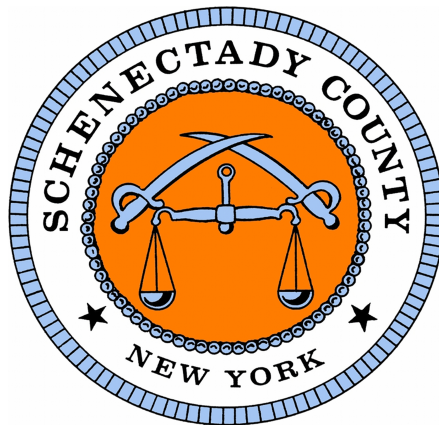


**Addendum No. 2**  
For  
**REHABILITATE TAXIWAY E, F, AND K**

**Schenectady County Airport**

Contract No. RFB-2021-48  
NYS DOT PIN No. 1905.XX  
CHA Project No. 056418.000

**December 7<sup>th</sup>, 2021**



**TO ALL BIDDERS:**

The following information constitutes **Addendum No. 2** of the Contract Documents. Each bidder shall acknowledge receipt of this Addendum.

All revisions to the Drawings and Specifications called for in this Addendum shall be reflected in the Construction Drawings and Specifications issued to the successful bidder at the Pre-Construction Meeting.

The following addendum items modify, change, delete from or add to the requirements of the contract documents for this project. The articles contained in the addendum take precedence over the requirements of the previously published contract documents. Where any article of the contract specifications or any detail of the contract drawings is modified or any paragraph, subparagraph or clause thereof is modified or deleted by the articles contained in this addendum, the unaltered provisions of that articles, paragraph, subparagraph or clause shall remain in effect.

## ITEM No. 1 – CLARIFICATIONS

### **1. Pre-Bid Meeting Minutes**

*Attached as part of this Addendum are the Meeting Minutes for the Pre-Bid Meeting held on December 23<sup>rd</sup>, 2021.*

## ITEM No. 2 – CONTRACTOR'S QUESTIONS

### **1. Can another item be created for placing the millings? If not, which item should the cost be included in?**

*Per the Technical Specification for Item P-101-5.2 (Production Cold Milling), the contractor is paid for not only the milling of the asphalt, but for also the hauling and placement of all created millings (Section 101-5.1 Payment). The official interpretation of this statement is that the contractor shall be paid the unit bid price for the milling, hauling, and single location placement of the millings, whether that be to a stockpile location or a haul route/access roadway requiring the placement of millings per plans. Should the contractor decide to place all millings in a stockpile location and then move again where needed, that is to be completed at their cost, and no additional payment shall be made under this project.*

*The contractor shall take note that no millings are required to be taken off-site. All millings shall be stockpiled on-site at pre-designated stockpile locations.*

### **2. Is it possible to provide a typical section for the access road that includes all work associated (i.e. – any excavation, shoulder backup, etc.)**

*The typical section of the Access Road will appear very similar to the provided detail (PD-8) on Sheet 25. The slope of the access road will be made based on the provided grading sheets. Excavation will only be provided for the proposed section of Access Road as shown on Sheet 21. Some minor adjustments may be required to the existing Stone Access Road to meet grade, but major excavation is not expected. The contractor is directed to review the Grading Plans closely to see where these areas are located. Shoulder backup is not required as the contractor will regrade the adjacent soil to the access roadway.*

### **3. Where is the P-403-8.1 to be used?**

*The item P-403-8.1 (Asphalt Mixture Base Course) shall be utilized for the asphalt paving of the Access Roadway.*

### **4. According to the demolition plans, only a small portion of the access road is to be excavated. Are we to assume that for the rest of the roadway we are placing 15” of material on-top of the existing ground?**

*As shown on Sheet 21, the location of the proposed near Access Road shall be excavated. This portion of excavation will specifically be paid for under the Unclassified Excavation item. The remaining portions of the existing Access Road will only receive Asphalt Pavement.*

*It should be noted that the Access Road in the vicinity of Taxinway E is within the grading limits of the project. Earthwork on both sides of the Access Road has been established in order to improve drainage of this area. The grading has attempted to maintain the existing profile of the gravel Access Road, but the tangent and horizontal curve segments have been minorly adjusted. It may be the requirement of the Contractor to touch-up and regrade the Access Road utilizing the existing gravel and/or a minor amount of millings.*

*In addition, the contractor should be aware that this Access Roadway is also a Haul Route. The contractor is responsible for maintenance and repair of this Haul Route during construction; therefore the paving of this Haul Route is expected to be accomplished upon completing most of the overall project.*

5. **There are a few drainage cleanout details on Page 48, but we're not seeing them called out in the plans of within the bid items. Will there be any cleanouts installed in this project, and if so, how will they be paid for?**

*The drainage items associated with this project that are not related to a specific item are for reference purposes only. Due to the nature of this project, the contractor is potentially going to encounter the underdrain, existing clean-outs, etc, when completing work such as full depth repair and/or the Add Alternative. Should the contractor damage any existing drainage during this project, it is at their own cost to complete the repair, and shall be repaired based on the provided details.*

6. **It appears the following items have been carried in the base bid and the alternate. However, these will only be used once. Please advise where you would like this pricing carried:**

- a. **D-701-5.1 – 15” HDPE Pipe**
- b. **D-701-5.2 – 15” Galv. End Section**
- c. **D-701-5.2 – 18” Galv. End Section**

*A mistake was made when issuing the original Bid Tab forms. Update Bid Tabs have been provided with this addendum to clarify the item incorrections.*

7. **Detail PD-8 on Sheet 25 shows payment for the asphalt under pay item P-401-8.2. Should this asphalt be paid for under P-403-8.1 Asphalt Mixture Base course? If not please advise as to where item P-403-8.1 is to be placed, as it does not show a location in the plans.**

*The correct item for this work is Item No. P-403-8.1 – Asphalt Mixture Base Course. The plan sheet will be updated and provided as part of the “Issued for Construction” set of documents.*

8. **Some cores from Work Area 2B show an existing depth of asphalt up to 2’ with no concrete underneath. Is it the expectation to just hold the 6” milling depth through this area?**

*Yes, the contractor would be expected to continue with only the approximate 6” milling depth through the entire area.*

9. **The detail AAD-2 shown on plans sheet 42 shows the full depth reconstruction on the shoulders to the ANG. However, we do not see the following items in the Alt. Bid:**

- a. **P-154 subbase**
- b. **P-209 subbase**
- c. **P-401 Base Course**
- d. **P-401 Surface Course**

*The Bid Tab forms have been corrected and supplied with this Addendum to represent all the required items for the ADD Alternative Bid.*

10. **Can you please confirm the unclassified excavation qty., as it appears the qty does not reflect the stripping of topsoil in the areas to be re-graded.**

*The Unclassified Excavation number **does** include the stripping of the topsoil. Per the Technical Specifications, Unclassified Excavation covers and makes payment for the removal and single placement of*

*material (regardless of that material). The Topsoil item covers and makes payment for the 2<sup>nd</sup> placement of the stripped Topsoil into the locations of regrading as required. Should the contractor strip too much topsoil, they will not be compensated for an additional placement of the extra topsoil to allocated stockpiles.*

*The contractor shall also take note of the “Method of Measurement” for Unclassified Excavation. The contractor is expected to accept the Unclassified Excavation quantity upon review and acceptance of the design model. As discussed in the Method of Measurement, this item shall be paid at the Contract amount unless the Contractor can prove a discrepancy of more than 5%, and the burden of proof falls entirely on the Contractor.*

- 11. Can you please advise if builder’s risk insurance is required. It is listed as insurance needed, but with no specified limits.**

*Builder’s Risk Insurance shall not be required under this project.*

- 12. The detail is calling for a Stainless Steel Adjustable Extension with a Stainless Steel 12” Deep L-868B Base can. The adjustable extension is something that was done by a company called SAFE and these are deemed to be a major safety concern. The FAA does not approve of adjustable extension. I have attached a memo that was sent out from the FAA regarding such extensions. We can not quote out this extension. We can quote the traditional bottom/top section combo but no supplier can off the adjustable extension setup. Please review and advise if acceptable for the Class 1B Bottom/Top Section Combo?**

*The contractor shall bid this item based on the FAA accepted and approved Top/Bottom Section Combination. The detail will be updated and provided as part of the “Issued for Construction” set of documents.*

- 13. Are there black borders on the taxiway centerlines and the runway holding position?**

*Black Borders are not required under this project.*

- 14. Will the white Stop Bars be getting glass beads?**

*Yes, Glass Beads shall be applied to all proposed pavement markings under this project.*

- 15. On sheet 25, detail PD-8. The detail shows millings and new asphalt to be repaved and its incidental to the project. Is this just for the access road on sheet 17 or is there other access roads requiring this?**

*The Access Road shown on Sheet 17 is only receiving a 2” mill and overlay of new asphalt. The Access Roadway which detail PD-8 represents is on Sheet 21. This Access Roadway requires the Full Depth excavation of existing soil and placement of Millings as shown on Detail PD-8. Please refer to Question #4 of this Addendum for additional information regarding the expected work associated with the Access Roadway.*

- 16. Sheet 21 has a temporary access road with a note stating unclassified excavation. Is there a detail for this access road? Does this stay after construction?**

*See Sheet 25; Detail PD-8. There is also no reference to this access roadway being Temporary. This access roadway is newly constructed and will remain after construction. Please reference Question #4 for additional information regarding the expected work associated with the Access Roadways, particularly them being used as Haul Routes.*

17. Could you please confirm the bid items for the Add Alt. No.1 in the project proposal? In the proposal pages BS-12 to BS-14, the descriptions, quantities, and units differ from the table shown on page 2 of the project plans, which I believe are the correct bid items/ descriptions.

*The Bid Tab forms have been corrected and supplied with this Addendum to represent all the required items for the ADD Alternative Bid.*

18. It appears the project is looking for 3 different types of material: a P-401 Surface, P-401 Base and a P-403 Base. The specs provided only have 1 set of JMF gradation requirements. Does the project have another set of gradation requirements to be utilized for a base/surface course design or are we to design a, for lack of better word, “hybrid” mix that would meet the requirements of the specifications yet be utilized for both the Surface and Base courses.

*For the P-401 items, an updated Table 2 – Aggregate table has been provided (see below) for both the Base and Surface Course pavement items. This table will be provided as part of the “Issued for Bid” set of documents. Additionally, the P-403 item includes an Aggregate table within its Technical Specification document under Section P-403-3.3 (Page 403-5).*

**Table 2. Aggregate - Asphalt Pavements**

| Sieve Size  | Percentage by Weight Passing Sieve |           |
|---|------------------------------------|-----------|
|   | Base                               | Surface   |
| 1 inch (25.0 mm)  | 100                                | -         |
| 3/4 inch (19.0 mm)  | 76-98                              | 100       |
| 1/2 inch (12.5 mm)  | 66-86                              | 79-99     |
| 3/8 inch (9.5 mm)   | 57-77                              | 68-88     |
| No. 4 (4.75 mm)   | 40-60                              | 48-68     |
| No. 8 (2.36 mm)   | 26-46                              | 33-53     |
| No. 16 (1.18 mm)  | 17-37                              | 20-40     |
| No. 30 (600 µm)   | 11-27                              | 14-30     |
| No. 50 (300 µm)   | 7-19                               | 9-21      |
| No. 100 (150 µm)  | 6-16                               | 6-16      |
| No. 200 (75 µm)   | 3-6                                | 3-6       |
| <b>Minimum Voids in Mineral Aggregate (VMA)<sup>1</sup></b> | 14%                                | 15%       |
| <b>Asphalt Percent:</b>                                     |                                    |           |
| Stone or gravel   | 4.5 – 7.0                          | 5.0 – 7.5 |
| Slag  | 5.0 – 7.5                          | 6.5 – 9.5 |
| <b>Recommended Minimum Construction Lift Thickness</b>      | 3”                                 | 2”        |

19. The specifications list APA testing as part of the design. This can be done, it will require involving a 3<sup>rd</sup> party/lab to perform. In place of the APA, could we substitute the Hamburg Wheel which could be performed by the laboratory fabricating the designs?

*The contractor shall be required to utilize the testing methods as set forth by the FAA for the provided Technical Specifications.*

20. Section 401.2.3 states that “the Asphalt Binder (liquid) shall conform to ASTM D6373 PG64-22.” This fails to denote a particular grade, as far as my knowledge goes. Are they seeking 64S-22, 64V-22 or a different grade entirely?

*The contractor shall be required to utilize PG64S-22.*

21. Addendum 1: Question 4 (p. 2) regarding the discrepancy between sign modules and bid items descriptions notes that, "An updated Bid Form will be provided prior to Bid Opening to include this change." Will that bid form be forthcoming?

*The Bid Tab forms have been corrected and supplied with this Addendum to represent all the required items for the ADD Alternative Bid.*

22. Can the Bid Bond be utilized in substitute of the Security Check?

*No, the Security Check is a requirement of Schenectady County in order to bid this project while the Bid Bond is a Federal requirement of the FAA. Both are required under this project in order to offer a bid.*

23. Can the Removed Concrete also be stockpiled onsite with the Topsoil and Unclassified Excavation Material?

*Only the Asphalt Millings, Unclassified Excavation (Soil and Subbase), and Topsoil shall be stockpiled onsite at the designated stockpile locations. Any material not listed above removed from the ground such as Concrete, Rebar, Conduit, Electrical Wiring, Concrete Structures, Base Cans, etc, shall be removed from the site entirely and disposed of by the Contractor.*

### ITEM No. 3 – FRONT ENDS

#### **Bid Schedule/Tabulation Form**

*An updated Bid Schedule/Tabulation Form has been provided with this Addendum. Contractors shall utilize this document for their submitted Bids due on Thursday December 9<sup>th</sup>, 2021 at 1:30pm.*

### ITEM No. 4 – SPECIFICATIONS

None



## PRE-BID MEETING AGENDA

Schenectady County Airport  
**Rehabilitate Taxiway E, F, and K**

FAA AIP No. 03-36-0106-059-2020  
Schenectady County Contract No. RFB-2021-48  
CHA Project No. 056418.000

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**Date:** November 23<sup>rd</sup>, 2021  
**Time:** 1:00 pm  
**Location:** Schenectady County Airport – Richmor Aviation – Training Room (& Microsoft Teams)

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**Attendees:** See Sign-In Sheet

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### **OWNER / SPONSOR:**

- Schenectady County (Department of Aviation)
  - Joe Landry – Commissioner of Aviation
  - Peter Knutson – Senior Civil Engineer
  - Michael Schadewald – Airport Operations Manager

### **CONSULTING ENGINEER(S):**

- CHA Consulting, Inc.
  - Jeremy Martelle – Aviation Design Team Leader
  - Paul McDonnell – Aviation Planner
  - Todd Ewell – Project Manager
  - Kristin Dawe – Senior Design Engineer
  - Matthew Florell – Project Engineer / Construction Inspector

### **CONTRACT / BID DOCUMENTS:**

- Obtaining Plans and Specifications:
  - BidNet Direct ([www.bidnetdirect.com/new-york](http://www.bidnetdirect.com/new-york))
  - Formal Request to *Schenectady County Purchasing Department* ([purchasing@schenectadycounty.com](mailto:purchasing@schenectadycounty.com))
  - Printed Plans and Specifications requested through *Schenectady County Purchasing Department* (Requires Non-Refundable \$10.00 Fee)
  - Contractor Question Deadline: **December 2<sup>nd</sup>, 2021 at 5:00pm**
  
- Bid Opening:
  - All Bids must be delivered to the *Director of Purchasing*, No Later than **December 9<sup>th</sup>, 2021 @ 1:30pm**
  - Bids delivered after 1:30pm will **NOT** be accepted
  - Bids will be opened on **December 9<sup>th</sup>, 2021 @ 1:30pm** at:  
**Schenectady County Purchasing Department**  
County Office Building  
620 State Street  
Schenectady, New York 12305

## **BIDDING REQUIREMENTS:**

- Acknowledgement of Addendums
  - One (1) Addendum has been issued as of 11/17/2021.
  - A minimum of (1) Addendum will be issued prior to Bid Opening
  - Addendums have been / will be disseminated by *Schenectady County Purchasing Department* to all documented plan holders
  - All Bidders must acknowledge receipt of issued addendum on Page 2 of the Bid Form
  
- Bid Security Check
  - Certified Check, Payable to **County of Schenectady** for **5%** of total Bid amount
  - Security Check will be returned to unsuccessful Bidders once project is awarded
  
- Disadvantage Business Enterprise (DBE) Goals and Commitment
  - Federally Funded projects require DBE Goals
  - 6.9% DBE Goal (of Total Bid Amount)

## **CONTRACT AWARD:**

- Construction Funding
  - Base Bid – Funded by FAA, NYS, SCH and NYANG
  - Add. Alternative Funding dependent on Bids and available NYANG Funds
  
- Award of Contract
  - Award of Contract dependent on FAA issuing Construction Grant (Early 2022)
  - Contractor may be asked to hold Bid beyond **45 Days**
  - Targeting FAA Grant for Spring 2022
  - Contract Awarded to Low Bidder meeting all requirements
    - Responsive and Responsible
    - Providing Performance Bond (100% of Bid Amount)
    - Providing Labor Bond (100% of Bid Amount)
    - Meets DBE Goals (or accepted Good Faith Effort; approved by Nikita Hardy)
    - Apprenticeship Program Certification
  
- Notice to Proceed
  - NTP Issued to Low Bidder upon full execution of Contract with Schenectady County
  - Contractor shall start construction within **10 Days** of NTP

## **PROJECT DESCRIPTION:**

- This project is broken up into a Base Bid, and an Add Alternative.
- Base Bid encompasses the Rehabilitation of the P-401 Pavement for Taxiway E, Taxiway F, and Taxiway K with miscellaneous Full-Depth Reconstruction repair locations. Also included is the Reconstruction of the accompanied Lighting and Signage systems.
- Add Alternative encompasses the Full-Depth Construction of Asphalt Shoulders associated with the NYANG Ramp Entrance taxiway.
- This project will replace the asphalt pavement surface via milling and overlaying of FAA P-401 Hot Mix Asphalt for Taxiway E, Taxiway F, and Taxiway K, and Full-Depth Excavation of existing asphalt and subbase, with placement of NEW P-209 Subbase stone and P-401 Hot Mix Asphalt for miscellaneous repair locations.



- New Medium Intensity Taxiway Light's (MITL's) fixtures, 2" PVC conduit, 5kV wiring and constant current regulator's (CCR's) will replace the existing lighting system for Taxiway E, Taxiway F, and Taxiway K,
- All Airfield Signage associated with Taxiway E, and Taxiway F will be replaced.
- Placement of both Temporary and Permanent Pavement Markings will be included in this project.
- Taxiway Grooving will be included in the project at the completion of all paving efforts for Taxiway E.

**DURATION AND PHASING:**

- Base Bid

| <b>BASE BID DURATION TABLE</b>               |                         |                         |
|--|-------------------------|-------------------------|
| <b>Work Area</b>                             | <b>Closure(s)</b>       | <b>Duration</b>         |
| Work Area #1A                                | Taxiway K               | 30 Calendar Days        |
| Work Area #1B                                | Taxiway K; Runway 10-28 | 15 Calendar Days*       |
| Work Area #2A                                | Taxiway E               | 60 Calendar Days        |
| Work Area #2B                                | Taxiway F               | 15 Calendar Days*       |
| <b>TOTAL BASE BID CONSTRUCTION DURATION:</b> |                         | <b>90 CALENDAR DAYS</b> |

\*Work shall be run concurrent to the rest of the work area

\*\*Work Area #3A, #3B, #3C, and #3D shall be constructed during a 5-night Airport Closure at any point during construction as approved by SCH

- Numerical sequencing of Work Areas not representative to construction sequencing. Order of Construction shall be dependent on Airport / Air National Guard Flight Activity during anticipated construction. Order of construction shall be coordinated at the Pre-Construction meeting.
- Add Alternative
  - Work associated with the Add Alternative (if awarded) shall be constructed and completed within the amount of calendar days provided for the Base Bid.
  - Construction of this work shall take place at the same time as Base Bid work area #2B.

**DURATION AND PHASING:**

- Construction Phasing
  - Phasing includes (3) Total Work Areas with multiple sub-areas.
  - Work Area No. 1 and No. 2 are to be completed during daytime working hours
  - Work Area No. 3 shall be completed during a consecutive 5-Day Night time Airport Closure
  - Work Areas not required to be completed sequentially. Sequence of Work Areas shall be discussed and finalized at Pre-Construction Meeting with Awarded Contractor.
- Taxiway Construction Duration
  - Project total duration shall be **90 Calendar Days**
  - Liquidated Damages (\$2,000 per Day) could be implemented should construction progress after 90 Calendar Days.
  - Permanent Pavement Markings and Taxiway Grooving require 30 Calendar Day delay from last day of paving. Construction Clock shall stop over this delay period.
  - Construction Start is targeted for Spring 2022 (No earlier than April 4<sup>th</sup>, 2022); dependent on FAA Grant Offer to Schenectady County.
  - Phasing as shown on the plans reflects the ability to construct (2) independent portions of the project.



**UNCLASSIFIED EXCAVATION:**

- Contractor may encounter shale and is expected to review Soil Borings
- Shale Excavation shall be paid for under P-152-4.1 *Unclassified Excavation* and NOT Rock Excavation
- Contractor should expect encountering additional structures during construction, not shown on plans
- Any structures not shown on plans and found within excavation limits shall be removed ADBE and considered incidental to Item No. P-152-4.1 *Unclassified Excavation*
- Potential structures that could be encountered are Light Cans, Junction Structures, etc.

**P-401 ASPHALT PAVEMENT:**

- P-401 FAA Mix Asphalt
- Payment based on Percentage Within Specification Limits (PWL)
  - FAA General Provisions – Section 110
  - Contractor expected to review prior to construction
  - Engineers Testing Firm responsible for QA at Plant, will calculate PWL with Contractor tester
- Contractor responsible for QC Testing (At Plant and In-Field)

**OPEN DISCUSSION:**



## PRE-BID MEETING SIGN-IN

November 23<sup>rd</sup>, 2021

Schenectady County Airport – Richmor Aviation Training Room

1:00 PM

Schenectady County Airport  
**Rehabilitate Taxiway E, F, and K**

FAA AIP No. 03-36-0106-059-2020  
Schenectady County Contract No. RFB-2021-48  
CHA Project No. 056418.000

| NAME               | COMPANY                     | PHONE No.    | EMAIL  |
|--------------------|-----------------------------|--------------|--|
| Matthew T. Florell | CHA Consulting, Inc.        | 518-453-4519 | <a href="mailto:mflorell@chacompanies.com">mflorell@chacompanies.com</a>                     |
| Jeremy Martelle    | CHA Consulting, Inc.        | 518-388-9910 | <a href="mailto:jmartelle@chacompanies.com">jmartelle@chacompanies.com</a>                   |
| Paul McDonnell     | CHA Consulting, Inc.        | 518-453-3989 | <a href="mailto:pmcdonnell@chacompanies.com">pmcdonnell@chacompanies.com</a>                 |
| Todd Ewell         | CHA Consulting, Inc.        | 585-27-0106  | <a href="mailto:wewell@chacompanies.com">wewell@chacompanies.com</a>                         |
| Kristin Dawe       | CHA Consulting, Inc.        | 585-270-0104 | <a href="mailto:kdawe@chacompanies.com">kdawe@chacompanies.com</a>                           |
| Joe Landry         | Schenectady County          | 518-356-5340 | <a href="mailto:joe.landry@schenectadycounty.com">joe.landry@schenectadycounty.com</a>       |
| Peter Knutson      | Schenectady County          | 518-356-5340 | <a href="mailto:peter.knutson@schenectadycounty.com">peter.knutson@schenectadycounty.com</a> |
| Carmelo Modesto    | Air National Guard          | 518-852-3883 | <a href="mailto:carmelo.modesto@us.af.mil">carmelo.modesto@us.af.mil</a>                     |
| Mark Swiderski     | Air National Guard          | 518-344-2321 | <a href="mailto:mark.swiderski@us.af.mil">mark.swiderski@us.af.mil</a>                       |
| Kim Kotkoskie      | Air National Guard          | 518-344-2445 | <a href="mailto:kimberly.kotkoskie@us.af.mil">kimberly.kotkoskie@us.af.mil</a>               |
| Raymond Paul       | Kubricky Construction Corp. | 518-480-5599 | <a href="mailto:rpaul@dacollins.com">rpaul@dacollins.com</a>                                 |
| Mark Petramace     | Kubricky Construction Corp. | 518-225-8593 | <a href="mailto:mpetramace@dacollins.com">mpetramace@dacollins.com</a>                       |
| Graham Craven      | Kubricky Construction Corp. | 518-338-4158 | <a href="mailto:gcraven@dacollins.com">gcraven@dacollins.com</a>                             |

| NAME        | COMPANY                     | PHONE No.    | EMAIL  |
|-------------|-----------------------------|--------------|--|
| Jamie Maybo | Kubricky Construction Corp. | 518-361-4840 | <a href="mailto:jrmaybo@dacollins.com">jrmaybo@dacollins.com</a>     |
| Matt Scott  | Rifenburg Construction      | 518-376-5336 | <a href="mailto:mscott@riftenburg.com">mscott@riftenburg.com</a>     |
| Mike Walsh  | Callanan Industries         | 518-857-6871 | <a href="mailto:mwalsh@callanan.com">mwalsh@callanan.com</a>         |
| Zach Hewke  | Callanan Industries         | 518-275-6727 | <a href="mailto:zach.hewke@callanan.com">zach.hewke@callanan.com</a> |
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**SCHENECTADY COUNTY AIRPORT  
REHABILITATE TAXIWAY E, F, AND K  
BASE BID - SCHEDULE FORM**

| Item No.  | Unit Quantity and Description and Unit Bid Prices |   | Price in Figures |              |
|-----------|---|---|------------------|--------------|
|           |   |   | Unit Price       | Total Amount |
| C-100-3.1 | 1   | CONTRACTOR QUALITY CONTROL PROGRAM<br>LS              | \$ _____.        | \$ _____.    |
|           |   | _____ LS  |                  |              |
|           |   | _____ LS  |                  |              |
| C-102-5.1 | 6,490   | INSTALLATION AND REMOVAL OF SILT FENCE<br>LF          | \$ _____.        | \$ _____.    |
|           |   | _____ LF  |                  |              |
|           |   | _____ LF  |                  |              |
| C-102-5.2 | 11  | INSTALLATION AND REMOVAL OF INLET<br>PROTECTION<br>EA | \$ _____.        | \$ _____.    |
|           |   | _____ EA  |                  |              |
|           |   | _____ EA  |                  |              |
| C-105-5.1 | 1   | MOBILIZATION/DEMobilIZATION (3% MAX)<br>LS            | \$ _____.        | \$ _____.    |
|           |   | _____ LS  |                  |              |
|           |   | _____ LS  |                  |              |

**SCHENECTADY COUNTY AIRPORT  
REHABILITATE TAXIWAY E, F, AND K  
BASE BID - SCHEDULE FORM**

| Item No.  | Unit Quantity and Description and Unit Bid Prices |  | Price in Figures |              |
|-----------|---|--|------------------|--------------|
|           |   |  | Unit Pice        | Total Amount |
| D-701-5.1 | 80  | 15 - INCH HDPE PIPE<br>LF  | \$ _____         | \$ _____     |
|           |   | _____ LF   |                  |              |
|           |   |  |                  |              |
| D-701-5.2 | 2   | 15 - INCH DIA. GALVANIZED STEEL END SECTION<br>WITH RIPRAP<br>LF | \$ _____         | \$ _____     |
|           |   | _____ LF   |                  |              |
|           |   |  |                  |              |
| D-701-5.2 | 2   | 18 - INCH DIA. GALVANIZED STEEL END SECTION<br>WITH RIPRAP<br>LF | \$ _____         | \$ _____     |
|           |   | _____ LF   |                  |              |
|           |   |  |                  |              |
| L-108-5.1 | 19,360  | No. 8 AWG, 5kV CABLE (INSTALLED IN DUCT OR<br>CONDUIT)<br>LF     | \$ _____         | \$ _____     |
|           |   | _____ LF   |                  |              |
|           |   |  |                  |              |

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BASE BID - SCHEDULE FORM**

| Item No.  | Unit Quantity and Description and Unit Bid Prices |  | Price in Figures |              |
|-----------|---|--|------------------|--------------|
|           |   |  | Unit Pice        | Total Amount |
| L-108-5.2 | 14,580  | No. 6 AWG BARE COUNTERPOISE WIRE<br>(INSTALLED IN TRENCH)<br>LF      | \$ _____         | \$ _____     |
|           |   | _____ LF   |                  |              |
|           |   |  |                  |              |
| L-109-5.1 | 1   | ELECTRICAL VAULT WORK<br>LS  | \$ _____         | \$ _____     |
|           |   | _____ LS   |                  |              |
|           |   |  |                  |              |
| L-110-5.1 | 16,940  | 2-INCH SCH. 40 PVC CONDUIT (INSTALLED IN<br>TRENCH)<br>LF            | \$ _____         | \$ _____     |
|           |   | _____ LF   |                  |              |
|           |   |  |                  |              |
| L-110-5.1 | 110   | 2-INCH RIGID GALVANIZED STEEL CONDUIT<br>(ENCASED IN CONCRETE)<br>LF | \$ _____         | \$ _____     |
|           |   | _____ LF   |                  |              |
|           |   |  |                  |              |

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| Item No.  | Unit Quantity and Description and Unit Bid Prices |   | Price in Figures |              |
|-----------|---|---|------------------|--------------|
|           |   |   | Unit Pice        | Total Amount |
| L-115-5.1 | 4   | ELECTRICAL HANDHOLE<br>EA<br><br>_____<br>EA                                      | \$ _____.        | \$ _____.    |
| L-125-5.1 | 138   | REMOVE EXISTING EDGE LIGHT FIXTURE AND<br>BASE (IN TURF)<br>EA<br><br>_____<br>EA | \$ _____.        | \$ _____.    |
| L-125-5.2 | 110   | MEDIUM INTENSITY TAXIWAY EDGE LIGHT ON<br>NEW BASE<br>EA<br><br>_____<br>EA       | \$ _____.        | \$ _____.    |
| L-125-5.3 | 4   | REMOVE EXISTING AIRFIELD GUIDANCE SIGN AND<br>BASE<br>EA<br><br>_____<br>EA       | \$ _____.        | \$ _____.    |



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|-----------|---|--|------------------|--------------|
|           |   |  | Unit Pice        | Total Amount |
| L-125-5.4 | 1   | INSTALL NEW AIRFIELD GUIDANCE SIGN ON NEW<br>BASE - SIZE 2, 2 MODULE<br>EA | \$ _____.        | \$ _____.    |
|           |   | _____ EA   |                  |              |
|           |   |  |                  |              |
| L-125-5.5 | 2   | INSTALL NEW AIRFIELD GUIDANCE SIGN ON NEW<br>BASE - SIZE 2, 3 MODULE<br>EA | \$ _____.        | \$ _____.    |
|           |   | _____ EA   |                  |              |
|           |   |  |                  |              |
| L-125-5.6 | 2   | INSTALL NEW AIRFIELD GUIDANCE SIGN ON NEW<br>BASE - SIZE 2, 4 MODULE<br>EA | \$ _____.        | \$ _____.    |
|           |   | _____ EA   |                  |              |
|           |   |  |                  |              |
| P-101-5.1 | 1,810   | CONCRETE PAVEMENT REMOVAL<br>SY  | \$ _____.        | \$ _____.    |
|           |   | _____ SY   |                  |              |
|           |   |  |                  |              |

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BASE BID - SCHEDULE FORM**

| Item No.  | Unit Quantity and Description and Unit Bid Prices |  | Price in Figures |              |
|-----------|---|--|------------------|--------------|
|           |   |  | Unit Price       | Total Amount |
| P-101-5.2 | 57,630  | PRODUCTION COLD MILLING<br>SY                  | \$ _____.        | \$ _____.    |
|           |   | _____  |                  |              |
|           |   | SY   |                  |              |
| P-101-5.3 | 8,000   | TYPE I CRACK REPAIR (1/4" TO 3/4")<br>LF       | \$ _____.        | \$ _____.    |
|           |   | _____  |                  |              |
|           |   | LF   |                  |              |
| P-101-5.4 | 3,000   | TYPE II CRACK REPAIR (GREATER THAN 3/4")<br>LF | \$ _____.        | \$ _____.    |
|           |   | _____  |                  |              |
|           |   | LF   |                  |              |
| P-152-4.1 | 7,960   | UNCLASSIFIED EXCAVATION<br>CY                  | \$ _____.        | \$ _____.    |
|           |   | _____  |                  |              |
|           |   | CY   |                  |              |

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| Item No.  | Unit Quantity and Description and Unit Bid Prices |   | Price in Figures |              |
|-----------|---|---|------------------|--------------|
|           |   |   | Unit Price       | Total Amount |
| P-152-4.2 | 800   | UNDERCUT (UNDISTRIBUTED)<br>CY                      | \$ _____.        | \$ _____.    |
|           |   | _____   |                  |              |
|           |   | _____ CY  |                  |              |
| P-152-4.3 | 800   | SPECIAL SUBGRADE TREATMENT<br>(UNDISTRIBUTED)<br>CY | \$ _____.        | \$ _____.    |
|           |   | _____   |                  |              |
|           |   | _____ CY  |                  |              |
| P-154-5.1 | 760   | SUBBASE COURSE<br>CY                                | \$ _____.        | \$ _____.    |
|           |   | _____   |                  |              |
|           |   | _____ CY  |                  |              |
| P-154-5.2 | 1,810   | SEPARATION GEOTEXTILE<br>SY                         | \$ _____.        | \$ _____.    |
|           |   | _____   |                  |              |
|           |   | _____ SY  |                  |              |

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| Item No.  | Unit Quantity and Description and Unit Bid Prices |                               | Price in Figures |              |
|-----------|---|-------------------------------|------------------|--------------|
|           |   |                               | Unit Price       | Total Amount |
| P-209-5.1 | 410   | CRUSHED AGGREGATE BASE COURSE | \$ _____.        | \$ _____.    |
|           |   | CY                            |                  |              |
|           |   | _____ CY                      |                  |              |
| P-401-8.1 | 10,140  | BITUMINOUS BASE COURSE        | \$ _____.        | \$ _____.    |
|           |   | TON                           |                  |              |
|           |   | _____ TON                     |                  |              |
| P-401-8.2 | 6,490   | BITUMINOUS SURFACE COURSE     | \$ _____.        | \$ _____.    |
|           |   | TON                           |                  |              |
|           |   | _____ TON                     |                  |              |
| P-403-8.1 | 820   | ASPHALT MIXTURE BASE COURSE   | \$ _____.        | \$ _____.    |
|           |   | TON                           |                  |              |
|           |   | _____ TON                     |                  |              |

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| Item No.  | Unit Quantity and Description and Unit Bid Prices |                                     | Price in Figures |              |
|-----------|---|-------------------------------------|------------------|--------------|
|           |   |                                     | Unit Price       | Total Amount |
| P-603-5.1 | 13,840  | EMULSIFIED ASPHALT TACK COAT<br>GAL | \$ _____.        | \$ _____.    |
|           |   | _____                               |                  |              |
|           |   | GAL                                 |                  |              |
| P-620-5.1 | 3,980   | TEMPORARY PAVEMENT MARKINGS<br>SF   | \$ _____.        | \$ _____.    |
|           |   | _____                               |                  |              |
|           |   | SF                                  |                  |              |
| P-620-5.2 | 3,980   | PERMANENT PAVEMENT MARKINGS<br>SF   | \$ _____.        | \$ _____.    |
|           |   | _____                               |                  |              |
|           |   | SF                                  |                  |              |
| P-621-5.1 | 7,060   | TAXIWAY GROOVING<br>SY              | \$ _____.        | \$ _____.    |
|           |   | _____                               |                  |              |
|           |   | SY                                  |                  |              |

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BASE BID - SCHEDULE FORM**

| Item No.  | Unit Quantity and Description and Unit Bid Prices |                                   | Price in Figures |              |
|-----------|---|-----------------------------------|------------------|--------------|
|           |   |                                   | Unit Pice        | Total Amount |
| T-901-5.1 | 20  | SEEDING<br>AC                     | \$ _____.        | \$ _____.    |
|           |   | _____                             |                  |              |
|           |   | AC                                |                  |              |
| T-905-5.1 | 10,260  | TOPSOILING<br>CY                  | \$ _____.        | \$ _____.    |
|           |   | _____                             |                  |              |
|           |   | CY                                |                  |              |
| T-908-5.1 | 20  | MULCHING<br>AC                    | \$ _____.        | \$ _____.    |
|           |   | _____                             |                  |              |
|           |   | AC                                |                  |              |
| MST-01    | 1   | FIELD OFFICE AND LABORATORY<br>LS | \$ _____.        | \$ _____.    |
|           |   | _____                             |                  |              |
|           |   | LS                                |                  |              |

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REHABILITATE TAXIWAY E, F, AND K  
BASE BID - SCHEDULE FORM**

| Item No.                    | Unit Quantity and Description and Unit Bid Prices |  | Price in Figures              |              |
|-----------------------------|---|--|-------------------------------|--------------|
|                             |   |  | Unit Pice                     | Total Amount |
| MST-02                      | 1   | MAINTENANCE OF TRAFFIC<br>LS<br><br><hr style="border: 0.5px solid black;"/> <div style="text-align: right;">LS</div>      | \$ _____.                     | \$ _____.    |
| MST-03                      | 1   | PROJECT SURVEY AND STAKEOUT<br>LS<br><br><hr style="border: 0.5px solid black;"/> <div style="text-align: right;">LS</div> | \$ _____.                     | \$ _____.    |
| <b>Total Price in Words</b> |   |  | <b>Total Price in Figures</b> |              |
| Base Bid                    |   | <hr style="border: 0.5px solid black;"/><br><hr style="border: 0.5px solid black;"/>                                       | \$ _____.                     | \$ _____.    |

**SCHENECTADY COUNTY AIRPORT  
REHABILITATE TAXIWAY E, F, AND K  
ADD ALT. No 1 - SCHEDULE FORM**

| Item No.  | Unit Quantity and Description and Unit Bid Prices |  | Price in Figures |              |
|-----------|---|--|------------------|--------------|
|           |   |  | Unit Pice        | Total Amount |
| L-125-5.7 | 5   | MEDIUM INTENSITY TAXIWAY EDGE LIGHT IN<br>PAVEMENT<br>EA | \$ _____.        | \$ _____.    |
|           |   | EA   |                  |              |
|           |   |  |                  |              |
| P-152-4.1 | 770   | UNCLASSIFIED EXCAVATION<br>CY                            | \$ _____.        | \$ _____.    |
|           |   | CY   |                  |              |
|           |   |  |                  |              |
| P-152-4.2 | 80  | UNDERCUT (UNDISTRIBUTED)<br>CY                           | \$ _____.        | \$ _____.    |
|           |   | CY   |                  |              |
|           |   |  |                  |              |
| P-152-4.3 | 80  | SPECIAL SUBGRADE TREATMENT<br>(UNDISTRIBUTED)<br>CY      | \$ _____.        | \$ _____.    |
|           |   | CY   |                  |              |
|           |   |  |                  |              |



**SCHENECTADY COUNTY AIRPORT  
REHABILITATE TAXIWAY E, F, AND K  
ADD ALT. No 1 - SCHEDULE FORM**

| Item No.  | Unit Quantity and Description and Unit Bid Prices |                               | Price in Figures |              |
|-----------|---|-------------------------------|------------------|--------------|
|           |   |                               | Unit Price       | Total Amount |
| P-154-5.1 | 370   | SUBBASE COURSE                | \$ _____.        | \$ _____.    |
|           |   | CY                            |                  |              |
|           |   | _____ CY                      |                  |              |
| P-154-5.2 | 870   | SEPARATION GEOTEXTILE         | \$ _____.        | \$ _____.    |
|           |   | SY                            |                  |              |
|           |   | _____ SY                      |                  |              |
| P-209-5.1 | 200   | CRUSHED AGGREGATE BASE COURSE | \$ _____.        | \$ _____.    |
|           |   | CY                            |                  |              |
|           |   | _____ CY                      |                  |              |
| P-401-8.1 | 350   | BITUMINOUS BASE COURSE        | \$ _____.        | \$ _____.    |
|           |   | TON                           |                  |              |
|           |   | _____ TON                     |                  |              |

**SCHENECTADY COUNTY AIRPORT  
REHABILITATE TAXIWAY E, F, AND K  
ADD ALT. No 1 - SCHEDULE FORM**

| Item No.      | Unit Quantity and Description and Unit Bid Prices |                             | Price in Figures              |              |
|---------------|---|-----------------------------|-------------------------------|--------------|
|               |   |                             | Unit Price                    | Total Amount |
| P-401-8.2     | 100   | BITUMINOUS SURFACE COURSE   | \$ _____.                     | \$ _____.    |
|               |   | TON                         |                               |              |
|               |   | _____ TON                   |                               |              |
| P-603-5.1     | 210   | BITUMINOUS TACK COAT        | \$ _____.                     | \$ _____.    |
|               |   | GAL                         |                               |              |
|               |   | _____ GAL                   |                               |              |
|               |   |                             |                               |              |
|               |   | <b>Total Price in Words</b> | <b>Total Price in Figures</b> |              |
| ADD ALT. No 1 |   | _____                       | \$ _____.                     | \$ _____.    |
|               |   | _____                       |                               |              |
|               |   | _____                       |                               |              |