

AUTHORIZING THE AWARD OF A CONTRACT TO WEST SIDE TRACTOR SALES COMPANY FOR THE PURCHASE OF SNOW REMOVAL EQUIPMENT AND AUTHORIZING A PROFESSIONAL SERVICES AGREEMENT WITH CRAWFORD, MURPHY AND TILLY, INC. FOR DESIGN ENGINEERING SERVICES IN AN AMOUNT NOT TO EXCEED \$602,254.48, WITH A LOCAL SHARE NOT TO EXCEED \$60,225.48.

WHEREAS, the City of DeKalb (the "City") is a home rule unit of local government and may exercise any power and perform any function pertaining to its government and affairs pursuant to Article VII, Section 6, of the Illinois Constitution of 1970; and

WHEREAS, the City's Public Works Department solicited bids to purchase snow removal equipment for the airport runway broom project consisting of One Wheel Loader with Bucket, One Wheel Loader Broom Attachment, One Skid-Steer Loader, One Skid Steer Loader Broom Attachment, One Skid Steer Loader Box Plow Attachment, and One 84 inch Snow Blower for Skid Steer under the Illinois Department of Transportation ("IDOT") Rebuild Illinois matching grant funds and determined that the lowest responsible bidder was West Side Tractor Sales Company with a bid in the amount of \$582,157.14, with the City's local share not to exceed \$60,225.45, per the bid attached and incorporated Exhibit A (the "Bid"); and

WHEREAS, City staff and Crawford, Murphy and Tilly, Inc. negotiated a professional services agreement for design engineering services relating to the airport runway broom project in the form attached and incorporated as Exhibit B (the "Agreement"); and

WHEREAS, the City's corporate authorities find that approving the Bid and the Agreement is in the City's best interests for the protection of the public health, safety, and welfare; and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DEKALB, ILLINOIS:

SECTION 1: The recitals to this resolution are true, material, adopted and incorporated as Section One to this resolution.

SECTION 2: The City's corporate authorities adopt and approve: (1) the Bid; and (2) the Agreement. The City's corporate authorities further approve, authorize, and direct the City Manager to: (1) negotiate and execute an agreement with West Side Tractor Sales Company for the Bid in an amount not to exceed \$582,157.14; (2) negotiate and execute the Agreement; and (3) take all necessary acts to effectuate the award of the Bid to West Side Tractor Sales Company, the Agreement, and the airport runway broom project for a total project amount not to exceed \$602,254.48 with the City's local share not to exceed \$60,225.45.

SECTION 3: This resolution shall be the effective legislative act of a home rule municipality without regard to whether such resolution should (a) contain terms contrary to the provision of current or subsequent non-preemptive state law, or (b) legislate in a manner or regarding a matter not delegated to municipalities by state law. It is the intent of the City's corporate authorities that if this resolution is inconsistent with any non-preemptive state law, this resolution shall supersede state law in that regard in its jurisdiction.

SECTION 4: This resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL of the City of DeKalb, Illinois, at a Regular meeting thereof held on the 9th day of June 2025 and approved by me as Mayor on the same day. Passed by a 6-0-2 roll call vote. Aye: Zasada, Larson, Carlson, Verbic, Walker, Barnes. Nay: None. Absent: Smith, Powell.




COHEN BARNES, Mayor

ATTEST.

Ruth A. Scott, Executive Assistant

CONTRACT AGREEMENT

KNOW ALL PERSONS BY THESE PRESENTS of this agreement entered into this 16 day of June, 2025, by and between Dekalb Taylor Municipal Airport, a body politic and corporate, hereinafter referred to as the "OWNER", and West Side Tractor Sales hereinafter referred to as the "VENDOR" in these contract documents.

WITNESSETH

WHEREAS, the OWNER did advertise by bid for:

Airport improvement to include:

Base Bid - Snow Removal Equipment (SRE): ONE (1) WHEEL LOADER WITH BUCKET, ONE (1) WHEEL LOADER BROOM ATTACHMENT; ONE (1) SKID-STEER LOADER, ONE (1) SKID-STEER LOADER BROOM ATTACHMENT, ONE (1) SKID-STEER LOADER BOX PLOW ATTACHMENT

ADDITIVE ALTERNATE #1 DESCRIPTION:

ONE (1) 84-INCH SNOW BLOWER FOR SKID STEER

(Herein referred to as "Snow Removal Equipment")
for Dekalb Taylor Municipal Airport, Dekalb, IL.

WHEREAS, the VENDOR did underdate of May 9, 2025 submit a bid for such work; and
WHEREAS, after due consideration of all the bids, the OWNER did award the Contract to the VENDOR.

NOW THEREFORE, in consideration of the mutual promises made by each party to the other, the parties covenant and agree as follows:

1. Work

The VENDOR will furnish all Snow Removal Equipment in compliance with the specifications (herein referred to as "Contract Documents") of which this Agreement is a part.

All Snow Removal Equipment shall be supplied in strict conformance with the provisions of this Agreement the Invitation to Bid, Instructions to Bidders, Supplementary Provisions, Special Terms and Conditions, Contract Agreement, Bond Forms and Technical Specifications which are attached hereto and shall be considered a part of this Agreement.

The restatement in this Contract of any of the terms of said Contract Documents and Standard Specifications shall not be deemed to wave any terms not as restated.

2. Warranty

The VENDOR agrees to warranty all Snow Removal Equipment in compliance with the Contract Documents. Any such defects in design, material, and workmanship that occur with the stated warranty period shall be the responsibility of the VENDOR. It is agreed that all warranty claims shall be considered valid or eligible from written date of final acceptance to the warranty expiration date as determined by the Contract Documents.

3. Contract Price

It is agreed that the Snow Removal Equipment in the "Bid Forms" in the VENDOR's Proposal Section of the Contract Documents will be used as the basis for determining the amount due under this Contract Agreement. The amount due under this Agreement so determined is:

\$ 582,157.14

hereinafter referred to as the Contract Price.

Said amount is based on the price(s) stated in VENDOR'S Bid Proposal, which is attached to and made a part of this Agreement.

4. Payment

Upon the completion, delivery, and acceptance of the Snow Removal Equipment by the OWNER, all sums due the VENDOR by reason of faithful performance of the work, taking into consideration additions to or deductions from the Contract price by reason of alterations or modifications of the original Contract or by reason of "Extra Work" authorized under this Contract, will be paid to the VENDOR by the OWNER after said completion and acceptance.

The acceptance of final payment by the VENDOR shall be considered as a release in full of all claims against the OWNER, arising out of, or by reason of, the work completed, and materials furnished under this Contract.

5. Contract Time

The VENDOR agrees to commence work within ten (10) calendar days of the date specified in the OWNER'S Notice-to-Proceed. VENDOR further agrees to deliver all Snow Removal Equipment within **190 Calendar Days** of the date specified and or as approved as noted in the variances and deviations in the OWNER's Notice-to-Proceed.

It is expressly understood and agreed that the stated Contract Time is reasonable for the completion of the Work, taking all factors into consideration. Furthermore, extensions of the Contract Time may only be permitted by execution of a formal modification to this Contract Agreement in accordance with the General Provisions and as approved by the OWNER.

6. Liquidated Damages

The VENDOR and OWNER understand and agree that time is of the essence for completion of the work and that the OWNER will suffer additional expense and financial loss if said work is not completed within the authorized contract time. Furthermore, the VENDOR and OWNER recognize and understand the difficulty, delay and expense in establishing the exact amount of actual financial loss and additional expense. Accordingly, in place of requiring such proof, the VENDOR expressly agrees to pay the OWNER non-penal amounts as liquidated damages **\$500.00** for each calendar day the snow removal equipment remains undelivered (or in a nonoperational condition in all respects in) to the Airport after the delivery date

Furthermore, the vendor understands and agrees that;

The OWNER has the right to deduct from any monies due the VENDOR the amount of said liquidated damages.

7. VENDOR'S Representations

The VENDOR understands and agrees that all representations made by the VENDOR within the Proposal shall apply under this Agreement as if fully rewritten herein.

8. VENDOR'S Certifications

The VENDOR understands and agrees that all certifications made by the VENDOR within the Proposal shall apply under this Agreement as if fully rewritten herein.

9. Miscellaneous

- a. VENDOR understands that it shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction in connection with completion of the Work;

- b. VENDOR understands and agrees that it shall not accomplish any work or furnish any materials that are not covered or authorized by the Contract Documents unless authorized in writing by the OWNER;
- c. The rights of each party under this Agreement shall not be assigned or transferred to any other person, entity, firm, or corporation without prior written consent of both parties;
- d. OWNER and VENDOR each bind itself, their partners, successors, assigns and legal representatives to the other party in respect to all covenants, agreements, and obligations contained in the Contract Documents.

IN WITNESS WHEREOF, the said Dekalb Taylor Municipal Airport has caused this Contract to be signed and sealed in its corporate name by the OWNER, respectively, being duly authorized, and West Side Tractor Sales Co.

has caused this Contract to be signed and sealed in its corporate name by, Adam Roth its Territory Manager being duly authorized, the day and year first written above at 3300 Ogden Ave.
Lisle IL

IN WITNESS WHEREOF, OWNER and VENDOR have executed three (3) copies of this Agreement on the day and year first noted herein 60532

OWNER: Dekalb Taylor Municipal Airport

By <u>[Signature]</u>	<u>[Signature]</u>
Name: <u>Ben Trompeter</u>	<u>Bill Nicklas</u>
Title: <u>Airport Manager</u>	<u>City Manager</u>

VENDOR: West Side Tractor Sales

By [Signature]

Name Adam Roth

Title Territory Manager

(Seal)

ATTEST [Signature]

By: [Signature]
Signature

Executive Asst
Title

ATTEST

By: _____
Signature

Title



DEKALB TAYLOR MUNICIPAL AIRPORT

INVITATION TO BID

BASE BID DESCRIPTION:

**ACQUIRE SNOW REMOVAL EQUIPMENT (SRE):
ONE (1) WHEEL LOADER WITH BUCKET, ONE (1) WHEEL LOADER
BROOM ATTACHMENT; ONE (1) SKID-STEER LOADER, ONE (1) SKID-
STEER LOADER BROOM ATTACHMENT, ONE (1) SKID-STEER
LOADER BOX PLOW ATTACHMENT**

ADDITIVE ALTERNATE #1 DESCRIPTION:

ONE (1) 84-INCH SNOW BLOWER FOR SKID-STEER LOADER

STATE PROJECT: DKB-4906

ISSUE DATE: APRIL 9, 2025

BID OPENING DATE: MAY 9, 2025

BID OPENING TIME: 2:00 PM CST

BID RESPONSES MUST BE RECEIVED NO LATER THAN THE PUBLIC BID OPENING DATE AND TIME (LOCAL TIME) SPECIFIED ABOVE. BIDS WILL BE OPENED AND READ ALOUD AT THAT TIME. LATE BIDS WILL NOT BE CONSIDERED.

TO ALL PROSPECTIVE VENDORS/BIDDERS:

You are hereby invited to submit your bid for the item(s) to be furnished and delivered, shipped F.O.B. to the address specified herein.

All bids must be received in DUPLICATE in sealed envelopes.

All bids are subject to staff analysis and Board approval. The DeKalb Taylor Municipal Airport reserves the right to accept or reject any and all bids received and waive any and all technicalities.

The requirements of the Business Enterprise for Minorities, Females, and Persons with

Disabilities Act, 30 ILCS 575, apply to this contract. The Owner has established a DBE contract goal of **0 (zero) percent** for this contract. Award of this contract will be conditioned upon satisfying the requirements of this section.

Each proposal must be accompanied by a bid guaranty in the amount of five (5) percent of the total amount of the bid. The bid guaranty may be by certified check or bid bond made payable for Dekalb Taylor Municipal Airport.

This procurement action is governed by all applicable local and State regulations.

Examination and Procurement of Documents:

Instruction to Bidders, form of proposals, form of agreement, specifications, and wage rate are on file and may be inspected at: Airport Administration Office, DeKalb Taylor Municipal Airport, 3232 Pleasant Street DeKalb, IL 60115, and City of Dekalb Water Division, 1216 Market St. DeKalb IL 60115.

Instruction to Bidders, form of proposals, form of agreement, specifications, and wage rate will be available on **April 9, 2025**, and may only be obtained from The City of Dekalb (by visiting www.cityofdekalb.com/bids.aspx) All addenda issued for this contract shall also be available through the City of Dekalb to registered plan holders as they become available.

Bids must be delivered prior to the public bid opening date and time to:

**City of Dekalb Water Division
1216 Market St. DeKalb IL 60115
Attn: April Beeman**

Questions concerning the specifications shall be directed to:

**DeKalb Taylor Municipal Airport
3232 Pleasant Street
DeKalb, IL 60115
Phone: 815-748-8102
Attn: Benjamin Trompeter**

SRE PROCUREMENT CONTRACT DOCUMENTS AND SPECIFICATIONS

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BIDDING DOCUMENTS

INSTRUCTIONS TO BIDDERS

1. BID PREPARATION

Bids must be submitted, in duplicate, on the blank Bid Form furnished with these contract documents and shall conform to the terms and conditions set forth in the "Instructions to Bidders," "General Terms and Conditions" and "Special Terms and Conditions" of the contract. Bids submitted in any other manner, or which fail to furnish all information or certificates required may be summarily rejected. Bids may be modified or withdrawn prior to the time specified for the opening of bids. Bids shall be filled out legibly in ink or typewritten with all erasures, strikeovers and corrections initialed in ink by the person signing the bid.

2. BID EXECUTION

If the Bidder is a corporation, the President shall execute the bid. In the event that the bid is executed by other than the President, a certified copy of that section of the corporate by-laws or other authorization by the corporation, which permits the person to execute the bid for the corporation, shall be submitted. If the Bidder is a partnership, all partners shall execute the bid, unless one partner has been authorized to sign for the partnership, in which case, evidence of such authority satisfactory to the Director/Finance & Administration shall be submitted. If the Bidder is a sole proprietor, the owner shall execute the bid. A "Partnership" or "Sole Proprietor" operating under an Assumed Name shall be registered with the Illinois County in which located, as provided in the Illinois Compiled Statutes, 805/ILCS 405/1.

3. BID SUBMISSION

The Dekalb Taylor Municipal Airport must receive all bids by the specified opening time of the bid. Bids arriving after the specified time will not be accepted and will be returned unopened. All bids shall be submitted in sealed envelopes with the following information explicitly shown (centered both vertically and horizontally on the envelope): Title "Snow Removal Equipment Purchase", Bid opening date and time, name and address of bidder and bid reference number. Further, the sealed envelope must be clearly marked "SEALED BID." The Bidder shall be responsible for the delivery of the bid before the date and hour set forth for the opening of bids.

4. MODIFICATIONS TO CONTRACT DOCUMENTS

Modifications to the contract documents may only be made by written addendum issued by the Owner or Owner's Representative. Verbal explanations, interpretations or comments made by the Owner or Owner's representative shall not be binding. Addenda will be transmitted to all known official plan holders. Each bidder shall certify at the time of bid submittal that they acknowledge receipt of all issued addenda.

5. ERROR IN BID

Bidders are cautioned to verify their bids before submission. Negligence on the part of the Bidder in preparing the bid confers no right for withdrawal or modifications of the bid after it has been opened. In case of error in the extension of prices in the bid, the unit price will prevail.

6. VARIANCES AND DEVIATIONS

Variances and deviations shall be described fully on the Bid Form. In the absence of such statement, the bid shall be considered as if submitted in strict compliance with all terms, conditions, and specifications; the Vendor shall be held liable. Vendors are cautioned to avoid making variances and deviations to the specifications, which may result in rejection of their bid.

7. RESERVED RIGHTS

The Dekalb Taylor Municipal Airport reserves the right at any time and for any reason to cancel this Invitation to Bid, accept or reject any or all bids or any portion thereof, or to accept an alternate bid. The Owner reserves the right to waive any immaterial defects or irregularities in any bid. The Owner may seek clarification from any Bidder at any time and failure to respond promptly is cause for rejection. The Owner has ninety (90) days to accept the bid.

8. INTERPRETATION OR CORRECTION OF BIDDING DOCUMENTS

Bidders shall promptly notify the Owner no later than one (1) week before bid opening of any ambiguity, inconsistency, or error, which they may discover upon examination of the bidding documents. Interpretations, corrections, and changes will be made by written addendum. Each bidder shall ascertain prior to submitting a bid that all addenda have been received and acknowledged in the bid. Oral explanations will not be binding.

9. INCURRED COSTS

The Owner will not be liable for any costs incurred by Bidders in replying to this Invitation to Bid.

10. NO BID RESPONSE

If your firm declines to bid on this invitation, but desires to remain on the Owner's Bidders' List for future invitations, please submit in a letter stating why you are declining to bid.

11. BASIS OF AWARD

It is the intent of the Owner to award a contract to the lowest responsible qualified bidder meeting the specifications. Further, the Owner reserves the right to determine the lowest responsible bidder in any way determined to be in the best interests of the Owner. Award will be based on the following factors (where applicable):

- (a) adherence to all conditions and requirements of the bid specifications;
- (b) price;
- (c) qualifications of the bidder, including past performance, financial responsibility, general reputation, experience, service capabilities, and facilities;
- (d) delivery or completion date;
- (e) product appearance, historical and guaranteed workmanship, finish, overall quality, and results of product testing;
- (f) maintenance costs and warranty provisions; and
- (g) repurchase or residual value.

12. STATE FUNDING ASSISTANCE

It is the intent of the Owner to seek State participation assistance for this project under the Rebuild Illinois Capital Plan. The Owner's Award of Contract and start of work is contingent upon the Illinois Department of Transportation Division of Aeronautics concurrence with the award, the formal establishment of adequate State assistance, and approval to start work. The Owner reserves the right to select any one of the combinations of the Base Bid and Additive Alternates which best serves the Owner's interest and is within available funds.

13. PRE-BID CONFERENCE

If a Pre-Bid Conference is a requirement of this contract, it will be shown on the Title Page.

14. DISADVANTAGE BUSINESS ENTERPRISE (DBE)

The requirements of the Business Enterprise for Minorities, Females, and Persons with Disabilities Act, 30 ILCS 575, apply to this contract. It is the policy of the Dekalb Taylor Municipal Airport to practice nondiscrimination based on race, color, sex or national origin in the award or performance of this contract. All firms qualifying under this solicitation are encouraged to submit bids/proposals. Award of this contract will be conditioned upon satisfying the requirements of this bid specification. These requirements apply to all bidders, including those who qualify as a Disadvantaged Business Enterprise.

The Owner has established a **DBE contract goal of 0 (zero) percent for this contract**. The Bidder/Offeror shall make good faith efforts, as defined in Special Provision for Disadvantaged Business Enterprise Participation, to subcontract reasonable segments of the prime contract to certified DBE firms as defined in Special Provision for Disadvantaged Business Enterprise Participation and in compliance

with the Business Enterprise for Minorities, Females, and Persons with Disabilities Act, 30 ILCS 575.

All bidders shall submit the following information with their proposal on the forms provided:

- (1) The names and addresses of DBE firms that will participate in the contract;
- (2) A description of the work that each DBE firm will perform;
- (3) The dollar amount of the participation of each DBE firm participating;
- (4) Written documentation of the Bidder/Offeror's commitment to use a DBE subcontractor whose participation it submits to meet the contract goal;
- (5) Evidence of good faith efforts undertaken by the bidder, as described in Special Provision for Disadvantaged Business Enterprise Participation.

The successful Bidder will be required to provide written confirmation from the participating DBE firms verifying their intent to participate as in the project. The successful bidder shall submit this written confirmation to the owner prior to execution of a contract or issuance of a purchase order.

15. DBE AFFIRMATION

If not submitted with the proposal, the successful Bidder shall furnish, at the Owner's request and prior to execution of the contract agreement, written affirmation from each identified Disadvantaged Business Enterprise (DBE) firm of their intent to participate in the project.

16. GOOD FAITH EFFORTS (DBE)

Bidder must demonstrate that they made good faith efforts to achieve participation with DBE firms. This requires that the bidder show that it took all necessary and reasonable steps to secure participation by certified DBE firms. The owner will not consider mere pro forma efforts as a good faith effort.

Actions constituting evidence of good faith efforts are described in Special Provision for Disadvantaged Business Enterprise Participation. Such actions include but are not limited to:

- Soliciting DBE participation through all reasonable and available means. This may include public advertisements and phone calls/faxes to known certified DBE firms.
- Consult State Department of Transportation office to obtain a list of certified DBE firms.
- Selecting portions of work that increases the likelihood that DBE firms will be available to participate.
- Providing DBE firms with sufficient information and time to review the project plans and specifications.
- Documenting all contacts with DBE firms. This includes name, address, phone number, date of contact and record of conversation/negotiation.

Documentation of Good Faith Effort shall be provided as part of their bid proposal if the Bidder cannot meet the DBE contract goal.

The Vendor has made a good faith effort to include all statements, requirements, and other language required by federal and state law and by various offices within federal and state governments whether that language is required by law or not. If anything of this nature has been left out or if additional language, etc. is later required, the Bidder/Vendor shall cooperate fully with the Owner to modify the contract or bid documents to correct the deficiency. If the change results in increased operational costs, the Owner shall reimburse the Bidder/Vendor for such costs determined to be reasonable.

17. STEEL PRODUCTS PROCUREMENT ACT (30 ILCS 565)

Bidder shall certify that steel products used or supplied in the performance of this contract are manufactured or produced in the United States in accordance with 30 ILCS 565. The Bidder may request a waiver from the State of Illinois if any one of the following conditions are met. If a waiver is requested, Bidder shall provide adequate justification supporting the request.

- The specified products are not manufactured or produced in the United States in sufficient quantities to meet the agency's requirements or cannot be manufactured or produced in the United States within the necessary time in sufficient quantities to meet the agency's requirements.
- Obtaining the specified products, manufactured, or produced in the United States would increase the cost of the contract by more than 10%.
- When its application is not in the public interest.

18. ADDITIONAL PROVISIONS

Modification to bid documents may only be made by written addendum as issued by the Owner or the Owner's authorized representatives.

The Bidder's Proposal must be made of the forms provided within the contract documents. Bidders must supply all required information prior to the time of Bid opening.

Award of this contract will be made to the lowest responsible, responsive, and qualified bidder.

It is the Dekalb Taylor Municipal Airport's intent to make award contingent upon receiving adequate State funding assistance under the Rebuild Illinois Capital Fund.

The right is reserved, as the Dekalb Taylor Municipal Airport may require, to reject any and all bids and to waive any informality in the bids received.

End of Instructions to Bidders

GENERAL TERMS AND CONDITIONS

1.1 OVERVIEW

The airport sponsor requires the specified pieces of equipment in order to maintain the airfield during large and small snow events. It will be the central and critical element in the effort to accomplish the airport's published snow plan.

1.2 SUBSTITUTIONS

Equipment specifically mentioned by name is used to establish the minimum standards of quality and performance.

Equipment not mentioned herein but possessing the same degree of quality or greater and capable of producing the same results as those specified, will be considered.

1.3 REJECTION OF PROPOSALS

The "Owner" reserves the right to reject any or all proposals, to waive technicalities in any or all bids, and to accept the most advantageous bid as to price, quality, and adaptability for the work performed.

1.4 PROTOTYPES AND EXPERIENCE

The units offered under this advertisement shall be constructed from new components and produced by standard production methods.

Experimental or prototype vehicles or equipment shall not be acceptable.

Experience building machines of this nature is mandatory. Bidder must submit a listing of units manufactured within the last 3 years that are proven comparable and similar in design to the listed specification and have been funded with State funding sources.

The Bidder must furnish evidence with Bid that the model(s) to be furnished has been commercially available through the manufacturer to the industry, has been fully field tested to the satisfaction of the user Airport's and is fully fundable with State money.

Any proposed vehicles or equipment which are not produced by regular production methods and/or which have not been offered for sale to the industry through accepted industry trade channels will be considered experimental. The Owner reserves the right to determine what constitutes experimental equipment.

Hybrids and/or combinations of two or more standard production units may not be accepted.

The Owner, at its option, reserves the right to request an equipment demonstration be conducted by the Bidder/Dealer at a designated site in The Owner's area, defined as 3 (three) hours of travel one way, within 21 days of notice from The Owner to determine whether the proposed equipment meets all Airport requirements.

Bidder/Dealer will pay/reimburse reasonable travel expenses for up to **(2) two Airport Personnel** in the event the site is located outside of The Owner's area.

All cost related to the equipment demonstration will be borne by the Dealer. Failure of the Dealer to provide an equipment demonstration, within the 21 days of Airport notice, will be cause for rejecting their bid.

Location and a contact list of five (5) airports or municipalities using similar equipment is required to be submitted with the bid package. Listing shall not include equipment in operation, over five (5) years old.

Note: Bids submitted without location and contact list may be considered non-responsive and may be rejected.

1.5 GENERAL QUALITY

Material used for construction shall be good commercial quality for the intended service and shall be produced by acceptable manufacturing processes. Materials shall be treated to resist rust, corrosion, and wear.

1.6 COMPONENT SOURCING

Because of the critical nature of this machinery, it is essential that the complete unit and all components be newly manufactured and unused. To this end, the Authority reserves the right to compare serial numbers of engines, transmissions, transfer cases and axles with the current production records of the component manufacturers. Any component found to be used, or not of current production, will be rejected. The Bidder will replace the component in question with an appropriate and acceptable new replacement component at his/her own expense.

1.7 BIDDER RESTRICTIONS

Because of the critical nature of this machinery to the operation of the airport and the specialized design of the equipment, local service and technical support is considered an integral part of this purchase, therefore, bidders shall be an authorized dealer for the equipment they are proposing for a **MINIMUM OF 5 YEARS**.

Authorized Dealer: West Side Tractor Sales John Deere

Representing Manufacturer since: 1962

The successful bidder will have service facilities, service tools, and factory trained on-staff mechanics to assist the airport upon request.

1.8 SUPPORT

Due to the critical nature of this machinery and the specialized design of the equipment, prompt service and technical support are considered an integral part of its purchase. All bidders must be the manufacturer and/or authorized dealer of the vehicle proposed with enclosed and heated service facilities for the purpose of vehicle maintenance.

This service facility must make available factory-trained mechanics trained in the delivery in-service, service, and maintenance of the unit offered and must be equipped to offer timely service on the unit at the in-service location. These mechanics must hold current and valid certifications from the manufacturer. The successful bidder must be capable of servicing the entire unit including the chassis, and any auxiliary equipment provided thereon.

As required, the service facility must be equipped to handle service for the following: body repairs, paint work, welding, frame and spring repairs and power train repairs.

The service facility must provide a technical support telephone contact number. User inquiries shall receive a response to all technical support issues within eight (8) hours. Phone or email response is acceptable.

The bidder shall provide verification and proof that they and chassis manufacturer have had an established and legally binding agreement for a minimum of one (1) year.

Further, the Authority reserves the option to travel to and inspect the bidder's sales and service facilities. This option will be exercised within fifteen (15) business days of the bid opening. Clear evidence of experience in servicing the unit offered must be shown or the bidder will be determined to be unqualified and, therefore, their bid will be determined to be unresponsive.

1.9 DESCRIPTIVE LITERATURE

Bidders must submit with their bids the latest printed specifications and advertising literature on the unit

they propose to furnish.

1.10 VARIATIONS FROM SPECIFICATIONS

The bidder shall list on a separate sheet of paper any variations or exceptions to the conditions and specifications of this proposal. This sheet shall be labeled **"EXCEPTIONS TO BID CONDITIONS AND SPECIFICATIONS"** and shall be attached to the bid. Failure to do so will cause proposal to be rejected.

1.11 F.O.B PRICES

The price quoted shall include all transportation and freight charges (prepaid) to the "Owner".

1.12 DELIVERY DATE

Purchaser desires delivery to be complete within **190 calendar days** of contract award date. Any variances and deviations shall be noted in the Bid Form.

1.13 BASIS FOR AWARDING PURCHASE ORDER

The basis for awarding the purchase order shall be determined by the price and quality of the vehicle to be supplied, its conformity to the specifications, and its suitability to requirements.

1.14 REJECTION OF PROPOSALS

The purchaser reserves the right to reject any and all proposals, to waive any irregularity and technicalities in bids, to accept in whole or part such bid as may be deemed in the best interest of the purchaser.

1.15 BID BOND

A 5% bid bond must accompany all proposals.

1.16 PERFORMANCE BOND

A Performance Bond may be required prior to award of contract, Owner reserves the right to ask for a **100% Performance Bond**.

1.17 FINANCIAL STABILITY

In the interest of continued and reliable service, parts, and technical support, the manufacturer(s) of the equipment proposed shall have exhibited a consecutive history of financial stability and manufacture of similar equipment over a minimum of the past three years.

Because of the critical nature of the product and its application, the burden of proof for this requirement lays with the bidder and/or supplier. The judgment as to a manufacturer's and bidder's experience and stability are solely the responsibility of the agency accepting bids.

1.18 BID AUTHORITY

The Bid shall contain evidence of Bidder's authority and qualification to do business in the state where the Airport Sponsor is located or covenant to obtain such qualification prior to award of the Contract. Bidder's state Vendor License number for the state of the Airport Sponsor, if any, shall also be shown on the Bid form.

1.19 BIDS TO REMAIN SUBJECT TO ACCEPTANCE

All Bids will remain subject to acceptance for the period of time stated in the Proposal Form, but OWNER may, in its sole discretion, release any Bid and return the Bid security prior to the end of the period.

1.20 BID INFORMALITIES AND IRREGULARITIES

- 1.20.1 The OWNER reserves the right to waive any informality or irregularity discovered in any proposal, which in the OWNER's judgment best serves the OWNER's interest. In the event of a discrepancy between the written and numeral values, the written value shall take precedence.

1.20.2 Irregular Proposals. Proposals meeting the following criteria are subject to consideration as being irregular:

- A. If the proposal is on a form other than that furnished by the OWNER or OWNER's representative.
- B. If the form furnished by the OWNER or OWNER's representative is altered from the original document.
- C. If there are unauthorized additions, conditional or alternate pay items or irregularities of any kind that make the proposal incomplete, indefinite, or otherwise ambiguous.
- D. If the proposal does not contain a price for item listed in the proposal.
- E. If the proposal is not accompanied by the proposal attachments specified herein.
- F. If the proposal is not accompanied by the bid guarantee specified herein.

1.20.3 Disqualification of Bid Proposals. The OWNER reserves the right to reject any or all bids, as determined to be in the best interest of the OWNER. Causes for rejection of proposals included but are not limited to:

- A. Submittal of an irregular proposal;
- B. Submittal of more than one proposal for the same piece of equipment from the same partnership, firm, or corporation;
- C. Failure by Bidder to submit the bid prior to the stated time and date for receipt of bids;
- D. Failure by the Bidder to furnish satisfactory bid guarantee;
- E. Failure by Bidder to provide all information required of the bid forms;
- F. Failure by Bidder to comply with the requirements of bid instructions;
- G. Determination by the OWNER that Bidder is not qualified to accomplish the project work;
- H. Determination by the OWNER that the Bidder has placed conditions on or qualified their proposal;
- I. Discovery of any alteration, interlineations, or erasure of any project requirement by the Bidder;
- J. Inclusion of the Bidder on the "Excluded Parties Listing System" as maintained and published by the General Services Administration;
- K. Evidence of collusion among bidders.

2.1 NON-DISCRIMINATION

Vendor shall comply with the Illinois Human Rights Act, 775, ILCS 5/1-101 et seq., as amended and any rules and regulations promulgated in accordance therewith, including, but not limited to the Equal Opportunity Clause, Illinois Administrative Code, Title 44, Part 750 (Appendix A), which is incorporated herein by reference. Furthermore, the Vendor shall comply with the Public Works Employment Discrimination Act, 775 ILCS 10/0.01 et seq., as amended. During the performance of this Contract, the Vendor agrees that it shall not discriminate against any worker, employee or applicant, or any member of the public, on the basis of race, color, religion, sex, national origin, ancestry, age, marital status, physical or mental handicap, or sexual orientation. Upon request of the Owner, the Vendor also agrees to submit in writing an affirmative action plan demonstrating compliance with equal employment opportunity laws and policies. Vendor further agrees that this clause will be incorporated by the Vendor in all contracts entered into with suppliers or materials or services, sub-contractors and all labor organizations furnishing skilled, unskilled and craft union skilled labor, or any other person or organization performing services in connection with this Contract.

2.2 DRUG-FREE WORKPLACE

The Vendor agrees to provide a drug free workplace as provided for in the Drug Free Workplace Act, 30 ILCS 580/1, et seq.

2.3 TAX EXEMPTION

The Dekalb Taylor Municipal Airport is not subject to Federal Excise Tax. Per Illinois Compiled Statutes, 35 ILCS 120/2-5, the Dekalb Taylor Municipal Airport is exempt from state and local taxes. The Owner will provide tax-exempt certificates to the Vendor for the Vendor's use.

2.4 WARRANTIES

Vendor warrants that all goods and services furnished hereunder will conform in all respects to the terms of this solicitation, including any drawings, specifications or standards incorporated herein, and that they will be free from latent and patent defects in materials, workmanship and title, and will be free from such defects in design. In addition, Vendor warrants that said goods and services are suitable for, and will perform in accordance with, the purposes for which they are purchased, fabricated, manufactured, and designed or for such other purposes as are expressly specified in this solicitation. The Owner may return any nonconforming or defective items to the Vendor or require correction or replacement of the item at the time the defect is discovered, all at the Vendor's risk and expense. Acceptance shall not relieve the Vendor of its responsibility.

The bidder shall warrant their equipment as to the specified capacities and performance, and to be free from all defects in design, material, and workmanship. All labor, transportation cost and defective parts shall be replaced free of cost. THIS GUARANTEE SHALL CONTINUE FOR SIX (6) YEARS / 3,000 HOURS AFTER COMMENCEMENT OF ACTUAL OPERATION OF THE EQUIPMENT. No exceptions to the guarantee requirement will be accepted. Additionally, the chassis, engine(s), and drive train shall be warranted for a minimum period of six (6) years / 3,000 hours after commencement of actual operation of the equipment.

The bidder further agrees, upon written notice from the Owner, to promptly and without charge, make changes, corrections and/or replacement, to the satisfaction of the Owner, which may be required to make good all defects in design and material under its intended use. All charges and/or expenses occurred in the delivery, installation or return of parts under warranty guarantee provisions of this contract shall be the sole responsibility of the bidder.

The bidder shall include with its bid a warranty statement that will include the following as a minimum:

1. Duration of warranty period of vehicle, engine, and transmission, etc.
2. Warranty procedure.
3. Disclaimers.
4. All component manufacturer warranties, which exceed the one (1) year basic vehicle warranty, shall also be included in the bid.

2.5 INDEMNIFICATION

Vendor agrees to indemnify, save harmless and defend Dekalb Taylor Municipal Airport, its agents, servants, commissioners, and employees, and each of them against and hold it and them harmless from any and all lawsuits, claims, demands, liabilities, losses or expenses, including court costs and attorneys' fees, for or on account of any injury to any person, or any death at any time resulting from such injury, or any damage to any property, which may arise or which may be alleged to have arisen, in whole or in part, out of or in connection with the work covered by this contract. The foregoing indemnity shall apply except if such injury, death, or damage is caused directly and solely by the negligence or other fault of Dekalb Taylor Municipal Airport, its agents, servants, Commissioners, or employees or any other person indemnified hereunder. This indemnification obligation is not limited by, but is in addition to the insurance obligations, which may be contained in this contract. The provision of this paragraph shall not be waived.

2.6 TERMINATION AND DEFAULT

Time is of the essence of this contract and if delivery of acceptable items or rendering of services is not completed by the time promised, the Owner reserves the right, without liability, in addition to its other rights and remedies, to terminate the contract by notice effective when received by Vendor, as to stated items not yet shipped or services not yet rendered and to purchase substitute items or services elsewhere and charge the Vendor with any or all losses incurred. The Owner shall be entitled to recover its attorney's fees and expenses in any successful action by the Owner to enforce this contract.

2.7 ROYALTIES AND PATENTS

Vendor shall pay all royalties and license fees. Vendor shall defend all suits or claims for infringement of any patent, copyright or trademark rights and shall hold the Owner harmless from loss on account thereof.

2.8 REGULATORY AND COMPLIANCE

Vendor represents and warrants that the goods or services furnished hereunder (including all labels, packages, and containers for said goods) comply with all applicable standards, rules, and regulations in effect under the requirements of all Federal, State, and local laws, rules, and regulations as applicable, including the Occupational Safety and Health Act as amended, with respect to design, construction, manufacture or use for their intended purpose of said goods or services. Vendor shall furnish "Material Safety Data Sheets" in compliance with the Illinois Toxic Substances Disclosure to Employees Act. Pursuant to Illinois Municipal Code 65 ILCS 5/11-42.1-1, by signing this bid the Vendor certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue. The Vendor certifies that they are not barred from bidding on this contract as a result of engaging in or being convicted of: (a) bid-rigging in violation of Section 3; or (b) bid-rotating in violation of Section 4, of the Illinois Criminal Code of 1961, as amended [720 ILCS 5/33E-3 and 4].

2.9 DISCOUNTS

Prices quoted must be net after deducting all trade and quantity discounts. Where cash discounts for prompt payment are offered, the discount period shall begin with the date of receipt of a correct invoice or receipt or final acceptance of goods, whichever is later.

2.10 INSPECTIONS

The Owner shall have the right to inspect any materials, components, equipment, supplies, services, or completed work specified herein. Any of said items not complying with these specifications are subject to rejection at the option of the Owner. Any items rejected shall be removed from the premises of the Owner and/or replaced at the entire expense of the Vendor.

2.11 REFERENCES

To allow the Owner to evaluate the experience of the Vendor, as it relates to this purchase, the Vendor must submit a minimum of five (5) references of organizations that have purchased similar items. Failure to include references may result in bid disqualification. References must be submitted on the Bid Form.

2.12 LAW GOVERNING

This contract shall be governed by and construed according to the laws of the State of Illinois.

2.13 MATERIAL

All components used in the manufacture and assembly of the specified equipment/vehicle shall be new and of high quality and grade. Re-manufactured parts shall not be utilized.

2.14 DECALS

The Vendor shall not affix advertising decals, stickers, or other signs to the specified equipment. Vehicle mud flaps, when specified, shall be installed with the blank side facing outward.

2.15 BRAND NAMES

Whenever in the specification proprietary names, manufacturers, trade names or catalog numbers are specified, such reference is made for the purpose of defining the minimum performance, quality, and other salient characteristics of the desired item. Where "brand names" are specified, the term "or equal" shall follow. Such reference is not intended to be restrictive in nature. The Vendor may offer any material, item or process deemed equal with respect to the required minimum characteristics of the specified "brand name". The Owner reserves the right to make the final determination of equivalency.

2.16 MANUALS/ DOCUMENTS

As a minimum, originals and/or copies of the following documents must be submitted with final delivery of the equipment/vehicle(s). Submittal of this information is in addition to any other submittal required specified within the technical specifications.

1. Applicable Title documents.
2. A complete set of detailed owner's/operator's manuals, part's books, and mechanic's service manuals that includes all standard manufacturer/vendor literature (One (1) physical set and one (1) electronic set). The mechanic's service manuals shall include complete electrical, hydraulic, and compressed air schematics.
3. Manufacturer's standard warranties and guaranties.
4. Vendor Certifications.

Any software, licensing, and/or special access required to view schematics or operate functions within the operator, parts, and service manual electronic files shall be provided at no extra charge. The cost of all software and/or any license fees shall be included in the bid pricing. If any electronic schematic is multipage, paper copies of schematics shall include reference indicators directing the reader to connection points on other pages by sheet number and grid location.

2.17 ASSIGNMENT

The rights of each party under this agreement shall not be assigned or transferred to any other person, entity, firm, or corporation without prior written consent of both parties.

3.1 PRICING

The price quoted for each item is the full purchase price, including delivery to destination, and includes all transportation and handling charges, premiums on bonds, material or service costs, patent royalties and all other overhead charges of every kind and nature. Unless otherwise specified, prices shall remain firm for the contract period.

3.2 SPECIFICATIONS

See Technical Specifications for Snow Removal Equipment (SRE): wheel loader with bucket, wheel loader broom attachment; skid-steer loader, skid-steer loader broom attachment, skid-steer loader box plow attachment. 84-inch snow blower attachment for skid-steer loader.

3.3 TRANSPORTATION & INSTALLATION

The transportation and any construction or installation of any component of the Snow Removal Equipment (SRE): wheel loader with bucket, wheel loader broom attachment; skid-steer, skid steer broom attachment, skid-steer loader box plow attachment. 84-inch snow blower attachment for skid-steer loader onsite shall be included as part of the contract between the Owner and the Vendor.

3.4 INSURANCE

The Vendor shall maintain at all times a minimum commercial liability insurance policy in the amount of \$1,000,000.00 and must name the Dekalb Taylor Municipal Airport as additional insured on Vendor's policy. Proof of adequate insurance in the form of a Certificate of Insurance must be provided to the Owner upon contract acceptance.

3.5 TRAINING

A qualified, factory trained representative must fully install, start-up, and test the unit(s) as well as provide training to the operators and maintenance personnel. Training shall be performed at a time convenient to the Owner, but not later than the operational date of the unit(s). The training shall be performed at the customer's site and shall be a total of 12 hours (as detailed in the specifications) with 6 hours for operators training and an additional 6 hours for mechanics training (mechanics shall attend the operating training first). Training shall include general maintenance, including operation and electronic maintenance related to the basic operation of the vehicle(s). Topics will include, but are not limited to:

1. Vehicle operation and maintenance safety precautions
2. Instrument and control operation
3. Active matrix display summary and operation
4. Seat and seatbelt operation
5. Brake system operation
6. Daily operators' checks and services
7. Engine starting and shutdown
8. Driving recommendations
9. Special off-road driving procedures
10. Steering system operation
11. Electrical system
12. Maintenance and inspection intervals

3.5 INSPECTION

The Vendor will be responsible for all repairs to the vehicle, all components, and systems until such time that the Owner has signed acceptance and all training has been completed. The Owner will provide written acceptance upon final inspection of completed punch list items verifying that the Snow Removal Equipment (SRE): wheel loader with bucket, wheel loader broom attachment; skid-steer loader, skid-steer loader broom attachment, skid-steer loader box plow attachment. 84-inch snow blower attachment for skid-steer loader are complete in all respects and operating properly, and that all training, to the Owner's satisfaction, is accomplished.

3.6 INVOICING & PAYMENT

The goal of the Owner is to pay properly submitted Vendor invoices within thirty (30) days of receipt, providing all goods and specified equipment have been delivered and/or services have been performed, approved, and accepted by Dekalb Taylor Municipal Airport. Original invoices must be presented for payment in accordance with instructions contained on the Purchase Order including reference to Purchase Order number and submitted to the correct address for processing.

3.7 APPROVAL OF THE CONTRACT

The Owner will not enter into a contract with the successful bidder until Owner receives State concurrence of award.

Upon receipt of the Contract Agreement, Contract Bonds and Certificate of Insurance as executed from the successful Bidder, the Owner will complete execution of the contract conditioned upon the Owner's judgment that it remains in their best interest to enter into the Agreement.

Delivery of the fully executed Contract Agreement to the successful Bidder shall constitute the Owner's approval to be bound by the successful Bidder's proposal and all terms and conditions of the Contract Agreement. Upon satisfactory execution of the contract by the successful Bidder and the Owner, all references to "Bidder" in the bid documents become equivalent to the term "Vendor."

3.8 CANCELLATION OF AWARD

At any time prior to execution of a contract agreement, the Owner reserves the right to cancel the award for any reason without liability to the Bidder, with the exception of the return of the bid guaranty, at any time prior to execution of the contract.

3.9 DISPUTE RESOLUTION

In the event of a dispute between the Owner and Vendor arising out of or related to this Agreement, the aggrieved party will notify the other party of the dispute within a reasonable time after such dispute arises. If the parties cannot thereafter resolve the dispute, each party will nominate a senior officer of its management to meet to resolve the dispute by direct negotiation or mediation. The Owner and Vendor shall participate in the negotiation or mediation process in good faith. Should such negotiation or mediation fail to resolve the dispute, either party may pursue resolution in Illinois District Court for Cook County.

END OF GENERAL TERMS AND CONDITIONS

ATTACHMENTS TO THIS BID

The following documents are attached to and made a part of this Bid and are a condition of Bid responsiveness:

- ☐ Bid Form
- ☐ Acknowledgement of Addenda (if applicable)
- ☐ Deviation Form
- ☐ List of References
- ☐ Disadvantaged Business Enterprise (DBE) Utilization Statement
- ☐ Disadvantaged Business Enterprise (DBE) Participation Statement
- ☐ Steel Products Procurement Act (30 ILCS 565) form
- ☐ Certification from Manufacturer/Vendor stating equipment complies with applicable performance, design, and construction requirements of specifications.
- ☐ Certification from Manufacturer/Vendor and Certified Records of Compliance Tests as described in technical specifications.
- ☐ Evidence that Model to be furnished is commercially available and field tested per the Advisory Circular.
- ☐ List of Five (5) airports or municipalities, location, and contacts, using similar salient equipment by the proposed manufacturer.
- ☐ Evidence of Bidder's Authority and qualification to do business in the State.
- ☐ Evidence of Authority to execute the bid.
- ☐ Warranty Statement

ATTACHMENTS TO THIS BID IN SEPARATE ENVELOPE

The following document is submitted in a separate envelope and made a part of this Bid:

- ☐ Bid Guarantee (Bid Bond) in the form set forth in the Bidding Documents.

COMPLETE FOR BID

BID FORM

ACQUIRE SNOW REMOVAL EQUIPMENT (SRE):

BASE BID

ONE (1) WHEEL LOADER WITH BUCKET, ONE (1) WHEEL LOADER BROOM ATTACHMENT; ONE (1) SKID-STEER LOADER, ONE (1) SKID-STEER LOADER BROOM ATTACHMENT, ONE (1) SKID-STEER LOADER BOX PLOW ATTACHMENT

ADDITIVE ALTERNATE #1 DESCRIPTION:

ONE (1) 84-INCH SNOW BLOWER FOR SKID STEER

BID FORM

Full Name of Bidder: West Side Tractor Sales Co

Business Address: 3300 Ogdon Ave

City, State & Zip: Lisle IL 60532

Telephone: 630-488-2812 FAX: _____

Email: aroth@wstsales.com

Contract Person: Adam Roth

FEIN: 36-2484344

The undersigned, being duly sworn, certifies that he/she is:

☒ The Owner/
Sole Proprietor ☐ a Member of
the Partnership ☐ an Officer of
the Corporation ☐ a member of
the Joint
Venture

Further, the Bidder declares that the only person or parties interested in this bid as principals are those named herein.

Further, the undersigned hereby certifies that they have read and understand the contents of this bid and agree to furnish at the prices shown any or all of the items above, subject to all instructions, conditions, specifications, warranties, and attachments, including Addenda No. _____ and _____ issued thereto, except only to the extent that the Bidder has taken express written exception in this bid, hereto. Failure to have read all the provisions of this bid shall not be cause to alter any resulting contract or request additional compensations.

Bids shall remain open up to 90 days until an award by the Airport.

Authorized Signature: Adam Roth

Typed/Printed Name: Adam Roth

Title: Territory Manager

Date: 5/9/2025

Schedule of Prices – Base Bid

Item No.	Item	Unit	Quantity	Unit Price	Total Price
1	Snow Removal Equipment (SRE): Wheel Loader with Bucket	Each	1	\$ 378,548.37	\$ 378,548.37
2	Snow Removal Equipment (SRE): Wheel Loader Broom Attachment	Each	1	\$ 71,290.00	\$ 71,290.00
3	Snow Removal Equipment (SRE): Skid-Steer Loader	EACH	1	\$ 94,529.95	\$ 94,529.95
4	Snow Removal Equipment (SRE): Skid-Steer Loader Broom Attachment	EACH	1	\$ 10,969.22	\$ 10,969.29
5	Snow Removal Equipment (SRE): Skid-Steer Loader Box Plow Attachment	EACH	1	\$ 10,272.21	\$ 10,272.21

BASE BID Acquire Snow Removal Equipment (SRE): ONE (1) WHEEL LOADER WITH BUCKET, ONE (1) WHEEL LOADER BROOM ATTACHMENT; ONE (1) SKID-STEER LOADER, ONE (1) SKID-STEER LOADER BROOM ATTACHMENT, ONE (1) SKID-STEER LOADER BOX PLOW ATTACHMENT

Base Bid Price Total:

\$ 565,609.75

Written Price in Words: Five Hundred Sixty Five Thousand Six Hundred Nine and $\frac{75}{100}$ Dollars

Manufacturer name and model numbers: John Deere 724 P, MB manufacturing 14/PW/2/H/H/E/N/N/B, John Deere 334 P, Arctic LD10.5, John Deere BA96C Artic Broom

(Add additional sheets as necessary.)

Estimated Delivery Time: Loader and Skidsteer July 31st Loader Broom Nov 15th

Schedule of Prices – Additive Alternate #1

Item No.	Item	Unit	Quantity	Unit Price	Total Price
A1	Snow Removal Equipment (SRE): 84-Inch Snow Blower for Skid-Steer	Each	1	\$ 16,547.39	\$ 16,547.39

ADDITIVE ALTERNATE #1 Acquire Snow Removal Equipment (SRE): ONE (1) 84-INCH SNOW BLOWER FOR SKID-STEER

Additive Alternate #1 Price Total:

\$ \$ 16,547.39

Written Price in Words: Sixteen Thousand Five Hundred Forty Seven and Thirty Nine cents

Manufacturer name and model numbers: John Deere SB845 Snow Blower

(Add additional sheets as necessary.)

Estimated Delivery Time: May 20th

Variances and Deviations

Variance 1: Item 4 Skidsteer loader warranty only
Available up to 60 months

Variance 2: Item 2 ETA 30 weeks from order
all other items ETA July 31st

Variance 3: _____

Variance 4: _____

Variance 5: _____

Variance 6: _____

Variance 7: _____

Variance 8: _____

COMPLETE FOR BID

DEVIATION FORM

All deviations from the requirements of this Request for Bids must be noted on this Deviation Form. In the absence of any entry on this Form, the prospective Bidder assures OWNER of their full agreement and compliance with the Specifications, Terms, and Conditions herein.

Each Proposal submitted in response to this Request for Bids shall contain a copy of this Deviation Form, which states the prospective BIDDER's commitment to the provisions in the Specifications. An individual authorized to execute contracts must sign the Deviation Form. Any exceptions taken to the terms and conditions identified in the Specifications must be expressly stated in the Deviation Form.

Section or Specifi- cation of RFB	Description of Deviation or Exception Taken (add continuation sheet if necessary)
Section 15	Skidsteer Warranty only Available up to 60 months not 72

**THIS DEVIATION FORM MUST BE SIGNED BELOW BY EACH
PROSPECTIVE BIDDER – WHETHER OR NOT THERE ARE DEVIATIONS
LISTED – AND SUBMITTED WITH BIDDER'S PROPOSAL**

West Side Tractor Sales co
Company Name


Authorized Signature

5/8/25
Date

COMPLETE FOR BID

LIST OF REFERENCES

Company Name: City of Sandwich
Address: 144 E Railroad
City, State & Zip: Sandwich IL 60548
Contact Person: Nick Grube
Telephone #: 815-764-5186 Email: _____

Company Name: DeKalb County Highway Dept
Address: 1826 Barber Greene Rd
City, State & Zip: DeKalb IL 60115
Contact Person: Josh Merchant
Telephone #: 815-756-9513 Email: _____

Company Name: City of Sycamore
Address: 308 W State St
City, State & Zip: Sycamore IL 60178
Contact Person: Joe Cusamano
Telephone #: 815-895-3545 Email: _____

Company Name: Village of North Aurora
Address: 25 E State St
City, State & Zip: North Aurora IL 60542
Contact Person: Adam Hackoe
Telephone #: 630-897-8228 Email: _____

Company Name: Village of Hampshire
Address: 234 S State St
City, State & Zip: Hampshire IL 60140
Contact Person: Dave Storett
Telephone #: 847-683-2181 Email: _____

**COMPLETE FOR BID
DBE UTILIZATION PLAN**

The DBE goal for this project has been established as 0.0%. The Vendor hereby commits to a minimum of 0 DBE utilization on this contract and also submits documentation, as an attachment, demonstrating good faith efforts (GFE).



DBE Utilization Plan



(1) Policy

It is public policy that disadvantaged businesses as defined in 49 CFR Part 26 and the Special Provision shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal or State funds. Consequently, the requirements of 49 CFR Part 26 apply to this contract.

(2) Obligation

The contractor agrees to ensure that disadvantaged businesses as defined in 49 CFR Part 26 and the Special Provision have the maximum opportunity to participate in the performance of contracts or subcontracts financed in whole or in part with Federal or State funds. The contractor shall take all necessary and reasonable steps in accordance with 49 CFR Part 26 and the Special Provision to ensure that said businesses have the maximum opportunity to compete for and perform under this contract. The contractor shall not discriminate on the basis of race, color, national origin or sex in the award and performance of contracts.

(3) Project and Bid Identification

Complete the following information concerning the project and bid:

Route	
Section	
Project	
County	
Letting Date	
Contract Number	
Letting Item Number	

Total Bid	
Percent	Dollar Amount
Contract DBE Goal	

(4) Assurance

I, acting in my capacity as an officer of the undersigned bidder (or bidders if a joint venture), hereby assure the Department that on this project my company : (check one)

- ☐ Meets or exceeds contract award goals and has provided documented participation as follows:

Disadvantaged Business Participation _____ percent

Attached are the signed participation statements, forms SBE 2025, required by the Special Provision evidencing availability and use of each business participating in this plan and assuring that each business will perform a Commercially Useful Function in the work of the contract.

- ☐ Failed to meet contract award goals and has included Good Faith Effort documentation to meet the goals and that my company has provided participation as follows:

Disadvantaged Business Participation _____ percent

Attached is all information required by the Special Provision including Good Faith Efforts. Also attached are the signed participation statements, forms SBE 2025, required by the Special Provision evidencing availability and use of each business participating in this plan and assuring that each business will perform a Commercially Useful Function in the work of the contract. are participation statements for firms that are participating to the extent of the above percentages.

Company	Title	
By	Date	

The "as read" Low Bidder is required to comply with the Special Provision. Submit only one utilization plan for each project. The utilization plan shall be submitted in accordance with the special provision.

Bureau of Small Business Enterprises
2300 South Dirksen Parkway
Springfield, Illinois 62764

Local Let Projects:
Submit forms to the:
Local Agency

The Department of Transportation is requesting disclosure of information that is necessary to accomplish the purpose as outlined under State and Federal law. Disclosure of this information is REQUIRED. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Forms Manager Center.

Printed 03/27/23

SBE 2026 (Rev. 08/22/19)

COMPLETE FOR BID
DBE PARTICIPATION STATEMENT



DBE Participation Statement

Subcontractor Registration Number _____

Letting _____

Participation Statement

Item No. _____

(1) Instructions

Contract No. _____

This form must be completed for each disadvantaged business participating in the Utilization Plan. This form shall be submitted in accordance with the special provision and will be attached to the Utilization Plan form. If additional space is needed complete an additional form for the firm. Trucking participation items; description must list what is anticipated towards goal credit.

(2) Work:

Please indicate: J/V _____ Manufacturer _____ Supplier (60%) _____ Subcontractor _____ Trucking _____

Pay Item No.	Description (Anticipated items for trucking)*	Quantity	Unit Price	Total
				\$ 0.00
				\$ 0.00
				\$ 0.00
				\$ 0.00
				\$ 0.00
				\$ 0.00
Total				

(3) Partial Payment Items (For any of the above items which are partial pay items)

Description must be sufficient to determine a Commercially Useful Function, specifically describe the work and subcontract dollar amount:

*Applies to trucking only

(4) Commitment

When a DBE is to be a second-tier subcontractor, or if the first-tier DBE subcontractor is going to be subcontracting a portion of its subcontract, it must be clearly indicated on the DBE Participation Statement, and the details of the transaction fully explained.

In the event a DBE subcontractor second-tiers a portion of its subcontract to one or more subcontractors during the work of a contract, the prime must submit a DBE Participation Statement, with the details of the transaction(s) fully explained.

The undersigned certify that the information included herein is true and correct, and that the DBE firm listed below has agreed to perform a commercially useful function in the work of the contract item(s) listed above and to execute a contract with the prime contractor or 1st Tier subcontractor. The undersigned further understand that no changes to this statement may be made without prior approval from the Department's Bureau of Small Business Enterprises and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.

Signature for Contractor ___ 1st Tier ___ 2nd Tier

Signature for DBE Firm ___ 1st Tier ___ 2nd Tier

Date _____

Date _____

Contact Person _____

Contact Person _____

Title _____

Title _____

Firm Name _____

Firm Name _____

Address _____

Address _____

City/State/Zip _____

City/State/Zip _____

Phone _____

Phone _____

Email Address _____

Email Address _____

The Department of Transportation is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under the state and federal law. Disclosure of this information is REQUIRED. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Forms Management Center.

E _____
WC _____

Printed 3/27/23

SBE 2025 (Rev. 03/23/15)

COMPLETE FOR BID

STEEL PRODUCTS PROCUREMENT ACT (30 ILCS 565)

As a matter of bid responsiveness, the Bidder or Offeror must complete, sign, date, and submit this certification statement with their proposal. The Bidder or Offeror must indicate how they intend to comply with 30 ILCS 565 Steel Products Procurement Act by selecting one on the following certification statements. These statements are mutually exclusive. Bidder must select one or the other (not both) by inserting a checkmark (✓) or the letter "X".

- ☒ The Bidder or Offeror hereby certifies that it will comply with 30 ILCS 565 by:
- a) Only installing steel products manufactured or produced in the United States per 30 ILCS 565, and will follow all regulations outlined in 30 ILCS 565.


By selecting this certification statement, the Bidder or Offeror agrees:

1. To provide to the Owner evidence that documents the source and origin of the steel product.
2. To faithfully comply with providing US domestic product.
3. To furnish US domestic product for any waiver request that the State of Illinois rejects.
4. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the State of Illinois determines justified.

- ☐ The Bidder or Offeror hereby certifies it cannot comply with the 30 ILCS 565 Steel Products Procurement Act. By selecting this certification statement, the apparent Bidder or Offeror with the apparent low bid agrees:
1. To submit to the Owner within 15 calendar days of the bid opening, a formal waiver request and required documentation that support the waiver being requested.
 2. That failure to submit the required documentation within the specified timeframe is cause for a non-responsive determination may result in rejection of the proposal.
 3. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the State of Illinois determines justified.

5/8/25
Date

West Side Tractor Sales Co
Company Name


Signature

Territory Rep
Title

COMPLETE FOR BID

BID BOND

BIDDER (Name and Address):

West Side Tractor Sales Co
3300 Ogden Ave
Lisle IL 60532

SURETY (Name and Address):

Selective Ins Co of America
400 Wantage Ave #
Boroughville NJ 07890

OWNER (Name and Address):

DeKalb Taylor Municipal Airport
3232 Pleasant St
DeKalb IL 60115

BID

BID DUE DATE: 5/9/25

PROJECT (Brief Description Including Location):

Snow Removal Equipment

BOND

BOND NUMBER: Bid Bond

DATE (Not later than Bid due date): 5/9/2025

PENAL SUM: up to \$10,000,000 Dollars up to Ten million Dollars
(Words) (Figures)

IN WITNESS WHEREOF, Surety and Bidder, intending to be legally bound hereby, subject to the terms printed on the reverse side hereof, do each cause this Bid Bond to be duly executed on its behalf by its authorized officer, agent, or representative.

BIDDER

SURETY

(Seal)
Bidder's Name and Corporate Seal

(Seal)
Surety's Name and Corporate Seal

By: _____
Signature and Title

By: _____
Signature and Title
(Attach Power of Attorney)

Attest: _____
Signature and Title

Attest: _____
Signature and Title

- Note: (1) Above addresses are to be used for giving required notice.
(2) Any singular reference to Bidder, Surety, OWNER, or other party shall be considered plural where applicable.

Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

Bid Bond

CONTRACTOR:

(Name, legal status and address)

West Side Tractor Sales Company
3300 Ogden Avenue
Lisle, IL 60532

OWNER:

(Name, legal status and address)

Dekalb Taylor Municipal Airport
3232 Pleasant Street
DeKalb, IL 60115

SURETY:

(Name, legal status and principal place of business)

Selective Insurance Company of America
40 Wantage Avenue
Branchville, NJ 07890
Mailing Address for Notices
1411 Opus Place, Suite 450
Downers Grove, IL 60515

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

BOND AMOUNT: \$ 5% Five Percent of Amount Bid

PROJECT:

(Name, location or address, and Project number, if any)

ACQUIRE SNOW REMOVAL EQUIPMENT (SRE):

ONE (1) WHEEL LOADER WITH BUCKET, ONE (1) WHEEL LOADER BROOM ATTACHMENT; ONE (1) SKID-STEER LOADER, ONE (1) SKID-STEER LOADER BROOM ATTACHMENT, ONE (1) SKID-STEER LOADER BOX PLOW ATTACHMENT

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 9th day of May, 2025


(Witness)


(Witness) Lisa Marotta

West Side Tractor Sales Company

(Principal)

(Seal)

By:

(Title)

President

Selective Insurance Company of America

(Surety)

(Seal)

By:

(Title)

James I. Moore

Attorney-in-Fact



State of IL
County of DuPage

SURETY ACKNOWLEDGEMENT (ATTORNEY-IN-FACT)

I, Lisa Marotta Notary Public of DuPage County, in the State of IL,

do hereby certify that James I. Moore Attorney-in-Fact, of the Selective Insurance

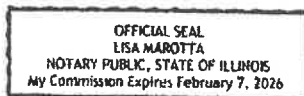
Company of America who is personally known to me to be the same person whose


name is subscribed to the foregoing instrument, appeared before me this day in person, and

acknowledged that he signed, sealed and delivered said instrument, for and on behalf of the

Selective Insurance Company of America for the uses and purposes therein set forth.

Given under my hand and notarial seal at my office in the City of Downers Grove in
said County, this 9th day of May, 2025.




Notary Public Lisa Marotta
My Commission expires: February 7, 2026

SELECTIVE
BE UNIQUELY INSURED™

Selective Insurance Company of America
40 Wantage Avenue
Branchville, New Jersey 07890
973-948-3000

Bond No: Bid Bond
Principal: West Side Tractor Sales Company
Obligee: Dekalb Taylor Municipal Airport

POWER OF ATTORNEY

SELECTIVE INSURANCE COMPANY OF AMERICA, a New Jersey corporation having its principal office at 40 Wantage Avenue, in Branchville, State of New Jersey ("SICA"), pursuant to Article VII, Section 1 of its By-Laws, which state in pertinent part:

The Chairman of the Board, President, Chief Executive Officer, any Executive Vice President, any Senior Vice President or any Corporate Secretary may, from time to time, appoint attorneys in fact, and agents to act for and on behalf of the Corporation and they may give such appointee such authority, as his/her certificate of authority may prescribe, to sign with the Corporation's name and seal with the Corporation's seal, bonds, recognizances, contracts of indemnity and other writings obligatory in the nature of a bond, recognizance or conditional undertaking, and any of said Officers may, at any time, remove any such appointee and revoke the power and authority given him/her.

does hereby appoint: James I. Moore

Downers Grove, IL

, its true and lawful attorney(s)-in-fact, full authority to execute on SICA's behalf fidelity and surety bonds or undertakings and other documents of a similar character issued by SICA in the course of its business, and to bind SICA thereby as fully as if such instruments had been duly executed by SICA's regularly elected officers at its principal office, in amounts or penalties not exceeding the sum of: **NO ONE BOND TO EXCEED TEN MILLION (\$10,000,000.00)**

Signed this 9th day of May, 2025

SELECTIVE INSURANCE COMPANY OF AMERICA

By: 

Brian C. Sarisky

Its SVP, Chief Underwriting Officer, Commercial



STATE OF NEW JERSEY :

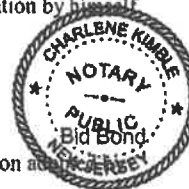
:ss. Branchville

COUNTY OF SUSSEX :

On this 9th day of May, 2025 before me, the undersigned officer, personally appeared Brian C. Sarisky, who acknowledged himself to be the Sr. Vice President of SICA, and that he, as such Sr. Vice President, being authorized so to do, executed the foregoing instrument for the purposes therein contained, by signing the name of the corporation by himself as Sr. Vice President and that the same was his free act and deed and the free act and deed of SICA.




Notary Public



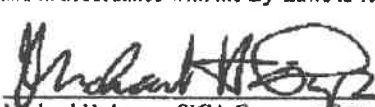
The power of attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of SICA at a meeting duly called and held on the 6th of February 1987, to wit:

"RESOLVED, the Board of Directors of Selective Insurance Company of America authorizes and approves the use of a facsimile corporate seal, facsimile signatures of corporate officers and notarial acknowledgements thereof on powers of attorney for the execution of bonds, recognizances, contracts of indemnity and other writing obligatory in the nature of a bond, recognizance or conditional undertaking."

CERTIFICATION

I do hereby certify as SICA's Corporate Secretary that the foregoing extract of SICA's By-Laws and Resolutions are in full force and effect and this Power of Attorney issued pursuant to and in accordance with the By-Laws is valid.

Signed this 9th day of May, 2025


Michael H. Lanza, SICA Corporate Secretary



CERTIFIED COPY

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to pay to OWNER upon default of Bidder the penal sum set forth on the face of this Bond.
2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by OWNER) the executed Agreement required by the Bidding Documents and any performance and payment Bonds required by the Bidding Documents.
3. This obligation shall be null and void if:
 - 3.1. OWNER accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by OWNER) the executed Agreement required by the Bidding Documents and any performance and payment Bonds required by the Bidding Documents, or
 - 3.2. All Bids are rejected by OWNER, or
 - 3.3. OWNER fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by paragraph 5 hereof).
4. Payment under this Bond will be due and payable upon default by Bidder and within 30 Calendar Days after receipt by Bidder and Surety of written notice of default from OWNER, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.
5. Surety waives notice of and any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by OWNER and Bidder, provided that the total time for issuing Notice of Award including extensions shall not in the aggregate exceed 180 days from Bid due date without Surety's written consent.
6. No suit or action shall be commenced under this Bond prior to 30 Calendar Days after the notice of default required in paragraph 4 above is received by Bidder and Surety and in no case later than one year after Bid due date.
7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the State of Wisconsin.
8. Notices required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier or by United States Registered or Certified Mail, return receipt requested, postage pre-paid, and shall be deemed to be effective upon receipt by the party concerned.
9. Surety shall cause to be attached to this Bond a current and effective Power or Attorney evidencing the authority of the officer, agent or representative who executed this Bond on behalf of Surety to execute, seal and deliver such Bond and bind the Surety thereby.
10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.
11. The term "Bid" as used herein includes a Bid, offer or proposal as applicable.

CONTRACT AGREEMENT

KNOW ALL PERSONS BY THESE PRESENTS of this agreement entered into this _____ day of _____, 2025, by and between Dekalb Taylor Municipal Airport, a body politic and corporate, hereinafter referred to as the "OWNER", and _____ hereinafter referred to as the "VENDOR" in these contract documents.

WITNESSETH

WHEREAS, the OWNER did advertise by bid for:

Airport improvement to include:

Base Bid - Snow Removal Equipment (SRE): ONE (1) WHEEL LOADER WITH BUCKET, ONE (1) WHEEL LOADER BROOM ATTACHMENT; ONE (1) SKID-STEER LOADER, ONE (1) SKID-STEER LOADER BROOM ATTACHMENT, ONE (1) SKID-STEER LOADER BOX PLOW ATTACHMENT

ADDITIVE ALTERNATE #1 DESCRIPTION:

ONE (1) 84-INCH SNOW BLOWER FOR SKID STEER

**(Herein referred to as "Snow Removal Equipment")
for Dekalb Taylor Municipal Airport, Dekalb, IL.**

WHEREAS, the VENDOR did underdate of _____ submit a bid for such work; and

WHEREAS, after due consideration of all the bids, the OWNER did award the Contract to the VENDOR.

NOW THEREFORE, in consideration of the mutual promises made by each party to the other, the parties covenant and agree as follows:

1. Work

The VENDOR will furnish all Snow Removal Equipment in compliance with the specifications (herein referred to as "Contract Documents") of which this Agreement is a part.

All Snow Removal Equipment shall be supplied in strict conformance with the provisions of this Agreement the Invitation to Bid, Instructions to Bidders, Supplementary Provisions, Special Terms and Conditions, Contract Agreement, Bond Forms and Technical Specifications which are attached hereto and shall be considered a part of this Agreement.

The restatement in this Contract of any of the terms of said Contract Documents and Standard Specifications shall not be deemed to wave any terms not as restated.

2. Warranty

The VENDOR agrees to warranty all Snow Removal Equipment in compliance with the Contract Documents. Any such defects in design, material, and workmanship that occur within the stated warranty period shall be the responsibility of the VENDOR. It is agreed that all warranty claims shall be considered valid or eligible from written date of final acceptance to the warranty expiration date as determined by the Contract Documents.

3. Contract Price

It is agreed that the Snow Removal Equipment in the "Bid Forms" in the VENDOR's Proposal Section of the Contract Documents will be used as the basis for determining the amount due under this Contract Agreement. The amount due under this Agreement so determined is:

\$_____ hereinafter referred to as the Contract Price.

Said amount is based on the price(s) stated in VENDOR'S Bid Proposal, which is attached to and made a part of this Agreement.

4. Payment

Upon the completion, delivery, and acceptance of the Snow Removal Equipment by the OWNER, all sums due the VENDOR by reason of faithful performance of the work, taking into consideration additions to or deductions from the Contract price by reason of alterations or modifications of the original Contract or by reason of "Extra Work" authorized under this Contract, will be paid to the VENDOR by the OWNER after said completion and acceptance.

The acceptance of final payment by the VENDOR shall be considered as a release in full of all claims against the OWNER, arising out of, or by reason of, the work completed, and materials furnished under this Contract.

5. Contract Time

The VENDOR agrees to commence work within ten (10) calendar days of the date specified in the OWNER'S Notice-to-Proceed. VENDOR further agrees to deliver all Snow Removal Equipment within **190 Calendar Days** of the date specified and or as approved as noted in the variances and deviations in the OWNER's Notice-to-Proceed.

It is expressly understood and agreed that the stated Contract Time is reasonable for the completion of the Work, taking all factors into consideration. Furthermore, extensions of the Contract Time may only be permitted by execution of a formal modification to this Contract Agreement in accordance with the General Provisions and as approved by the OWNER.

6. Liquidated Damages

The VENDOR and OWNER understand and agree that time is of the essence for completion of the work and that the OWNER will suffer additional expense and financial loss if said work is not completed within the authorized contract time. Furthermore, the VENDOR and OWNER recognize and understand the difficulty, delay and expense in establishing the exact amount of actual financial loss and additional expense. Accordingly, in place of requiring such proof, the VENDOR expressly agrees to pay the OWNER non-penal amounts as liquidated damages **\$500.00** for each calendar day the snow removal equipment remains undelivered (or in a nonoperational condition in all respects in) to the Airport after the delivery date

Furthermore, the vendor understands and agrees that;

The OWNER has the right to deduct from any monies due the VENDOR the amount of said liquidated damages.

7. VENDOR'S Representations

The VENDOR understands and agrees that all representations made by the VENDOR within the Proposal shall apply under this Agreement as if fully rewritten herein.

8. VENDOR'S Certifications

The VENDOR understands and agrees that all certifications made by the VENDOR within the Proposal shall apply under this Agreement as if fully rewritten herein.

9. Miscellaneous

- a. VENDOR understands that it shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction in connection with completion of the Work;

- b. VENDOR understands and agrees that it shall not accomplish any work or furnish any materials that are not covered or authorized by the Contract Documents unless authorized in writing by the OWNER;
- c. The rights of each party under this Agreement shall not be assigned or transferred to any other person, entity, firm, or corporation without prior written consent of both parties;
- d. OWNER and VENDOR each bind itself, their partners, successors, assigns and legal representatives to the other party in respect to all covenants, agreements, and obligations contained in the Contract Documents.

IN WITNESS WHEREOF, the said Dekalb Taylor Municipal Airport has caused this Contract to be signed and sealed in its corporate name by the OWNER, respectively, being duly authorized, and _____

has caused this Contract to be signed and sealed in its corporate name by,

_____ its _____ ,
being duly authorized, the day and year first written above at _____ .

IN WITNESS WHEREOF, OWNER and VENDOR have executed three (3) copies of this Agreement on the day and year first noted herein

OWNER: Dekalb Taylor Municipal Airport

By _____

Name: _____

Title: _____

VENDOR: _____

By _____

Name _____

Title _____

(Seal)

ATTEST

By: _____
Signature

Title

ATTEST

By: _____
Signature

Title

TECHNICAL DOCUMENTS

PROCUREMENT SPECIFICATION SNOW REMOVAL EQUIPMENT (SRE): WHEEL LOADER AND BUCKET

1. SCOPE

This specification covers requirements for an airport snow removal equipment (SRE) dedicated wheel loader and bucket for airfield snow removal purposes. The airport sponsor requires this specified piece of equipment in order to maintain the airfield during large and small snow events. It will be the central and critical element in the effort to accomplish the airport's published snow plan. Considerations can be found in this specification.

2. REFERENCES

2.1 Applicable Documents

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

SAE J931	Hydraulic Fluid Power Circuit Filtration - Application & Methods
SAE J1292	Automobile and Motor Coach Wiring
SAE J1503	Performance Test for Air-Conditioned, Heated, and Ventilated Off-Road, Self-Propelled Work Machines

2.1.2 FAR & FAA Publications

Available from Federal Aviation Administration, 800 Independence Avenue, SW, Washington, DC 20591, Tel: 866-835- 5322, www.faa.gov.

AC 150/5200-30D	Airport Field Condition Assessment and Winter Operations Safety
AC 150/5210-5D	Painting, Marking, and Lighting of Vehicles Used on an Airport
AC 150/5220-18A	Buildings for Storage and Maintenance of Airport Snow and Ice Control Equipment and Materials

2.1.3 FMCSR Publications

Available from Federal Motor Carrier Safety Administration, 1200 New Jersey Avenue SE, Washington, DC 20590, Tel: 1-800-832-5660, www.fmcsa.dot.gov.

Title 49, Chapter III, Subchapter B-Federal Motor Carrier Safety Regulations

2.1.4 Latest release of Federal Spec 297, Rustproofing of Commercial (Nontactical) Vehicles

2.1.5 RTCA Publications

Available from RTCA, Inc., 1150 18th Street, NW, Suite 910, Washington, DC 20036, Tel: 202-833-9339, www.rtca.org.

RTCA DO-186 Minimum Performance Standards for Airborne Radio Communications Equipment Operating Within the Radio Frequency Range 117.975 - 137.000 MHz

2.1.6 FMVSS - Federal Motor Vehicle Safety Standards

3. INTENT

The practical concept is that a single operator can operate this wheel loader and various attachments to clean the pavement surface from snow and ice to bare pavement. The wheel loader should conform to the manufacturer's performance recommendations and be suitable for mounting all specified accessories.

4. BASIS OF DESIGN

- 4.1 The wheel loader with bucket shall meet or exceed the design intent of this specification. Any equivalent brand or model from any equipment manufacturer shall be acceptable as long as it meets the minimum requirements of this specification.

This specification minimum requirements were established based on the design intent of the following system(s):

- John Deere 724 P Wheel Loader and Bucket

5. TECHNICAL REQUIREMENTS

5.1 General Description – Standard Production Model Wheel Loader

The SRE wheel loader shall consist of a new, standard production model wheel loader with an enclosed cab and front mounted loader arms with the ability to connect to different loader attachments. Loader must be equipped with at least 3rd and 4th function auxiliary hydraulics high and standard flows to accommodate additional attachments as noted within this document.

Properly fitted wheel loaders can provide the necessary tools and power for snow removal and ice control equipment to move snow, slush, ice, and other debris from airfield pavement during winter operations. The wheel loader attachments to be included in this procurement shall include a standard wheel loader bucket and a loader mounted power broom (see power broom specification).

The wheel loader must have a minimum static weight of 43,500 lbs.

5.2 Minimum Performance Requirements

5.2.1 Engine

The wheel loader shall have a standard production diesel engine with a minimum 9.0 litre displacement and rated engine power of 275 HP at 2,000 RPM. The equipment

shall have the ability to remove snow, ice, slush, sand, and other debris at speeds of 5-20 MPH.

5.2.2 Transmission

The design of this unit shall ensure positive tire-to-ground tractive effort while operating. The wheel loader shall be equipped with mechanical front-wheel drive and power steering. The wheel loader shall have a steering column mounted power shuttle for frequent forward-reverse shifting. The wheel loader shall have electrohydraulic differential controls, front and rear locking differentials, wheel spin control with hydraulic wet disc type brakes.

5.2.3 Hydraulics

The wheel loader shall be equipped with joystick controls for operation of the wheel loader and associated attachment(s). The wheel loader's hydraulic system shall be designed and sized no less than 82 gallons per minute to meet wheel loader operation requirements and any attachments.

5.2.4 Tires

The wheel loader tires shall be rated and sized per the manufacturer's standard. Tire tread shall be adequate for on pavement winter operations and for turf summer operations.

5.2.5 Cold Weather Considerations

The wheel loader shall be provided with provisions for cold weather operations, allowing the wheel loader to be stored, started, and operated in temperatures of at least -20° F. The ability to start the wheel loader in cold weather conditions is paramount for the Airport's snow removal operations.

5.2.6 Fuel Capacity

The wheel loader shall be provided with a minimum fuel capacity of 92 gallons.

5.3 Exterior Features

5.3.1 Exterior Lighting

The wheel loader shall be fitted with a premium LED work light package designed to provide adequate lighting to facilitate a 360-degree coverage of visibility of the work area in low light conditions. In addition to the premium work light package, standard headlight, brake, turn, hazard, and tail lighting shall be provided on the wheel loader.

5.3.2 FAA Required Specialty Lighting

The wheel loader shall be equipped with at least one (1) yellow flashing light mounted on the uppermost part of the wheel loader cab. All identification lights shall be in accordance with the most recent edition of FAA Advisory Circular AC 150/5210 *Painting, Marking, and Lighting of Vehicles used on an Airport*.

5.3.3 Rear View Mirrors

The wheel loader shall be fitted with mirrors mounted to the exterior of the wheel loader cab. Mirrors shall be positioned to provide adequate visibility for the rear work

area of the wheel loader while the operator is facing in the forward direction.

5.3.4 Fenders

The wheel loader shall be supplied with both front and rear fenders to minimize the amount of snow thrown at the cab from the tires. Fenders shall be secured to the wheel loader in a manner that does not interfere with normal steering or loader operations.

5.3.5 Cab Glass

The wheel loader shall be provided with an enclosed cab. The cab glass shall conform to the following:

- a. Front windshield, door, side, and back windows shall be arranged to provide a panoramic view of the work area.
- b. Wheel loader cab glass shall be tinted.

5.3.6 Windshield Wipers

The wheel loader shall be provided with adequate wipers and windshield washer system to ensure clear visibility in adverse weather conditions.

5.3.7 Cab Access

Steps and handrails shall be used to provide access to the cab, maintenance areas, operation areas, or other areas of the equipment. These steps, together with assist handles, shall be of ample size to ensure safe and easy access for persons wearing bulky winter clothing. Handrails shall be made of corrosion-resistant materials or otherwise treated to prevent corrosion.

5.3.8 Cab Clearance Height

Wheel Loader overall cab clearance height shall not exceed 11 feet, 5 inches.

5.4 Interior Features

5.4.1 Operator Control Station Features

The Operator Control Station (OCS) shall be ergonomically designed and fitted with all the controls and operator interfaces to permit the optimum environment to operate the wheel loader and wheel loader attachment(s) in a safe and conducive manner.

An integrated joystick shall be provided for loader operation and directional control of related bucket or snow blower attachments. At a minimum, the directional controls shall allow for raise/lower of loader arms and forward/backward tilting of attachment.

Instrumentation shall be per standard production models, typically centered in front and to the righthand side of the primary operator and shall be positioned to minimize interruption of operator visibility.

5.4.2 Seating

The operator seat shall be air suspended, heated and ventilated, and constructed of premium quality materials, standard to typical production models. Consideration should be given to the maneuverability of the seat in relation to tasks to be performed

by specified attachments.

5.4.3 Heat, Defrost and Conditioned Air

The wheel loader cab shall be fitted with an integral high-output, fresh air type heater/defroster/air conditioner with multi-speed fan motors. A refrigerant charged air conditioner system shall be incorporated as a device to cool the cab for warm weather operation, to control in-cab humidity, and to control misting of the interior glass.

5.4.4 Communications

The wheel loader shall be wired for the installation of a new two-way radio. This may include but is not limited to a master connection point for multiple radios, continuous duty relays, coax cables, conduit, and antennas.

6. ADDITIONAL ITEMS

6.1 Loader Bucket

The wheel loader shall be provided with a 120 inch wide bucket with minimum 4.75 cubic yard capacity that is compatible with the wheel loader system. The bucket shall be constructed of heavy gauge steel with a replaceable bolt on cutting edge. Once attached, the bucket shall have a locking mechanism to ensure a positive connection to the wheel loader.

6.2 Power Broom

See specification for wheel loader mounted hydraulic broom attachment.

7. FINISH AND PAINT

The complete unit and all attachments shall be painted per manufacturers standard production paint colors.

All surfaces requiring paint shall be properly prepared prior to primer and finish paint. It is recommended that all steel components be prepared by shot blasting to remove all rust and mill scale. This should include an anti-corrosion chemical treatment followed by painting with high solid content/low VOC commercial type automotive primer and minimum two coats of a polyurethane enamel, acrylic enamel, acrylic urethane, or similar high durability, long life paint. Finish processes such as industrial powder coating shall be acceptable.

The finished paint shall be free of "fisheye," "orange peel," chips, runs, or other imperfections that detract from the equipment's corrosion resistance and appearance.

7.1 Rust Proofing and Corrosion Protection

The rust proofing and corrosion protection shall be per the manufacturers standard and is required for the unit. Items to be treated for rust proofing and corrosion protection shall include but not be limited to the following: moldings, fenders, doors, panel wells, underside of cab floor, interior cab floor, etc.

8. TECHNICAL PUBLICATIONS

The manufacturer shall furnish two complete sets of manuals: one in hardcopy form and one in electronic format. The set of manuals shall consist of:

- Operation, Maintenance, and Troubleshooting manual
- Supplied equipment manual.
- Parts manual identifying every part on the unit both in parts list form and exploded view or schematic form in the case of electrical and hydraulic.

9. DELIVERY, START-UP, AND TRAINING

The unit shall be fully assembled and tested prior to delivery. The vendor (seller) is responsible for the safe and timely delivery of the wheel loader, attachments, spare parts, and tools as agreed upon in the contractual purchasing agreement.

The manufacturer shall, at no additional cost, furnish the services of trained personnel to the purchaser at a time and place agreed to by all parties. A qualified factory representative shall fully install, start-up, and test the unit prior to training. Training shall be performed by a factory trained and authorized technician. The training shall be performed at the customer's site and shall be 6 hours for operators training and an additional 6 hours for mechanics training (mechanics shall attend the operating training first). The purpose of this training is to review safe and effective procedures for use and maintenance of the machine, review and test all systems, assure the full function for safe operation of the machine.

10. WARRANTY

At a minimum, the equipment provided shall be warranted against defective materials, workmanship, and performance deficiencies for a minimum period of 72 months or 3000 hours whichever occurs first. The warranty period shall commence at the official in-service date, which shall be mutually agreed upon by the seller and the purchaser.

Manufacturers shall be required to submit their complete warranty statement with the quotation package. This shall entail warranty for all components and subsystems covered, the duration periods, pro-rated items and clearly identifying all items considered to be non-warranted wear items.

11. REPORTS AND DOCUMENTATION

The following reports shall be provided upon delivery of each item/unit.

11.1 Main Component List

The manufacturer shall provide a dedicated (by VIN) component list for each unit delivered. The component list shall be itemized and list each main system component. The list shall include but not be limited to items such as engine(s), transmission, main hydraulic system components, drive gear boxes, axles, brakes, alternators, batteries, belts, and filters, etc. The list shall provide the description, manufacturer, part number, and quantity required. The serial number of the engine, transmission, drive gear boxes and axles installed on the subject machine shall be provided.

12. MISCELLANEOUS

12.1 Accessories and Tools

The wheel loader shall be equipped with the following tools and accessories. They shall be mounted in a secure and readily accessible location that is permanently affixed to the wheel loader.

- 1) Fire Extinguisher. A standard fire extinguisher shall be provided with the wheel loader and shall be located inside the wheel loader cab in an easy and quickly deployable location.

**END OF SNOW REMOVAL EQUIPMENT (SRE):
WHEEL LOADER AND BUCKET SPECIFICATION**

PROCUREMENT SPECIFICATION SNOW REMOVAL EQUIPMENT (SRE): WHEEL LOADER MOUNTED BROOM ATTACHMENT

1. SCOPE

This specification covers requirements for an airport Snow Removal Equipment (SRE) rotary plow with carrier vehicle for airfield snow removal purposes. The airport sponsor requires this specified piece of equipment in order to maintain the airfield during large and small snow events. Carrier vehicle considerations can be found in this specification and related appendix of this document as in accordance with AC 150/5220-20A, *Airport Snow and Ice Control Equipment*.

2. REFERENCES

2.1 Applicable Documents

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

SAE J931	Hydraulic Fluid Power Circuit Filtration - Application & Methods
SAE J1503	Performance Test for Air-Conditioned, Heated, and Ventilated Off-Road, Self-Propelled Work Machines

2.1.2 FAR & FAA Publications

Available from Federal Aviation Administration, 800 Independence Avenue, SW, Washington, DC 20591, Tel: 866-835- 5322, www.faa.gov.

AC 150/5200-30D	Airport Field Condition Assessment and Winter Operations Safety
AC 150/5210-5D	Painting, Marking, and Lighting of Vehicles Used on an Airport
AC 150/5220-18A	Buildings for Storage and Maintenance of Airport Snow and Ice Control Equipment and Materials

2.1.3 FMCSR Publications

Available from Federal Motor Carrier Safety Administration, 1200 New Jersey Avenue SE, Washington, DC 20590, Tel: 1-800-832-5660, www.fmcsa.dot.gov.

Title 49, Chapter III, Subchapter B-Federal Motor Carrier Safety Regulations

2.1.4 Latest release of Federal Spec 297, Rustproofing of Commercial (Nontactical) Vehicles

2.1.5 RTCA Publications

Available from RTCA, Inc., 1150 18th Street, NW, Suite 910, Washington, DC 20036, Tel: 202-833-9339, www.rtca.org.

RTCA DO-186 Minimum Performance Standards for Airborne Radio Communications Equipment Operating Within the Radio Frequency Range 117.975 - 137.000 MHz

2.1.6 FMVSS - Federal Motor Vehicle Safety Standards

3. INTENT

1.1 This high speed airport broom will be primarily used in the sweeping and cleaning of snow, slush, and ice from airport runway, taxiway, and ramp areas. All items of design and equipment not listed in these specifications, but involved in carrying out their intent, are required to be furnished the same as if these items were specifically mentioned and described in these specifications. The practical concept is that a single operator can operate this airport broom and wheel loader simultaneously to clean the pavement surface from snow, slush, and ice to bare pavement

4. BASIS OF DESIGN

4.1 The high speed airport broom shall meet or exceed the design intent of this specification. Any equivalent brand or model from any equipment manufacturer shall be acceptable as long as it meets the minimum requirements of this specification.

This specification minimum requirements were established based on the design intent of the following system(s):

- Mb FMC – Front Loader Mount Hydraulic Drive Broom 168-inch wide (14') effective sweeping width.

5. TECHNICAL REQUIREMENTS

5.1 General Description

The broom shall have the ability to remove snow, ice, slush, sand and other debris at the rated speed, capacity, and conditions per the following:

- Broom configuration: Front mount compatible with referenced wheel loader
- Brush swept path: 14.0 feet
- Flow Range (Min-Max): 40-60 GPM
- Maximum Articulation: 30°
- Brush diameter: 36 inches
- Bristle type & configuration: Wafer, Flat, 50/50 Poly & Wire

Components shall be new, unused, of current production to the satisfaction of the purchaser. They shall be free of all defects and imperfections that could affect the serviceability of the finished product. Components should be readily accessible for repair and replacement, with minimal removal or disturbance to adjacent parts or components. Designs must use components within their rated values. Parts which are exposed to wear shall be capable of being replaced. Regular maintenance and servicing should be readily accomplished under normal working conditions.

All broom components shall be designed to provide continuous service under difficult working conditions in -20 degrees F to +100 degrees F weather conditions without degradation of performance. The broom shall be designed to allow bristles to be easily replaced once worn or damaged. When mounted on a wheel loader, no components of the broom shall interfere with the servicing and maintenance of the wheel loader.

5.2 Broom Chassis Platform

5.3 Broom Hitch

The broom hitch shall be capable of sustaining all loads imposed during operation. It shall provide low friction and free flotation for the brush head for bounce and skip free operation. It shall allow the brush head to be independent, so the broom chassis does not induce bounce into the brush. The broom hitch shall have the necessary degrees of freedom to follow normal contours in the pavement and to accommodate surface irregularities, while sweeping at the rated speed, without bouncing, skipping, binding, or sustaining damage. The broom oscillation shall provide true flotation left to right for the brush head. It shall have at least 8 degrees (+4, -4) of free-floating oscillation from left to right.

The broom shall be provided with quick disconnects for all hitch, controls, hydraulic hoses/lines, electrical cables, drivelines, and instrumentation allowing for rapid changeover.

5.4 Brush Angle

The brush angling mechanism shall be power actuated and controlled by the operator. The brush shall be capable of swinging 30 degrees left and 30 degrees right from the straight-ahead position. Angling from full right to full left shall not take more than 10 seconds and shall not change the brush pattern. In between full left and full right, the pattern shall not change more than 50%. The resultant swept path of 14.0 ft shall apply for the desired broom head width.

5.5 Brush Pattern Adjustment

An easily adjustable and accessible height adjustment that sets the brush pattern shall be provided. The adjustment, when preset, shall act as a stop for the elevation mechanism allowing repeatable pattern adjustment. A toggle switch near the adjustment for remote brush elevation control and pattern confirmation shall also be provided.

5.6 Brush Head

The brush head frame must sustain the loads imposed by the snow removal capacity of the unit. The brush head shall be hydrostatic drive with infinitely variable speed hydraulic pump(s) and fixed displacement motor(s). If gearboxes are used, they shall be made with precision gears, AGMA 10 rating minimum, and a method for checking

oil level without the use of tools. Hydrostatic motor(s) shall be tightly coupled to the brush core shaft with no looseness in any connection. The connection must be capable of handling the loads imposed by the hydrostatics.

The brush shall be vibration analyzed at final inspection with report on vibration provided upon request.

The brush head shall allow an easy access for core and/or bristle replacement allowing repeatable location of brush centerline alignment during brush core remove and replace operations.

5.7 Brush Hood

The brush hood shall be fabricated from heavy gauge sheet steel or other durable material and securely fastened to the brush frame. It shall shield the top half of the brush completely and shall be non-clog design to prevent snow and ice buildup underneath the hood. It shall provide the necessary quick access to the brush for replacement of bristles and for inspection.

There shall be a device on the front of the hood to strip the snow from the brush, preventing snow carryover from the front of the brush to the back of the brush. It shall be the full length of the brush. The device must be easily adjustable to the brush diameter as the bristles wear.

5.8 Broom Casters

The weight of the brush head shall be supported by swivel caster tire assemblies. They shall be mounted along the rear of the brush frame. The quantity of tires shall be commensurate with the loading from the brush head. The mounting position must be spaced for uniform weight distribution and shall track within the swept path of the brush. The caster tire assembly shall be capable of revolving a full 360 degrees or 270 degrees if the brush head raises automatically when reversing the vehicle. The caster assembly shall not bind or come into contact with the brush or any other surface of the broom throughout their full rotational arc. Loading and operating speed of the broom shall not overload the caster assembly manufactures rating of the entire caster assembly including the tires, wheels, hubs, bearings, and shafts. To keep the caster assembly from shimmying, a shimmy damper device is required for each assembly. The mounting of the tire, wheel, hub, shaft, and bearings must be quick change type for easy change while on the airfield.

5.9 Brush Bristles

The bristles for the brush shall be designed for runway operation and shall withstand the normal operation of the broom. They shall be made with adequate retention to keep the bristle from falling out, fatigue strength to keep them from breaking, and wear resistance for acceptable life. The bristles shall withstand storage temperatures ranging from -60 °F to + 160 °F and operating temperatures ranging from -40 °F to +125 °F, without functional degradation due to the environment.

5.9.1 Wafers, Flat: The bristles shall be fastened in a radial wafer fashion and shall consist of a steel support ring filled with steel wire bristles and polypropylene (poly) bristles. The wafers may be separated by a steel spacer. The wafer bristles shall have an outside diameter of 36 inches.

The support ring for the wafer shall be made of coil steel, minimum thickness 0.048 inch with edge protection to protect bristle from premature wear and breakage. All

joints shall be welded to ensure structural integrity. Each ring shall have steel drive pins to engage the sweeper core. These pins shall have a minimum diameter of 0.250 inch and 0.63 inches long with 0.50 inches of protrusion from the inside of support ring. One of the drive pins shall be installed at the center of overlap of support ring. The 36 inch wafer shall have not less than 4 drive pins spaced at 90 degrees around the inside circumference. Each wafer shall be marked on the ring to indicate the point of maximum static unbalance. The maximum static unbalance for any wafer shall be 50 oz-in.

The wire bristles shall be crimped and made of zinc galvanized drawn steel wire. The bristles shall have a minimum diameter of 0.0165 to 0.0180 inch nominal with minimum tensile strength of 325,000 pounds per square inch (psi). The bristles crimp shall be not less than 3 crimps per inch at amplitude of 1/16 inch minimum. The total weight of the 46 inch wafer shall be 13 pounds minimum.

The poly bristles shall be made from extruded and pulled strands. The material shall be virgin polypropylene with UV inhibitor. Typically, the bristles shall have an oval cross section not less than .060 x .090 inch with minimum tensile strength of 4800 pounds per square inch (psi).

The spacer ring which separates the wafer shall be made of coil steel with a minimum thickness of 0.048 inch. Forming the spacer shall create a flat bottom cross section with a welded overlap end seam to create adequate stiffness and strength to withstand the load imposed.

5.10 Brush Cores

The core shall be bearing supported and may be driven from either end, center, or from both ends. Each core shall be individually dynamically balanced by the manufacture at rated RPM. The bristles on the cores shall be full width to the rated length and replaceable. All steel on steel couplings of the drive and core must be replaceable hardened steel.

- 5.10.1 Wafers: The cores shall be made of tubular steel construction with four hardened steel (163 Brinell hardness minimum) drive bars, equally spaced to center each wafer bristle. The diameter which the four drive bars create must be such that the wafer bristle is easily installed and removed but not to allow movement of the wafer bristle on the core. The diameter of the core must also be industry standard for compatibility of various bristle manufacturers.

5.11 Hydraulic System

The hydraulic system shall consist of appropriate rams, pumps, piping, fittings, valves, controls, fluid reservoirs, filters, coolers, and other parts essential to its full operation. The system shall be capable of hydraulically positioning equipment through the entire range of its design limits. It shall be capable of operating all controls simultaneously without a detrimental reduction in power response

All controls shall be located in the vehicle cab. All hydraulic functions of the broom shall be electric over hydraulic valving. Connectors to the solenoids shall be interlocking type to provide a secure connection, which can withstand normal pressure washing procedures. All positioning functions shall be equipped with a position locking system as necessary to prevent unwanted movement. There shall be no hydraulic lines within the operator station

The system shall be ruggedly constructed and able to withstand all imposed loads.

It shall maintain operating temperatures suitable for all system components throughout normal operating conditions. The hydraulic system shall meet the same low temperature requirements as the engine coolant system.

Filters within the hydraulic system shall conform to the Society of Automotive Engineers (SAE) Information Report, SAE J 931- *Hydraulic Power Circuit Filtration*. Proper filtering shall be done on both the high pressure and low pressure circuits.

All hoses for all systems shall be properly sized and strength to work with the pressure and volume of oil required and have the appropriate temperature ratings for the climate conditions in which they will be used. Only commercial quality hydraulic lines, hoses, and fittings that are capable of withstanding system working pressures under load are acceptable. Hydraulic hoses shall have a bursting pressure of three times their rated working pressure. The use of fittings, joints, and connections shall be kept to a minimum. Where required, hoses should be equipped with quick couplers as necessary to facilitate rapid removal and attachment.

5.12 Controls and Instrumentation

All controls shall be electric over hydraulic type. All instruments and controls shall be labeled in a manner to remain legible for the life of the unit and shall be illuminated. The operator station shall be conveniently mounted in-cab, user friendly and easily accessed by operators wearing heavy winter clothing. Frequently used instruments shall be located in direct line-of-sight and within forearm reach of a medium-sized person sitting in the operator's position. The controls shall allow the operator to direct all functions required to fully operate the equipment.

The operator's control in the chassis cab shall have all the necessary functions to operate the broom and shall have the following:

- System On / off
- Joystick for lift/lower and left/ right swing
- Deflector Up / Down
- Brush On / Off and speed adjustment

5.13 Finish and Paint

The complete unit and all attachments shall be painted per manufacturers standard production paint colors.

All equipment shall be cleaned first, then treated as necessary per coating manufacturer's recommendations with: corrosion inhibitor, primer, putty, sanding, and finally, the finish coating process. The coating of customer specified color shall be applied per the coating manufacturers approved process and shall consist of polyurethane enamel, acrylic enamel, acrylic urethane, or similar high durability, long life coating having a combined thickness per the manufacturer's recommendations.

The finished paint shall be free of "fisheye," "orange peel," chips, runs, or other imperfections that detract from the equipment's corrosion resistance and appearance.

5.14 Technical Publications

The manufacturer shall furnish two complete sets of manuals. One in hardcopy form and one in electronic format. The set of manuals shall consist of:

- Operation, Maintenance, and Troubleshooting manual
- Supplied equipment manual
- Parts manual identifying every part on the unit both in parts list form and exploded view or schematic form in the case of electrical and hydraulic

5.15 Delivery, Start-up, and Training

The unit must be fully assembled and tested prior to delivery. The manufacturer is responsible for the safe and timely delivery of the rotary plow and its accessories, spare parts, and tools to the place of delivery.

The manufacturer shall, at no additional cost, furnish the services of trained personnel to the purchaser at a time and place agreed to by all parties. A qualified factory representative must fully install, start-up, and test the unit prior to training. Training shall be performed by a factory trained and authorized technician. The training shall be performed at the customer's site and shall be 6 hours for operators training and an additional 6 hours for mechanics training (mechanics shall attend the operating training first). The purpose of this training is to review safe and effective procedures for use and maintenance of the machine, review and test all systems, assure the full function of the machine.

5.16 Warranty

The rotary plow equipment provided shall be warranted against defective materials and workmanship for a period of 12 months after the machine is delivered. Warranty includes replacement or repair of defective parts or material and the associated labor to perform the repairs

END OF SNOW REMOVAL EQUIPMENT (SRE): WHEEL LOADER MOUNTED BROOM ATTACHMENT

PROCUREMENT SPECIFICATION SNOW REMOVAL EQUIPMENT (SRE): SKID-STEER LOADER

6. SCOPE

This specification covers requirements for an airport Snow Removal Equipment (SRE) Skid-Steer Loader with bucket for airfield snow removal purposes. The airport sponsor requires this specified piece of equipment in order to maintain the airfield during large and small snow events. Carrier vehicle considerations can be found in this specification and related appendix of this document as in accordance with AC 150/5220-20A, *Airport Snow and Ice Control Equipment*.

7. REFERENCES

7.1 Applicable Documents

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

7.1.1 SAE Publications

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SAE J931	Hydraulic Fluid Power Circuit Filtration - Application & Methods
SAE J1503	Performance Test for Air-Conditioned, Heated, and Ventilated Off-Road, Self-Propelled Work Machines

7.1.2 FAR & FAA Publications

Available from Federal Aviation Administration, 800 Independence Avenue, SW, Washington, DC 20591, Tel: 866-835- 5322, www.faa.gov.

AC 150/5200-30D	Airport Field Condition Assessment and Winter Operations Safety
AC 150/5210-5D	Painting, Marking, and Lighting of Vehicles Used on an Airport
AC 150/5220-18A	Buildings for Storage and Maintenance of Airport Snow and Ice Control Equipment and Materials

7.1.3 FMCSR Publications

Available from Federal Motor Carrier Safety Administration, 1200 New Jersey Avenue SE, Washington, DC 20590, Tel: 1-800-832-5660, www.fmcsa.dot.gov.

Title 49, Chapter III, Subchapter B-Federal Motor Carrier Safety Regulations

7.1.4 Latest release of Federal Spec 297, Rustproofing of Commercial (Nontactical) Vehicles

7.1.5 RTCA Publications

Available from RTCA, Inc., 1150 18th Street, NW, Suite 910, Washington, DC 20036, Tel: 202-833-9339, www.rtca.org.

RTCA DO-186 Minimum Performance Standards for Airborne Radio Communications Equipment Operating Within the Radio Frequency Range 117.975 - 137.000 MHz

7.1.6 FMVSS - Federal Motor Vehicle Safety Standards

8. INTENT

The practical concept is that a single operator can operate this skid-steer loader and various attachments to clean the pavement surface from snow and ice to bare pavement. The skid-steer loader should conform to the manufacturer's performance recommendations and be suitable for mounting all specified accessories.

9. BASIS OF DESIGN

9.1 The skid-steer loader with bucket shall meet or exceed the design intent of this specification. Any equivalent brand or model from any equipment manufacturer shall be acceptable as long as it meets the minimum requirements of this specification.

This specification minimum requirements were established based on the design intent of the following system(s):

- John Deere 334 P-Tier Skid-Steer Loader

10. TECHNICAL REQUIREMENTS

10.1 General Description – Standard Production Model Skid-Steer Loader

The SRE Skid-Steer loader shall consist of a new, standard production model skid-steer loader with an enclosed cab and front mounted skid-steer loader arms with the ability to connect to different loader attachments.

Properly fitted skid-steer loaders can provide the necessary tools and power for snow removal and ice control equipment to move snow, slush, ice, and other debris from airfield pavement during winter operations. The skid-steer loader attachments to be included in this procurement shall include a standard skid-steer loader bucket and a skid-steer loader mounted power broom (see power broom specification).

The skid-steer loader must have a minimum operating weight of 10,264 lbs.

10.2 Minimum Performance Requirements

10.2.1 Engine

The skid-steer loader shall have a standard production diesel engine with a minimum 3.1 litre displacement and rated engine power of 118 HP at 2,500 RPM. The equipment shall have the ability to remove snow, ice, slush, sand, and other debris at

speeds of 7.5 - 12 MPH.

10.2.2 Transmission

The design of this unit shall ensure positive tire-to-ground tractive effort while operating. The skid-steer loader shall have electrohydraulic controls with hydraulic wet disc type brakes.

10.2.3 Hydraulics

The skid-steer loader shall be equipped with joystick controls for operation of the skid-steer loader and associated attachment(s). The skid-steer loader's hydraulic system shall be designed and sized no less than 25 gallons per minute to meet skid-steer loader operation requirements and any attachments.

10.2.4 Tires

The skid-steer loader tires shall be rated and sized per the manufacturer's standard. Tire tread shall be adequate for on pavement winter operations and for turf summer operations.

10.2.5 Cold Weather Considerations

The skid-steer loader shall be provided with provisions for cold weather operations, allowing the skid-steer loader to be stored, started, and operated in temperatures of at least -20° F. The ability to start the skid-steer loader in cold weather conditions is paramount for the Airport's snow removal operations.

10.2.6 Fuel Capacity

The skid-steer loader shall be provided with a minimum fuel capacity of 35.5 gallons.

10.3 Exterior Features

10.3.1 Exterior Lighting

The skid-steer loader shall be fitted with a premium LED work light package designed to provide adequate lighting to facilitate a 360-degree coverage of visibility of the work area in low light conditions. In addition to the premium work light package, hazzard warning lights shall be provided on the skid-steer loader.

10.3.2 FAA Required Specialty Lighting

The skid-steer loader shall be equipped with at least one (1) yellow flashing light mounted on the uppermost part of the skid-steer loader cab. All identification lights shall be in accordance with the most recent edition of FAA Advisory Circular AC 150/5210 *Painting, Marking, and Lighting of Vehicles used on an Airport*.

10.3.3 Rear View Mirrors

The skid-steer loader shall be fitted with rearview mirror and rearview camera.

10.3.4 Cab Glass

The skid-steer loader shall be provided with an enclosed cab. The cab glass shall

conform to the following:

- a. Front windshield, door, side, and back windows shall be arranged to provide a panoramic view of the work area.
- b. Sliding, locking glass side windows.

10.3.5 Windshield Wipers

The skid-steer loader shall be provided with adequate wiper system to ensure clear visibility in adverse weather conditions.

10.4 Interior Features

10.4.1 Operator Control Station Features

The Operator Control Station (OCS) shall be ergonomically designed and fitted with all of the controls and operator interfaces to permit the optimum environment to operate the skid-steer loader and skid-steer loader attachment(s) in a safe and conducive manner.

An integrated ISO-pattern joystick shall be provided for skid-steer loader operation and directional control of related bucket or snow blower attachments. At a minimum, the directional controls shall allow for raise/lower of skid-steer loader arms and forward/backward tilting of attachment.

Instrumentation shall be per standard production models, typically centered in front and to the righthand side of the primary operator and shall be positioned to minimize interruption of operator visibility.

10.4.2 Seating

The operator seat shall be air suspended, heated and ventilated constructed of premium quality materials, standard to typical production models. Consideration should be given to the maneuverability of the seat in relation to tasks to be performed by specified attachments.

10.4.3 Heat, Defrost and Conditioned Air

The skid-steer loader cab shall be fitted with an integral high-output, fresh air type heater/defroster/air conditioner with multi-speed fan motors. A refrigerant charged air conditioner system shall be incorporated as a device to cool the cab for warm weather operation, to control in-cab humidity, and to control misting of the interior glass.

10.4.4 Communications

The skid-steer loader shall be wired for the installation of a new two-way radio. This may include but is not limited to a master connection point for multiple radios, continuous duty relays, coax cables, conduit, and antennas.

11. ADDITIONAL ITEMS

11.1 Loader Bucket

The skid-steer loader shall be provided with a 84 inch wide heavy duty construction bucket with minimum 21.0 cubic foot capacity that is compatible with the skid-steer loader system. The bucket shall be constructed of heavy gauge steel with a replaceable bolt on cutting edge. Once attached, the bucket shall have a locking mechanism to ensure a positive connection to the skid-steer loader.

11.2 Power Broom

See specification for skid-steer loader mounted hydraulic broom attachment.

12. FINISH AND PAINT

The complete unit and all attachments shall be painted per manufacturers standard production paint colors.

All surfaces requiring paint shall be properly prepared prior to primer and finish paint. It is recommended that all steel components be prepared by shot blasting to remove all rust and mill scale. This should include an anti-corrosion chemical treatment followed by painting with high solid content/low VOC commercial type automotive primer and minimum two coats of a polyurethane enamel, acrylic enamel, acrylic urethane, or similar high durability, long life paint. Finish processes such as industrial powder coating shall be acceptable.

The finished paint shall be free of "fisheye," "orange peel," chips, runs, or other imperfections that detract from the equipment's corrosion resistance and appearance.

12.1 Rust Proofing and Corrosion Protection

The rust proofing and corrosion protection shall be per the manufacturers standard and is required for the unit. Items to be treated for rust proofing and corrosion protection shall include but not be limited to the following: moldings, fenders, doors, panel wells, underside of cab floor, interior cab floor, etc.

13. TECHNICAL PUBLICATIONS

The manufacturer shall furnish two complete sets of manuals: one in hardcopy form and one in electronic format. The set of manuals shall consist of:

- Operation, Maintenance, and Troubleshooting manual
- Supplied equipment manual.
- Parts manual identifying every part on the unit both in parts list form and exploded view or schematic form in the case of electrical and hydraulic.

14. DELIVERY, START-UP, AND TRAINING

The unit shall be fully assembled and tested prior to delivery. The vendor (seller) is responsible for the safe and timely delivery of the skid-steer loader, attachments, spare parts, and tools as agreed upon in the contractual purchasing agreement.

The manufacturer shall, at no additional cost, furnish the services of trained personnel

to the purchaser at a time and place agreed to by all parties. A qualified factory representative shall fully install, start-up, and test the unit prior to training. Training shall be performed by a factory trained and authorized technician. The training shall be performed at the customer's site and shall be 6 hours for operators training and an additional 6 hours for mechanics training (mechanics shall attend the operating training first). The purpose of this training is to review safe and effective procedures for use and maintenance of the machine, review and test all systems, assure the full function for safe operation of the machine.

15. WARRANTY

At a minimum, the equipment provided shall be warranted against defective materials, workmanship, and performance deficiencies for a minimum period of 72 months or 3000 hours whichever occurs first. The warranty period shall commence at the official in-service date, which shall be mutually agreed upon by the seller and the purchaser.

Manufacturers shall be required to submit their complete warranty statement with the quotation package. This shall entail warranty for all components and subsystems covered, the duration periods, pro-rated items and clearly identifying all items considered to be non-warranted wear items.

16. REPORTS AND DOCUMENTATION

The following reports shall be provided upon delivery of each item/unit.

16.1 Main Component List

The manufacturer shall provide a dedicated (by VIN) component list for each unit delivered. The component list shall be itemized and list each main system component. The list shall include but not be limited to items such as engine(s), transmission, main hydraulic system components, drive gear boxes, axles, brakes, alternators, batteries, belts, and filters, etc. The list shall provide the description, manufacturer, part number, and quantity required. The serial number of the engine, transmission, drive gear boxes and axles installed on the subject machine shall be provided.

17. MISCELLANEOUS

17.1 Accessories and Tools

The skid-steer loader shall be equipped with the following tools and accessories. They shall be mounted in a secure and readily accessible location that is permanently affixed to the skid-steer loader.

- 1) Fire Extinguisher. A standard fire extinguisher shall be provided with the skid-steer loader and shall be located inside the skid-steer loader cab in an easy and quickly deployable location.

**END OF SNOW REMOVAL EQUIPMENT (SRE):
SKID-STEER LOADER**

PROCUREMENT SPECIFICATION SNOW REMOVAL EQUIPMENT (SRE): SKID-STEER LOADER MOUNTED BROOM ATTACHMENT

18. SCOPE

This specification covers requirements for an airport Snow Removal Equipment (SRE) rotary plow with carrier vehicle for airfield snow removal purposes. The airport sponsor requires this specified piece of equipment in order to maintain the airfield during large and small snow events. Carrier vehicle considerations can be found in this specification and related appendix of this document as in accordance with AC 150/5220-20A, *Airport Snow and Ice Control Equipment*.

19. REFERENCES

19.1 Applicable Documents

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

19.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

SAE J931	Hydraulic Fluid Power Circuit Filtration - Application & Methods
SAE J1503	Performance Test for Air-Conditioned, Heated, and Ventilated Off-Road, Self-Propelled Work Machines

19.1.2 FAR & FAA Publications

Available from Federal Aviation Administration, 800 Independence Avenue, SW, Washington, DC 20591, Tel: 866-835- 5322, www.faa.gov.

AC 150/5200-30D	Airport Field Condition Assessment and Winter Operations Safety
AC 150/5210-5D	Painting, Marking, and Lighting of Vehicles Used on an Airport
AC 150/5220-18A	Buildings for Storage and Maintenance of Airport Snow and Ice Control Equipment and Materials

19.1.3 FMCSR Publications

Available from Federal Motor Carrier Safety Administration, 1200 New Jersey Avenue SE, Washington, DC 20590, Tel: 1-800-832-5660, www.fmcsa.dot.gov.

Title 49, Chapter III, Subchapter B-Federal Motor Carrier Safety Regulations

19.1.4 Latest release of Federal Spec 297, Rustproofing of Commercial (Nontactical) Vehicles

19.1.5 RTCA Publications

Available from RTCA, Inc., 1150 18th Street, NW, Suite 910, Washington, DC 20036, Tel: 202-833-9339, www.rtca.org.

RTCA DO-186 Minimum Performance Standards for Airborne Radio Communications Equipment Operating Within the Radio Frequency Range 117.975 - 137.000 MHz

19.1.6 FMVSS - Federal Motor Vehicle Safety Standards

20. INTENT

20.1 This skid-steer loader airport broom will be primarily used in the sweeping and cleaning of snow, slush, and ice from airport runway, taxiway, and ramp areas. All items of design and equipment not listed in these specifications, but involved in carrying out their intent, are required to be furnished the same as if these items were specifically mentioned and described in these specifications. The practical concept is that a single operator can operate this airport broom and skid-steer loader simultaneously to clean the pavement surface from snow, slush, and ice to bare pavement

21. BASIS OF DESIGN

21.1 The skid-steer loader broom shall meet or exceed the design intent of this specification. Any equivalent brand or model from any equipment manufacturer shall be acceptable as long as it meets the minimum requirements of this specification.

This specification minimum requirements were established based on the design intent of the following system(s):

- JD-BA96C 96" Angle Broom

22. TECHNICAL REQUIREMENTS

22.1 General Description

The broom shall have the ability to remove snow, ice, slush, sand and other debris at the rated speed, capacity, and conditions per the following:

- Broom configuration: Front mount compatible with referenced skid-steer loader
- Brush swept path: 96-Inches
- Flow Range (Min-Max): 15-25 GPM
- Maximum Articulation: 30°
- Brush diameter: 32 inches
- Bristle type & configuration: Wafer, Flat, 50/50 Poly & Wire

- Hood extension / Rubber deflector

Components shall be new, unused, of current production to the satisfaction of the purchaser. They shall be free of all defects and imperfections that could affect the serviceability of the finished product. Components should be readily accessible for repair and replacement, with minimal removal or disturbance to adjacent parts or components. Designs must use components within their rated values. Parts which are exposed to wear shall be capable of being replaced. Regular maintenance and servicing should be readily accomplished under normal working conditions.

All broom components shall be designed to provide continuous service under difficult working conditions in -20 degrees F to +100 degrees F weather conditions without degradation of performance. The broom shall be designed to allow bristles to be easily replaced once worn or damaged. When mounted on a skid-steer loader, no components of the broom shall interfere with the servicing and maintenance of the skid-steer loader.

22.2 Broom Chassis Platform

22.3 Broom Hitch

The broom hitch shall be capable of sustaining all loads imposed during operation. It shall provide low friction and free flotation for the brush head for bounce and skip free operation. It shall allow the brush head to be independent, so the broom chassis does not induce bounce into the brush. The broom hitch shall have the necessary degrees of freedom to follow normal contours in the pavement and to accommodate surface irregularities, while sweeping at the rated speed, without bouncing, skipping, binding, or sustaining damage.

The broom shall be provided with quick disconnects for all hitch, controls, hydraulic hoses/lines, electrical cables, drivelines, and instrumentation allowing for rapid changeover.

22.4 Brush Angle

The brush angling mechanism shall be power actuated and controlled by the operator. The brush shall be capable of swinging 30 degrees left and 30 degrees right from the straight-ahead position. Angling from full right to full left shall not take more than 10 seconds and shall not change the brush pattern. In between full left and full right, the pattern shall not change more than 50%.

22.5 Brush Head

The brush head frame must sustain the loads imposed by the snow removal capacity of the unit. The brush head shall be hydrostatic drive with infinitely variable speed hydraulic pump(s) and fixed displacement motor(s). If gearboxes are used, they shall be made with precision gears, AGMA 10 rating minimum, and a method for checking oil level without the use of tools. Hydrostatic motor(s) shall be tightly coupled to the brush core shaft with no looseness in any connection. The connection must be capable of handling the loads imposed by the hydrostatics.

The brush shall be vibration analyzed at final inspection with report on vibration provided upon request.

The brush head shall allow easy access for core and/or bristle replacement allowing repeatable location of brush centerline alignment during brush core remove and

replace operations.

22.6 Brush Hood

The brush hood shall be fabricated from heavy gauge sheet steel or other durable material and securely fastened to the brush frame. It shall shield the top half of the brush completely and shall be non-clog design to prevent snow and ice buildup underneath the hood. It shall provide the necessary quick access to the brush for replacement of bristles and for inspection.

There shall be a device on the front of the hood to strip the snow from the brush, preventing snow carryover from the front of the brush to the back of the brush. It shall be the full length of the brush. The device must be easily adjustable to the brush diameter as the bristles wear.

22.7 Brush Bristles

The bristles for the brush shall be designed for runway operation and shall withstand the normal operation of the broom. They shall be made with adequate retention to keep the bristle from falling out, fatigue strength to keep them from breaking, and wear resistance for acceptable life. The bristles shall withstand storage temperatures ranging from -60 °F to + 160 °F and operating temperatures ranging from -40 °F to +125 °F, without functional degradation due to the environment.

Wafers, Flat:

The bristles shall be fastened in a radial wafer fashion and shall consist of a steel support ring filled with steel wire bristles and polypropylene (poly) bristles. The wafers may be separated by a steel spacer. The wafer bristles shall have an outside diameter of 32 inches.

22.8 Brush Cores

The core shall be bearing supported and may be driven from either end, center, or from both ends. Each core shall be individually dynamically balanced by the manufacture at rated RPM. The bristles on the cores shall be full width to the rated length and replaceable. All steel on steel couplings of the drive and core must be replaceable hardened steel.

Wafers: The cores shall be made of tubular steel construction with four hardened steel (163 Brinell hardness minimum) drive bars, equally spaced to center each wafer bristle. The diameter which the four drive bars create must be such that the wafer bristle is easily installed and removed but not to allow movement of the wafer bristle on the core. The diameter of the core must also be industry standard for compatibility of various bristle manufacturers.

22.9 Hydraulic System

The hydraulic system shall consist of appropriate rams, pumps, piping, fittings, valves, controls, fluid reservoirs, filters, coolers, and other parts essential to its full operation. The system shall be capable of hydraulically positioning equipment through the entire range of its design limits. It shall be capable of operating all controls simultaneously without a detrimental reduction in power response

All controls shall be located in the vehicle cab. All hydraulic functions of the broom shall be electric over hydraulic valving. Connectors to the solenoids shall be interlocking type to provide a secure connection, which can withstand normal

pressure washing procedures. All positioning functions shall be equipped with a position locking system as necessary to prevent unwanted movement. There shall be no hydraulic lines within the operator station

The system shall be ruggedly constructed and able to withstand all imposed loads. It shall maintain operating temperatures suitable for all system components throughout normal operating conditions. The hydraulic system shall meet the same low temperature requirements as the engine coolant system.

Filters within the hydraulic system shall conform to the Society of Automotive Engineers (SAE) Information Report, SAE J 931- *Hydraulic Power Circuit Filtration*. Proper filtering shall be done on both the high pressure and low pressure circuits.

All hoses for all systems shall be properly sized and strength to work with the pressure and volume of oil required and have the appropriate temperature ratings for the climate conditions in which they will be used. Only commercial quality hydraulic lines, hoses, and fittings that are capable of withstanding system working pressures under load are acceptable. Hydraulic hoses shall have a bursting pressure of three times their rated working pressure. The use of fittings, joints, and connections shall be kept to a minimum. Where required, hoses should be equipped with quick couplers as necessary to facilitate rapid removal and attachment.

22.10 Controls and Instrumentation

All controls shall be electric over hydraulic type. All instruments and controls shall be labeled in a manner to remain legible for the life of the unit and shall be illuminated. The operator station shall be conveniently mounted in-cab, user friendly and easily accessed by operators wearing heavy winter clothing. Frequently used instruments shall be located in direct line-of-sight and within forearm reach of a medium-sized person sitting in the operator's position. The controls shall allow the operator to direct all functions required to fully operate the equipment.

The operator's control in the chassis cab shall have all the necessary functions to operate the broom and shall have the following:

- System On / off
- Joystick for lift/lower and left/ right swing
- Brush On / Off and speed adjustment

22.11 Finish and Paint

The complete unit and all attachments shall be painted per manufacturers standard production paint colors.

All equipment shall be cleaned first, then treated as necessary per coating manufacturer's recommendations with: corrosion inhibitor, primer, putty, sanding, and finally, the finish coating process. The coating of customer specified color shall be applied per the coating manufacturers approved process and shall consist of polyurethane enamel, acrylic enamel, acrylic urethane, or similar high durability, long life coating having a combined thickness per the manufacturer's recommendations.

The finished paint shall be free of "fisheye," "orange peel," chips, runs, or other imperfections that detract from the equipment's corrosion resistance and appearance.

22.12 Technical Publications

The manufacturer shall furnish two complete sets of manuals. One in hardcopy form and one in electronic format. The set of manuals shall consist of:

- Operation, Maintenance, and Troubleshooting manual
- Supplied equipment manual
- Parts manual identifying every part on the unit both in parts list form and exploded view or schematic form in the case of electrical and hydraulic

22.13 Delivery, Start-up, and Training

The unit must be fully assembled and tested prior to delivery. The manufacturer is responsible for the safe and timely delivery of the rotary plow and its accessories, spare parts, and tools to the place of delivery.

The manufacturer shall, at no additional cost, furnish the services of trained personnel to the purchaser at a time and place agreed to by all parties. A qualified factory representative must fully install, start-up, and test the unit prior to training. Training shall be performed by a factory trained and authorized technician. The training shall be performed at the customer's site and shall be 6 hours for operators training and an additional 6 hours for mechanics training (mechanics shall attend the operating training first). The purpose of this training is to review safe and effective procedures for use and maintenance of the machine, review and test all systems, assure the full function of the machine.

22.14 Warranty

The rotary plow equipment provided shall be warranted against defective materials and workmanship for a period of 12 months after the machine is delivered. Warranty includes replacement or repair of defective parts or material and the associated labor to perform the repairs

**END OF SNOW REMOVAL EQUIPMENT (SRE):
SKID-STEER LOADER MOUNTED BROOM ATTACHMENT**

PROCUREMENT SPECIFICATION SNOW REMOVAL EQUIPMENT (SRE): SKID-STEER LOADER MOUNTED BOX PLOW ATTACHMENT

23. SCOPE

This specification covers various requirements for box plows be used with a carrier vehicle primarily used to remove snow away from airport airside operational areas, such as runways, ramps, and taxiways. The airport sponsor requires this specified piece of equipment in order to maintain the airfield during large and small snow events.

24. REFERENCES

24.1 Applicable Documents

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

24.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

SAE J560	Primary and Auxiliary Seven Conductors Electrical Connector for Truck-Trailer Jumper Cable
SAE J572	Requirements for Sealed Lighting Unit for Construction and Industrial Machines
SAE J931	Hydraulic Power Circuit Filtration
SAE J1292	Automobile, Truck, Truck-Trailer, Trailer, and Motor Coach Wiring
SAE J2042	Clearance, Sidemarker and Identification Lamps for Use on Motor Vehicles 2032 mm or More in Overall Width

24.1.2 ASTM Publications

Available from ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959, Tel: 610-832-9585, www.astm.org

ASTM G 75-01	Standard Test Method for Determination of Slurry Abrasivity (Miller Number) and Slurry Abrasion Response of Materials (SAR Number)
ASTM D 256-05	Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics
ASTM D 638-03	Standard Test Method for Tensile Properties of Plastics

24.1.3 FAR & FAA Publications

Available from Federal Aviation Administration, 800 Independence Avenue, SW,

Washington, DC 20591, Tel: 866-835- 5322, www.faa.gov.

AC 150/5200-30D	Airport Field Condition Assessment and Winter Operations Safety
AC 150/5210-5D	Painting, Marking, and Lighting of Vehicles Used on an Airport
AC 150/5220-18A	Buildings for Storage and Maintenance of Airport Snow and Ice Control Equipment and Materials

25. BASIS OF DESIGN

The box plow shall meet or exceed the design intent of the following systems:

- Artic Sectional Sno-Pusher LD-10.5

26. BOX PLOW TECHNICAL REQUIREMENTS

26.1 General

Box Plows are front mounted snowplows designed for straight-ahead snow plowing position, perpendicular to the carrier vehicle, manufactured expressly for airport ramp plowing. They should be designed for continuous work under extreme conditions of airport snow removal.

26.1.1 Moldboard Assembly

The moldboard shall be a minimum of 30 inches high and a minimum of 126 inches wide. The moldboard shall be manufactured from a minimum #10 gauge steel and be reinforced with vertical ribs. The moldboard sheet shall provide a low coefficient of friction and resistance to corrosion and impact.

The moldboard shall be fully reinforced horizontally along the full length of the plow and between the vertical ribs and along the top edge to provide appropriate and sufficient stiffness throughout the length of the moldboard. The bottom of the plow shall include cutting edge support and shall be a heavy-duty structure gusseted as required for the integrity of the presentation of the cutting edge. The ends of the cutting edge support structure shall be enclosed.

A full-length lower support member shall be furnished above the cutting edge backing structure. A lifting eye(s) shall be furnished to lift plow level.

26.1.2 End Plates

The ends of the moldboard shall be enclosed and capped off with end plates that will extend out from the cutting edge. The end plates shall be attached to the outer vertical ribs of the moldboard and supported with two, one upper and one lower, tubular brace or solid bar stock per side.

The end plates shall be furnished with two, one per side, wear shoes that are a continuous shoe made from abrasion resistant steel. The front edge of the wear shoe shall have minimum 1/2 inch radius. The wear shoes shall be attached with a means for adjustment.

26.1.3 Cutting Edge Types

The cutting edge shall be constructed of high carbon steel. The cutting edge shall have an appropriate number of mounting holes and mounting hardware ensuring a

durable and secure fastening to the moldboard.

26.1.4 Coupler

The coupler shall be compatible with the previously specified skid-steer loader. The coupler shall be attached to the back of the ramp plow at the lower most and upper most support structures on the back of the moldboard, as this is one of the primary areas of stress on the ramp plow.

26.1.5 Support Stands

The box plow shall be equipped with support stands, as required, to assist in holding the plow upright and steady when decoupled from the carrier vehicle and to assist in positioning the plow for easy re-hitching before use.

If required, such stands shall be of sufficient strength to hold the plow's weight in the appropriate position and attitude during hitch and unhitch. They shall be equipped with a means for stowage out of the way during plow operations by means of a positive locking pin. The design of the stands and locking device shall also allow positive locking in the deployed position.

26.1.6 Warning Labels

Permanent labels are required at all pinch points on hitch and plow, torque at side plates, and any other appropriate instructions.

26.1.7 Paint

The complete unit and all attachments shall be painted per manufacturers standard production paint colors.

All equipment shall be cleaned first, then treated as necessary per coating manufacturer's recommendations with: corrosion inhibitor, primer, putty, sanding, and finally, the finish coating process. The coating of customer specified color shall be applied per the coating manufacturers approved process and shall consist of polyurethane enamel, acrylic enamel, acrylic urethane, or similar high durability, long life coating having a combined thickness per the manufacturer's recommendations.

The finished paint shall be free of "fisheye," "orange peel," chips, runs, or other imperfections that detract from the equipment's corrosion resistance and appearance.

26.2 Technical Publications

The manufacturer shall furnish two complete sets of manuals. One in hardcopy form and one in electronic format. The set of manuals shall consist of:

- Operation, Maintenance, and Troubleshooting manual
- Supplied equipment manual
- Parts manual identifying every part on the unit both in parts list form and exploded view or schematic form in the case of electrical and hydraulic

26.3 Delivery, Start-up, and Training

The unit must be fully assembled and tested prior to delivery. The manufacturer is

responsible for the safe and timely delivery of the rotary plow and its accessories, spare parts, and tools to the place of delivery.

The manufacturer shall, at no additional cost, furnish the services of trained personnel to the purchaser at a time and place agreed to by all parties. A qualified factory representative must fully install, start-up, and test the unit prior to training. Training shall be performed by a factory trained and authorized technician. The training shall be performed at the customer's site and shall be 6 hours for operator training and an additional 6 hours for mechanic training (mechanics shall attend the operating training first). The purpose of this training is to review safe and effective procedures for use and maintenance of the machine, review and test all systems, assure the full function of the machine.

26.4 Warranty

The box plow equipment provided shall be warranted against defective materials and workmanship for a period of 12 months after the machine is delivered. Warranty includes replacement or repair of defective parts or material and the associated labor to perform the repairs

26.5 Additional Equipment

- One (1) spare cutting edge shall be provided per box plow assembly.

END OF SNOW REMOVAL EQUIPMENT (SRE): SKID-STEER LOADER MOUNTED BOX PLOW ATTACHMENT

PROCUREMENT SPECIFICATION SNOW REMOVAL EQUIPMENT (SRE): 84-INCH SNOW BLOWER FOR SKID-STEER

27. SCOPE

This specification covers various requirements for box plows be used with a carrier vehicle primarily used to remove snow away from airport airside operational areas, such as runways, ramps, and taxiways. The airport sponsor requires this specified piece of equipment in order to maintain the airfield during large and small snow events.

28. REFERENCES

28.1 Applicable Documents

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

28.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

SAE J560	Primary and Auxiliary Seven Conductors Electrical Connector for Truck-Trailer Jumper Cable
SAE J572	Requirements for Sealed Lighting Unit for Construction and Industrial Machines
SAE J931	Hydraulic Power Circuit Filtration
SAE J1292	Automobile, Truck, Truck-Trailer, Trailer, and Motor Coach Wiring
SAE J2042	Clearance, Sidemarker and Identification Lamps for Use on Motor Vehicles 2032 mm or More in Overall Width

28.1.2 ASTM Publications

Available from ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959, Tel: 610-832-9585, www.astm.org

ASTM G 75-01	Standard Test Method for Determination of Slurry Abrasivity (Miller Number) and Slurry Abrasion Response of Materials (SAR Number)
ASTM D 256-05	Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics
ASTM D 638-03	Standard Test Method for Tensile Properties of Plastics

28.1.3 FAR & FAA Publications

Available from Federal Aviation Administration, 800 Independence Avenue, SW,

Washington, DC 20591, Tel: 866-835- 5322, www.faa.gov.

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AC 150/5210-5D	Painting, Marking, and Lighting of Vehicles Used on an Airport
AC 150/5220-18A	Buildings for Storage and Maintenance of Airport Snow and Ice Control Equipment and Materials

29. BASIS OF DESIGN

The box plow shall meet or exceed the design intent of the following systems:

- JD SB84S Snow Blower High Flow High Pressure

30. SNOW BLOWER TECHNICAL REQUIREMENTS

30.1 General

Skid-Steer Snow Blowers are front mounted blowers hydraulically driven designed for efficient snow removal, manufactured expressly for airport ramp plowing. They should be designed for continuous work under extreme conditions of airport snow removal.

30.2 General Description

The snow blower shall have the ability to remove snow, ice, slush, and other debris at the rated speed, capacity, and conditions per the following:

Snow Blower configuration: Front mount compatible with referenced skid-steer loader

Snow Blower Overall Width: 89-Inches

Snow Blower Intake Width: 84-Inches

Snow Blower Auger Diameter: 19-Inches

Snow Blower Maximum Throw Distance: 45 Feet

Snow Blower Discharge-Chute Control: Electric over Hydraulic

Snow Blower Back Drag capability for close proximity operation

30.2.1 Paint

The complete unit and all attachments shall be painted per manufacturers standard production paint colors.

All equipment shall be cleaned first, then treated as necessary per coating manufacturer's recommendations with: corrosion inhibitor, primer, putty, sanding, and finally, the finish coating process. The coating of customer specified color shall be applied per the coating manufacturers approved process and shall consist of polyurethane enamel, acrylic enamel, acrylic urethane, or similar high durability, long

life coating having a combined thickness per the manufacturer's recommendations.

The finished paint shall be free of "fisheye," "orange peel," chips, runs, or other imperfections that detract from the equipment's corrosion resistance and appearance.

30.3 Technical Publications

The manufacturer shall furnish two complete sets of manuals. One in hardcopy form and one in electronic format. The set of manuals shall consist of:

- Operation, Maintenance, and Troubleshooting manual
- Supplied equipment manual
- Parts manual identifying every part on the unit both in parts list form and exploded view or schematic form in the case of electrical and hydraulic

30.4 Delivery, Start-up, and Training

The unit must be fully assembled and tested prior to delivery. The manufacturer is responsible for the safe and timely delivery of the rotary plow and its accessories, spare parts, and tools to the place of delivery.

The manufacturer shall, at no additional cost, furnish the services of trained personnel to the purchaser at a time and place agreed to by all parties. A qualified factory representative must fully install, start-up, and test the unit prior to training. Training shall be performed by a factory trained and authorized technician. The training shall be performed at the customer's site and shall be 6 hours for operator training and an additional 6 hours for mechanic training (mechanics shall attend the operating training first). The purpose of this training is to review safe and effective procedures for use and maintenance of the machine, review and test all systems, assure the full function of the machine.

30.5 Warranty

The Snow Blower equipment provided shall be warranted against defective materials and workmanship for a period of 12 months after the machine is delivered. Warranty includes replacement or repair of defective parts or material and the associated labor to perform the repairs

30.6 Additional Equipment

- Specialized Tools: Any specialized tools shall be supplied, as required, for routine servicing of the Snow Blower assembly and related equipment, excluding computers and electronic diagnostic machines.

**END OF SNOW REMOVAL EQUIPMENT (SRE):
84-INCH SNOW BLOWER FOR SKID-STEER**

APPENDIX 1. CARRIER VEHICLE TECHNICAL BASIS – NOT USED

APPENDIX 6. RUNWAY BROOM WITH AIRBLAST TECHNICAL BASIS

High Speed Runway Broom

A6-1. Anticipated uses and/or features of brooms with airblast.

Wheel Loader mounted broom shall be used for snow and ice removal on paved airfield surfaces at the Dekalb Taylor Municipal Airport, Dekalb, Illinois, to maintain the safety of incoming and outgoing air traffic.

A6-2. Size of Priority 1 paved area to be swept: 1,924,260 ft²

A6-3. Time required to sweep primary surface areas: 180 minutes

A6-4. Sweeper speed needed to meet clearance time: 20 mph

A6-5. Type of sweeper desired: Pushed, front loader mounted, hydraulically driven

A6-6. ~~Airblast system:-~~

A6-7. Size of broom: 14' broom length (14.0' swept path), 36 inch diameter, reversible 30 degrees

A6-8. Type of brush: wafer, flat, 50/50 poly/wire

A6-9. Optional equipment: Quick disconnect lines

A6-10. Other: None

A6-11. Runway Broom with airblast must be in accordance with SAE ARP 5564, Airport Runway Brooms.

A6-12. Optional equipment. Sweepers are designed to operate under normal winter conditions. To improve equipment effectiveness, however, certain options are available to the purchaser that can enhance performance. Typical options are the following:

- a. ~~Airblast system.~~**
- b. Quick disconnects.** Quick disconnects may be provided for all controls, hydraulic hoses/lines, electrical cables, drivelines, and instrumentation.
- c. ~~Dual front fork wheels. Dual wheels are available as additional steering safety on towed sweepers.~~**
- d. ~~Fenders. Noncorrosive fenders and mud flaps help control snow, slush, and water by helping to keep them off of the sweeper.~~**
- e. ~~Hydrostatic and hydraulic test equipment. This equipment allows trouble shooting of hydrostatic and hydraulic systems.~~**
- f. ~~Hydraulic jack.~~**
- g. ~~Maintenance Free Batteries.~~**
- h. ~~Air brakes for towed sweepers.~~**
- i. ~~Automatic low oil pressure/high water temperature shut down devices.~~**
- j. ~~Fire extinguisher.~~**
- k. ~~Engine temperature and hydrostatic pressure loss warning devices.~~**

SUPPLEMENTARY PROVISIONS

SPECIAL PROVISION FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION

Effective: September 1, 2000

Revised: March 2, 2019

FEDERAL OBLIGATION. The Department of Transportation, as a recipient of federal financial assistance, is required to take all necessary and reasonable steps to ensure nondiscrimination in the award and administration of contracts. Consequently, the federal regulatory provisions of 49 CFR Part 26 apply to this contract concerning the utilization of disadvantaged business enterprises. For the purposes of this Special Provision, a disadvantaged business enterprise (DBE) means a business certified by the Department in accordance with the requirements of 49 CFR Part 26 and listed in the Illinois Unified Certification Program (IL UCP) DBE Directory.

STATE OBLIGATION. This Special Provision will also be used by the Department to satisfy the requirements of the Business Enterprise for Minorities, Females, and Persons with Disabilities Act, 30 ILCS 575. When this Special Provision is used to satisfy state law requirements on 100 percent state-funded contracts, the federal government has no involvement in such contracts (not a federal-aid contract) and no responsibility to oversee the implementation of this Special Provision by the Department on those contracts. DBE participation on 100 percent state-funded contracts will not be credited toward fulfilling the Department's annual overall DBE goal required by the US Department of Transportation to comply with the federal DBE program requirements.

CONTRACTOR ASSURANCE. The Contractor makes the following assurance and agrees to include the assurance in each subcontract the Contractor signs with a subcontractor.

The Contractor, subrecipient, or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of contracts funded in whole or in part with federal or state funds. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

- (a) Withholding progress payments;
- (b) Assessing sanctions;
- (c) Liquidated damages; and/or
- (d) Disqualifying the Contractor from future bidding as non-responsible.

OVERALL GOAL SET FOR THE DEPARTMENT. As a requirement of compliance with 49 CFR Part 26, the Department has set an overall goal for DBE participation in its federally assisted contracts. That goal applies to all federal-aid funds the Department will expend in its federally assisted contracts for the subject reporting fiscal year. The Department is required to make a good faith effort to achieve the overall goal. The dollar amount paid to all approved DBE companies performing work called for in this contract is eligible to be credited toward fulfillment of the Department's overall goal.

CONTRACT GOAL TO BE ACHIEVED BY THE CONTRACTOR. This contract includes a specific DBE utilization goal established by the Department. The goal has been included because the Department has determined the work of this contract has subcontracting opportunities that may be suitable for performance by DBE companies. The determination is based on an assessment of the type of work, the location of the work, and the availability of DBE companies to do a part of the

work. The assessment indicates, in the absence of unlawful discrimination and in an arena of fair and open competition, **DBE companies can be expected to perform 0% of the work. This percentage is set as the DBE participation goal for this contract.** Consequently, in addition to the other award criteria established for this contract, the Department will only award this contract to a bidder who makes a good faith effort to meet this goal of DBE participation in the performance of the work. A bidder makes a good faith effort for award consideration if either of the following is done in accordance with the procedures set for in this Special Provision:

- (a) The bidder documents enough DBE participation has been obtained to meet the goal or,
- (b) The bidder documents a good faith effort has been made to meet the goal, even though the effort did not succeed in obtaining enough DBE participation to meet the goal.

DBE LOCATOR REFERENCES. Bidders shall consult the IL UCP DBE Directory as a reference source for DBE-certified companies. In addition, the Department maintains a letting and item specific DBE locator information system whereby DBE companies can register their interest in providing quotes on particular bid items advertised for letting. Information concerning DBE companies willing to quote work for particular contracts may be obtained by contacting the Department's Bureau of Small Business Enterprises at telephone number (217) 785-4611, or by visiting the Department's website at: <http://www.idot.illinois.gov/doing-business/certifications/disadvantaged-business-enterprise-certification/il-ucp-directory/index>.

BIDDING PROCEDURES. Compliance with this Special Provision is a material bidding requirement and failure of the bidder to comply will render the bid not responsive.

The bidder shall submit a DBE Utilization Plan (form SBE 2026), and a DBE Participation Statement (form SBE 2025) for each DBE company proposed for the performance of work to achieve the contract goal, with the bid. If the Utilization Plan indicates the contract goal will not be met, documentation of good faith efforts shall also be submitted. The documentation of good faith efforts must include copies of each DBE and non-DBE subcontractor quote submitted to the bidder when a non-DBE subcontractor is selected over a DBE for work on the contract. The required forms and documentation must be submitted as a single .pdf file using the "Integrated Contractor Exchange (iCX)" application within the Department's "EBids System".

The Department will not accept a Utilization Plan if it does not meet the bidding procedures set forth herein and the bid will be declared not responsive. In the event the bid is declared not responsive, the Department may elect to cause the forfeiture of the penal sum of the bidder's proposal guaranty and may deny authorization to bid the project if re-advertised for bids.

GOOD FAITH EFFORT PROCEDURES. The contract will not be awarded until the Utilization Plan is approved. All information submitted by the bidder must be complete, accurate and adequately document enough DBE participation has been obtained or document the good faith efforts of the bidder, in the event enough DBE participation has not been obtained, before the Department will commit to the performance of the contract by the bidder. The Utilization Plan will be approved by the Department if the Utilization Plan documents sufficient commercially useful DBE work to meet the contract goal or the bidder submits sufficient documentation of a good faith effort to meet the contract goal pursuant to 49 CFR Part 26, Appendix A. This means the bidder must show that all necessary and reasonable steps were taken to achieve the contract goal. Necessary and reasonable steps are those which, by their scope, intensity and appropriateness to the objective, could reasonably be expected to obtain sufficient DBE participation, even if they were not successful. The Department will consider the quality, quantity, and intensity of the kinds of efforts

the bidder has made. Mere pro forma efforts, in other words efforts done as a matter of form, are not good faith efforts; rather, the bidder is expected to have taken genuine efforts that would be reasonably expected of a bidder actively and aggressively trying to obtain DBE participation sufficient to meet the contract goal.

(a) The following is a list of types of action that the Department will consider as part of the evaluation of the bidder's good faith efforts to obtain participation. These listed factors are not intended to be a mandatory checklist and are not intended to be exhaustive. Other factors or efforts brought to the attention of the Department may be relevant in appropriate cases and will be considered by the Department.

- (1) Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBE companies that have the capability to perform the work of the contract. The bidder must solicit this interest within sufficient time to allow the DBE companies to respond to the solicitation. The bidder must determine with certainty if the DBE companies are interested by taking appropriate steps to follow up initial solicitations.
- (2) Selecting portions of the work to be performed by DBE companies in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the Contractor might otherwise prefer to perform these work items with its own forces.
- (3) Providing interested DBE companies with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.
- (4) a. Negotiating in good faith with interested DBE companies. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBE companies that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBE companies to perform the work.

b. A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBE companies is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also the ability or desire of a bidder to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Bidders are not, however, required to accept higher quotes from DBE companies if the price difference is excessive or unreasonable. In accordance with the above Bidding Procedures, the documentation of good faith efforts must include copies of each DBE and non-

DBE subcontractor quote submitted to the bidder when a non-DBE subcontractor was selected over a DBE for work on the contract.

- (5) Not rejecting DBE companies as being unqualified without sound reasons based on a thorough investigation of their capabilities. The bidder's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non- union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the bidder's efforts to meet the project goal.
 - (6) Making efforts to assist interested DBE companies in obtaining bonding, lines of credit, or insurance as required by the recipient or Contractor.
 - (7) Making efforts to assist interested DBE companies in obtaining necessary equipment, supplies, materials, or related assistance or services.
 - (8) Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, state, and federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBE companies.
- (b) If the Department determines the bidder has made a good faith effort to secure the work commitment of DBE companies to meet the contract goal, the Department will award the contract provided it is otherwise eligible for award. If the Department determines the bidder has failed to meet the requirements of this Special Provision or that a good faith effort has not been made, the Department will notify the responsible company official designated in the Utilization Plan that the bid is not responsive. The notification will also include a statement of reasons for the adverse determination. If the Utilization Plan is not approved because it is deficient as a technical matter, unless waived by the Department, the bidder will be notified and will be allowed no more than a five calendar day period to cure the deficiency.
- (c) The bidder may request administrative reconsideration of an adverse determination by emailing the Department at "DOT.DB.E.UP@illinois.gov" within the five calendar days after the receipt of the notification of the determination. The determination shall become final if a request is not made on or before the fifth calendar day. A request may provide additional written documentation or argument concerning the issues raised in the determination statement of reasons, provided the documentation and arguments address efforts made prior to submitting the bid. The request will be reviewed by the Department's Reconsideration Officer. The Reconsideration Officer will extend an opportunity to the bidder to meet in person to consider all issues of documentation and whether the bidder made a good faith effort to meet the goal. After the review by the Reconsideration Officer, the bidder will be sent a written decision within ten working days after receipt of the request for reconsideration, explaining the basis for finding that the bidder did or did not meet the goal or make adequate good faith efforts to do so. A final decision by the Reconsideration Officer that a good faith effort was made shall approve the Utilization Plan submitted by the bidder and shall clear the contract for award. A final decision that a good faith effort was not made shall render the bid not responsive.

CALCULATING DBE PARTICIPATION. The Utilization Plan values represent work anticipated to be performed and paid for upon satisfactory completion. The Department is only able to count toward the achievement of the overall goal and the contract goal the value of payments made for the work actually performed by DBE companies. In addition, a DBE must perform a commercially useful function on the contract to be counted. A commercially useful function is generally performed when the DBE is responsible for the work and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. The Department and Contractor are governed by the provisions of 49 CFR Part 26.55(c) on questions of commercially useful functions as it affects the work. Specific counting guidelines are provided in 49 CFR Part 26.55, the provisions of which govern over the summary contained herein.

- (a) DBE as the Contractor: 100 percent goal credit for that portion of the work performed by the DBE's own forces, including the cost of materials and supplies. Work that a DBE subcontracts to a non-DBE does not count toward the DBE goals.
- (b) DBE as a joint venture Contractor: 100 percent goal credit for that portion of the total dollar value of the contract equal to the distinct, clearly defined portion of the work performed by the DBE's own forces.
- (c) DBE as a subcontractor: 100 percent goal credit for the work of the subcontract performed by the DBE's own forces, including the cost of materials and supplies, excluding the purchase of materials and supplies or the lease of equipment by the DBE subcontractor from the Contractor or its affiliates. Work that a DBE subcontractor in turn subcontracts to a non-DBE does not count toward the DBE goal.
- (d) DBE as a trucker: 100 percent goal credit for trucking participation provided the DBE is responsible for the management and supervision of the entire trucking operation for which it is responsible. At least one truck owned, operated, licensed, and insured by the DBE must be used on the contract. Credit will be given for the following:
 - (1) The DBE may lease trucks from another DBE firm, including an owner-operator who is certified as a DBE. The DBE who leases trucks from another DBE receives credit for the total value of the transportation services the lessee DBE provides on the contract.
 - (2) The DBE may also lease trucks from a non-DBE firm, including from an owner-operator. The DBE who leases trucks from a non-DBE is entitled to credit only for the fee or commission it receives as a result of the lease arrangement.
- (e) DBE as a material supplier:
 - (1) 60 percent goal credit for the cost of the materials or supplies purchased from a DBE regular dealer.
 - (2) 100 percent goal credit for the cost of materials or supplies obtained from a DBE manufacturer.
 - (3) 100 percent credit for the value of reasonable fees and commissions for the procurement of materials and supplies if not a DBE regular dealer or DBE manufacturer.

CONTRACT COMPLIANCE. Compliance with this Special Provision is an essential part of the contract. The Department is prohibited by federal regulations from crediting the participation of a DBE included in the Utilization Plan toward either the contract goal or the Department's overall goal until the amount to be applied toward the goals has been paid to the DBE. The following administrative procedures and remedies govern the compliance by the Contractor with the contractual obligations established by the Utilization Plan. After approval of the Utilization Plan and award of the contract, the Utilization Plan and individual DBE Participation Statements become part of the contract. If the Contractor did not succeed in obtaining enough DBE participation to achieve the advertised contract goal, and the Utilization Plan was approved and contract awarded based upon a determination of good faith, the total dollar value of DBE work calculated in the approved Utilization Plan as a percentage of the awarded contract value shall become the amended contract goal. All work indicated for performance by an approved DBE shall be performed, managed, and supervised by the DBE executing the DBE Participation Commitment Statement.

- (a) **NO AMENDMENT.** No amendment to the Utilization Plan may be made without prior written approval from the Department's Bureau of Small Business Enterprises. All requests for amendment to the Utilization Plan shall be emailed to the Department at DOT.DBE.UP@illinois.gov.
- (b) **CHANGES TO WORK.** Any deviation from the DBE condition-of-award or contract plans, specifications, or special provisions must be approved, in writing, by the Department as provided elsewhere in the Contract. The Contractor shall notify affected DBEs in writing of any changes in the scope of work which result in a reduction in the dollar amount condition-of-award to the contract. Where the revision includes work committed to a new DBE subcontractor, not previously involved in the project, then a Request for Approval of Subcontractor, Department form BC 260A or AER 260A, must be signed and submitted. If the commitment of work is in the form of additional tasks assigned to an existing subcontract, a new Request for Approval of Subcontractor will not be required. However, the Contractor must document efforts to assure the existing DBE subcontractor is capable of performing the additional work and has agreed in writing to the change.
- (c) **SUBCONTRACT.** The Contractor must provide copies of DBE subcontracts to the Department upon request. Subcontractors shall ensure that all lower tier subcontracts or agreements with DBEs to supply labor or materials be performed in accordance with this Special Provision.
- (d) **ALTERNATIVE WORK METHODS.** In addition to the above requirements for reductions in the condition of award, additional requirements apply to the two cases of Contractor-initiated work substitution proposals. Where the contract allows alternate work methods which serve to delete or create underruns in condition of award DBE work, and the Contractor selects that alternate method or, where the Contractor proposes a substitute work method or material that serves to diminish or delete work committed to a DBE and replace it with other work, then the Contractor must demonstrate one of the following:

- (1) The replacement work will be performed by the same DBE (as long as the DBE is certified in the respective item of work) in a modification of the condition of award;
 - or

- (2) The DBE is aware its work will be deleted or will experience underruns and has agreed in writing to the change. If this occurs, the Contractor shall substitute other work of equivalent value to a certified DBE or provide documentation of good faith efforts to do so; or
 - (3) The DBE is not capable of performing the replacement work or has declined to perform the work at a reasonable competitive price. If this occurs, the Contractor shall substitute other work of equivalent value to a certified DBE or provide documentation of good faith efforts to do so.
- (e) TERMINATION AND REPLACEMENT PROCEDURES. The Contractor shall not terminate or replace a DBE listed on the approved Utilization Plan, or perform with other forces work designated for a listed DBE except as provided in this Special Provision. The Contractor shall utilize the specific DBEs listed to perform the work and supply the materials for which each is listed unless the Contractor obtains the Department's written consent as provided in subsection (a) of this part. Unless Department consent is provided for termination of a DBE subcontractor, the Contractor shall not be entitled to any payment for work or material unless it is performed or supplied by the DBE in the Utilization Plan.

As stated above, the Contractor shall not terminate or replace a DBE subcontractor listed in the approved Utilization Plan without prior written consent. This includes, but is not limited to, instances in which the Contractor seeks to perform work originally designated for a DBE subcontractor with its own forces or those of an affiliate, a non-DBE firm, or with another DBE firm. Written consent will be granted only if the Bureau of Small Business Enterprises agrees, for reasons stated in its concurrence document, that the Contractor has good cause to terminate or replace the DBE firm. Before transmitting to the Bureau of Small Business Enterprises any request to terminate and/or substitute a DBE subcontractor, the Contractor shall give notice in writing to the DBE subcontractor, with a copy to the Bureau, of its intent to request to terminate and/or substitute, and the reason for the request. The Contractor shall give the DBE five days to respond to the Contractor's notice. The DBE so notified shall advise the Bureau and the Contractor of the reasons, if any, why it objects to the proposed termination of its subcontract and why the Bureau should not approve the Contractor's action. If required in a particular case as a matter of public necessity, the Bureau may provide a response period shorter than five days.

For purposes of this paragraph, good cause includes the following circumstances:

- (1) The listed DBE subcontractor fails or refuses to execute a written contract;
- (2) The listed DBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards. Provided, however, that good cause does not exist if the failure or refusal of the DBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the Contractor;
- (3) The listed DBE subcontractor fails or refuses to meet the Contractor's reasonable, nondiscriminatory bond requirements;
- (4) The listed DBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness;

- (5) The listed DBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant 2 CFR Parts 180, 215 and 1200 or applicable state law.
- (6) The Contractor has determined the listed DBE subcontractor is not a responsible contractor;
- (7) The listed DBE subcontractor voluntarily withdraws from the projects and provides written notice to the Contractor of its withdrawal;
- (8) The listed DBE is ineligible to receive DBE credit for the type of work required;
- (9) A DBE owner dies or becomes disabled with the result that the listed DBE subcontractor is unable to complete its work on the contract;
- (10) Other documented good cause that compels the termination of the DBE subcontractor. Provided, that good cause does not exist if the Contractor seeks to terminate a DBE it relied upon to obtain the contract so that the Contractor can self-perform the work for which the DBE contractor was engaged or so that the Contractor can substitute another DBE or non-DBE contractor after contract award.

When a DBE is terminated or fails to complete its work on the Contract for any reason, the Contractor shall make a good faith effort to find another DBE to substitute for the original DBE to perform at least the same amount of work under the contract as the terminated DBE to the extent needed to meet the established Contract goal. The good faith efforts shall be documented by the Contractor. If the Department requests documentation under this provision, the Contractor shall submit the documentation within seven days, which may be extended for an additional seven days if necessary at the request of the Contractor. The Department will provide a written determination to the Contractor stating whether or not good faith efforts have been demonstrated.

- (f) FINAL PAYMENT. After the performance of the final item of work or delivery of material by a DBE and final payment therefore to the DBE by the Contractor, but not later than 30 calendar days after payment has been made by the Department to the Contractor for such work or material, the Contractor shall submit a DBE Payment Agreement on Department form SBE 2115 to the Resident Engineer. If full and final payment has not been made to the DBE, the DBE Payment Agreement shall indicate whether a disagreement as to the payment required exists between the Contractor and the DBE or if the Contractor believes the work has not been satisfactorily completed. If the Contractor does not have the full amount of work indicated in the Utilization Plan performed by the DBE companies indicated in the Utilization Plan and after good faith efforts are reviewed, the Department may deduct from contract payments to the Contractor the amount of the goal not achieved as liquidated and ascertained damages. The Contractor may request an administrative reconsideration of any amount deducted as damages pursuant to subsection (h) of this part.
- (g) ENFORCEMENT. The Department reserves the right to withhold payment to the Contractor to enforce the provisions of this Special Provision. Final payment shall not be made on the contract until such time as the Contractor submits sufficient documentation demonstrating achievement of the goal in accordance with this Special Provision or after

liquidated damages have been determined and collected.

- (h) RECONSIDERATION. Notwithstanding any other provision of the contract, including but not limited to Article 109.09 of the Standard Specifications, the Contractor may request administrative reconsideration of a decision to deduct the amount of the goal not achieved as liquidated damages. A request to reconsider shall be delivered to the Contract Compliance Section and shall be handled and considered in the same manner as set forth in paragraph (c) of "Good Faith Effort Procedures" of this Special Provision, except a final decision that a good faith effort was not made during contract performance to achieve the goal agreed to in the Utilization Plan shall be the final administrative decision of the Department. The result of the reconsideration process is not administratively appealable to the U.S. Department of Transportation.



hereby grants

National Women's Business Enterprise Certification

to

West Side Tractor Sales Co.

who has successfully met WBENC's standards as a Women's Business Enterprise (WBE).
This certification affirms the business is woman-owned, operated and controlled and is valid through the date herein.

Certification Granted: November 28, 2023
Expiration Date: November 30, 2025
WBENC National Certification Number: WBE2303473

WBENC National WBE Certification was processed and validated by Women's Business Development Center - Midwest, a WBENC Regional Partner Organization.

Authorized by Emilia DiMenco, President &
CEO Women's Business Development Center -
Midwest



NAICS: 423810
UNSPSC: 22101500, 22101501, 22101502, 22101504, 22101505, 22101507, 22101509, 22101518, 22101521, 22101522, 22101523, 22101524, 22101525, 22101526, 22101527, 22101528, 22101529, 22101532, 22101535, 22101538, 22101539



**WEST SIDE TRACTOR SALES**

3300 Ogden Ave Lisle IL 60532

(630) 355-7150

Adam Roth - Sales Representative - aroth@wstsales.com



May 1, 2025

DE KALB, CITY ST DEPT
164 E LINCOLN HWY
DE KALB, IL

2025 John Deere Snow Blowers CCE Attachment**Governmental Discount***Please note that this quote is valid for 30 days.*

Code	Machine Configuration Description	Unit Price
All the prices in the detailed sections are Per machine basis. Qty (1)		
95K0T	SB84S Snow Blower High Flow / Pressure	16,160.00
	List Price	\$ 16,160.00
	Discount 14.0%	\$ 2,262.40
	Net Price	\$ 13,897.60

	Custom Jobs Description	Qty	Price
	Factory Freight Destination Lisle, IL 60532	1	42.99
	Dealer Provided Delivery	1	700.00
	Labor for field installed kits	1	112.50
	SB84 Back Drag Kit	1	1,794.31
	Total Price	\$	2,649.79

Quote Summary (per unit)

Item Description	Prices
Machine Net Price	\$ 13,897.60
Custom Jobs	\$ 2,649.79
Total Net Price Quantity (1)	\$ 16,547.39

DE KALB, CITY ST DEPT
164 E LINCOLN HWY
DE KALB, IL

2025 John Deere 724 P 4WD Loader
Governmental Discount

Please note that this quote is valid for 30 days.

Code	Machine Configuration Description	Unit Price
All the prices in the detailed sections are Per machine basis. Qty (1)		
6071D	724 P Wheel Loader	400,474.00
0202	United States	-
0259	English	-
0351	Translated Text Labels	-
0400	Standard Loader	-
0452	High Lift Z-BAR	6,760.00
0615	Level 2 Trim - Flat Black Exhaust - 140 Amp Alternator - 30 Amp Converter - LED Work and	5,678.00
	Drive Lights - Premium Seat, Heated and Ventilated with Heavy Duty Air Suspension - Premium AM/FM	-
	Weather Band (WB) with Bluetooth, Remote Aux and Remote USB Port - Tire Pressure Monitoring System	-
	Ride Control	-
0659	Level 4 Performance - Locking Front Differential - Locking Rear Differential - Auto Diff Lock	9,607.00
	Throttle Lock - Wheel Spin Control - 5-Speed Powershift Transmission with Lock-up Torque Converter	-
0952	Rear Camera (Secondary Display)	1,508.00
1100	Less Detection System	-
1603	Steering Wheel and Joystick Steering	5,214.00
1302	Left and Right Side Steps	980.00
183E	JDLINK™	-
2201	Less Payload Scale w/ Cycle Counter	126.00
4067	John Deere 9.0L - FT4/SV	47,397.00
6522	Rear Counterweight & Rear Hitch w/ Pin	-
7026	Joystick Controls	-
7055	Four Function Hydraulics	4,509.00
5128	No Brand Preference - 23.5R25 L3 1-Star Radial Tires	23,246.00
5553	Full Coverage Front Fenders	458.00
7402	Hydraulic Coupler - JRB 418 Pattern	10,321.00
7807	4.75 YD (3.63 CM) Enhanced Performance	15,193.00
7458	Bolt-On Cutting Edge	2,650.00
7500	Less Fork Frame	-
7700	Less Tines	-
8065	Cold Weather Starting - Engine Block Heater - Ether Start Aid	619.00
8295	Heated And Powered Exterior Mirrors	758.00
8501	Debris Package - Automatic Reversing Hydraulic Fan - Cab Fresh Air Precleaner - Engine Air	3,628.00
	Intake System with Centrifugal Precleaner	-
8505	Guards - Transmission & Bottom	2,717.00
8017	23.5R25 L3 1-Star Radial Tires w/ 3 PC Rims - No Brand Preference	-
8082	Electrical Corrosion Prevention Package - Preventive corrosion treatment for use in corrosive	1,518.00
	environments. Preventive corrosion treatment includes dielectric grease for electrical connections and	-
	polyurethane-based sealant on exposed terminals.	-
	List Price	\$ 543,361.00
	Discount 33.5%	\$ 182,025.94
	Net Price	\$ 361,335.07

Custom Jobs Description	Qty	Price
Factory Freight Destination Lisle, IL 60532	1	3,350.00
Dlr provide Pre-Delivery Inspection, Supplies and Fuel Fill	1	2,125.00
Dealer Provided Delivery	1	900.00
Labor for field installed kits	1	300.00
Extended Warranty: • Extended 6 Yr/3000 Hr Comprehensive Warranty Machine Only	1	10,006.00
Strobe Beacon with Mounting Brackets	1	532.30
Total Price		\$ 17,213.30
Quote Summary (per unit)		
Item Description		Prices
Machine Net Price	\$	361,335.07
Custom Jobs	\$	17,213.30
Total Net Price Quantity (1)	\$	378,548.37

Expected Machine Delivery Date: July 31, 2025

Warranty Terms

724 P includes • Full Machine 12 Month -Unlimited Hour Warranty • Extended 6 Yr/3000 Hr Comprehensive Warranty Machine Only



JOHN DEERE

WEST SIDE TRACTOR SALES

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May 1, 2025

DE KALB, CITY ST DEPT
164 E LINCOLN HWY
DE KALB, IL

2025 John Deere 334 P Skid Steer

Governmental Discount

Please note that this quote is valid for 30 days.

Code	Machine Configuration Description	Unit Price
All the prices in the detailed sections are Per machine basis. Qty (1)		
00T0T	334 P-Tier Skid Steer Loader	116,648.00
0202	United States	-
0259	English Operator's Manual	-
0351	Translated Text Labels	-
0952	Rear Camera	-
1100	Less Detection System	-
1362	2-Inch Seat Belt with Shoulder Harness	-
183N	JDLink™	-
5402	14X17.5 14 PR Titan HD2000-II	-
8043	Cold Start Package - Includes Block Heater. (110 volt) Includes Hydrau XR Cold Start Oil for Hydraulics.	335.00
8934	84 In. Heavy Duty Construction Bucket (21.0 Cu Ft) w/ Edge	2,648.00
8039	Rust Preventative	176.00
List Price		\$ 119,807.00
Discount 26.0%		\$ 31,149.82
Net Price		\$ 88,657.18

Custom Jobs Description	Qty	Price
Factory Freight Destination Lisle, IL 60532	1	1,318.69
Dlr provide Pre-Delivery Inspection, Supplies and Fuel Fill	1	1,200.00
Dealer Provided Delivery	1	700.00
Extended Warranty: • Extended 5YR/3000HR PT&H Warranty Machine Only	1	1,516.67
BEACON WARNING & HAZARD LIGHTS	1	447.06
FIRE EXTINGUISHER BRACKET	1	127.86
Total Price		\$ 5,872.77

Quote Summary (per unit)

Item Description	Prices
Machine Net Price	\$ 88,657.18
Custom Jobs	\$ 5,872.77
Total Net Price Quantity (1)	\$ 94,529.95

Expected Machine Delivery Date: August 8, 2025

Warranty Terms

334 P includes • Full Machine Warranty for 24 Mo OR 2000 Hr whichever occurs first • Extended 5YR/3000HR PT&H Warranty Machine Only

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May 1, 2025

DE KALB, CITY ST DEPT
164 E LINCOLN HWY
DE KALB, IL

2025 John Deere Angle Broom CCE Attachment**Governmental Discount***Please note that this quote is valid for 30 days.*

Code	Machine Configuration Description	Unit Price
All the prices in the detailed sections are Per machine basis. Qty (1)		
0304KV	BA96C 96" Angle Broom	9,806.00
	List Price	\$ 9,806.00
	Discount 14.0%	\$ 1,372.84
	Net Price	\$ 8,433.16

	Custom Jobs Description	Qty	Price
	Factory Freight Destination Lisle, IL 60532	1	26.08
	Dealer Provided Delivery	1	700.00
	Labor for field installed kits	1	200.00
	180 DEGREE HOOD EXT KIT	1	1,009.98
	Total Price	\$	2,536.06

Quote Summary (per unit)

Item Description	Prices
Machine Net Price	\$ 8,433.16
Custom Jobs	\$ 2,536.06
Total Net Price Quantity (1)	\$ 10,969.22



3300 Ogden Ave
Lisle, IL 60532
(630) 355-7150 • Fax (630) 355-7173

5/1/2025

DATE

CUSTOMER ORDER#

Adam Roth
SALESPERSON

PURCHASER NAME DE KALB, CITY ST DEPT

ADDRESS: 164 E Lincoln hwy

CITY, STATE, ZIP Dekalb, IL 60115

PHONE# 815-748-2000

QTY	Tag No	DESCRIPTION	PRICE
1	TBD	FMC/14/PW/2/H/H/E/24/N/N/B/ JRB 418 COUPLER, POLY / WIRE ALTBRUSH,	\$ 60,700.00
		OIL COOLER 36" X 168" Poly Wire Dual Motor (40-60 GPM)	\$ -
1		SERVICE TECH TRAVEL TO SITE AND INSTALL BROOM	\$ 6,940.00
		AND START UP	\$ -
1		Freight	\$ 1,350.00
1		Jump Hoses and Couplings	\$ 2,300.00
			\$ -
			\$ -
			\$ -
			\$ -

TRADE-IN:

	\$ -
	\$ -

TAXES*

SALES TAX	\$ -	SELLING PRICE	\$ 71,290.00
COOK COUNTY USE		LESS TRADES-IN(S)	\$ -
COOK COUNTY RETAIL		SUBTOTAL	\$ 71,290.00
		TOTAL TAXES*	\$ -
TOTAL TAXES*	\$ -	SUBTOTAL	\$ 71,290.00
RENT TO APPLY**		TOTAL RENT TO APPLY	\$ -
RENTALS BILLED	\$ -	CASH DOWN PAYMENT	\$ -
LESS SERVICE CHARGE	\$ -		
TOTAL RENT TO APPLY**	\$ -	BALANCE DUE	\$ 71,290.00

TERMS: ON DELIVERY _____ CONDITIONAL SALES CONTRACT
NOTES: _____

MAKE CHECKS PAYABLE TO:
"WEST SIDE TRACTOR SALES"

WARRANT _____ F.O.B. _____

ALL NEW EQUIPMENT IS SOLD UNDER THE STANDARD WARRANTY, IF ANY, OF THE MANUFACTURER.

ALL DELIVERIES ARE SUBJECT TO DELAYS CAUSED BY ACTS OF GOD, FIRES, STRIKES, WAR, INSURRECTION OR ANY OTHER CAUSE BEYOND THE REASONABLE CONTROL OF OURSELVES OR THE MANUFACTURER

IT IS UNDERSTOOD THAT THIS ORDER CONSTITUTES THE ENTIRE CONTRACT AND SHALL NOT BE BINDING UNTIL OFFICIALLY ACCEPTED BY THE WEST SIDE TRACTOR SALES CO. PURCHASER HAS READ AND UNDERSTANDS WARRANTY TERMS AND REVERSE SIDE.

IF A TRADE-IN IS A PART OF THIS PURCHASE ORDER, "PURCHASER" HEREBY CERTIFIES THAT SUCH TRADE-IN(S) IS FREE AND CLEAR OF ALL LIENS OR ENCUMBRANCES EXCEPT AS SHOWN ABOVE.

YOUR ARE HEREBY AUTHORIZED TO ENTER THE ABOVE ORDER FOR THE UNDERSIGNED

Adam Roth
SalesPerson

PURCHASER: DE KALB, CITY ST DEPT

ACCEPTED FOR WEST SIDE TRACTOR SALES CO.

BY: _____

BY: _____
Sales Manager

DATE: _____
Revision 6/19/18



A Hydraulic Broom for Loaders snow • dirt • debris



Specifications

General

Hydraulically driven rotary angle broom
Available in 13' (156") and 14' (168") widths
Hydraulic swing capable of 30° left or right of center
Broom speed up to 347 RPM, dependent on prime mover
Storage stands for simple mounting, dis-mounting, and storage
Brush head is lifted by means of the prime mover
Parallel arm flotation system to help maintain consistent brush pattern
Hoses provided from hydraulic drive motors to bulkhead or valve on broom
Customer must supply hoses from bulkhead or valve to prime mover

Brush

36" O.D x 10 .75" I.D wafer style brush
2" spacers manufactured from 20-gauge mild steel strap
Brush core can be installed with either end to the left or right with no effect on sweeping performance
Brush and core assembly can be removed from frame without disconnecting hoses from drive motor(s)
Quick change brush core

Deflector

In cab operated hydraulic deflector

Brush Drive

Standard with dual low-speed, high-torque hydraulic motors
Motors are coupled directly to the brush core by means of a keyed tapered hub

Casters

Two 180/70R8 radial 16 ply casters mounted behind the brush frame
360° of maneuverability
Sealed and greaseable

Finish

Steel surfaces undergo a phosphatizing acid bath to clean and etch the surfaces to provide superior adhesion
Epoxy primer and polyurethane topcoat
Painted M-B yellow

Available Options

Electric/Hydraulic Swing
Sprinkler Systems
Oil Cooler

www.m-bco.com



1.800.558.5800

Note: Additional fees may apply (freight, export fees, dealer or factory installed hoses, valves and couplers, installation and service fees).
Equipment and products shown in this literature are for demonstration purposes only. Actual products offered for sale may vary in use, design, requirements and safety features.
M-B Companies reserves the right to improve our products and make revisions in designs, specifications and standards for equipment without notice and without incurring obligations.
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724 P-tier Standard Equipment

POWER TRAIN:

5 Speed Transmission
Torque Converter
Electronically Controlled Fully
Automated Shift System
Quick Shift Button on Loader
Control Lever with 2 Selectable
Modes
Automatic / Manual Shift Modes
Programmable Maximum High Gear
Adaptive Clutch-Cutoff
Clutch Calibration Engaged from
Monitor
100% Locking Front and Conventional
Rear Differentials with Inboard
Mounted Heavy Duty Planetary Gears
Heavy Duty Self Adjusting Front and
Rear Power Brakes
Electrically Actuated Automatic
Spring Applied, Hydraulically
Released, Wet Multi-Disc Park Brake
Transmission Fill Tube and Sight
Gauge
2000 Hour Transmission Filter
Wheel Spin Control System

COOLING:

Quad-Cool System:
Heavy Duty, Trash Resistant
Radiator and High Ambient Cooling
Package
2 Side access to all Coolers
Cooling System isolated from Engine
Compartment
Engine Radiator
Integral Engine Oil Cooler
Hydraulic Oil Cooler (Oil to Air)
Transmission Oil Cooler (Oil to
Air)
Front and Rear Axle Coolers with
Axle Oil Filtration
Charge Air Cooler (Air to Air)
Coolant Recovery Tank
Antifreeze, -34F (-37 C)
Cool-on Demand Swing out Fan
Enclosed Fan Safety Guard

HYDRAULICS:

Pressure Compensating Load Sensing
Hydraulic System

2 Function Hydraulic Joystick with
FNR Control
Ride Control, Automatic with
Monitor Adjustable Speed Settings
Automatic Return to Dig
In Cab Adjustable Automatic Boom
Height Kickout / Return to Carry
Hydraulic Function Enable / Disable
Hydraulic Reservoir with Sight
Gauge and Fill Strainer
Hydraulic Diagnostic Ports
4000 Hour In-Tank Filter

ELECTRICAL:

24 Volt Electrical System
Solid State Electrical Power
Distribution System
(2) Heavy Duty Batteries - each 950
Cold Cranking amps/190 minute
Reserve Capacity
Lockable Master Electrical
Disconnect Switch
Battery Terminal Safety Covers
Pre-wired for Beacon/Strobe Light
Lights:
(2) Halogen Driving Lights with
Guards
(4) Front and (2) Rear Work Lights
LED Turn Signals and Flashers
LED Stop and Tail Lights
Horn, Electric
Reverse Warning Alarm
Voltage Converter for 24V to 12V /
8 Amps
Multi-Function / Multi-Language LCD
Color Monitor includes:
DIGITAL INSTRUMENTS
ANALOG Display:

Hydraulic Oil Temperature
Engine Coolant Temperature
Transmission Oil Temperature
Engine Oil Pressure
DIGITAL Display:
Engine RPM
Transmission Gear / Direction
Indicator
Hour Meter
Fuel Level
DEF Level
Speedometer
Odometer
Outside Temperature
Indicator Lights for Standard and

Selected Options
Indicator Lights For Amber Caution
and Red Stop
Operator Warning Messages
BUILT-IN DIAGNOSTICS:
Diagnostic Code Details
Sensor Values
Calibrations
Individual Circuit Tester
MENU DISPLAY:
Codes
Machine Settings
Diagnostics
Monitor Settings

OPERATOR'S STATION:
ROPS Quiet Cab with Heater and Air
Conditioning
Defroster and Pressurizer
Front and Rear Intermittent
Windshield Wipers and Washers
(1) Inside and (2) Outside Rear
View Mirrors
Left and Right Rear Side Opening
Windows
Sun Visor
Keyless Start with Multiple
Security Modes
Sealed Switch Module with Function
Indicators
Seat with Back Rest Extension, Deep
Foam, Fabric Cover, Adjustable Air
Suspension for Weight/Height with
Fore-Aft Adjustment and Adjustable
Arm Rests
Hydraulic Controls Integrated to
Seat
3 Inch High Visibility Blaze Orange
Seat Belt with Retractor
(2) Cup Holders
Lunch box (Cooler) Holder
LED Dome and Reading Light
12 Volt Power Port
Radio Ready
Rubber Floor Mat
Tilt Steering Column
Textured Steering Wheel with
Spinner Knob
Operator's Manual Storage
Compartment
Left Side Operator Station Access
Slip-Resistant Steps and
Ergonomically Located Handholds

Overall Vehicle:**NeverGrease Rear Axle Oscillation****Joints****Front and Rear Tie Downs****Front Fenders****Rear Hitch with Locking Pin****Articulation Locking Bar****Boom Locking Bar****40 Degree Steering Articulation to****Each Side with Rubber Cushion Stops
on Frame****Vandal Protection With Lockable****Engine Enclosures, Right****Counterweight Compartment, Battery
Box, Filler Access for****Radiator/Fuel/Hydraulic/Transmission****Right Side Service Steps and Handholds****Right and Left Platform Handrails****Storage Compartment****Fuel Tank Fill Strainer****Heavy Duty Fuel Tank Guard****Ground Level Fueling and DEF**

SB84S Snow Blower High Flow / Pressure

Product Features

In-Base Option Codes

Features:

Two-stage hydraulic snow blowers are ideal for clearing snow from roadways, parking lots, driveways, or sidewalks by throwing snow up to 13.7 m [45 ft].

Direct drive motors at the auger and impeller provide robust and reliable performance

High-volume intake shroud maximizes snow clearing productivity

Hydraulically actuated, dual articulated chute and deflector enable easy snow placement from in-cab controls.

Easily adjustable skid shoes set cutting edge height to accommodate different surface types

Replaceable bolt-on wear-resistant tapered steel edges and poly edges are available

Serrated auger to cut through the toughest of snow conditions

Specifications:

Skid steer coupler attachment interface

1/2 in. quick connect couplers

14-pin electrical connector

1090 lb. [500 kg] overall weight

49 in. [1245 mm] overall length

89 in. [2260 mm] overall width

84 in. [2135 mm] intake width

34 in. [865 mm] intake height

45 ft. [13.7 m] max. throw distance

Hydraulic Specifications:

35 - 45 gpm [132-170 l/min] hydraulic flow range

4200 psi [29000 kPa] maximum operating pressure

334 P-tier Standard Equipment

Package Includes:

2 Speed

EH Joystick Performance Package (Selectable Propel Speeds, Creeper Mode, Boom/Bucket Speed, Attachment Controls)

EH Boom Performance Package Including Adjustable Joystick Pods (EH Self-Level Up/Down, Return-to-Dig, Return-to-Carry, Boom-Height-Kickout)

High Flow

Ride Control

Power Quik-Tatch

Enclosed Cab (A/C, Heat, Defrost)

High Back Air Suspension Seat (Heated and Vented Cloth)

Deluxe Lights (LED)

Reversing Fan

Advanced Touch Screen Display (8 In.)

AM/FM Radio w/Bluetooth (Streaming and Hands-Free Calling)

Chrome Exhaust

Single Counterweight

Engine Air Precleaner

Heavy Duty Rear Grille

Engine:

4 Cylinder Turbo-Charged

Electronic Injection System

Auto Idle

Glow Plugs

Automatic Engine Shutdown with Alarm

Tri-Cool Engine and Hydraulic cooling package

Hydraulic Cool-on-Demand Variable Speed Fan

Dual Element Air Cleaner

Auto Fan Belt Tensioner

John Deere "Cool Gard II" Extended Life Anti-Freeze

John Deere Plus 50 10w30 engine oil

5 Micron fuel filter with Water Separator

100 Micron secondary fuel filter

26 Gallon (97 L) Fuel Tank

3.9 Gallon Def Tank

Final Drive System and Undercarriage:

2-Speed Transmission

Servo Radial Piston Hydrostatic Pumps

Radial Piston Hydrostatic Motors

Four Wheel Drive

Four 100 HD continuous loop chain drive

Spring applied, hydraulically released wet-disk park brake

Gauges and Instruments:

Keyless Start Sealed Switch Module

Fuel Gauge

Engine Coolant Temperature

Operator Selectable 8 Inch Touchscreen:

Grade Indication

Attachment Manager

Hourmeter
Engine RPM
Battery Voltage
Engine Coolant Temp.
Hydraulic Oil Temp.
Job Clock
Service Codes
Diagnostic Codes
Configuration Codes

Indicator Warning Lights:

Battery Not Charging
Hydraulics Locked Out
Park Brake Illumination
Hydraulic Oil Over Temp
2-Speed Engaged
Air Filter Restriction
Hydraulic Oil Filter
Restriction
Lap Bar Switch
Seat Switch
Door Open Switch
Engine Preheat
Low Engine Oil Pressure
Automatic Engine Preheat

Electrical:

12-Volt Electrical Battery
925 cca w/150 minute reserve capacity
Alternator 70 Amp
Deluxe Lights (LED), 4 Front and 1 Rear
Programmable courtesy lighting shutoff system

Hydraulics:

3-Spool Open Center Valve
System Pressure up to 4000 psi
5 Micron Hydraulic Filter
John Deere Boom & Bucket Cylinders w/Cushioned Boom
Connect-under-pressure auxiliary hydraulic couplers (1/2" and 3/4" Size)
Loader Arm, Bucket, & Auxiliary Hydraulic Lockout system
Auxiliary Hydraulics Lock-out Override
Boom Float

Performance Characteristics:

Gross Horsepower 118 HP (88 Kw)
Tipping Load 6,500 lbs. (2,951 kg) w/ 84 in. Construction Bucket & 1 Standard Counterweight Set
Rated Operating Capacity 3,250 lbs. (1,476 kg) w/ 84 in. Construction Bucket @35% Tipping Load
Tipping Load 8,000 lbs. (3,632 kg) w/ 60 in. Foundry Bucket & 1 Standard Counterweight Set
Rated Operating Capacity 4,000 lbs. (1,816 kg) w/ 60 in. Foundry Bucket @35% Tipping Load
Hydraulic Pump Flow up to 44 gpm (167 L/m)
Machine Operating Weight 10,264 lbs. (4,660 kg) *Mass Roll-up based on Rep Machine w/o Bucket and w 175 lb. operator and full fluids w/ 14x17.5 Galaxy Hulk Tires
Travel Speed Low 7.5 mph (12.1 km/h)
Travel Speed High 12 mph (19.3 km/h)

Construction Bucket Breakout Force 7,400 lbs. (3,360 kg) w/ 78 in. Construction Bucket
Boom Breakout Force 9,500 lbs. (4,313 kg) w/ 84 in. Construction Bucket
Width without Attachment 76.6 in. (1.95 m) w/ 14x17.5 Galaxy Hulk Tires
Length without Attachment 125 in. (3.18 m)
Height to Top of ROPS 87 in. (2.21 m)
Height to Hinge Pin 132 in. (3.35 m)

Operator Protection/Comfort:

Enclosed Cab (A/C, Heat, Defrost)
In-Cab Boom Lockout System
Adjustable Interlocking Operator Presence Lap Bar System
Retractable Seat Belt
Rearview Mirror
Back-up Alarm
Horn
Deluxe Headliner
12V power port
Cell Phone cargo net storage
Interior Dome Lighting
Cup Holder
Grab Handles for Easy Entry / Exit
Top and Rear Windows
Convenient Tie Downs

Attachment Coupler:

John Deere patented Quik-Tatch system (no grease required)

Warranty:

John Deere 2 years/2000 hours

**STANDARD AGREEMENT FOR CONSULTANT SERVICES AT ILLINOIS AIRPORTS
FOR ARCHITECTURAL/ENGINEERING (A/E), PLANNING AND SPECIAL SERVICES**

Authorized for use by
The Illinois Department of Transportation
Division of Aeronautics
Effective: June 2012

<input type="checkbox"/> Preliminary Assessment and Schematic Design	<input type="checkbox"/> Construction Phase Services
<input checked="" type="checkbox"/> Design Phase Services	<input type="checkbox"/> Planning and Special Services

THIS AGREEMENT, made at DeKalb, Illinois, this 7th day of June in the year 2025 by and between the City of DeKalb (hereinafter referred to as the "Sponsor"), and Crawford, Murphy and Tilly, Inc. (hereinafter referred to as the "Consultant"). This Agreement expires 5 years from the date of execution.

WITNESSETH

The Sponsor intends to undertake the accomplishment of a project pursuant to the development of a public air navigation facility known as the DeKalb Taylor Municipal Airport (DKB) in DeKalb County, state of Illinois; and the project shall be identified as the Illinois Project No. DKB-4906; AIP Project No. N/A; The following is the detailed project title and description from the Illinois Department of Transportation's Office of Planning and Programming (OP&P) program letter which shall be carried through the development of the project (attach supplemental information as necessary in Section I.H., Detailed Scope of Services):

Acquire Airport Runway Broom

A detailed sketch of the proposed work, labeled ATTACHMENT P, shall be attached.

In consideration of the benefits which will accrue to the parties hereto by virtue of the Agreement and the respective covenants herein contained, IT IS MUTUALLY COVENANTED AND AGREED as follows:

The Consultant agrees to furnish executed "Certification of Engineer" and certain professional engineering services enumerated herein-after, in connection with the implementation and development of the aforesaid project.

The Department of Transportation, Division of Aeronautics within the state of Illinois shall act as Agent of the Owner/Sponsor for all matters involving the development of any public air navigation facility by virtue of the Illinois Aeronautics Act. The Illinois Aeronautics Act requires and directs the Illinois Department of Transportation, Division of Aeronautics (hereinafter referred to as the "Department") to "*regulate and supervise aeronautics within this state*", with "*aeronautics*" defined as "*...the design, establishment, construction, extension, operation, improvement, repair or maintenance of airports...*". The Department shall not expend any funds appropriated, or made available for any work upon any such project that is not contracted for and constructed or developed under the supervision or direction of the Department. Financial assistance may include reimbursement to eligible airport Sponsors for engineering costs directly related to projects financed in whole or in part by federal/state monies provided such engineering costs were approved by the Department prior to the payment of these costs by the airport Sponsor. The approval of engineering costs prior to payment shall qualify those costs for federal/state reimbursement but shall not constitute an obligation of federal/state funds.

Since the services contemplated under this Agreement are professional in nature, it is understood that the Consultant, acting as an individual, partnership, firm or other legal entity, is of professional status and will be governed by professional ethics in their relationship to the Department and the Sponsor. The Department acknowledges the professional and ethical status of the Consultant by approving this Agreement and the associated fees for federal/state eligibility (either in whole or part) on the basis of their qualifications and experience and determining their compensation by mutually satisfactory negotiations.

Any additions/deletions, revisions/modifications to this Agreement without the expressed written consent of the Department shall void this Agreement as it relates to state and federal funding participation eligibility.

I. ARCHITECTURAL/ENGINEERING (A/E), PLANNING AND SPECIAL SERVICES

The Consultant agrees to perform various professional engineering and planning services and provide necessary and required information pursuant to the accomplishment of the above referenced project.

It is understood that meetings will be common to all phases. The Consultant will coordinate project kick-off, pre-design and pre-construction meetings and project status update meetings, as required, in order to resolve project issues with the Department, Sponsor and/or other regulatory and review agencies. The Department shall be notified of scheduled agency meetings and given the opportunity to participate. Meetings for which effort will be billed shall be thoroughly documented by minutes with copies distributed to the Sponsor and the Department within 10 days of the meeting. Failure to properly document meeting discussions could result in the loss of part or all of the professional services compensation eligibility associated with this activity.

A. PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN – Included with Paragraph I.B

This phase includes activities required for agency coordination and permit development, non-routine surveys, testing and architectural/engineering preliminary design considerations of a project. Elements of this phase may include development of architectural schematic building designs and reports, non-routine geological and field investigations (soil borings and pavement cores), DCP testing, FWD testing (when used to evaluate pavement as part of a strengthening project), coordination of FAA reimbursable agreements, coordination of utility relocation agreements, coordination of force account activity (must be pre-approved by the Department in writing).

The Consultant shall furnish and/or perform engineering reconnaissance necessary for the preparation and development of an engineering report, bidding documents (design plans and specifications) including topographic field surveys, crack surveys, and sampling and testing for routine soils investigations (in accordance with ATTACHMENT J – Testing Schedule & ATTACHMENT K – Testing Rates & Cost Summary).

This phase will culminate in the submittal of a detailed engineering report with project alternatives and design recommendations and project completion timeline assessment.

The Consultant shall furnish an engineering report in accordance with standard practices and the provisions of ATTACHMENT E – Engineering Report. The report will include an analysis of preliminary surveys, geotechnical testing and alternative designs and include final project design recommendations.

The project completion timeline assessment will identify necessary effort required to complete the final project design (complete construction plans and specifications). This phase of project development will represent approximately 35% of the project design timeline. Project formulation should be consistent with the TIP submittal and the program letter project description (ATTACHMENT R). If not, identify components that have changed as a result of the preliminary assessment and schematic design analysis.

A detailed scope of services shall be attached with anticipated labor effort and costs delineated in ATTACHMENTS A / A1.

B. DESIGN PHASE SERVICES

This phase shall include activities required to accomplish a project design in accordance with the established Aeronautics letting schedule project design timeline and approved letting date determined at the pre-design meeting. Requests for time extensions beyond the previously agreed-to submittal deadline dates (as established in the Department's Letting Schedule, ATTACHMENT Q, and this Agreement) must be made to the Department in writing not less than 5 days prior to the due date of the submittal. The request for extension must be signed by a principal/officer of the Consultant's firm. Incomplete submittals will not be accepted.

Milestone submittals include the engineering report (at 35% design timeline), plan / spec review (at 80% design timeline) and final submittal of all deliverables (at 100% design timeline). A detailed scope of services shall be attached with anticipated labor effort and costs delineated in ATTACHMENTS B / B1. Elements of this phase may include:

1. CONSTRUCTION PLANS, SPECIAL PROVISIONS AND ESTIMATES

The Consultant shall prepare and furnish for Department review and comment construction plans, special provisions and construction Safety Plan (per guidance explained in FAA AC 150/5370-2F (or current) Operational Safety on Airports during Construction) at the 80% project design timeline with detailed estimate of costs, estimated DBE participation goal and working/calendar day flow chart, for the particular design authorized in this Agreement.

2. CLARIFICATION OF PLANS

The Consultant shall render clarification of the construction plans and specifications, when and if such clarification is deemed necessary.

3. BIDDING ASSISTANCE

The Consultant shall assist the Sponsor and/or Department in the bidding process, analyze and summarize bid results.

C. CONSTRUCTION PHASE SERVICES – Not included in this agreement

This phase shall include all basic services after the award. A detailed scope of services shall be attached with anticipated labor effort and costs delineated in ATTACHMENTS C / C1.

1. OFFICE ENGINEERING

a. SHOP DRAWINGS

Review the detailed construction, shop and erection drawings submitted by the contractor(s) for compliance with design concepts.

b. SUPPLEMENTARY SKETCHES

Preparation of elementary and supplementary sketches plus estimates required to resolve actual field conditions.

c. RECORD DRAWINGS

The Consultant shall prepare Record Drawings within thirty (30) days after the official Notification from the Department of the Official Acceptance of the Construction Work; and after approval by the Department, furnish said Department with one (1) set of such record drawings. The submittal format shall be in accordance with the current policies of the Department.

d. MATERIALS CERTIFICATION

Prior to reporting a pay item quantity for payment, the materials used and incorporated in, or associated with the pay item, shall be verified for specification compliance by the Consultant. The Consultant shall obtain and review all certifications and/or test results required by the policies of the Department and the Department's *Manual for Documentation of Airport Materials*. At the completion of, or any time prior to the completion of the final quantity of a pay item, the Consultant shall submit the aforementioned material certifications and/or test results, that were utilized for acceptance of material, to the Department for review and final approval. Prior to final payment of engineering services under this agreement, the Consultant shall have submitted required certifications and test results to the Department, and the Consultant shall have signed the Department's MATERIALS CERTIFICATION FORM.

2. FIELD ENGINEERING

a. RESIDENT ENGINEER APPROVAL

The Consultant agrees to furnish the name and qualifications of the Resident Engineer in writing for approval of the participating agencies prior to the preconstruction conference that shall attend said preconstruction conference and shall perform the various professional engineering services required of the Resident Engineer in 2.b. thru 2.f. below and inspection of construction.

b. DAILY DIARY

The Resident Engineer shall maintain a daily diary. Copies shall be forwarded to the Department (ATTACHMENT F).

c. DUTIES OF RESIDENT ENGINEER

Furnish full time (unless part time is approved by the Sponsor and/or Department) Resident Engineering of construction including project inspection, field testing, and furnish surveying at the site of the work, whose duties shall include all reasonable, proper and customary duties as are usually and customarily furnished in connection with the general engineering of construction of such improvements, including but not limited to the following:

- i. Performance of acceptance and quality assurance tests when required by Department policy and/or contract specification. Examples of these tests include but are not limited to: Testing concrete for slump and air content; testing concrete for strength; testing bituminous concrete pavement for density using the nuclear method and using the Bulk Specific Gravity Method. Obtaining representative samples of miscellaneous materials such as paint, geotextile fabric, joint sealer, epoxy, polyester resin, etc. for testing as necessary, and/or as directed by the Department; performance of field density tests of earthwork embankments, backfills and subgrade; field density tests of subbase and base courses, and moisture content tests on materials where applicable; and, laboratory proctor tests where applicable. Test Reports shall be submitted to the Department within three (3) working days of the date the test was conducted.
- ii. Inspection/Measurement/Oversight of construction to determine that the work was completed in substantial conformance with the approved plans and specifications, and in compliance with the requirements set forth in the contract documents. All stop or start work orders shall be issued by the Department; the Resident Engineer shall recommend the orders. Document pay item quantities reported for pay in accordance with the latest revision of the Department's *Airport Construction Documentation Manual*.
- iii. Preparation and forwarding to the Department of periodic project reports required by the Department. Bi-weekly construction reports will be submitted to the Department, within three (3) calendar days of the end of the contractor's work week.
- iv. To obtain and review for specification compliance, material certifications and/or test results for all materials prior to their use in the construction.
- v. To reject for inclusion in the project, any materials that are delivered without certification and/or test results, or materials delivered with certification that has been found to be in noncompliance, or any defect found through visual inspection which renders the material unsuitable for inclusion in the project. The Department shall be notified when any rejections are made. Materials that are delivered without certification and/or test results may be stockpiled or

stored in a manner acceptable to the Resident Engineer until such time as the certification and/or test result arrive and are reviewed and accepted by the Resident Engineer.

- vi. Preparation of Reports required per the Sponsor's NPDES permit while providing on-site services, retaining all support documentation.
- vii. Participate in audits performed to determine that the project is proceeding accordingly per the plans and specifications and adhering to AIP grant requirements.

d. FINAL INSPECTION

Initiate a request, upon substantial completion of all construction work, for a final inspection by the Department. When necessary, a punch list of uncompleted items and electrical checklist (if applicable) on the project shall be established at the final inspection. Submit a final acceptance letter (punch list complete) which shall certify to the Department and the Sponsor that, to the best of the Consultant's knowledge, information and belief, the work involved has been done in substantial conformance with the plans, specifications, and Contract Document, as the same shall have been modified, or supplemented by change order, supplementary contract or otherwise, and that such work is acceptable.

e. SAFEGUARD THE SPONSOR

Endeavor to safeguard the Sponsor against any defects and deficiencies on the part of the Contractor. The Resident Engineer does not guarantee the performance of the contract by the Contractor, except that the Resident Engineer shall ensure that, to the best of the Resident Engineer's knowledge, information and belief, the work has been done in substantial conformance with the approved plans and specifications and advise the Sponsor and/or the Department in writing of any known noncompliance set forth in the contract. This does not in any way mean that the Resident Engineer is a guarantor of the Contractor's work. The Resident Engineer assumes no responsibility for safety in, on or about the job site, nor shall the Resident Engineer have any responsibility for the safety or adequacy of any equipment, building component, scaffolding, forms or other work aids provided by the contractor; nor is the Resident Engineer responsible for the superintendence of the contractor's work or any acts of the contractor.

f. OTHER ENGINEERING SERVICES

Furnish other Engineering Services which may be required by the Sponsor, including surveys, sub-surface investigations, sampling, testing, and analysis of soils, offsite inspection of materials, laboratory testing, and inspection and control at central mixing plants. Where tests must be conducted by commercial laboratories, only those laboratories approved by the Department will be utilized. If any of these services are conducted by outside firms, the Resident Engineer shall submit copies of the executed contract for such services as specified in Section III.B., of this Agreement. The charges for such services shall be specified in the contract and will remain in effect until completion of the services and acceptance by the Consultant. Certified copies of the results of all tests required by the Department under this paragraph are to be mailed to the Department within five (5) calendar days after the tests are completed.

g. FINAL QUANTITIES

Final quantities associated with the accepted construction work shall be submitted to the Department within thirty (30) days after final acceptance of the construction work.

D. PLANNING AND SPECIAL SERVICES - Included with Paragraph I.B

This phase may involve activities or studies unrelated to or outside of the scope of basic design and construction phase engineering services routinely performed by the Consultant. Those activities may include master plan and airport layout plan development, environmental studies and assessments, PCI surveys, FWD testing (when used to evaluate pavement as part of a publication revision), first-order NGS monument surveys, boundary surveys, aeronautical surveys, photogrammetric surveys and topographic mapping, preparation of property ownership plats and easements, appraisal and land acquisition services, benefit / cost analysis studies, RSA determination studies, drainage studies and analyses, FEMA/FIRM map revisions and GIS updates. A detailed scope of services shall be attached with anticipated labor effort and costs delineated in ATTACHMENTS D / D1.

E. ENDORSEMENT OF DOCUMENTS

The Consultant will endorse and seal all final draft reports, contract plans, maps, right of way plats, and special provisions for construction contract documents. Such endorsements must be made by a person, duly licensed or registered in the appropriate category by the Department of Financial and Professional Regulation of the state of Illinois, being employed by the Consultant and responsible for the portion of the services for which license registration is required. These sealed documents will serve as the record documents for the services covered by the terms of the Agreement.

F. DELIVERABLES

At a minimum, the Consultant shall provide the Department (copy Sponsor upon request) the following deliverables:

1. Final project estimate of costs complete w/ professional services fees and sponsor reimbursement estimates.
2. DBE participation goal and breakout of DBE work.
3. QA verification of ELM Engineers Estimate for Schedule of Prices.
4. Calendar day estimate of construction and detailed breakout of critical work items and associated production rates.
5. One set of final construction plans (half-size) and special provisions – sealed by the Consultant and executed by the Sponsor.
6. One copy of the construction Safety Plan (per guidance explained in FAA AC 150/5370-2F (or current) Operational Safety on Airports during Construction).
7. Original executed Consultant Project Certification (ATTACHMENT N).
8. Executed DBE Final Documentation (ATTACHMENT O).
9. Electronic copy/access of all information (via CD, electronic submittal or ftp site).

G. NOTICE-TO-PROCEED (NTP)

The Consultant shall not commence any phase of the work until the “official notice-to-proceed” (NTP) has been issued in writing either by the Sponsor or Department (via Office of Planning and Programming).

Services to be performed by the Consultant under this Agreement shall become eligible for funding participation consideration as of the date of the written NTP. The execution date of the consultant retainer agreement or the execution date of a consultant agreement for a single project after consultant selection if not included within the retainer agreement, shall constitute the NTP. The Consultant shall schedule a project phase kick-off meeting (pre-design, pre-construction, etc) with the Sponsor and the Department at the earliest possible convenience upon the Sponsor’s receipt of this letter.

For projects not covered by a program letter or with program letter pending, the Sponsor is fully liable for all costs incurred as a result of such authorization pending future reimbursement once the project is programmed and a program letter is issued. The Sponsor/Consultant is required to schedule a project phase kick-off meeting (pre-design, pre-construction, etc) with the Sponsor and the Department at the earliest possible convenience.

A copy of the program letter shall be included as ATTACHMENT R of this Agreement.

In the absence of a written, dated notice-to-proceed, the execution date of this Agreement shall be used to determine the eligibility of service dates.

The Sponsor and the Department are not liable, and shall not authorize payment to the Consultant, for any services performed prior to the date of notice to proceed or the execution of this Agreement (whichever takes precedent). All effort, regardless of the notice-to-proceed authorization, is subject to review and eligibility funding determination.

H. DETAILED SCOPE OF SERVICES

Under this agreement the Engineer will provide design phase services as outlined herein for the proposed project known as **Acquire Airport Runway Broom**.

The design phase engineering effort contained within this agreement has been based on the following additional scope related parameters, understanding of proposed improvements and anticipated level of effort:

- I. General
 - a. The project schedule is based on the anticipation that the project will be locally let with letting date no later than April 30, 2025.
- II. Project Improvements
 - a. Acquire Snow Removal Equipment
- III. Special Services
 - a. Minor coordination on ALP Authority Review Determination
 - b. Anticipation that project will be an Administrative CATEX – only minor coordination with IDA is anticipated
 - c. No Airspace submittal is anticipated

The anticipated effort and estimated manhours for each Task is defined within Attachments B, B-1, B-2 and B-3 contained within this contract.

II. CONSULTANT COMPENSATION

The Sponsor agrees to pay the Consultant as compensation for rendering the professional services hereinabove described and submitted using the standard Department invoice forms (ATTACHMENTS G & H). Burden and overhead rates entered into this Agreement shall be in effect for the length of the agreement and will not be adjusted, except as may be determined under an audit of costs by the Auditor General or the Department. The rates used in this Agreement shall be the latest audited or provisional approved rates by IDOT as of the date of execution of this Agreement (approval letter must be attached). Should the rate change in the time between the final approval notification of fees and the execution of this Agreement, hours will be adjusted accordingly so that there is no increase in the final approved not-to-exceed amount.

Any professional services effort performed beyond the not-to-exceed limits expressed below, and for which a future amendment will be sought, will be performed under all Agreement provisions as the original contracted work. The dollar value of such effort is not considered approved for payment until review and approval by the Department.

A. PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN – Compensation Included in Paragraph II.B

For services outlined in Section I.A., Preliminary Assessment and Schematic Design, and further detailed in Section I.H., Detailed Scope of Services,

1. a lump sum payment of \$ N/A (representing approximately 35% of the total estimated professional services compensation for design phase services as determined from the TIP request). The fee shall be paid as a lump sum when the preliminary assessment and schematic design phase deliverables (outlined in Section I.A.) are approved and accepted by the Department.

B. DESIGN PHASE SERVICES

For services outlined in Section I.B., Design Phase Services, and further detailed in Section I.H., Detailed Scope of Services,

1. a cost plus a fixed payment of \$ \$2,530.00

total amount not to exceed \$ \$20,000.00 unless a major change or addition to the scope of services is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The payment of this fee shall be made in monthly installments submitted by the Consultant and approved by the Department. The final charges shall be submitted after the Design Phase Services have been performed, approved and all deliverables accepted by the Department in accordance with the guidance outlined in Section I.F. This period of time expires 30 days after award of the construction contract. Any submittal after this time shall not be considered eligible for payment / reimbursement by the Department unless extended by the Department.
2. a lump sum payment of \$ N/A unless a major change or addition to the scope of work is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The fee shall be paid as a lump sum when the design phase deliverables (outlined in Section I.F.) are approved and accepted by the Department.

C. CONSTRUCTION PHASE SERVICES – Not included in this Agreement

For services outlined in Section I.C., Construction Phase Services, and further detailed in Section I.H, Detailed Scope of Services,

1. a cost plus a fixed payment of \$ N/A

total amount not to exceed \$ N/A unless a major change or addition to the scope of work is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The payment of this fee shall be made in monthly installments submitted to and approved by the Sponsor (and/or Department if applicable). The final charges shall be as soon as possible after official notification from the Consultant of the acceptance of the construction work. A time line will be submitted at each billing cycle after 50% which will indicate a projection of the completed engineering fee vs. the contractor's progress.

If more than one contract exists for the project, the monthly invoices submitted by the Consultant shall detail the amounts of work accomplished under each separate contract. The invoices shall also indicate the dates that the services were performed. If these services are furnished by the Consultant by obtaining such services outside the Consultant's organization, the Consultant shall be reimbursed at his actual cost for obtaining these services. However, the total payment to the Consultant shall be within the

"not to exceed" amount as previously stated unless an amendment to this agreement is approved by the Sponsor (and/or Department if applicable).

D. PLANNING AND SPECIAL SERVICES - Compensation Included in Paragraph II.B

For services outlined in Section I.D., Planning and Special Services, and further detailed in Section I.H., Detailed Scope of Services,

1. a cost plus a fixed payment of \$ N/A

total amount not to exceed \$ N/A unless a major change or addition to the scope of work is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The payment of this fee shall be made in monthly installments submitted to and approved by the Sponsor. The final charges for the Special Services Phase shall be submitted within forty-five (45) days after official notification from the Consultant of the acceptance of the construction work or within 45 days after official notification from the Department of acceptance of other non-construction projects unless extended by the Department.
2. a lump sum payment of \$ N/A unless a major change or addition to the scope of work is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The fee shall be paid as a lump sum when the deliverables are approved and accepted by the Department.

III. SPECIAL CONDITIONS

The Consultant shall render the services in accordance with generally accepted Professional Standards.

A. TERMINATION

(Reference: 49 CFR Part 18.36(i)(2); FAA Order 5100.38)

The Sponsor, by written seven (7) day notice, may terminate this agreement in whole or in part at any time, because of the failure of the other party to fulfill his agreement obligations. Upon receipt of such notice, the Consultant shall: (1) immediately discontinue all services affected (unless the notice directs otherwise), and (2) deliver to the Sponsor all data, drawings, specifications, reports, estimates, summaries and such other information and materials as may have been accumulated by the Consultant in performing this agreement whether completed or in process.

1. If the termination is due to the failure of the Consultant to fulfill his agreement obligations, the Sponsor may take over the work and prosecute the same to completion by agreement or otherwise. In such case, the Consultant shall be liable to the Sponsor for any additional cost occasioned to the Sponsor thereby.
2. If, after notice of termination for failure to fulfill agreement obligations, it is determined that the Consultant had not so failed, the termination shall be deemed to have been effected for the convenience of the Sponsor.
3. It is hereby understood and agreed that should the agreement be terminated, the Consultant shall be entitled to and shall receive a fee based on the amount of work

accomplished and approved by the Department up to the day of notification of termination. The fee shall be equal to the sum of the actual number of man-hours of each category of work applied at a negotiated hourly rate, plus any outside services approved by the participating agencies and accomplished prior to the notification. If terminated under Section III.HH., Breach of Contract Terms, the Consultant will not be entitled to profit on the work accomplished.

B. CHANGE IN CONSTRUCTION PLANS

It is hereby understood and agreed that if the construction plans are completed in accordance with criteria and/or decisions made by the Sponsor (and/or the Department if applicable), and approved by the Department, and said construction plans are substantially changed or revised, for any reason other than the fault of the Consultant in preparing same, then the Consultant shall be entitled to compensation for rendering the services necessary to complete the changes. The amount of this fee shall be negotiated between the Sponsor, Consultant and the Department, and approved by the Department, and an amendment to the agreement should be accomplished prior to authorizing the Consultant to proceed with the changes. The fee shall be due and payable when the revisions are approved by the Sponsor and the Department.

It is the Consultants responsibility to notify the Department as soon as possible when changes/revisions are identified that are beyond the scope of services contemplated under this Agreement.

C. HOLD HARMLESS

The Consultant shall be responsible to pay for all labor, material and equipment costs incurred and for any and all damages to property or persons to the proportionate extent arising out of the negligent performance of services under this agreement and shall indemnify and save harmless the Sponsor, (and/or the Department if applicable), their officers, agents and employees from all third party suits, claims, actions or damages of any nature whatsoever to the proportionate extent resulting there from. These indemnities shall not be limited by the listing of any insurance coverage. If any errors, negligent acts and/or omissions are made by the Consultant in any phase of the work under this agreement, the correction of which may require additional field or office work, the Consultant will be promptly notified and will be required to perform such additional services as may be necessary to correct these errors, negligent acts and/or omissions without undue delay and without additional cost to the Sponsor (and/or the Department if applicable). The Consultant shall be responsible for any damages incurred as a result of his errors, negligent acts and/or omissions and for any losses or cost to repair or remedy construction as a result of his errors, omission and/or negligent acts, to the extent such error, omission or negligent act breaches the Professional Standard of care. The Consultant shall not be responsible for any consequential damages of the Sponsor or the Department. Neither the Consultant, nor the Sponsor, nor the Department shall be obligated for the other parties' negligence or for the negligence of others.

D. DRAWING OWNERSHIP

It is further mutually agreed by the parties hereto that reproducible copies of the drawings, computer disks, tracings, construction plans, specifications and maps prepared or obtained under the terms of the contract shall be delivered to and become the property of the Sponsor and basic survey notes and sketches, charts, computations and other data shall be made available upon request of the Sponsor. If any information is used by the Sponsor or another Consultant such use or reuse by the Sponsor or others shall be at the sole risk and without liability or legal exposure to the Consultant.

E. CONTRACT FOR OUTSIDE SERVICES

If any of the services outlined in Section I. are furnished by the Consultant by obtaining such services outside the Consultant's organization, the Consultant shall provide an executed contract between the person(s) or firm and the Consultant outlining the services to be performed and the charges for the same. Two (2) copies of the executed contract shall be submitted to the participating agencies for approval prior to the services being performed; all covenants and Special Conditions shall be included and binding on all subcontracts.

F. FORMERLY NOTICE TO PROCEED (See Section I.G.)

G. SUBLET AGREEMENT

Each party binds himself, his partners, successors, executors, administrators and assigns, to the other part of this agreement and to the partners, successors, executors, administrators and assigns for such other party at all covenants of this Agreement.

Except as above, neither the Sponsor nor the Consultant shall assign, sublet or transfer his interest in this agreement without the written consent of the other party hereto.

H. AGREEMENT EXPIRES

This agreement expires upon final approval and acceptance of the completed project(s) by the Sponsor (and/or Department as applicable), and after all final engineering charges have been paid to the Consultant as of the date of project close-out or after five years from the date of execution, whichever comes first. Payment liability by the State is as outlined above (see Section I.G., Notice to Proceed and Section II., Consultant Compensation).

I. EQUAL EMPLOYMENT OPPORTUNITY

(Reference: 49 CFR Part 21; FAA AC 150/5100-15A or latest revision)

The Consultant agrees to conduct the services in compliance with all the requirements imposed by or pursuant to Title VI of the Civil Rights Act of 1964, Part 21 of the Regulations of the Secretary of Transportation, and Executive Order No. 11246, "Equal Employment Opportunity," as amended.

During the performance of this contract, the Consultant, for itself, its assigns and successors in interest (hereinafter referred to as the "Consultant") agrees as follows:

1. Compliance with Regulations. The Consultant shall comply with the Regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation (hereinafter, "DOT") Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
2. Nondiscrimination. The Consultant, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subconsultants, including procurements of materials and leases of equipment. The Consultant shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
3. Solicitations for Subcontracts, Including, Procurements of Materials and Equipment. In all solicitations either by competitive bidding or negotiation made by the Consultant for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subconsultant or supplier shall be notified by the Consultant of

the Consultant's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.

4. Information and Reports. The Consultant shall provide all information and reports required by the Regulations or directives issued pursuant thereto and shall permit access to its books, records, accounts, other sources of information and its facilities as may be determined by the sponsor or the Federal Aviation Administration (FAA) to be pertinent to ascertain compliance with such Regulations, orders, and instructions. Where any information required of a Consultant is in the exclusive possession of another who fails or refuses to furnish this information, the Consultant shall so certify to the sponsor or the FAA, as appropriate, and shall set forth what efforts it has made to obtain the information.
5. Sanctions for Noncompliance. In the event the Consultant's noncompliance with the nondiscrimination provisions of this contract, the sponsor shall impose such contract sanctions as may determine to be appropriate, including, but not limited to:
 - a. withholding of payments to the Consultant under the contract until the Consultant complies, and/or
 - b. cancellation, termination, or suspension of the contract, in whole or in part.

Incorporation of Provisions. The Consultant shall include the provisions of paragraphs 1 through 5 (above) in every subcontract, including procurement of materials and leases of equipment, unless exempt by the Regulations or directives issued pursuant thereto. The Consultant shall take such action with respect to any subcontract or procurement as the sponsor may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, however, that in the event an Consultant becomes involved in, or is threatened with, litigation with a subconsultant or supplier as a result of such direction, the Consultant may request the sponsor and/or Department to enter into such litigation to protect the interests of the sponsor and, in addition, the Consultant.

DISADVANTAGED BUSINESS ENTERPRISE (DBE) ASSURANCES

1. Policy. It is the policy of the Department of Transportation (DOT) that disadvantaged business enterprises as defined in 49 CFR Part 23 shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal funds under this agreement. Consequently, the DBE requirements of 49 CFR Part 23 applies to this agreement.
2. DBE Obligation. The Consultant agrees to ensure that disadvantaged business enterprises as defined in 49 CFR Part 23 have the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or in part with Federal funds provided under this agreement. In this regard, all Consultants shall take all necessary and reasonable steps in accordance with 49 CFR Part 23 to ensure that disadvantaged business enterprises have the maximum opportunity to compete for and perform contracts. Consultants shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of DOT-assisted contracts.

J. OPEN ACCESS TO DOCUMENTS

(Reference: 49 CFR Part 18.36(i); FAA Order 5100.38)
(Public Act 90-0572 Section 20-65; Public Act 87-991)

The Consultant shall maintain, for a minimum of 5 years after the completion of the contract, adequate books, records, and supporting documents to verify the amounts, recipients, and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records, and supporting documents related to the contract shall be available for review and audit by the Auditor General; and the Consultant agrees to cooperate fully with any audit

conducted by the Auditor General and to provide full access to all relevant materials. Failure to maintain the books, records, and supporting documents required by this Section shall establish a presumption in favor of the State for the recovery of any funds paid by the State under the contract for which adequate books, records, and supporting documentation are not available to support their purported disbursement.

K. CERTIFICATION OF CAPACITY TO CONTRACT

(Public Act 90-0572, Section 50-13)

It is unlawful for any person holding an elective office in this State, holding a seat in the General Assembly, or appointed to or employed in any of the offices of State government, or who is an officer or employee of the Illinois Building Authority or the Illinois Toll Highway Authority, or who is the wife, husband or minor child of any such person, to have or acquire any contract, or any direct pecuniary interest in any contract therein, whether for stationery, printing, paper or for any services, materials or supplies, which will be wholly or partially satisfied by the payment of funds appropriated by the General Assembly of the State of Illinois or in any contract of the Illinois Building Authority or the Illinois Toll Highway Authority. Payments made for a public aid recipient are not payments pursuant to a contract with the State within the meaning of this Section.

It is unlawful for any firm, partnership, association or corporation in which any such person is entitled to receive more than 7 1/2% of the total distributable income to have or acquire any such contract or direct pecuniary interest therein.

It is unlawful for any firm, partnership, association or corporation in which any such person together with his spouse or minor children is entitled to receive more than 15%, in the aggregate, of the total distributable income to have or acquire any such contract or direct pecuniary interest therein.

Nothing in this Section invalidates the provisions of any bond or other security hereto or hereafter offered for sale or sold by or for the State of Illinois.

This Section does not affect the validity of any contract made between the State and an officer or employee of the State or member of the General Assembly, his spouse, minor child or any combination of such persons, if that contract was in existence before his election or employment as such officer, member, or employee. Such a contract is void, however, if it cannot be completed within 6 months after such officer, member, or employee takes office, or is employed.

This Section does not apply to (1) a contract for personal services as a teacher or school administrator between a member of the General Assembly or his spouse, or a State officer or employee or his or her spouse, and any school district, public community, college district, the University of Illinois, Southern Illinois University or any institution under the control of the Board of Governors of State Colleges and Universities or under the control of the Board of Regents or (2) a contract for personal service of a wholly ministerial character including but not limited to services as a laborer, clerk, typist, stenographer, page, bookkeeper, receptionist or telephone switchboard operator, made by a spouse or minor child of an elective or appointive State officer or employee or of a member of the General Assembly or (3) payments made to a member of the General Assembly, a State officer or employee, his or her spouse or minor child acting as a foster parent, homemaker, advocate, or volunteer for or in behalf of a child or family served by the Department of Children and Family Services.

Any person convicted of a violation of this Section shall be guilty of a business offense and shall be fined not less than \$1,000 nor more than \$5,000.

The appropriate Certification of Capacity to Contract will be executed in Section III.X., of this agreement.

L. THE CONSULTANT SELECTION

(Reference: 49 CFR Part 18; FAA AC 5100-14D or latest revision)
(30 ILCS 535; IDOT-Aeronautics Administrative Bulletin: 2010-02)

The City of DeKalb hereby certifies that it
(Sponsor)

has completed the prescribed qualifications based consultant selection procedures.

The firm of (Crawford, Murphy and Tilly, Inc.) of (Springfield, IL) has
(Consultant) (Location)

been selected to provide the engineering services required for the project on:

June 27, 2022

(Date)

A copy of the executed Retainer Agreement identifying the project covered by this Agreement is included as ATTACHMENT U.

M. AMENDMENTS TO THE AGREEMENT

All effort recorded to document a claim for additional compensation must be delineated separately from the original scope of services with personnel, classifications, dates worked, rates, hours and services thoroughly detailed and clearly identified.

The Department shall be notified of potential amendment requests at the earliest possible opportunity once it has been determined that any of the following three circumstances may exist. Any amendments to the Agreement which increases the fee or the time of performance must contain one of the following written determinations (with support documentation) depending upon the circumstances of the change.

1. The undersigned determine that the circumstances which necessitate this change were not reasonably foreseeable at the time the contract was signed.
2. The undersigned determine that the circumstances which necessitate this change were not within the contemplation of the contract as signed.
3. The undersigned determine that this change is in the best interest of the state of Illinois and is authorized by law.

Date

Sign Name

Print Name

Title

Any professional services effort performed beyond the not-to-exceed limits expressed in Section II. Consultant Compensation, and for which a future amendment will be sought, will be performed under all Agreement provisions as the original contracted work. The dollar value of such effort is not considered approved for payment until review and approval by the Department.

N. CERTIFICATION OF CONSULTANT

(Public Act 90-0572 Section 50-5)

I hereby certify that I am the Vice President (title) and duly

authorized representative of the firm Crawford, Murphy & Tilly, Inc.

whose address is 2750 West Washington Street, Springfield, IL 62702

and that neither I nor the above firm I here represent has:

1. employed or retained for a commission, percentage, brokerage, contingent fee, or other consideration, any firm or person (other than a bona fide employee working solely for me or the above Consultant) to solicit or secure this Agreement,
2. agreed, as an express or implied condition for obtaining this contract, to employ or retain the services of any firm or person in connection with carrying out the Agreement, or
3. paid or agreed to pay to any firm, organization, or person (other than a bona fide employee working solely for me or the above Consultant) any fee, contribution, donation, or consideration of any kind for, or in connection with, procuring or carrying out the contract; except as here expressly stated (if any):

The firm certifies by execution:

1. it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm, nor has the firm been barred from being awarded a contract or subcontract.
2. it has not been barred from contracting with a unit of state or local government as a result of a violation of the Criminal Code of 1961.

I acknowledge that this certification is to be furnished to the Federal Aviation Administration of the United States' Department of Transportation in connection with this contract involving participation of Airport Improvement Program (AIP) funds and is subject to applicable state and Federal laws, both criminal and civil.

June 7, 2025
Date


Sign Name

Douglas J. Klonowski, PE
Print Name

Vice President
Title

O. FEDERAL TAXPAYER IDENTIFICATION NUMBER

The following statement is made under penalty of perjury:

"The Firm's correct Federal Taxpayer Identification Number is 37-0844662

. (I am) (This firm is) doing business as a (please check one):

 Individual

 Partnership

 X Corporation

P. DISADVANTAGED BUSINESS ENTERPRISE (DBE) PARTICIPATION

(Reference: 49 CFR Part 26)

Contract Assurance (§26.13) - The Consultant or subconsultant shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Consultant shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT assisted contracts. Failure by the Consultant to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy, as the recipient deems appropriate.

In keeping with the DBE plan adopted by the Sponsor, the Consultant shall take all necessary and reasonable steps to attain DBE participation in this contract.

The work for each subconsultant should be listed separately. If the subconsultant is being utilized to meet the project DBE goal, they must be prequalified in that category and certified as a DBE in that category. Please indicate that they are certified in that category. The certification list is available on the Department's website on the "Doing Business" menu under Small Business Enterprises and IL UCP directory <http://www.dot.il.gov/ucp/ucp.html#DBEDirectory>. The percent of work is computed based on the individual subconsultant's work effort in each category

Firm Name: _____ **N/A**

Subcontract Amount (\$): _____ **N/A**

Prequalification Category	% of Work	DBE Certification
_____	_____	_____
_____	_____	_____
_____	_____	_____

If more than one subconsultant is being used, attach additional sheets.

NOTE: All final payment requests shall include a completed ATTACHMENT O - DBE Final Documentation or the complete information on the Consultant's format.

Q. DISCRIMINATION

(Reference: 49 CFR Part 21; FAA AC 150/5100-15A or latest revision)

(Executive Order 11246 of September 24, 1965; 41 CFR Part 60)

The Consultant agrees not to commit unlawful discrimination in employment in Illinois and further agrees to take affirmative action to ensure that no unlawful discrimination is committed.

R. DUES/FEEES TO CLUBS WHICH DISCRIMINATE

(775 ILCS 25/2 Source: P.A. 85-909)

The Consultant of the business entity certifies that it is not prohibited from selling goods or services to the State of Illinois because it pays dues or fees on behalf of its employees or agent or subsidizes or otherwise reimburses them for payment of their dues or fees to any club which unlawfully discriminates.

S. CONFLICT OF INTEREST

(Public Act 90-0572 Section 50-13)

The Consultant agrees to comply with the provision of the Illinois Public Act prohibiting conflict of interest and all the terms, conditions and provisions of those Sections apply to this contract

and are made a part of this contract the same as though they were incorporated and included herein.

T. FELONY CONVICTION

(Public Act 90-5072 Section 50-10)

The Consultant certifies that if he/she or the business entity has been convicted of a felony, at least five years has passed since the completion of the sentence as of the contract date.

U. ILLINOIS HUMAN RIGHTS NUMBER

The Consultant must have an Illinois Department of Human Rights prequalification number, or have an application on file with the Illinois Department of Human Rights office at the State of Illinois Center, Suite 10-100, 100 West Randolph, Chicago, Illinois 60601 (refer to Department of Human Rights form).

(#IDHR PC-1/IL 442-0010). IDHR # 93788-00.

V. EDUCATIONAL LOAN DEFAULT

(5 ILCS 385).

The Consultant certifies that, if this agreement is with an individual or individuals, that he/she is not in default on an educational loan.

W. DRUG FREE WORKPLACE

(30 ILCS 580).

If the Consultant has 25 or more employees, the following certification shall apply and, by signing this document, the Consultant certifies as follows:

1. The Consultant certifies that he will provide a drug free workplace in compliance with the Drug Free Workplace Act ("Act"). Specifically, Consultant certifies he will do the following:
 - a. Publish a statement:
 - i. Notifying employees that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance, including cannabis, is prohibited in the Consultants workplace.
 - ii. Specifying the actions that will be taken against employees for violations of such prohibition.
 - iii. Notifying the employee that, as a condition of employment on this agreement, the employee will:
 - 1) abide by the terms of the statement; and
 - 2) notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than 5 days after such conviction.
 - b. Establish a drug free awareness program to inform employees about:
 - i. the dangers of drug abuse in the workplace;
 - ii. the Consultant policy of maintaining a drug free workplace;
 - iii. any available drug counseling, rehabilitation, and employee assistance programs; and
 - iv. the penalties that may be imposed upon employees for drug violations.
 - c. Give a copy of the statement described above to each employee engaged in the performance of the contract and post the statement in a prominent place in the workplace.
 - d. Notify the State within 10 days after receiving notice under part (a)(3)(B) above from an employee or otherwise receiving actual notice of such conviction.

- e. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program by, any employee who is so convicted, as required by §5 of the Act.
- f. Assist employees in selecting a course of action in the event drug counseling, treatment, and rehabilitation is required and indicate that a trained referral team is in place.
- g. Make a good faith effort to continue to maintain a drug free workplace through implementation of §3 of the Act.

If an individual, the Consultant further certifies that he will not engage in the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance in the performance of the agreement.

X. CAPACITY TO CONTRACT

(Public Act 90-0572)

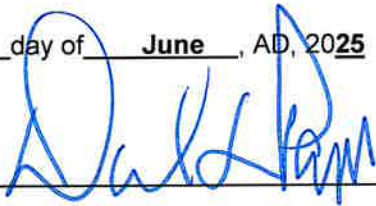
The Consultant certifies that the Corporation's certificate of Authority to do business in Illinois, is in good standing with the Secretary of State's Office.


CERTIFICATION OF CAPACITY TO CONTRACT

Public Act 90-0572 prohibits certain persons and entities from having or acquiring any contract with the State of Illinois and from having or acquiring any direct pecuniary interests in any contract with the State of Illinois, whether for materials, services, supplies, printing or stationery. This prohibition does not extend to certain contracts for personal services of a ministerial nature as provided for in the Act.

(Corporation)

The undersigned, being a duly authorized representatives of Crawford, Murphy and Tilly, Inc., a corporation, hereby certify that they have read Public Act 90-0572 Section 50-13 and that they have checked the records of the corporation and that no person who is entitled to receive individually more than 7 1/2% of the total distributable income of the corporation, or together with their spouse or minor child more than 15% of the total distributable income of the corporation, is (i) an elected State official, a member of the General Assembly, an appointed State officer, a State employee; (ii) an officer or employee of the Illinois Toll Highway Authority or of the Illinois Building Authority; or (iii) a spouse or a minor child of any such enumerated person.

7th day of June, AD, 2025
BY 
Daniel L. Pape, PE, Aviation Group Mgr.
Printed Name & Title

Crawford, Murphy & Tilly, Inc.
Corporation
BY 
Douglas J. Klonowski, PE, Vice President
Printed Name & Title

CERTIFICATION OF CAPACITY TO CONTRACT

Public Act 90-0572 prohibits certain persons and entities from having or acquiring any contract with the State of Illinois and from having or acquiring any direct pecuniary interests in any contract with the State of Illinois, whether for materials, services, supplies, printing or stationery. This prohibition does not extend to certain contracts for personal services of a ministerial nature as provided for in the Act.

(Partnerships and Non-Corporate Firms and Associations)

The undersigned, being each and every one of the partners/members/associates/(other) of

N/A, hereby certify on behalf of themselves individually, that they have read Public Act 90-0572 Section 50-13 and that (i) they are not an elected State official, a member of the General Assembly, an appointed State officer, a State employee; an officer or employee of the Illinois Toll Highway Authority or of the Illinois Building Authority; nor a spouse or minor child of any such enumerated person; or (ii) that they are such an enumerated person but that they are not entitled to receive individually more than 7 1/2% of the total distributable income of the partnership/firm/association, or together with their spouse or a minor child more than 15% of the total distributable income of the partnership/firm/association.

_____ day of _____, AD, 20_____

BY _____

BY _____

Printed Name & Title

Printed Name & Title

d/b/a _____
(Name)

CERTIFICATION OF CAPACITY TO CONTRACT

Public Act 90-0572 prohibits certain persons and entities from having or acquiring any contract with the State of Illinois and from having or acquiring any direct pecuniary interests in any contract with the State of Illinois, whether for materials, services, supplies, printing or stationery. This prohibition does not extend to certain contracts for personal services of a ministerial nature as provided for in the Act.

(Individual Consultants)

I, N/A
(Name)

hereby certify that I have read Public Act 90-0572 Section 50-13 and I further certify (i) that I am not an elected State official, a member of the General Assembly, an appointed State officer, a State employee; (ii) that I am not an officer or employee of the Illinois Toll Highway Authority or of the Illinois Building Authority; and (iii) that I am not a spouse or a minor child of any such official, member, officer or employee.

____ day of _____, AD, 20____

BY _____

Printed Name & Title

d/b/a _____
(Name)

Y. CERTIFICATION REGARDING LOBBYING

(Reference: 49 CFR Part 20, Appendix A)

Certification for Contracts, Grants, Loans and Cooperative Agreements.

The Consultant certifies compliance with Section 319 of Public Law 101-102 and to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an Officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, US Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Z. INTERNATIONAL BOYCOTT

(Applicable to contracts in excess of \$10,000):

The Consultant certifies that neither it nor any substantially-owned affiliated company is participating or shall participate in an international boycott in violation of the provisions of the U.S. Export Administration Act of 1979 or the regulations of the U.S. Department of Commerce promulgated under that Act. The Consultant makes the certification set forth in Section 5 of the International Anti-Boycott Certification Act.

AA. NON-APPROPRIATION CLAUSE

Obligations of the State will cease immediately without penalty or further payment being required in any fiscal year the Illinois General Assembly fails to appropriate or otherwise make available sufficient funds for payment of this Agreement.

BB. DEBT CERTIFICATION

The Consultant certifies that it, or any affiliate, is not barred from being awarded a contract under 30 ILCS 500/50-11 and 50-12. The Consultant further acknowledges that the contracting State agency may declare the contract void if the preceding certification is false or if the contractor, or any affiliate, is determined to be delinquent in the payment of *any* debt to the State during the term of the contract.

CC. GOODS FROM CHILD LABOR ACT

The Consultant certifies in accordance with Public Act 94-0264 that no foreign made equipment, materials, or supplies furnished to the State under the contract have been produced in whole or in part by the labor of any child under the age of 12.

DD. QUALIFICATION BASED SELECTION ACT

(Reference: 49 CFR Part 18.36; FAA Order 5100.38; FAA AC 150/5100-14 (latest))

The parties hereby certify that there was compliance with the provisions of the State of Illinois' Architectural, Engineering and Land Surveying Qualifications Based Selection Act, Chapter 30 ILCS 535 in the procurement of the services covered by this Agreement.

EE. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

(Reference: 49 CFR Part 29; FAA Order 5100.38)

The Consultant certifies, by submission of this proposal or acceptance of this contract, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency. It further agrees by submitting this Agreement that it will include this clause without modification in all lower tier transactions, solicitations, proposals, contracts, and subcontracts. Where the Consultant or any lower tier participant is unable to certify to this statement, it shall attach an explanation to this solicitation/proposal.

FF. RIGHTS TO INVENTIONS

(Reference: 49 CFR Part 18.36(i)(8); FAA Order 5100.38)

All rights to inventions and materials generated under this contract are subject to regulations issued by the FAA and the Sponsor of the Federal grant under which this contract is executed.

GG. TRADE RESTRICTION CLAUSE

(Reference: 49 CFR Part 30.13; FAA Order 5100.38)

The Consultant or subconsultant, by submission of an offer and/or execution of a contract, certifies that it:

1. is not owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms published by the Office of the United States Trade Representative (USTR);
2. has not knowingly entered into any contract or subcontract for this project with a person that is a citizen or national of a foreign country on said list, or is owned or controlled directly or indirectly by one or more citizens or nationals of a foreign country on said list;
3. has not procured any product nor subcontracted for the supply of any product for use on the project that is produced in a foreign country on said list.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR 30.17, no contract shall be awarded to a Consultant or subconsultant who is unable to certify to the above. If the Consultant knowingly procures or subcontracts for the supply of any product or service of a foreign country on said list for use on the project, the Federal Aviation Administration may direct through the Sponsor cancellation of the contract at no cost to the Government.

Further, the Consultant agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification without modification in each contract and in all lower

tier subcontracts. The Consultant may rely on the certification of a prospective subconsultant unless it has knowledge that the certification is erroneous.

The Consultant shall provide immediate written notice to the sponsor if the Consultant learns that its certification or that of a subconsultant was erroneous when submitted or has become erroneous by reason of changed circumstances. The subconsultant agrees to provide written notice to the contractor if at any time it learns that its certification was erroneous by reason of changed circumstances.

This certification is a material representation of fact upon which reliance was placed when making the award. If it is later determined that the Consultant or subconsultant knowingly rendered an erroneous certification, the Federal Aviation Administration may direct through the Sponsor cancellation of the contract or subcontract for default at no cost to the Government.

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by this provision. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code, Section 1001.

HH. BREACH OF CONTRACT TERMS

(Reference: 49 CFR Part 18.36)

Any violation or breach of terms of this contract on the part of the Consultant or their subconsultants may result in the suspension or termination of this contract or such other action that may be necessary to enforce the rights of the parties of this agreement. The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law.

Policies and procedures for procurement of professional services are established in Federal Regulation Title 49 CFR Part 18, Uniform Administrative Requirements for Grants and Cooperative Agreements. The Airport and Airway Improvement Act (AAIA) of 1982, as amended, serves as the enabling legislation. The parties agree that these policies and procedures have been followed.

IN WITNESS WHEREOF, the parties hereto have affixed their hand and seals at

DeKalb, Illinois, this June 7, 2025.
(city) (date) (year)

ATTEST:

(SEAL)



City of DeKalb
(Sponsor Name)

36-6005843

(Federal Employee's Identification Number)

BY

A handwritten signature in black ink, appearing to read "Ruth A. Scott", is written over a horizontal line.

Ruth A. Scott, Executive Assistant
Printed Name & Title

BY

A handwritten signature in black ink, appearing to read "Bill Nicklas", is written over a horizontal line.

Bill Nicklas, City Manager
Printed Name & Title

ATTEST:

(SEAL)



CRAWFORD, MURPHY & TILLY, INC.
(Consultant Name)

37-0844662

(Federal Employee's Identification Number)

BY

A handwritten signature in blue ink, appearing to read "Daniel L. Pape", is written over a horizontal line.

Daniel L. Pape, PE, Aviation Group Mgr.
Printed Name & Title

BY

A handwritten signature in blue ink, appearing to read "Douglas J. Klonowski, PE", is written over a horizontal line.

Douglas J. Klonowski, PE, Vice President
Printed Name & Title

LIST OF ATTACHMENTS

<u>ATTACHMENT A / A1</u> –	PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN PHASE SERVICES <u>ESTIMATE OF COSTS / SALARY EXPENSES</u>
<u>ATTACHMENT B / B1</u> –	DESIGN PHASE SERVICES <u>ESTIMATE OF COSTS / SALARY EXPENSES</u>
<u>ATTACHMENT C / C1</u> –	CONSTRUCTION PHASE SERVICES <u>ESTIMATE OF COSTS / SALARY EXPENSES</u>
<u>ATTACHMENT D / D1</u> –	PLANNING AND SPECIAL SERVICES <u>ESTIMATE OF COSTS / SALARY EXPENSES</u>
<u>ATTACHMENT E</u> –	ENGINEERING REPORT (General Guidance)
<u>ATTACHMENT F</u> –	RESIDENT ENGINEER’S DIARY (Standard Format)
<u>ATTACHMENT G</u> –	COST PLUS FIXED PAYMENT INVOICE (Standard Format)
<u>ATTACHMENT H</u> –	LUMP SUM INVOICE (Standard Format)
<u>ATTACHMENT I</u> –	EFFORT DETAIL BREAKDOWN (Standard Format)
<u>ATTACHMENT J</u> –	TESTING SCHEDULE
<u>ATTACHMENT K</u> –	TESTING RATES & COST SUMMARY
<u>ATTACHMENT L</u> –	SUMMARY OF PAYROLL BURDEN AND FRINGE COSTS
<u>ATTACHMENT M</u> –	SUMMARY OF OVERHEAD AND INDIRECT COSTS
<u>ATTACHMENT N</u> –	PROJECT CERTIFICATION
<u>ATTACHMENT O</u> –	DBE FINAL DOCUMENTATION
<u>ATTACHMENT P</u> –	PROJECT SKETCH
<u>ATTACHMENT Q</u> –	PROJECT LETTING SCHEDULE
<u>ATTACHMENT R</u> –	OP&P PROGRAM LETTER
<u>ATTACHMENT S</u> –	CURRENT IDOT PROVISIONAL PAYROLL BURDEN / FRINGE EXPENSE AND GENERAL / ADMINISTRATIVE EXPENSE RATE LETTER
<u>ATTACHMENT T</u> –	CONSULTANT’S PRELIMINARY ESTIMATE OF PROBABLE CONSTRUCTION COSTS
<u>ATTACHMENT U</u> –	RETAINER AGREEMENT

ATTACHMENT A

PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN PHASE SERVICES

ESTIMATE OF COSTS

<u>Category</u>	<u>Amount (\$)</u>
1. <u>Direct Salary Costs</u>	_____ (ATTACHMENT A-1)
2. <u>Labor and General and Administrative Overhead</u> ¹	_____
3. <u>Direct Nonsalary Expenses</u>	
Lodging ^{2,3}	_____
Meals/Per Diem ^{2,3}	_____
Transportation ²	_____
Materials & Supplies	_____
Printing	_____
CADD time ⁴	_____
Other Costs (excluding outside services)	_____
4. <u>Fixed Payment</u> ⁵	_____
5. <u>Outside Services</u>	_____
	Lump Sum
Total Amount Not to Exceed	\$ _____

Estimated cost of total professional design phase services from TIP: \$_____

NOTES:

- 1/ A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.
- 2/ Current approved rates established by State of Illinois - Governors Travel Control Board.
- 3/ Shall not be used in calculation of fixed payment amount.
- 4/ Maximum CADD rate shall be \$15.00/hour.
- 5/ Fixed Payment (Profit) = (14.5%) x [Direct Salary Costs + (OH&B) x (Direct Salary Costs) + Transportation + Materials & Supplies + Printing + CADD time + Other Costs (excluding outside services)].

ATTACHMENT A-1

PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN PHASE SERVICES

ESTIMATE OF SALARY EXPENSES

Classification*	Hours	\$Rate/Hour	Cost (\$)
Principal	_____	_____	_____
Vice Principal	_____	_____	_____
Project Manager	_____	_____	_____
Senior Project Engineer	_____	_____	_____
Senior Project Architect	_____	_____	_____
Project Engineer	_____	_____	_____
Project Architect	_____	_____	_____
Senior Engineer	_____	_____	_____
Senior Architect	_____	_____	_____
Engineer	_____	_____	_____
Planner	_____	_____	_____
Registered Land Surveyor	_____	_____	_____
Land Surveyor	_____	_____	_____
Senior Engineering Technician	_____	_____	_____
Engineering Technician	_____	_____	_____
Engineering Assistant	_____	_____	_____
CADD/Draftsman/Technician	_____	_____	_____
Clerical	_____	_____	_____
Total	_____	_____	\$ _____
	(hours)	(average)	(total direct salary costs) (ATTACHMENT A)

*Classifications may be adjusted as per Consultant's work force.

ATTACHMENT B

DESIGN PHASE SERVICES

DeKalb Taylor Municipal Airport

Acquire Airport Runway Broom

Attachment B

Preliminary Design and Design Phase

ESTIMATE OF COSTS

<u>CATEGORY</u>		<u>AMOUNT</u>
1 <u>Direct Salary Costs</u>		\$6,367.87
2 <u>Labor and General and Administrative Overhead</u> ¹	53.56%	\$3,410.63
3 <u>Direct Nonsalary Expenses</u>	114.51%	\$7,291.85
Lodging ^{2,3}		\$ -
Meals/Per Diem ^{2,3}		\$ -
Transportation ²		\$ -
Materials & Supplies		\$ -
Printing		\$ 200.00
CADD time ⁴		\$ -
Other Costs (Excluding outside Services)		\$ 200.00
4 <u>Fixed Payment</u> ⁵		\$2,530.00
5 <u>Outside Services/Subconsultants</u>		\$0.00
N/A		\$0.00
	Cost Plus Fixed Payment	\$20,000.35
	Total Amount Not to Exceed	
Or	Use =	\$20,000.00

Estimated Construction Cost: \$ 650,000.00 (ATTACHMENT T)

Attach a sketch labeled ATTACHMENT P in sufficient detail to clearly delineate the proposed areas of work.

NOTES:

- 1/ A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.
- 2/ Current approved rates established by State of Illinois - Governors Travel Control Board.
- 3/ Shall not be used in calculation of fixed payment amount.
- 4/ Maximum CADD rate shall be \$15.00/hour.
- 5/ Fixed Payment (Profit) = (14.5%) x [Direct Salary Costs + (OH&B) x (Direct Salary Costs) + Transportation + Materials & Supplies + Printing + CADD time + Other Costs (excluding outside services)].

ATTACHMENT B-1**DESIGN PHASE SERVICES**
ESTIMATE OF SALARY EXPENSES

	TIME REQUIRED	HOURLY	SALARY
<u>CLASSIFICATION</u>	<u>(HOURS)</u>	<u>WAGE</u>	<u>EXPENSE</u>
Principal	0	\$80.71	\$0.00
Senior Principal	29	\$90.00	\$2,610.00
Senior Principal 2	0	\$90.00	\$0.00
Project Manager	0	\$65.22	\$0.00
Civil Engineer	6	\$37.96	\$227.76
Project Civil Engineer	0	\$46.23	\$0.00
Senior Civil Engineer	19	\$55.61	\$1,056.59
Senior Civil Engineer 2	0	\$70.24	\$0.00
Structural Engineer	0	\$39.45	\$0.00
Project Structural Engineer	0	\$46.29	\$0.00
Senior Structural Engineer	0	\$61.50	\$0.00
Senior Structural Engineer 2	0	\$74.48	\$0.00
Specialty Engineer	0	\$37.07	\$0.00
Project Specialty Engineer	0	\$53.46	\$0.00
Senior Specialty Engineer 2	0	\$75.43	\$0.00
Specialty Professional	0	\$38.04	\$0.00
Project Specialty Professional	0	\$42.49	\$0.00
Senior Specialty Professional	0	\$48.85	\$0.00
Senior Specialty Professional 2	0	\$69.20	\$0.00
Planner	0	\$36.45	\$0.00
Project Planner	0	\$45.72	\$0.00
Senior Planner	0	\$58.09	\$0.00
Senior Planner 2	0	\$68.21	\$0.00
Architect	0	\$31.60	\$0.00
Senior Architect 2	0	\$58.58	\$0.00
Environmental Scientist	0	\$31.73	\$0.00
Project Environmental Scientist	0	\$45.63	\$0.00
Senior Environmental Scientist	0	\$56.76	\$0.00
Senior Environmental Scientist 2	0	\$72.14	\$0.00
Admin	0	\$29.98	\$0.00
Technician	0	\$31.75	\$0.00
Project Technician	0	\$38.94	\$0.00
Senior Technician	49	\$50.48	\$2,473.52
Administrative Coordinator	0	\$29.96	\$0.00
Administrative Specialist	0	\$41.66	\$0.00
Senior Administrative Specialist	0	\$48.69	\$0.00
AVERAGE			
TOTAL	103	\$61.82	\$6,367.87

*Classifications may be adjusted as per Consultant's work force.

ATTACHMENT B-2

DeKalb Taylor Municipal Airport

Acquire Airport Runway Broom

Attachment B-2

Preliminary Design and Design Phase
Estimated Cost Breakdown Items 4, 5, 6 & 7

Item

4 MATERIALS AND SUPPLIES

Surveying Supplies (paint, lathe, stakes, etc)			\$	-	
Drafting Media			\$	-	
Misc. Equipment and Direct Project Supplies			\$	-	
Sub-Total				\$	-

5 TRAVEL

Travel Reimbursement	-	miles @	\$ 0.700	\$	-
Vehicle Days	0	days @	\$ 65.00	\$	-
Other Subsistence & Tolls				\$	-
Sub-Total				\$	-
Lodging (Not in Fixed Fee comp.)	0	days @	\$ 100.00	\$	-

6 PRINTING

Full Size Prints	0	sheets @	\$ 2.40	\$	-
Photo-copies	1000	sheets @	\$ 0.20	\$	200.00
Sub-Total				\$	200.00

7 OTHER COSTS (EXCLUDING OUTSIDE SERVICES)

Photos/Developing			\$	-	
Direct Project Shipping Expense			\$	200.00	
Unassigned Misc Project Direct Expense		Misc.	\$	-	
Sub-Total				\$	200.00
				\$	400.00

ATTACHMENT B-3

DeKalb Taylor Municipal Airport Acquire Airport Runway Broom

Attachment B-3 Cost Estimate of Consultant Services (By Task)

Phase #	Element of Work	Hours	Ave Hourly Rate	Total Direct Labor	% of Total Labor	Principal	Senior Principal	Civil Engineer	Senior Civil Engineer	Senior Specialty Engineer 2	Planner	Senior Technician	Administrative Coordinator
Design Phase (Per Section I.B. of Agreement)													
1000	Preliminary Assessment and Schematic Design	9	\$73.01	\$657.05	10.32%	0	5	0	1	0	0	3	0
1100	Preliminary Work Items	4	\$70.24	\$280.96	4.41%	0	2	0	0	0	0	2	0
1110	1110 Scope Refinement and Project Definition	4	\$70.24	\$280.96	4.41%	0	2	0	0	0	0	2	0
	1120 Site Visit/Review by Design Team	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0
	1130 Pre-Design Meeting and Preparation	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0
	1140 Review Record Drawings and Available Data	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0
1200	Surveys/Field Investigations/Verify Existing Cond.	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0
1300	Prel. Plan Concept Develop (35% Design Report)	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0
1400	Preliminary Identification & List of Expected Specifications	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0
1500	Prel. Opinion of Probable Cost, Quantity Evaluations, Computations and Funding Review; Preliminary Estimate of Time	2	\$53.05	\$106.09	1.67%	0	0	0	1	0	0	1	0
1600	Special Conditions or Unique Design Considerations as Appropriate for the Design	3	\$90.00	\$270.00	4.24%	0	3	0	0	0	0	0	0
	1601 Coordination with FAA/ALP Authority Review	1	\$90.00	\$90.00	1.41%	0	1	0	0	0	0	0	0
	1602 Environmental Clearance	2	\$90.00	\$180.00	2.83%	0	2	0	0	0	0	0	0
2000	Plan and Document Development - Detailed Design (35% to 80% Level)	59	\$58.71	\$3,464.04	54.40%	0	12	4	12	-	-	31	-
2100	Review and Resolve Prelim Design Issues From Design Report Stage	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0
2200	Bid Document Development - Contractual Documents	24	\$61.64	\$1,479.42	23.23%	0	6	0	6	0	0	12	0
2300	Development of Technical Specifications	34	\$56.89	\$1,934.14	30.37%	0	6	4	6	0	0	18	0
2400	Quantity Computations, Development of Opinion of Prob. Cost and Estimate of Contract Time	1	\$50.48	\$50.48	0.79%	0	0	0	0	0	0	1	0
3000	Plan and Document Development - Final Design (80% - 100%)	16	\$57.29	\$916.59	14.39%	0	3	2	3	0	0	8	0
3100	Review and Resolve Prelim Design Issues From PreFinal Submittal	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0
3200	Development of Final Contractual Documents	7	\$55.07	\$385.49	6.05%	0	1	1	1	0	0	4	0
3300	Final Technical Specifications	9	\$59.01	\$531.10	8.34%	0	2	1	2	0	0	4	0
4000	General Overall Project Related Tasks	19	\$70.01	\$1,330.19	20.89%	0	9	0	3	0	0	7	0
4100	Quality Control and Constructability Reviews	2	\$90.00	\$180.00	2.83%	0	2	0	0	0	0	0	0
4200	Project Management and Meetings	6	\$71.10	\$426.57	6.70%	0	3	0	1	0	0	2	0
4300	Post Design Phase - Pre-Bid and Bidding	8	\$61.64	\$493.14	7.74%	0	2	0	2	0	0	4	0
	4310 Pre-bid meeting, Preparation & Attendance	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0
	4320 Miscellaneous bidding Phase; addenda; respond to questions during bidding; analysis of bids; etc.	8	\$61.64	\$493.14	7.74%	0	2	0	2	0	0	4	0
4400	Project Design Closeout and Archive	3	\$76.83	\$230.48	3.62%	0	2	0	0	0	0	1	0
Totals		103	\$61.82	\$6,367.87	100.00%	0	29	6	19	-	-	49	-

ATTACHMENT C

CONSTRUCTION PHASE SERVICES

ESTIMATE OF COSTS

<u>Category</u>	<u>Amount (\$)</u>
1. <u>Direct Salary Costs</u>	_____ (ATTACHMENT C-1)
2. <u>Labor and General and Administrative Overhead¹</u>	_____
3. <u>Direct Nonsalary Expenses</u>	
Lodging ^{2,3}	_____
Meals/Per Diem ^{2,3}	_____
Transportation ²	_____
Materials & Supplies	_____
Printing	_____
CADD time ⁴	_____
Other Costs (excluding outside services)	_____
4. <u>Fixed Payment⁵</u>	_____
5. <u>Outside Services</u>	_____
OR	
Cost Plus Fixed Payment Total Amount Not to Exceed	\$ _____
Lump Sum Total Amount Not to Exceed	\$ _____

NOTES:

- 1/ A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.
- 2/ Current approved rates established by State of Illinois - Governors Travel Control Board.
- 3/ Shall not be used in calculation of fixed payment amount.
- 4/ Maximum CADD rate shall be \$15.00/hour.
- 5/ Fixed Payment (Profit) = (14.5%) x [Direct Salary Costs + (OH&B) x (Direct Salary Costs) + Transportation + Materials & Supplies + Printing + CADD time + Other Costs (excluding outside services)].

ATTACHMENT C-1

CONSTRUCTION PHASE SERVICES

ESTIMATE OF SALARY EXPENSES

Classification*	Hours	\$Rate/Hour	Cost (\$)
Principal	_____	_____	_____
Vice Principal	_____	_____	_____
Project Manager	_____	_____	_____
Senior Project Engineer	_____	_____	_____
Senior Project Architect	_____	_____	_____
Project Engineer	_____	_____	_____
Project Architect	_____	_____	_____
Senior Engineer	_____	_____	_____
Senior Architect	_____	_____	_____
Engineer	_____	_____	_____
Planner	_____	_____	_____
Registered Land Surveyor	_____	_____	_____
Land Surveyor	_____	_____	_____
Senior Engineering Technician	_____	_____	_____
Engineering Technician	_____	_____	_____
Engineering Assistant	_____	_____	_____
CADD/Draftsman/Technician	_____	_____	_____
Clerical	_____	_____	_____
Total	_____	_____	\$ _____
	(hours)	(average)	(total direct salary costs) (ATTACHMENT D)

*Classifications may be adjusted as per Consultant's work force.

ATTACHMENT D

PLANNING AND SPECIAL SERVICES

ESTIMATE OF SALARY EXPENSES

Classification*	Hours	\$Rate/Hour	Cost (\$)
Principal	_____	_____	_____
Vice Principal	_____	_____	_____
Project Manager	_____	_____	_____
Senior Project Engineer	_____	_____	_____
Senior Project Architect	_____	_____	_____
Project Engineer	_____	_____	_____
Project Architect	_____	_____	_____
Senior Engineer	_____	_____	_____
Senior Architect	_____	_____	_____
Engineer	_____	_____	_____
Planner	_____	_____	_____
Registered Land Surveyor	_____	_____	_____
Land Surveyor	_____	_____	_____
Senior Engineering Technician	_____	_____	_____
Engineering Technician	_____	_____	_____
Engineering Assistant	_____	_____	_____
CADD/Draftsman/Technician	_____	_____	_____
Clerical	_____	_____	_____
Total	_____	_____	\$ _____
	(hours)	(average)	(total direct salary costs) (ATTACHMENT D)

*Classifications may be adjusted as per Consultant's work force.

ATTACHMENT E

ENGINEERING REPORT (General Guidance)

The Engineering Report is to be prepared by the Consultant and submitted to the Sponsor and/or Department, if possible, prior to starting Plans and Specifications. The Report shall include, at a minimum, a discussion of the following elements which are applicable and any other elements deemed necessary by the Department:

1. Introduction, project overview and consistency with approved ALP, justification, scope, authorization, funding, required environmental actions and schedule.
2. Investigations and evaluations, including pavement history, PCI information, topographic survey data, soil sampling and testing, boring logs, CBR test results, subgrade stabilization considerations, and seasonal frost issues.
3. Pavement design considerations, including pavement types and/or alternates; any unusual design and reasons therefore, selection of design CBR value, traffic distribution, and reported pavement strength.
4. Rehabilitation, strengthening and/or overlay work shall be detailed as to the type of work required, including existing pavement conditions, material selection considerations, thickness design and economic analysis.
5. Construction features which vary from FAA criteria should be identified including the problem(s) facts, alternative solutions, and/ or desired solution. Is the desired solution the most economical?
6. Items such as materials sources, soils, drainage, water for construction, cost of land vs. development, contractor resources, available finances, and stage development. The report should say how these factors affected the decisions made by the Consultant in the design.
7. Explanation of drainage design criteria including explanation of drainage districts data INPUT and off-site drainage impact on design. Include drainage calculations and modeling.
8. Special considerations for local circumstances such as available material, equipment, contractors, and airport sponsored events.
9. Consultant's choice of options for the lighting design; similar explanation of choices made for the drainage, fencing, turfing and marking, including decisions regarding cover crop seeding.
10. Approach conditions which will result from proposed work and comparison with FAA criteria.
11. Analysis of potential RSA determination (if applicable).
12. Development of PCN for runway strengthening and rehabilitation projects.
13. Description of non-AIP work and quantity separation from AIP eligible items.
14. Identify work to be done by others such as utility companies and airports sponsor forces.
15. The Consultant's preliminary estimate of construction costs, fees and expenses shall be included.
16. A discussion of project safety concerns (per guidance explained in FAA AC 150/5370-2F (or current) Operational Safety on Airports during Construction) shall be included.
17. A discussion of project phasing / sequencing and estimate of construction calendar days shall be included.

ATTACHMENT F



**Illinois Department
of Transportation**

Resident Engineer's Diary

Airport: _____ Date: _____

Contractor: _____ IL Project No.: _____ AIP Project _____

Temperature _____ Wind: _____ Weather Conditions: _____

Status: ☐ Active ☐ Suspended Jobsite Conditions: ☐ Workable ☐ Non-workable

Controlling Item: _____

Workforce

Consultant (# of people, hours): _____

Contractor (# of people, equipment, hours):

Daily Work

Pay items / General Location:

Instructions to Contractor / Unusual Events:

Verbal Approvals (official & item): _____

Additional Work (change order, etc.): _____

Official Visitors: _____

Materials Deliveries (material, quantity, quality) / Testing (test, location, corrective action):

Other:

Calendar Days: _____ Awarded
_____ Charged
_____ Remaining

DBE Onsite? (yes or no)
Own forces used? (yes or no)
Own equipment used? (yes or no)

Submitted _____ Firm: _____ Date: _____

ATTACHMENT G

COST PLUS FIXED PAYMENT INVOICE (Standard Format)

To: _____, Chief Engineer
Illinois Department of Transportation
Division of Aeronautics
Abraham Lincoln Capital Airport
1 Langhorne Bond Drive
Springfield, IL 62707-8415

From (Firm): _____
Address: _____
Telephone No.: _____
Invoice # _____ Date: _____
[] Partial [] Final

Attn: _____, Section Chief

Airport: _____ Municipality: _____, IL
Illinois Project No. _____ Federal Project No. _____
Notice to Proceed Date (OP&P Program Letter or Sponsor Authorization): _____
Per A/E Agreement/Amendment dated: _____

Services (Check only those services pertaining to invoice):

[] Preliminary Assessment and Schematic Design Phase [] Planning and Special Services
[] Design Phase [] Other ()
[] Construction Phase [] Amendment(s)

Service Dates: For Services Rendered From (date): _____ To (date): _____

<u>Period</u>	<u>To Date</u>	<u>Billing</u>
(1) Direct Salaries _____ Include all information per ATTACHMENT I (EFFORT DETAIL BREAKDOWN)	\$ _____	\$ _____
(2) Labor and General and Administrative Overhead (_____ %)	\$ _____	\$ _____
(3) Direct Non-Salary Expenses (OT Premium) _____ Support documentation must accompany all payment requests of direct non-salary expenses.	\$ _____	\$ _____
(4) Profit – (Fixed Payment \$ _____ x _____ % Complete)	\$ _____	\$ _____
(5) SUBTOTAL (1) – (4)	\$ _____	\$ _____
(6) Outside Services _____	\$ _____	\$ _____

TOTAL AMOUNT EARNED TO DATE: (5) + (6) _____ \$ _____
Maximum Payable (per Engineering Agreement) _____ \$ _____
Estimated total cost to complete project (for billings after 50%) _____ \$ _____
Less Total Amount(s) Previously Invoiced _____ \$ _____
PAYMENT DUE THIS INVOICE _____ \$ _____

I certify that to the best of my knowledge, the percent of work shown as complete on this Invoice is correct.

By: _____
Printed Name and Title

Department Approval
By: _____
Printed Name and Title

NOTE: This format is for general information. The Consultant's format containing essential data may be acceptable.

ATTACHMENT H

LUMP SUM INVOICE (Standard Format)

To: _____, Chief Engineer
Illinois Department of Transportation
Division of Aeronautics
Abraham Lincoln Capital Airport
1 Langhorne Bond Drive
Springfield, IL 62707-8415

From (Firm): _____
Address: _____
Telephone No.: _____
Invoice # _____ Date: _____
[] Partial [] Final

Attn: _____, Section Chief

Airport: _____ Municipality: _____, IL
Illinois Project No. _____ Federal Project No. _____
Notice to Proceed Date (OP&P Program Letter or Sponsor Authorization): _____
Per A/E Agreement/Amendment dated: _____

Services (Check only those services pertaining to invoice):

<input type="checkbox"/> Preliminary Assessment and Schematic Design Phase	<input type="checkbox"/> Planning and Special Services
<input type="checkbox"/> Design Phase	<input type="checkbox"/> Other ()
<input type="checkbox"/> Construction Phase	<input type="checkbox"/> Amendment(s)

Service Dates:

For Services Rendered From (date): _____ To (date): _____

(1) Lump Sum (LS) Fee (or Maximum Payable per Engineering Agreement) ..\$ _____
(2) Percent of Work Complete: _____ %
(3) Fee Earned to Date: (LS \$ _____ x _____ % Complete) ..\$ _____
(4) Less Total Amount(s) Previously Invoiced\$ _____
(5) PAYMENT DUE THIS INVOICE\$ _____

I certify that to the best of my knowledge, the percent of work shown as complete on this Invoice is correct.

By: _____
Printed Name and Title

Department Approval

By: _____
Printed Name and Title

NOTE: This format is for general information. The Consultant's format containing essential data may be acceptable.

ATTACHMENT I

EFFORT DETAIL BREAKDOWN (Standard Format)

Page ____ of ____ Pages

Airport: _____

Illinois Project No. _____

Federal Project No. _____

Invoice No. _____

Date: _____

ENGINEERING COSTS BREAKDOWN

Agreement Paragraph Governing Services	Service Performed	Date Performed	Employee's Name and Classification	Hours	Rate	Amount

Total _____

ENGINEERING FIRM

Name _____

Address _____

Prepared By _____

Date _____

NOTE:

This format is for general information; however the consultant's format containing the essential data may be acceptable.

ATTACHMENT J

TESTING SCHEDULE – N/A

Testing Schedule - anticipated for the Preliminary Assessment and Schematic Design, Design and Construction phases of the project. See subconsultant work scope

Description	Approximate Number
ASTM D 421, Particle Size Analysis	
ASTM D 2217	
ASTM C 422	
ASTM D 698, Moisture-Density Relations of Soil	
ASTM D 1557	
ASTM D 427, Shrinkage Factors of Soil	
ASTM D 2434, Permeability of Granular Soils	
AASHTO T 194, Determination of Organic Materials in Soils by Wet Combustion	
ASTM D 1883, Bearing Ratio of Laboratory Compacted Soil	
AASHTO T 222, Modulus of Soil Reaction	
ASTM D 2487, Soil Classification "Unified System"	
ASTM D 2113, Soil Borings	
ASTM C 207, Hydrated Lime	
ASTM C 131, Abrasion	
ASTM C 88, Soundness	
ASTM D 946, Penetration	
ASTM D 3381, Viscosity	
ASTM D 1559, Marshall Method	
ASTM C 136, Gradation	
ASTM D 2172, Extraction and Gradation	
ASTM D 2726, Bulk Specific Gravity	
ASTM D 2041, Maximum Theoretical Specific Gravity	
ASTM D 2950, Nuclear Density	
ASTM C 117 Washed Aggregate Sample	
ASTM D 4318, Liquid Limit, Plastic Limit, Plasticity Index	
ASTM C 127, Absorption and Specific Gravity	
ASTM C 128	
ASTM C 566, Moisture Content	
ASTM C 31, PCC Test Cylinders	
ASTM C 141, Slump	
ASTM C 231, Air Content	
ASTM C 78, Flexural Strength	
ASTM C 138, Yield, Cement Content	
ASTM D 412, Rubber in Tension	
ASTM D 1664, Striping Test	

The testing form shall be adjusted to the specific project. The consultant shall not assume IDOT will provide any testing and inspections. Payment for these services shall be at the rates established in ATTACHMENT K. - TESTING RATES & COST SUMMARY.

TESTING RATES & COST SUMMARY – N/A

IDOT Division of Aeronautics
Standard A/E Agreement 2012-01

ATTACHMENT L (Optional)

SUMMARY OF PAYROLL BURDEN AND FIXED COSTS

	<u>% of Direct Productive Payroll</u>
Federal Insurance Contributions Act	<hr/>
State Unemployment Compensation	<hr/>
Federal Unemployment Compensation	<hr/>
Workmen's Compensation Insurance	<hr/>
Paid Holidays, Vacation, Sick Leave	<hr/>
Bonus	<hr/>
Pension	<hr/>
Group Insurance	<hr/>
 TOTAL PAYROLL BURDEN & FRINGE COSTS	 <hr style="text-align: right;"/> %

NOTE:

A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.

ATTACHMENT M (Required)

SUMMARY OF OVERHEAD AND INDIRECT COSTS

¶

**CRAWFORD, MURPHY & TILLY, INC.□
SUMMARY OF INDIRECT OVERHEAD COST□
AUDITED CALENDAR YEAR 2023□
AND PROVISIONAL 2023/2024¶**

CMT ACCOUNT NUMBERα	ACCOUNT NAMEα	% OF DIRECT LABOR COSTSα	
<u>PAYROLL BURDEN AND FRINGE BENEFITSα</u>			
6151α	<u>FICA Taxα</u>	12.42%α	¶
6102, 6103, 6170α	Paid Time Off (Vacation, Holidays and Sick Leave)α	17.33%α	
6154, 6156, 6158α	Group Medical, Life, Workers Comp, Disability and Unemployment Insuranceα	13.40%α	
6159, 6160α	Employee Retirement Plan Contributionsα	10.41%α	<u>53.56%α</u>
<u>GENERAL & ADMINISTRATIVE OVERHEAD EXPENSEα</u>			
6104-6120α	Indirect Salaries - Not Allocable to Projectsα	70.50%α	
6222, 6264α	Miscellaneous Taxesα	1.15%α	
6231α	Professional Feesα	3.53%α	
6251α	Rentα	9.37%α	
6252α	Utilitiesα	0.41%α	
6271α	Telephone & Dataα	1.69%α	
6253-6254α	Maintenance, Repairs & Suppliesα	1.28%α	
6261-6265α	Office Supplies, Shipping & Reproductionα	0.77%α	
6281, 6284α	Seminars, Registration & Educationα	2.44%α	
6291,92,95,6321-23α	Travel & Vehicle Expenseα	3.10%α	
6331, 6332α	Business Insuranceα	2.77%α	
6351,52,61,62,69α	Equipment Expense, Repairs & Maintenanceα	0.97%α	
6366, 6367, 6368α	Computer Expense & Suppliesα	12.22%α	
6371,6372,6381,6382α	Maps, Reference Books, Engineering & Survey Suppliesα	0.69%α	
6401+COFCα	Depreciation & Cost of Facilities Capital (0.54%)α	3.62%α	<u>114.51%α</u>
TOTAL OVERHEADα			168.07%α

NOTE: A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.

ATTACHMENT N

PROJECT CERTIFICATION

Airport: _____

Letting Date: _____

IL Project No.: _____

Federal Project No.: _____

Contract No: _____

Project Description: _____

Pursuant to Federal Aviation Regulations, Part 152, as amended, and as a condition to receiving any Federal and/or State financial assistance through a Grant Offer from the FAA and/or the State of Illinois - Department of Transportation for the proposed airport development project, it is hereby represented, to the best of our knowledge, information, and belief that:

1. The Consultant has been selected to provide the necessary professional services for the project described herein and identified in the Professional Services Request For Qualifications (RFQ).
Selection Date (Required):_____ Copy of Retainer attached (ATTACHMENT U).
2. Project is clearly delineated on the currently approved Airport Layout Plan.
Approval Date (Required):_____.
3. Project is environmentally cleared. ☐ CatEx ☐ EA ☐ EIS ☐ FONSI
Approval Date (Required):_____.
4. All Corps/EPA permits and other regulatory agency reviews/approvals/mitigation have been satisfied and there are no known encumbrances to the completion of the project.
☐ Yes ☐ No.
5. Plans were prepared in accordance with FAA approved standards and advisory circulars; and, the specifications were prepared in accordance with the FAA approved *Illinois Standard Specifications For Construction Of Airports*, along with the Division of Aeronautics' most current Policy Memorandums and "Handout" Specifications, except as noted by attached Modification of Standards (MOS) which has been addressed and justified in the engineering report and submitted to and approved by the FAA and Engineer of Design. ☐ Yes ☐ No.
Approval Date of MOS (If applicable):_____.
6. The design conforms to the approved project scope. ☐ Yes ☐ No.
7. Provisions have been included for safety during construction (per guidance explained in FAA AC 150/5370-2F (or current) Operational Safety on Airports during Construction). ☐ Yes ☐ No.
8. The plans, special provisions and quantities have been thoroughly checked in accordance with best management practices by the Consultant for accuracy and consistency, and are in conformance with AC 150/5300-13 (latest edition). All contract deliverables referenced in Section I.F. DELIVERABLES have been submitted, received and determined acceptable.
☐ Yes ☐ No.

Date _____

By: _____

Design Engineer (Consultant)

Date _____

By: _____

Sponsor

Date _____

By: _____ P.E.

Department Design Engineer

Date _____

By: _____ P.E.

Engineer of Design

ATTACHMENT O

DBE FINAL DOCUMENTATION



Prime Consultant

Name _____

Address _____

Telephone _____

Subject

Airport _____

Illinois Project No. _____

Federal Project No. _____

DBE Subconsultant

Name _____

Address _____

Telephone _____

Contract Amounts

Consultant Contract Amount _____

DBE Contract Amount _____

DBE Participation (%) _____

This documentation verifies the services provided and the amount paid to the DBE Subconsultant on the above captioned contract. The undersigned certifies that the services reported herein were executed by the DBE, that the DBE actually provided the services and that the services reported herein conform to the services reported in the approved Professional Services Agreement together with any amendments approved by the Sponsor and/or Division as applicable.

Description of Service Provided	Contract Amount	Amount Paid	Difference (+/-)
1.			
2.			
3.			
4.			
5.			
6.			
Totals			

DBE Contract amount has been met or exceeded [☐] Yes [☐] No (*check one*).

DBE Contract amount not met – Shortfall \$_____ (*documentation explaining shortfall attached*).

Prime Consultant

DBE Subconsultant

Print Name _____

Title _____

Signature _____

Date _____

Print Name _____

Title _____

Signature _____

Date _____

ATTACHMENT P

PROJECT SKETCH

N/A – Equipment Procurement Project

ATTACHMENT Q

PROJECT LETTING SCHEDULE

PRELIMINARY PROJECT SCHEDULE

The proposed anticipated project schedule is as follows. The schedule is contingent upon reasonable response and reviews being provided the consultant prior to each subsequent delivery date. This project will be locally let.

<u>Schedule Item</u>	<u>Anticipated Duration</u>	<u>Due Date</u>
Pre-Design Meeting		April 24, 2024
Develop Preliminary Plans & Specifications (90%)		April 4, 2025
Agency/Owner Review of 90% Plans Comments	1 Week	April 11, 2025
Develop Final Plans & Specifications (100%)	1 Week	April 18, 2025
Local Letting	3 Weeks	May 9, 2025
Award Date		May 23, 2025

It is agreed that delays in the consultant receiving agency comments and approvals beyond the review period presented will result in a revised, mutually agreeable schedule for subsequent submittals.

ATTACHMENT R

OP&P PROGRAM LETTER



Illinois Department of Transportation

Office of Planning and Programming
2300 South Dirksen Parkway / Springfield, Illinois / 62764

December 9, 2021

Ms. Renee Riani
Airport Manager
DeKalb Taylor Municipal Airport
3232 Pleasant Street
DeKalb, IL 60115

Ms. Riani,

In June 2019 Governor JB Pritzker signed a historic, bipartisan Rebuild Illinois Bill that gives Illinois its first capital plan in nearly a decade – and the most robust in state history. This capital plan includes \$150 million in funding for projects at airports throughout the state to ensure the continuation of safe and efficient operations at these facilities and maximize opportunities for economic development in Illinois.

The project detailed herein was selected for your airport based on project requests submitted by the airport to the Department during the April 30, 2021 Rebuild Illinois Capital Investment Program call for projects that ended June 14, 2021. Funding for the Rebuild Illinois Airport Capital Investment Program is dependent upon legislative authorization of state appropriations and the release of funds by the Governor's Office.

In the event the Illinois General Assembly fails to appropriate funds, or sufficient funds are otherwise not made available for this project, the Airport Sponsor will be required to pay the state costs as itemized below. This will also include any amount which exceeds the totals listed.

The GRANTEE shall pay such additional project costs which exceed the sum of the GRANTOR's funds, as are herein committed for this Project. No additional state funds beyond those listed in this program letter will be allocated to the project indicated. Any additional project costs which exceed the total sum of state funds as planned and programmed are solely the responsibility of the Sponsor.

The project is titled: "Acquire Airport Runway Broom".

Multi-modal Transportation Bond Funds	\$585,000
Local Match	\$65,000
<hr/> Total Project Cost	<hr/> \$650,000

To ensure eligibility of professional services for state participation, you are required to satisfy the qualifications-based selection process and enter into a retainer agreement, or professional services A/E agreement with the consultant of record selected for the project prior to any costs being incurred. This should take place prior to the project initiation/pre-design meeting. Aeronautics will facilitate this process, as well as the initial development and review of fees.

A requirement of the Rebuild Illinois Airport Capital Investment Program is the Illinois Works Jobs Program Act (30 ILCS 559/20-1 et seq.). For contracts having an awarded contract value of \$500,000 or more, the Grantee shall comply with the Illinois Works Apprenticeship Initiative (30 ILCS 559/20-20 to 20-25) and all applicable administrative rules. The goal of the Illinois Apprenticeship Works Initiative is that apprentices will perform either 10% of the total labor hours actually worked in each prevailing wage classification or 10% of the estimated labor hours in each prevailing wage classification, whichever is less. The Grantee may seek from the Department of Commerce and Economic Opportunity (DCEO) a waiver or reduction of this goal in certain circumstances pursuant to 30 ILCS 559/20-20(b). The Grantee shall ensure compliance during the term of the contract and will be required to report on and certify its compliance. An apprentice use plan, apprentice hours, and a compliance certification shall be submitted to the Engineer on forms provided by the Department and/or DCEO.

Please contact Mr. Joe Staats, P.E. – Section Chief of Airport Design at 217.785. 5746 to initiate this project. Projects are initiated by scheduling a predesign meeting for design/construction projects or a project initiation meeting for planning and environmental projects.

Please contact Richard Borus in Aeronautics at 217.785.0056 or me in the Office of Planning and Programming at 217.782.4118 if you have questions regarding this program letter.

Sincerely,



BJ Murray
Section Chief, Aviation Program Planning
Office of Planning and Programming

ATTACHMENT S

**CURRENT IDOT PROVISIONAL PAYROLL BURDEN / FRINGE EXPENSE AND GENERAL /
ADMINISTRATIVE EXPENSE RATE LETTER**



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

August 15, 2024

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Roger Driskell
CRAWFORD, MURPHY, & TILLY, INC.
2750 West Washington Street
Springfield, IL 62702

Dear Roger Driskell,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2023. Your firm's total annual transportation fee capacity will be \$99,200,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 168.07% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Bureau of Investigations and Compliance in a pre-award audit. Pursuant to 23 CFR 172.11(d), we are providing notification that we will post your company's indirect cost rate to the Federal Highway Administration's Audit Exchange where it may be viewed by auditors from other State Highway Agencies.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2024. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Jack Elston, P.E.
Bureau Chief
Bureau of Design and Environment

ATTACHMENT T

CONSULTANT'S PRELIMINARY ESTIMATE OF PROBABLE CONSTRUCTION COSTS



2022 Transportation Improvement Program
Estimate of Work

6-11-22

Airport Name:	Dekalb Taylor Municipal		
Associated City:	Rockford		
Year Requested:	2023	Sponsor Priority:	3

PROJECT TITLE:				
Acquire Snow Removal Equipment - Runway Broom				

Estimate of Work							
ITEM	QUANTITY		UNIT PRICE		PRICE	Potential DBE	
	#	Unit(s)	\$	Unit		\$	%
EXCAVATION							
Clearing/Grubbing			/				
Earthwork			/				
DRAINAGE							
Underdrains			/				
Pipe			/				
Curb and Gutter			/				
Special Structures			/				
PAVING							
Agg. Base Course			/				
401			/				
501			/				
Seal Coat			/				
Crack Filling			/				
Panel Replacement			/				
Butt Joint			/				
Grooving			/				
Special			/				
LIGHTING							
Fixtures, Signs (New/Relocated)			/				
Cable & Transformers			/				
Taxway Lighting Fixtures			/				
Duct / Conduit			/				
Fixture Removals			/				
LANDSCAPING							
Seeding/Mulching/Blanket			/				
Sodding			/				
Watering			/				
Special (Wetlands)			/				
FENCING							
Class C			/				
Class E			/				
Gates (Manual/Electric)			/				
OTHER / MISC.							
Mobilization			/				
Marking			/				
Demolition			/				
Other Items - Equipment	1 LS		\$650,000.00 / LS		\$650,000.00		
Engineering/Administration			/				
Studies			/				
Land Acquisition			/				
Survey			/				
Other Specialty Items			/				
Geotechnical			/				
Utility/Force Account Work			/				
			/				
			/				
TOTAL COST:					Potential DBE		
\$650,000.00					\$	%	

ATTACHMENT U

RETAINER AGREEMENT

AGREEMENT FOR ENGINEERING SERVICES

THIS AGREEMENT made at DeKalb Illinois, this 27th day of June in the year 2022, by and between the City of DeKalb (hereinafter referred to as the "Owner"), as Party of the First Part, and Crawford, Murphy & Tilly, Inc. (hereinafter referred to as the "Engineer"), as Party of the Second Part.

WITNESSETH:

WHEREAS, the Owner intends to sponsor the accomplishment of a development program in stages of the public air navigation facilities known as the DeKalb Taylor Municipal Airport located in Latitude 41°56'02"N, Longitude 88°42'20" W, in DeKalb County, State of Illinois; and

WHEREAS, the development program shall include projects described as:

1. Preparation of necessary applications and documentation for FAA / IDOT AIP grant funding.
2. Rehabilitate Runway 09/27
3. Rehabilitate Taxiway B
4. Rehabilitate T-Hangar Pavements Phase 3
5. Professional Services associated with Acquiring a Fuel Truck
6. Professional Services associated with Acquiring Snow Removal Equipment
7. Rehabilitate Runway Circuit Lighting and Signage
8. Reimbursement for Purchase of SRE Building
9. Replace Perimeter Fencing
10. Rehabilitate Taxiway A
11. Expand the Large Aircraft Parking Apron
12. Professional Services associated with Acquiring Acreage for Expansion
13. Airport Utility Relocation Phase 1
14. Enlarge 1st Detention Basin & Construct 2nd Detention Basin Phase II
15. Relocate a Portion of Pleasant Street
16. Professional Services associated with Airport Utility Relocation Phase II
17. Preparation of Updates to the Airport Layout Plan and Exhibit "A" Property Line Map and Preparation of the Environmental Assessment Documents
18. Professional Services associated with Land or Easement Acquisition
19. Design and Construction of Utility Relocations/Extensions

WHEREAS, the Department of Transportation, Division of Aeronautics, State of Illinois, is authorized Agent of the Owner under the proposed development program (it shall be hereinafter referred to as the "Division");

WHEREAS, the Engineer agrees to furnish an executed "Certification of Engineer" and certain professional engineering services enumerated hereinafter, in connection with the aforesaid development project.

NOW, THEREFORE, for and in consideration of the benefits which will accrue to the parties hereto by virtue of this Agreement and the respective covenants herein contained, IT IS MUTUALLY COVENANTED AND AGREED as follows:

I. ENGINEERING SERVICES

The Engineer agrees to furnish and perform the various professional engineering services required for the preparation of the above reference construction project as follows:

(A.) The Planning Phase

1. Upon request by the Owner, the Engineer agrees to attend meetings and provide any professional advice, guidance and assistance in planning for the projects

Certificate of the Publisher

Daily Chronicle

Description: BID ACQUIRE SRE
2237836
DKB-4906

CITY OF DEKALB
ATTN: RUTH SCOTT
164 E LINCOLN HIGHWAY
DEKALB IL 60115

Shaw Media certifies that it is the publisher of the Daily Chronicle. The Daily Chronicle is a secular newspaper, has been continuously published daily for more than fifty (50) weeks prior to the first publication of the attached notice, is published in the City of DeKalb, County of DeKalb, State of Illinois, is of general circulation throughout that county and surrounding area, and is a newspaper as defined by 715 ILCS 5/5.

A notice, a true copy of which is attached, was published 1 time(s) in the Daily Chronicle, namely one time per week for one successive week(s). Publication of the notice was made in the newspaper, dated and published on 04/08/2025

This notice was also placed on a statewide public notice website as required by 715 ILCS 5/2.1.

In witness, Shaw Media has signed this certificate by Laura Shaw, its Publisher, at DeKalb, Illinois, on 8th day of April, A.D. 2025

Shaw Media By:



Laura Shaw, Publisher

Account Number 40609

Amount \$97.34

BID NOTICE
INVITATION TO BID

The DeKalb Taylor Municipal Airport will accept sealed bids for purchase and delivery: **BASE BID DESCRIPTION: ACQUIRE SNOW REMOVAL EQUIPMENT (SRE): ONE (1) WHEEL LOADER WITH BUCKET, ONE (1) WHEEL LOADER BROOM ATTACHMENT; ONE (1) SKID-STEER LOADER, ONE (1) SKID-STEER LOADER BROOM ATTACHMENT, ONE (1) SKID-STEER LOADER BOX PLOW ATTACHMENT. ADDITIVE ALTERNATE #1 DESCRIPTION: ONE (1) 84-INCH SNOW BLOWER FOR SKID-STEER LOADER. BID OPENING DATE: MAY 9, 2025 BID OPENING TIME: 2:00 PM CST. BID RESPONSES MUST BE RECEIVED NO LATER THAN THE PUBLIC BID OPENING DATE AND TIME (LOCAL TIME) SPECIFIED ABOVE. BIDS WILL BE OPENED AND READ ALOUD AT THAT TIME. LATE BIDS WILL NOT BE CONSIDERED. TO ALL PROSPECTIVE VENDORS/BIDDERS: All bids must be received in **DUPLICATE** in sealed envelopes. Bids must be delivered prior to the public bid opening date and time to: City of DeKalb Water Division 1216 Market St. DeKalb IL 60115 Attn: April Beeman. Instruction to Bidders, form of proposals, form of agreement, specifications, and wage rate will be available on April 9, 2025, and may only be obtained from The City of DeKalb (by visiting www.cityofdekalb.com/bids.aspx) All addenda issued for this contract shall also be available through the City of DeKalb to registered plan holders as they become available.**

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