary for the proper operation of the work shall be present at the site at all times.
- During construction work, a part-time Resident Project Representative (RPR from L.R. Kimball) will be on-site.

QUESTIONS:

Q1. What is the project budget?

A1. *The project budget is approximately \$250,000.00*

Q2. Are cores required for the rejuvenator?

A2. *Yes, per the P-632 specification, cores are required.*

Q3. Do you have an application rate for the rejuvenator?

A3. *We do not have an application rate specified, the specification states per manufactures recommendation. However, we could forward over the application rate of rejuvenator used for the last project from adjacent pavement.*

Q4. Has the drawing been submitted to the local municipality for the building permit?

A4. *No, drawings have not been submitted to date. The drawings will be submitted by L.R. Kimball to South Franklin Township's Engineer for their review and approval. However, once the project is awarded, the Contractor will need to obtain the building permit.*

Q5. Is there a summary sheet for the acoustical roof tiles? And do the lights get replaced or reused?

A5. *There is no ceiling work. All existing acoustical ceiling tiles are to remain.*

Q6. How many doors and frames are being replaced? The quantity sheet does not match the schedule on the plans.

A6. *Refer to Addendum #1 for the number of doors and frames to be replaced, quantities have been updated.*

Q7. What rooms are the carpets getting cleaned?

A7. *Carpet cleaning is not part of the scope of work. The carpet will either remain with no work or be replaced as noted on the finish schedule.*

Q8. Is there line painting required for the asphalt rejuvenation areas?

A8. There is no line painting required.

Q9. Who is responsible for the builders risk insurance since there are existing tenants in the building?

A9. We will check with the Owner and provide a response in an addendum.

Q10. Can we utilize the airports facilities for a bathroom and electric?

A10. Yes, the airport's facilities can be utilized for the project.

Q11. What is the scope of work for the exterior steps?

A11. Prep and paint exterior stairs including all guards and handrails. Refer to specification section 099113 for exterior painting.

Q12. Do you have a preferred product for rejuvenation?

A12. No, just so the product meets the specification.

Q13. Does the Airport have bucket barricades or low-profile barricades that the Contractor can use?

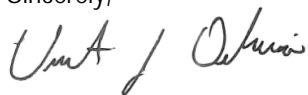
A13. Yes, the Airport has approximately 70 liner feet that the Contractor can use. All other barricades required for the project shall be provided by the Contractor.

Q14. What emergency backup is required for the lights, there is a note on the drawings?

A14. We will check with our Electrical Engineer and provide a response in the addendum.

These minutes are the writer's interpretation of the meeting. Should you have any comments regarding any of the items please contact me within ten (10) calendar days of the date of these minutes. If no comments are received by this time, it will be considered that all attendees are in agreement.

Sincerely,



Vince J. DeCario, PE
Aviation Services

VJD/vjd

XC: All Attendees



“ACQUIRE PRIVATE HANGAR (REHABILITATE ABC HANGAR AND APRON)”

FEBRUARY 12, 2018 AT 10:00AM IN THE AIRPORT TERMINAL BUILDING CONFERENCE ROOM

SIGN IN SHEET FOR THE PRE-BID MEETING

WASHINGTON COUNTY AIRPORT

NAME	ORGANIZATION	TELEPHONE	FAX NO.	EMAIL ADDRESS	INITIALS
Vince DeCarlo	L. R. Kimball	814-419-7904	814-472-7712	Vince.decarlo@cdicorp.com	

Dan's Fleeman	Fleeman Contracting LLC	724 746 1068	724 746 1833	DFC.BUILDING@RSC.COM	
Steve Mann	MANN LOUST INC	412-731-9338	412-731-6070	MANU@CONSTRUCTIONCOMCAST.NET	
Sam Bracey	MACEBRACEY CORP	724-229-0119	724-225-1180	Sam@MACEBRACEY.COM	
Daniel Braer	Hilltop Paving	(412) 999-9473	(412) 221-8008	hilltoppaving@verizon.net	
Matt Restelli	Shorwin-Williams	724 553-1049		matt@shorwinwilliams.com	
Rob Saitz	Digital Coaster	412 233-5504	412 233-9496	rob@digitalcoasterconstruction.com	
BOB GRIFFIN	RACW	724.228.6875	724.228.6829	bob.griffin@racw.net	
Phil Salsicani	Seaway Contractors & Inc	412-855-3444	412-257-0252	PHIL@SEAWAYCONTRACTING.COM	
Randy Mierman	FOUND CONSTRUCTION	412-820-2800	412-820-2808	EMILY@FOUND.CONSTRUCTION.COM	
Andrew Kardish	LR Kimball	814-912-7700		AKARDISH@ANDREW.KARDISH@CDICORP.COM	
Sam Curtis	ARCADIA CONSTRUCTION	412-429-5980	417-429-5980	ARCADIA2@VIZIUM.COM	
Rob Wilson	SCHULTZ BUREAU	724 350	4799	ROB@SCHULTZBUREAU.NET	
Mike Toole	Allegheny Installations	412 781 7570	412 781 8550	MTE@ALLEGHENYINSTALLATIONS.COM	

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project Name:	Acquire Private Hangar (Rehabilitate ABC Hangar and Apron)
Awarding Agency:	Redevelopment Authority of Washington County
Contract Award Date:	3/16/2018
Serial Number:	18-00431
Project Classification:	Building
Determination Date:	1/19/2018
Assigned Field Office:	Pittsburgh
Field Office Phone Number:	(412)565-5300
Toll Free Phone Number:	(877)504-8354
Project County:	Washington County

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 18-00431 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Asbestos & Insulation Workers	8/1/2016		\$36.18	\$23.73	\$59.91
Boilermakers	6/1/2016		\$40.90	\$27.61	\$68.51
Bricklayer (Stone Mason)	12/1/2017		\$31.53	\$21.44	\$52.97
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2017		\$33.01	\$16.63	\$49.64
Cement Masons	6/1/2021		\$34.27	\$19.39	\$53.66
Cement Masons	6/1/2018		\$30.27	\$18.99	\$49.26
Cement Masons	6/1/2017		\$29.52	\$18.39	\$47.91
Cement Masons	6/1/2020		\$32.77	\$19.39	\$52.16
Cement Masons	6/1/2019		\$31.27	\$19.39	\$50.66
Drywall Finisher	6/1/2017		\$27.80	\$19.14	\$46.94
Drywall Finisher	6/1/2018		\$28.10	\$19.99	\$48.09
Electric Lineman	5/30/2016		\$44.78	\$22.82	\$67.60
Electricians & Telecommunications Installation Technician	12/23/2017		\$39.76	\$26.44	\$66.20
Electricians & Telecommunications Installation Technician	12/22/2019		\$44.46	\$26.44	\$70.90
Electricians & Telecommunications Installation Technician	12/22/2018		\$41.74	\$26.44	\$68.18
Elevator Constructor	1/1/2016		\$44.80	\$30.29	\$75.09
Glazier	9/1/2017		\$28.00	\$22.60	\$50.60
Glazier	9/1/2018		\$28.62	\$23.23	\$51.85
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	6/1/2017		\$33.54	\$30.24	\$63.78
Laborers (Class 01 - See notes)	1/1/2021		\$27.47	\$14.67	\$42.14
Laborers (Class 01 - See notes)	1/1/2018		\$22.32	\$16.67	\$38.99
Laborers (Class 01 - See notes)	1/1/2019		\$25.37	\$14.67	\$40.04
Laborers (Class 01 - See notes)	1/1/2020		\$26.42	\$14.67	\$41.09
Laborers (Class 02 - See notes)	1/1/2018		\$22.47	\$16.67	\$39.14
Laborers (Class 02 - See notes)	1/1/2021		\$27.62	\$14.67	\$42.29
Laborers (Class 02 - See notes)	1/1/2020		\$26.57	\$14.67	\$41.24
Laborers (Class 02 - See notes)	1/1/2019		\$25.52	\$14.67	\$40.19
Laborers (Class 03 - See notes)	1/1/2019		\$25.65	\$14.67	\$40.32
Laborers (Class 03 - See notes)	1/1/2020		\$26.70	\$14.67	\$41.37
Laborers (Class 03 - See notes)	1/1/2021		\$27.75	\$14.67	\$42.42
Laborers (Class 03 - See notes)	1/1/2018		\$22.60	\$16.67	\$39.27
Laborers (Class 04 - See notes)	1/1/2020		\$27.17	\$14.67	\$41.84
Laborers (Class 04 - See notes)	1/1/2021		\$28.22	\$14.67	\$42.89
Laborers (Class 04 - See notes)	1/1/2019		\$26.12	\$14.67	\$40.79
Laborers (Class 04 - See notes)	1/1/2018		\$23.07	\$16.67	\$39.74
Landscape Laborer	1/1/2018		\$20.59	\$15.31	\$35.90
Landscape Laborer (Skilled)	1/1/2018		\$21.01	\$15.31	\$36.32
Landscape Laborer (Tractor Operator)	1/1/2018		\$21.31	\$15.31	\$36.62
Millwright	6/1/2017		\$39.83	\$18.57	\$58.40
Operators (Class 01 - see notes)	6/1/2020		\$36.39	\$22.55	\$58.94
Operators (Class 01 - see notes)	6/1/2019		\$35.69	\$21.75	\$57.44

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 18-00431 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators (Class 01 - see notes)	6/1/2021		\$37.09	\$23.35	\$60.44
Operators (Class 01 - see notes)	6/12/2017		\$34.49	\$20.15	\$54.64
Operators (Class 01 - see notes)	6/1/2018		\$35.09	\$20.95	\$56.04
Operators (Class 02 -see notes)	6/1/2021		\$31.02	\$23.35	\$54.37
Operators (Class 02 -see notes)	6/1/2020		\$30.62	\$22.55	\$53.17
Operators (Class 02 -see notes)	6/12/2017		\$29.58	\$20.15	\$49.73
Operators (Class 02 -see notes)	6/1/2019		\$30.22	\$21.75	\$51.97
Operators (Class 02 -see notes)	6/1/2018		\$29.90	\$20.95	\$50.85
Operators (Class 03 - See notes)	6/1/2018		\$28.46	\$20.95	\$49.41
Operators (Class 03 - See notes)	6/12/2017		\$28.25	\$20.15	\$48.40
Operators (Class 03 - See notes)	6/1/2020		\$28.95	\$22.55	\$51.50
Operators (Class 03 - See notes)	6/1/2019		\$28.67	\$21.75	\$50.42
Operators (Class 03 - See notes)	6/1/2021		\$29.23	\$23.35	\$52.58
Painters Class 6 (see notes)	6/1/2018		\$28.00	\$19.36	\$47.36
Painters Class 6 (see notes)	6/1/2017		\$27.50	\$18.66	\$46.16
Painters Class 6 (see notes)	6/1/2019		\$28.50	\$20.06	\$48.56
Pile Driver Divers (Building, Heavy, Highway)	1/1/2018		\$50.33	\$18.55	\$68.88
Pile Driver Divers (Building, Heavy, Highway)	1/1/2019		\$51.45	\$19.30	\$70.75
Piledrivers	1/1/2018		\$33.55	\$18.55	\$52.10
Piledrivers	1/1/2019		\$34.30	\$19.30	\$53.60
Plasterers	6/1/2017		\$28.79	\$15.79	\$44.58
Plumbers	6/1/2017		\$39.20	\$21.27	\$60.47
Pointers, Caulkers, Cleaners	12/1/2016		\$29.27	\$18.34	\$47.61
Pointers, Caulkers, Cleaners	12/1/2017		\$29.88	\$18.73	\$48.61
Roofers	6/1/2020		\$36.08	\$13.84	\$49.92
Roofers	6/1/2017		\$31.00	\$15.17	\$46.17
Roofers	6/1/2018		\$33.58	\$13.84	\$47.42
Roofers	6/1/2019		\$34.83	\$13.84	\$48.67
Sheet Metal Workers	7/1/2018		\$34.72	\$27.83	\$62.55
Sheet Metal Workers	7/1/2017		\$33.70	\$27.74	\$61.44
Sprinklerfitters	4/1/2017		\$37.40	\$21.74	\$59.14
Sprinklerfitters	4/1/2018		\$38.80	\$22.74	\$61.54
Steamfitters	6/1/2017		\$41.71	\$19.01	\$60.72
Stone Masons	12/1/2016		\$32.24	\$20.53	\$52.77
Terrazzo Finisher	12/1/2016		\$30.53	\$15.40	\$45.93
Terrazzo Finisher	12/1/2017		\$31.08	\$15.85	\$46.93
Terrazzo Mechanics	12/1/2017		\$30.57	\$17.91	\$48.48
Terrazzo Mechanics	12/1/2016		\$30.18	\$17.30	\$47.48
Tile Finisher	12/1/2017		\$25.16	\$14.90	\$40.06
Tile Finisher	12/1/2016		\$24.59	\$14.38	\$38.97
Tile Setter	12/1/2016		\$30.27	\$18.51	\$48.78
Tile Setter	12/1/2017		\$30.75	\$19.05	\$49.80
Truckdriver class 1(see notes)	1/1/2016		\$27.62	\$16.60	\$44.22
Truckdriver class 2 (see notes)	1/1/2016		\$27.75	\$16.69	\$44.44

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 18-00431 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Truckdriver class 3 (see notes)	1/1/2016		\$28.23	\$16.98	\$45.21

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 18-00431 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Carpenter Welder	1/1/2017		\$33.35	\$17.14	\$50.49
Carpenter Welder	1/1/2019		\$34.97	\$18.42	\$53.39
Carpenter Welder	1/1/2018		\$34.12	\$17.77	\$51.89
Carpenters	1/1/2019		\$34.02	\$18.42	\$52.44
Carpenters	1/1/2018		\$33.17	\$17.77	\$50.94
Carpenters	1/1/2017		\$32.40	\$17.14	\$49.54
Cement Finishers	1/1/2019		\$31.94	\$20.50	\$52.44
Cement Finishers	1/1/2017		\$30.14	\$19.40	\$49.54
Cement Finishers	1/1/2018		\$31.04	\$19.90	\$50.94
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	6/1/2016		\$33.18	\$29.13	\$62.31
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	6/1/2017		\$33.54	\$30.24	\$63.78
Laborers (Class 01 - See notes)	1/1/2018		\$24.85	\$22.35	\$47.20
Laborers (Class 01 - See notes)	1/1/2019		\$24.85	\$23.85	\$48.70
Laborers (Class 01 - See notes)	1/1/2017		\$24.85	\$20.95	\$45.80
Laborers (Class 02 - See notes)	1/1/2017		\$25.01	\$20.95	\$45.96
Laborers (Class 02 - See notes)	1/1/2019		\$25.01	\$23.85	\$48.86
Laborers (Class 02 - See notes)	1/1/2018		\$25.01	\$22.35	\$47.36
Laborers (Class 03 - See notes)	1/1/2017		\$25.40	\$20.95	\$46.35
Laborers (Class 03 - See notes)	1/1/2018		\$25.40	\$22.35	\$47.75
Laborers (Class 03 - See notes)	1/1/2019		\$25.40	\$23.85	\$49.25
Laborers (Class 04 - See notes)	1/1/2019		\$25.85	\$23.85	\$49.70
Laborers (Class 04 - See notes)	1/1/2017		\$25.85	\$20.95	\$46.80
Laborers (Class 04 - See notes)	1/1/2018		\$25.85	\$22.35	\$48.20
Laborers (Class 05 - See notes)	1/1/2019		\$26.26	\$23.85	\$50.11
Laborers (Class 05 - See notes)	1/1/2018		\$26.26	\$22.35	\$48.61
Laborers (Class 05 - See notes)	1/1/2017		\$26.26	\$20.95	\$47.21
Laborers (Class 06 - See notes)	1/1/2019		\$23.10	\$23.85	\$46.95
Laborers (Class 06 - See notes)	1/1/2018		\$23.10	\$22.35	\$45.45
Laborers (Class 06 - See notes)	1/1/2017		\$23.10	\$20.95	\$44.05
Laborers (Class 07 - See notes)	1/1/2018		\$25.85	\$22.35	\$48.20
Laborers (Class 07 - See notes)	1/1/2017		\$25.85	\$20.95	\$46.80
Laborers (Class 07 - See notes)	1/1/2019		\$25.85	\$23.85	\$49.70
Laborers (Class 08 - See notes)	1/1/2019		\$27.35	\$23.85	\$51.20
Laborers (Class 08 - See notes)	1/1/2018		\$27.35	\$22.35	\$49.70
Laborers (Class 08 - See notes)	1/1/2017		\$27.35	\$20.95	\$48.30
Operators (Class 01 - see notes)	1/1/2017		\$30.69	\$19.98	\$50.67
Operators (Class 01 - see notes)	1/1/2019		\$31.89	\$21.68	\$53.57
Operators (Class 01 - see notes)	1/1/2018		\$31.29	\$20.78	\$52.07
Operators (Class 02 -see notes)	1/1/2019		\$31.63	\$21.68	\$53.31
Operators (Class 02 -see notes)	1/1/2018		\$31.03	\$20.78	\$51.81
Operators (Class 02 -see notes)	1/1/2017		\$30.43	\$19.98	\$50.41
Operators (Class 03 - See notes)	1/1/2018		\$27.38	\$20.78	\$48.16
Operators (Class 03 - See notes)	1/1/2017		\$26.78	\$19.98	\$46.76

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 18-00431 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators (Class 03 - See notes)	1/1/2019		\$27.98	\$21.68	\$49.66
Operators (Class 04 - See notes)	1/1/2019		\$27.52	\$21.68	\$49.20
Operators (Class 04 - See notes)	1/1/2018		\$26.92	\$20.78	\$47.70
Operators (Class 04 - See notes)	1/1/2017		\$26.32	\$19.98	\$46.30
Operators (Class 05 - See notes)	1/1/2019		\$27.27	\$21.68	\$48.95
Operators (Class 05 - See notes)	1/1/2018		\$26.67	\$20.78	\$47.45
Operators (Class 05 - See notes)	1/1/2017		\$26.07	\$19.98	\$46.05
Painters Class 1 (see notes)	6/1/2016		\$31.58	\$17.58	\$49.16
Painters Class 1 (see notes)	6/1/2019		\$33.15	\$20.06	\$53.21
Painters Class 1 (see notes)	6/1/2017		\$31.98	\$18.43	\$50.41
Painters Class 1 (see notes)	6/1/2018		\$32.50	\$19.36	\$51.86
Painters Class 1 (see notes)	6/1/2017		\$31.85	\$18.66	\$50.51
Painters Class 2 (see notes)	6/1/2017		\$33.95	\$18.66	\$52.61
Painters Class 2 (see notes)	6/1/2018		\$34.60	\$19.36	\$53.96
Painters Class 2 (see notes)	6/1/2017		\$34.08	\$18.43	\$52.51
Painters Class 2 (see notes)	6/1/2019		\$35.25	\$20.06	\$55.31
Painters Class 2 (see notes)	6/1/2016		\$31.58	\$17.58	\$49.16
Painters Class 3 (see notes)	6/1/2019		\$35.25	\$20.06	\$55.31
Painters Class 3 (see notes)	6/1/2018		\$34.60	\$19.36	\$53.96
Painters Class 3 (see notes)	6/1/2016		\$33.68	\$17.58	\$51.26
Painters Class 3 (see notes)	6/1/2017		\$27.58	\$18.48	\$46.06
Painters Class 3 (see notes)	6/1/2017		\$33.95	\$18.66	\$52.61
Painters Class 4 (see notes)	6/1/2017		\$27.16	\$18.66	\$45.82
Painters Class 4 (see notes)	6/1/2017		\$27.27	\$18.43	\$45.70
Painters Class 4 (see notes)	6/1/2019		\$28.20	\$20.06	\$48.26
Painters Class 4 (see notes)	6/1/2016		\$26.95	\$17.58	\$44.53
Painters Class 4 (see notes)	6/1/2018		\$27.68	\$19.36	\$47.04
Painters Class 5 (see notes)	6/1/2016		\$21.90	\$17.58	\$39.48
Painters Class 5 (see notes)	6/1/2019		\$22.91	\$20.06	\$42.97
Painters Class 5 (see notes)	6/1/2018		\$22.49	\$19.36	\$41.85
Painters Class 5 (see notes)	6/1/2017		\$22.07	\$18.66	\$40.73
Painters Class 5 (see notes)	6/1/2017		\$22.16	\$18.43	\$40.59
Pile Driver Divers (Building, Heavy, Highway)	1/1/2018		\$50.33	\$18.55	\$68.88
Pile Driver Divers (Building, Heavy, Highway)	1/1/2019		\$51.45	\$19.30	\$70.75
Pile Driver Divers (Building, Heavy, Highway)	1/1/2017		\$49.13	\$17.95	\$67.08
Piledrivers	1/1/2018		\$33.55	\$18.55	\$52.10
Piledrivers	1/1/2017		\$32.75	\$17.95	\$50.70
Piledrivers	1/1/2019		\$34.30	\$19.30	\$53.60
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2017		\$40.98	\$32.53	\$73.51
Truckdriver class 1(see notes)	1/1/2019		\$28.99	\$19.43	\$48.42
Truckdriver class 1(see notes)	1/1/2017		\$28.10	\$17.42	\$45.52
Truckdriver class 1(see notes)	1/1/2018		\$28.52	\$18.40	\$46.92
Truckdriver class 2 (see notes)	1/1/2019		\$29.13	\$19.51	\$48.64
Truckdriver class 2 (see notes)	1/1/2017		\$28.24	\$17.50	\$45.74

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 18-00431 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Truckdriver class 2 (see notes)	1/1/2018		\$28.66	\$18.48	\$47.14
Truckdriver class 3 (see notes)	1/1/2019		\$29.59	\$19.82	\$49.41
Truckdriver class 3 (see notes)	1/1/2018		\$29.13	\$18.78	\$47.91
Truckdriver class 3 (see notes)	1/1/2017		\$28.71	\$17.80	\$46.51

Washington County Airport
 Acquire Private Hangar (Rehabilitate ABC Hangar and Apron)
 Contract Number: 022818 - HANGAR
 BASE BID - CONTINUED
 CONTRACTOR:

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE WRITTEN	UNIT PRICE FIGURES	AMOUNT
S-100-2.2	Mobilization/Demobilization	LS	1			
099123-4.1	Interior Painting	SF	14,600			
096813-4.1	Carpet	SF	1,700			
096500-4.1	Resilent Flooring - Vinyl Tile	SF	500			
096500-4.2	Rubber Base	LF	620			
096700-4.1	Epoxy Flooring	SF	13,900			
R-100-4.1	Roofing Repair	LS	1			
099113-4.1	Exterior Painting Stair	LS	1			
265100-4.1	Electrical Upgrades	LS	1			
081113-4.1	Hollow Metal Doors and Frames	EA	5			
087100-4.1	Door Hardware Only	Sets	7			
				TOTAL BASE BID		

SECTION 5501 PROTECTIVE COATING FOR CEMENT CONCRETE PAVEMENT

5501-1.1 DESCRIPTION. This work is the application of a penetrating concrete sealer to concrete surfaces.

5501-2.1 MATERIAL.

a. Coating for Non-Fuel Areas

A non-epoxy resin, non-solvent material meeting or exceeding the below-listed laboratory testing criteria based on application of sealer in accordance with the manufacturer's recommended rate of coverage. Submit verifiable data with literature, on the product proposed for use. Provide a penetrating concrete sealer that is compatible with surface finish coatings and caulking and that will not stain, discolor, or darken concrete, alter the surface texture or form a coating on the concrete surface. Do not provide any material rated poorly as to concrete durability in NCHRP Report 257, Long Term Rehabilitation of Salt Contaminated Concrete Surfaces.

b. Coating for Fuel Containment Areas

Must be Benjamin Moore "Superspec Polyamide Epoxy" & Fast Dry Sealer or approved equal. Epoxy and Sealant shall be applied as per the mfg written procedural instructions as follows:

- First Coat = Corotech V15600_005 "A" Component Quick Set Epoxy Sealer & Corotech V15690_001 "B" Component Catalyst (Total Yield Once Combined = 5 gallon)
- Second Coat = Corotech V400XX_001 "A" Component Polyamide Epoxy & Corotech V40091_001 "B" Semi Gloss Component
- Third Coat = Corotech V400XX_001 "A" Component Polyamide Epoxy & Corotech V40091_001 "B" Semi Gloss Component.

c. Testing Treated Concrete Specimens.

- a. Chloride Ion Penetration - To provide after abrading off .125 inches of treated concrete surfaces prior to salt water ponding:

TEST	DURATION	AVERAGE ABSORBED C1	METHOD
Salt Water Ponding (Based abraded specimens)	90 Days	2.50lb. per cu. yd. Depth: 1/16" (1.6 mm) to 1/2" (13 mm)	AASHTO T-259-78 AASHTO T-260
		0.04lb. per cu. yd. Depth: 1/2" (13 mm) To 1.0" (25 mm).	AASHTO T-259-78 AASHTO T-260

- a. Absorption – Surface Absorption. To provide 70% reduction (minimum).

2.a. After abrading off 1/32" (1 mm) of treated concrete surface: 40% reduction (minimum).

2.b. After abrading off 1/16" (2 mm) of treated concrete surface: 42% reduction (minimum).

b. Freeze-Thaw Resistance

3.a. ASTM C-672, 50 cycles completed: no scale, no weight loss.

3.b. Rapid freeze-thaw/salt (shock freezing) resistance.
 METHOD: (Each Cycle)

Freeze: -68° F (-20° C) CaCl₂ solution at 32 minutes.
 Thaw: +68° F (+20° C) H₂O solution at 16 minutes.

	Scale Rating Untreated	Scale Rating Treated
25 Cycles:	0+	0
100 Cycles:	0+	0+
200 Cycles:	1	0+
400 Cycles:	2	1-

- a. Depth of Penetration – Provide a minimum depth of penetration of 0.18 inches.
- b. Vapor Permeability – Have treated concrete retain its vapor permeability.
- c. Vapor Emissions – Have treated concrete reduce vapor emissions a minimum 30%, effectively retarding migration and corrosion potential of the chlorides already contained in the treated concrete structure.

d. Packaging and Marking.

Furnish and deliver to site in factory sealed, unopened container. Have each container marked with the name of the manufacturer, the lot or batch number, the date of packaging and the quantity in pounds and gallons. Reject containers not in compliance with the above.

e. Certification.

- a. Submit a manufacturer's certificate accompanied by a copy of independent laboratory's dated test report for each lot and/or shipment of material certifying that the material conforms to the same formula and is essentially the same material as that tested and accepted for certification.
- b. Include the manufacturer's rate of coverage for the treatment solution as approved for use under this Specification with certification submittals.

5501-3.1 CONSTRUCTION.

a. Surface Preparation.

Thoroughly clean the surface dust, dirt, oil, wax, curing compounds, efflorescence, coatings, and other foreign materials. Use chemicals and other cleaning compounds to facilitate the removal of these foreign materials ONLY when approved by the manufacturer or its representatives before use.

Do not cause damage to the concrete surface or alter the existing surface finish during the cleaning process.

Fit cleaning equipment with suitable traps, filters, drip pans and other devices to prevent oil and other foreign material from being deposited on the concrete.

Use one of the following cleaning methods for applicable categories:

1. New, exposed, water-cured concrete surfaces.
 - b. Clean the concrete surface by power-sweeping or air-brooming to remove dust. Use a light sweep sandblast to remove any foreign substances. Follow the sandblast by power-sweeping or air-brooming.
1. New, exposed concrete surfaces where curing compounds are used.
 - c. Use a water blast with 7000 psi minimum cold water, or
 - d. Use a sweep sandblast followed by air-brooming or power-sweeping to remove the dust and sand from the surface and opened pores.
- e. Application.

Do not proceed with application of the sealer if the ambient temperature is below 45 degrees Fahrenheit or when the ambient temperature is expected to fall below 32 degrees Fahrenheit within 12 hours of the application.

Do not proceed with the application of any sealer material in rainy conditions, if rain is anticipated within two (2) hours after application, or if it has rained within 24 hours of the initial application.

Do not apply sealer when standing water is present or when the surface appears damp. Dry surface sufficiently for the sealer to penetrate per predetermined coverage rates.

Cure cast-in-place concrete a minimum of 7 days and ensure that the 28 day strength is obtained prior to application of the penetrating concrete sealer. Apply 2 coats of the penetrating concrete sealer to the concrete surfaces.

Complete test areas on the structures in cooperation with the sealer manufacturer to verify coverage rates (square feet per gallon) and application procedures. Apply the penetrating concrete sealer under the observation of the Construction Manager. Apply the penetrating concrete sealer to exposed concrete roadway surfaces or bridge decks, to curbs, curb and gutter, sidewalks, inlet tops, and to exposed cast-in-place concrete surfaces at the culvert collar, wingwalls, and endwalls. Apply the sealer as supplied, not diluted or altered in any way. Apply the sealer in accordance with manufacturer's directions. Keep traffic off treated surfaces until sealer has completely penetrated and is surface dry.

- f. Safety Precautions. In accordance with the Manufacturer's recommendations.

5501-4.1 MEASUREMENT AND PAYMENT. Square Yards

BASE BID

Item 5501-4.1 Protective Coating for Cement Concrete Pavement (Non-Fuel area)– per square yard

Item 5501-4.2 Protective Coating for Cement Concrete Pavement (Fuel area)– per square yard

END OF SECTION