

Addendum No. 2

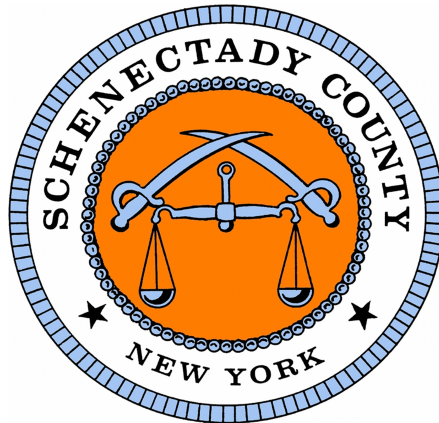
For

Taxiway A (South) and Taxiway B Rehabilitation

Schenectady County Airport

Contract No. RFB-2023-59
FAA AIP No. 03-36-0106-065-2022
CHA Project No. 073323.000

November 29, 2023



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

None

ITEM No. 2 – CONTRACTOR'S QUESTIONS

1. The lamp specification for the signs and taxiway edge lights is incandescent. The most recent project, the airport was convinced to go with LED lamps. Will they be willing to do the same for this project?

The airport was notified as part of the Taxiway A (North) and Taxiway D Rehabilitation that the lead time for incandescent guidance signs was extremely long compared to LED signs. Due to that, the airport agreed to accept LED signs, but still required incandescent to be utilized for the MITL's.

The airport is accepting of the same for this project. Airfield Guidance Signs can be LED even though Incandescent is preferred, but the MITL's must remain Incandescent.

2. Sign S2 is listed as 3 modules, however the FAA will allow the ILS designation to fit on one panel and that would make sign S2 to be 2 modules. Should this be changed?

Yes, the ILS designation sign (S2) should be 2 Modules instead of 3 Modules.

*The **Bid Schedule** has been updated to reflect this change and is provided with this Addendum.*

*The **Sign Legend Table** (Sheet 68) will be updated and provided with the Issued For Construction plans.*

3. Sign S6 is listed as 1 module, however the FAA Legend Length specification for Runway Approach Boundary (Hold Short Bars) for Size 2 is 73", which will require 2 modules. Should this be changed?

Yes, the Runway Approach Boundary sign (S6) should be 2 Modules instead of 1 Module.

*The **Bid Schedule** has been updated to reflect this change and is provided with this Addendum.*

*The **Sign Legend Table** (Sheet 68) will be updated and provided with the Issued For Construction plans.*

ITEM No. 3 – FRONT ENDS

None

ITEM No. 4 – SPECIFICATIONS

None

ITEM No. 5 – MISCELLANEOUS

1. PRE-BID CONFERENCE

*A Pre-Bid Conference was held on **November 27th, 2023** at **11:00pm**. The Meeting Sign-In and Meeting Minutes for this conference are attached.*

BID SCHEDULE

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
C-100-5.1	1	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	\$ _____.	\$ _____.
		LS		
		_____ LS		
C-102-5.1	1,790	INSTALLATION AND REMOVAL OF SILT FENCE	\$ _____.	\$ _____.
		LF		
		_____ LF		
C-102-5.2	20	INSTALLATION AND REMOVAL OF INLET PROTECTION	\$ _____.	\$ _____.
		EA		
		_____ EA		
C-105-5.1	1	MOBILIZATION/DEMOBILIZATION (3% MAX.)	\$ _____.	\$ _____.
		LS		
		_____ LS		
D-705-5.1	1,120	6-INCH Dia. HDPE UNDERDRAIN PIPE	\$ _____.	\$ _____.
		LF		
		_____ LF		
D-705-5.2	6	UNDERDRAIN CLEANOUT	\$ _____.	\$ _____.
		EA		
		_____ EA		
D-705-5.3	2	ADJUST EXISTING UNDERDRAIN CLEANOUT	\$ _____.	\$ _____.
		EA		
		_____ EA		
D-705-5.4	5	REMOVE EXISTING UNDERDRAIN CLEANOUT	\$ _____.	\$ _____.
		EA		
		_____ EA		

BID SCHEDULE

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
D-751-5.1	2	ADJUST EXISTING DRAINAGE STRUCTURE EA	\$ _____.	\$ _____.

		EA		
D-751-5.2	576	REMOVE EXISTING DRAINAGE PIPE LF	\$ _____.	\$ _____.

		LF		
D-751-5.3	1	CONNECT UNDERDRAIN TO DRAINAGE STRUCTURE EA	\$ _____.	\$ _____.

		EA		
L-108-5.1	17,850	No. 8 AWG, 5kV, L-824, TYPE C CABLE (INSTALLED IN CONDUIT) LF	\$ _____.	\$ _____.

		LF		
L-108-5.2	10,290	No. 6 AWG, SOLID, BARE COPPER COUNTERPOISE WIRE (INSTALLED IN TRENCH) LF	\$ _____.	\$ _____.

		LF		
L-109-7.1	1	INSTALLATION OF ELECTRICAL VAULT EQUIPMENT LS	\$ _____.	\$ _____.

		LS		
L-110-5.1	11,650	2-INCH SCHEDULE 40 PVC CONDUIT (INSTALLED IN TRENCH) LF	\$ _____.	\$ _____.

		LF		
L-110-5.2	87	2-INCH SCHEDULE 40 PVC CONDUIT (ENCASED IN CONCRETE) LF	\$ _____.	\$ _____.

		LF		

BID SCHEDULE

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
L-110-5.3	62	EXTEND 4 - WAY DUCT BANK LF	\$ _____.	\$ _____.

		LF		
L-115-5.1	4	ADJUST EXISTING ELECTRICAL STRUCTURE EA	\$ _____.	\$ _____.

		EA		
L-115-5.2	2	REMOVE EXISTING ELECTRICAL STRUCTURE EA	\$ _____.	\$ _____.

		EA		
L-115-5.3	1	RELOCATE EXISTING ELECTRICAL STRUCTURE EA	\$ _____.	\$ _____.

		EA		
L-125-5.1	131	REMOVE EXISTING EDGE LIGHT FIXTURE AND BASE (IN TURF) EA	\$ _____.	\$ _____.

		EA		
L-125-5.2	156	MEDIUM INTENSITY TAXIWAY EDGE LIGHT ON NEW BASE EA	\$ _____.	\$ _____.

		EA		
L-125-5.3	9	REMOVE EXISTING AIRFIELD GUIDANCE SIGN AND BASE EA	\$ _____.	\$ _____.

		EA		
L-125-5.4	2	INSTALL NEW AIRFIELD GUIDANCE SIGN ON NEW BASE - SIZE 2, 1 MODULE EA	\$ _____.	\$ _____.

		EA		

BID SCHEDULE

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
L-125-5.5	6	INSTALL NEW AIRFIELD GUIDANCE SIGN ON NEW BASE - SIZE 2, 2 MODULE EA	\$ _____.	\$ _____.

		EA		
L-125-5.6	2	INSTALL NEW AIRFIELD GUIDANCE SIGN ON NEW BASE - SIZE 2, 3 MODULE EA	\$ _____.	\$ _____.

		EA		
L-125-5.7	2	RELOCATE EXISTING AIRFIELD GUIDANCE SIGN ON NEW BASE EA	\$ _____.	\$ _____.

		EA		
P-101-5.1	35,470	PRODUCTION COLD MILLING SY	\$ _____.	\$ _____.

		SY		
P-101-5.2	5,000	TYPE I CRACK REPAIR (1/4" TO 3/4") LF	\$ _____.	\$ _____.

		LF		
P-101-5.3	2,500	TYPE II CRACK REPAIR (GREATER THAN 3/4") LF	\$ _____.	\$ _____.

		LF		
P-101-5.4	2,780	ASPHALT PAVEMENT REMOVAL SY	\$ _____.	\$ _____.

		SY		
P-152-4.1	2,170	UNCLASSIFIED EXCAVATION CY	\$ _____.	\$ _____.

		CY		

BID SCHEDULE

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
P-152-4.2	200	UNDERCUT (UNDISTRIBUTED) CY	\$ _____.	\$ _____.

		_____ CY		
P-152-4.3	200	SPECIAL SUBGRADE TREATMENT CY	\$ _____.	\$ _____.

		_____ CY		
P-154-5.1	810	SUBBASE COURSE CY	\$ _____.	\$ _____.

		_____ CY		
P-154-5.2	1,470	SEPARATION GEOTEXTILE SY	\$ _____.	\$ _____.

		_____ SY		
P-209-5.1	250	CRUSHED AGGREGATE BASE COURSE CY	\$ _____.	\$ _____.

		_____ CY		
P-401-8.1	290	ASPHALT BASE COURSE TON	\$ _____.	\$ _____.

		_____ TON		
P-401-8.2	5,120	ASPHALT SURFACE COURSE TON	\$ _____.	\$ _____.

		_____ TON		
P-401-8.3	2,560	ASPHALT LEVELING COURSE TON	\$ _____.	\$ _____.

		_____ TON		

BID SCHEDULE

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
P-603-5.1	4,460	EMULSIFIED ASPHALT TACK COAT	\$ _____.	\$ _____.
		GAL		
		_____ GAL		
P-620-5.1	7,360	TEMPORARY PAVEMENT MARKINGS	\$ _____.	\$ _____.
		SF		
		_____ SF		
P-620-5.2	7,360	PERMANENT PAVEMENT MARKINGS	\$ _____.	\$ _____.
		SF		
		_____ SF		
P-620-5.3	2,240	PAVEMENT MARKING REMOVAL	\$ _____.	\$ _____.
		SF		
		_____ SF		
T-901-5.1	9	SEEDING	\$ _____.	\$ _____.
		AC		
		_____ AC		
T-905-5.1	3,570	TOPSOIL (ON-SITE)	\$ _____.	\$ _____.
		CY		
		_____ CY		
T-908-5.1	9	MULCHING	\$ _____.	\$ _____.
		AC		
		_____ AC		
MST-01	1	FIELD OFFICE AND LABORATORY	\$ _____.	\$ _____.
		LS		
		_____ LS		

BID SCHEDULE

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
MST-02	1	MAINTENANCE OF TRAFFIC LS	\$ _____.	\$ _____.

		_____ LS		
MST-03	1	PROJECT SURVEY AND STAKEOUT LS	\$ _____.	\$ _____.

		_____ LS		

		Total Price in Words	Total Price in Figures	
Base Bid		_____	\$ _____.	\$ _____.



PRE-BID MEETING SIGN-IN

Schenectady County Airport

Taxiway A (South) and Taxiway B Rehabilitation

FAA AIP No. 03-36-0106-065-2023

Schenectady County Contract No. RFB-2023-59

CHA Project No. 069460.000

November 27th, 2023 at 11:00am

OWNER / SPONSOR:

- Schenectady County (Department of Aviation)
 - Paul Sheldon – Commissioner of Aviation
 - Peter Knutson – Director of Engineering
 - 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
 - Matthew Florell – Project Engineer / Construction Inspector
 - Jack Sims – Assistant Project Engineer

BID / CONTRACT DOCUMENTS:

- Obtaining Plans and Specifications:
 - BidNet Direct (www.bidnetdirect.com/new-york)
 - Formal Request to *Schenectady County Purchasing Department* (purchasing@schenectadycounty.com)
 - Printed Plans and Specifications requested through *Schenectady County Purchasing Department* (Requires Non-Refundable \$10.00 Fee)
 - Contractor Question Deadline: **December 11th, 2023 at 4:00pm**
- Bid Opening:
 - All Bids must be delivered to the *Purchasing Agent*, No Later than **December 21st, 2023 at 1:00pm**
 - Bids delivered after 1:00pm will **NOT** be accepted
 - Bids will be opened on **December 21st, 2023 at 1:00pm** at:
Schenectady County Purchasing Department
County Office Building (Second Floor)
620 State Street
Schenectady, New York 12305

BIDDING REQUIREMENTS:

- Acknowledgement of Addendums
 - Addendum No. 1 issued on November 20th, 2023
 - Addendum No. 2 expected to be issued December 1st, 2023
 - Addendum No. 3 no later than December 15th, 2023
 - Addendums will be disseminated by *Schenectady County Purchasing Department* to all documented plan holders
 - All Bidders must acknowledge receipt of issued addendum on the Bid Form
- Bid Security
 - 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
OR
 - Bid Bond (100% of Bid)
- Disadvantage Business Enterprise (DBE) Goals and Commitment
 - Federally Funded projects require DBE Goals
 - **2.7% DBE Goal** (of Total Bid Amount)
 - If unable to meet, Good Faith Effort must be submitted to and approved by Nikita Hardy

CONTRACT AWARD:

- Construction Funding
 - Funded by FAA (90%), NYS (5%), and SCH (5%)
- Award of Contract
 - Award of Contract dependent on FAA issuing Construction Grant
 - Contractor may be asked to hold Bid beyond **45 Days**
 - Targeting FAA Grant for Summer 2024
 - 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 includes a single Base Bid.
 - Rehabilitation of the P-401 Pavement for Taxiway A (South of Taxiway B) and Taxiway B with miscellaneous Full-Depth Construction of required fillet geometry.
 - Reconstruction of the accompanied Lighting System (Taxiway Edge Lights)
 - Reconstruction of the accompanies Airfield Guidance Sign systems.
- This project will replace the asphalt pavement surface via milling and overlaying of FAA P-401 Hot Mix Asphalt for Taxiway A (South of Taxiway B) and Taxiway B, and Full-Depth Excavation, with placement of NEW P-209 Subbase stone and P-401 Hot Mix Asphalt for Filet Geometry improvements.
- New Medium Intensity Taxiway Light's (MITL's) fixtures, 2" PVC conduit, 5kV wiring and a constant current regulator (CCR) will replace the existing lighting system for Taxiway B.
- All Airfield Signage associated with Taxiway A (South of Taxiway B) and Taxiway B will be replaced.
- Placement of both Temporary and Permanent Pavement Markings will be included in this 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 – Must meet **current** FAA Gradation and Mix requirements per SPEC.
- 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)

SAFETY AND SECURITY:

- Site Access
 - Project entirely located within the Air Operation Area (AOA)
 - Access provided through (2) dedicated access gates
 - Contractor shall include their own Key/Combo pad-lock to existing locks
 - Contractor responsible for maintaining security during construction
- Access Restrictions
 - Contractor POV's limited to Contractor's Staging Area
 - Construction Vehicles must be properly identified with affixed amber beacon
 - Deliveries of any kind must be met at gate, allowed in, and escorted while on-site
 - Gate Guard's required during instances of frequent deliveries (Stone, Asphalt, Spoils)

DURATION AND PHASING:

- Construction Phasing
 - Phasing includes (9) Total Work Areas.
 - Work Area No. 1A, 1D, 2A, 2B, 3A, and 3B are to be completed during daytime working hours
 - Work Area No. 1B is required to be completed during night closure of Taxiway B.
 - Work Area No. 1C and 3C shall be completed during separate 2-night Runway 4-22 Closures
- Construction Duration
 - Project total duration shall be **100 Calendar Days**
 - Liquidated Damages (\$2,000 per Day) could be implemented should construction progress after 100 Calendar Days.
 - Permanent Pavement Markings require 30 Calendar Day delay from last day of paving. Construction Clock shall stop over this delay period.
 - Construction Start is targeted for Summer 2024; dependent on FAA Grant Offer to Schenectady County.



BASE BID DURATION TABLE		
Work Area	Closure(s)	Duration
1A	Taxiway A, Taxiway B	49 Calendar Days
1B	Taxiway B	5 Calendar Days*
1C	Runway 4-22, Taxiway B	2 Calendar Days*
1D	Runway 10-28	7 Calendar Days*
2A	Taxiway B	30 Calendar Days
2B	Runway 10-28, Taxiway B	7 Calendar Days*
3A	Taxiway A	21 Calendar Days
3B	Runway 10-28, Taxiway A	5 Calendar Days*
3C	Runway 4-22, Taxiway A	2 Calendar Days*
TOTAL CONSTRUCTION DURATION:		100 CALENDAR DAYS

**Work shall be run concurrent to another work area and calendar days shall not count towards the total construction duration.*

***Work Area #1C and #3C shall be constructed during a 2-night Runway 4-22 Closure during the adjacent work area as approved by SCH*





PRE-BID MEETING SIGN-IN

Schenectady County Airport

Taxiway A (South) and Taxiway B Rehabilitation

FAA AIP No. 03-36-0106-065-2023

Schenectady County Contract No. RFB-2023-59

CHA Project No. 073323.000

NAME	COMPANY	PHONE No.	E-MAIL
Matthew T. Florell	CHA Consulting, Inc	518-453-4519	mflorell@chasolutions.com
*Todd Ewell	CHA Consulting, Inc	585-270-0106	wewell@chasolutions.com
*Jack Sims	CHA Consulting, Inc	585-270-0136	jsims@chasolutions.com
Peter Knutson	Schenectady County	518-356-5340	peter.knutson@schenectadycounty.gov
Michael Walsh	Callanan Industries	518-857-6871	mwalsh@callanan.com
Zach Hewlan	Callanan Industries	518-275-6727	estimating@callanan.com
Bill Clifton	DLC Electric	518-365-8597	blifton@dlcelectric.net
Tony Van Schaack	Martin Electric	518-858-4056	Tvanschaack2@martinelectric.com
Todd Clarke	Kubricky	518-241-9777	tclark@dacollins.com
Mark Petramale	Jointa Lime Company	518-225-8593	mpetramale@dacollins.com
Mason Munger	Rifenburg Construction	518-598-8962	mmunger@riftenburg.com
John Nelson	O'Connell Electric	518-859-5066	John.nelson@oconnellelectric.com
Jeremy Loucks	Upstate Companies	607-371-0782	jeremy@upstatecompany.com

***Attendee was present via Microsoft Teams**