

**Manistee County Blacker Airport
Manistee, Michigan**

REQUEST FOR PROPOSALS

**Aircraft Rescue and Firefighting Vehicle
Fluorine-Free Foam (F3) Transition Services**

Proposal Issue Date: July 8, 2026

Proposal Due Date: July 31, 2026

**Manistee Blacker Airport Authority
2323 Airport Road
Manistee, Michigan 49660**

Request for Proposals
Aircraft Rescue and Firefighting Vehicle
Fluorine-Free Foam (F3) Transition Services

The Manistee County Blacker Airport (MBL) is seeking a firm capable of transitioning its aircraft rescue and firefighting (ARFF) vehicle for the use of fluorine-free firefighting foam (F3). This will include the removal and disposal of aqueous film-forming foam (AFFF) and associated residue containing per- and poly-fluoroalkyl substances (PFAS) presently in the vehicle. The firm selected shall be capable of implementing the scope of work presented in this request for proposals (RFP).

ARFF Vehicle Information

MBL has one (1) Part 139 ARFF Index A vehicle in its fleet to be transitioned to F3 use which is equipped with both a bumper turret and handline hoses. A summary of technical information about the vehicle is presented in the table below. MBL is planning to equip the vehicle with Solberg 3% MIL-SPEC Synthetic Fluorine-Free Foam (SFFF); however, the purchase of this product is pending. Submitted proposals are asked to consider this in their approaches in case a different MIL-PRF-32725 compliant foam is chosen.

Year	Manufacturer	Model	Carrier Vehicle	Water Tank Capacity	Foam Tank Capacity	Dry Chemical Capacity
2007	Unruh (Renegade)	CAV-5300	Ford F550	300 gal	40 gal	500 lbs

Source: Manistee County Blacker Airport (2026)

Technical Approach

Submitted proposals are asked to explain their technical approach in removing AFFF and associated residue containing PFAS from the ARFF vehicle. A multiple-rinse procedure is requested with post-rinse testing required to verify the level of PFAS removed. Rinsing fluids needed for the process are to be free from any detectable concentrations of Comprehensive Environmental Response, Compensation, & Liability Act (CERCLA) listed hazardous substances. All rinse water used for this process will need to be collected and treated for the removal of PFAS prior to offsite discharge, with certifiable removal requested prior to an offsite discharge that meets applicable federal, state, and local environmental regulations. The contractor selected for the work will be responsible for the offsite discharge including the coordination for applicable permitting that may be needed to comply with environmental regulations.

Proposals shall include details about the estimated volume of waste that will be generated requiring off-site disposal. For these estimates, rinse water, rinse water sediments, slurry, filter media, etc. that could be generated should be factored as well as waste streams generated during demobilization/rinsing of the technology equipment. Approaches that generate the smallest volume of waste will be considered in selection of the proposal to perform the work.

The approach that can achieve the greatest PFAS mass removal possible will be factored in selection of the contractor to perform the work. Proposals are required to provide a list of ARFF vehicle components in

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which AFFF can be removed by their proposed rinsing process. Should a proposed approach require the replacement of vehicle components to achieve a mass reduction in detected PFAS compounds, it is required that proposals provide a list of anticipated vehicle components that will need to be replaced for grant reimbursement consideration at the discretion of the Department of Environment, Great Lakes, and Energy (EGLE). For each component, please include details such as manufacturer/model of the part, quantity needed, and purpose for the replacement. Costs to replace components are required to be included as part of the total cost.

Proposals shall include an estimated percentage (%) reduction in PFAS from the water rinse streams prior to disposal for the analyte list found in EPA Method 1633. This includes the seven PFAS compounds regulated by EGLE:

- Perfluorooctanoic acid (PFOA)
- Perfluorooctanesulfonic acid (PFOS)
- Perfluorononanoic acid (PFNA)
- Perfluorohexanesulfonic acid (PFHxS)
- Perfluorobutane sulfonic acid (PFBS)
- Perfluorohexanoic acid (PFHxA)
- Hexafluoropropylene oxide dimer acid (HFPO-DA)

Use of a laboratory certified by the United States Environmental Protection Agency (EPA) using Method 1633A in analyzing the removal of PFAS from the waste stream is requested. Secondary containment of all equipment containing contaminated media, products, or waste will be required. Any temporary storage of contaminated materials during the rinsing process will be required to be in closable containers.

After the process to remove AFFF is complete, testing for the absence of PFAS compounds from the ARFF vehicle is requested, including the bumper turret and handline hoses. Non-detection of PFAS is desired; however, this may not be achievable. The bidder that can demonstrate in their proposal an approach that can most closely achieve this non-detection goal will be factored in the selection of the contractor to perform the work. If the results of post-rinsing sampling do not align with the approach proposed by the contractor, an additional round of rinsing at no additional cost may be requested.

Provision of Temporary ARFF Vehicle

If the removal of AFFF and transition to F3 use requires MBL's ARFF vehicle to be out-of-service for a duration that it prevents the vehicle from being operationally capable of providing emergency response services during air carrier operations, proposals are asked to include an approach to provide a temporary ARFF vehicle. If possible, it is requested that the temporary vehicle be a similar make/model to MBL's existing ARFF vehicle. The temporary ARFF vehicle must meet Part 139 Index A requirements and be available for use during the timeframe that MBL's ARFF vehicle is being removed of AFFF and transitioned to F3. The temporary vehicle must be equipped with agent meeting Part 139 Index A requirements and must have documented that its foam proportioner system has been calibrated within the past 6 months.

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Inclusion of training needed for MBL ARFF personnel to operate the vehicle and meet Part 139 response requirements should also be included. The cost of the ARFF vehicle rental is required to be included as part of the total cost.

Final Report

After work has commenced, proposals are required to include a final report summarizing the work effort. This report should include a summary of the entire effort including details of mobilization, the approach used to remove AFFF, the method to dispose of waste, and the sampling results of rinse material prior to disposal. Documentation of the sampling to determine how much PFAS have been removed from the ARFF vehicle and the process to equip the vehicle with F3 should also be included. In addition, completion of a fire truck cleanout survey will be required for MBL to meet EGLE grant requirements. A copy of the EGLE survey will be provided prior to work commencing.

Qualifications and Experience

Proposals must show prior cleanout of at least one (1) ARFF vehicle. Demonstration of this experience for a vehicle in comparable size is preferred. Please include a copy of the results report as well as references (name, company/organization, job title, phone, email) and a resume of comparable work. MBL reserves the right to contact these references.

Schedule

It is requested that implementation of the work be conducted during a single mobilization. Proposers shall include a schedule documenting the estimated timeline, including detail on all steps and phases of the transition process and post cleaning testing. For purposes of seeking reimbursement through the grant that was awarded, all work including rinsing, sampling, and demobilization must be completed by December 31, 2026.

Cost

Proposals shall include a schedule of charges that includes all travel, lodging, per diem, administrative overhead, equipment, labor, and materials necessary to conduct the requested services. The schedule of charges should identify costs associated with mobilization / demobilization, and on-site labor, in addition to cost for transitioning the vehicles. Since EGLE grant money is being used to fund this effort, it is requested that the maximum cost be no more than \$140,000.

Addenda

Should addenda be issued for this RFP, it will be shared via <https://www.flymanistee.com/>. Proposers shall acknowledge in their submitted proposal that they have reviewed all addenda. It is the sole responsibility of the proposer to obtain all addenda.

Insurance

The Proposer shall procure and maintain insurance in implementing the proposed transition technology. This shall include pollution liability coverage for sudden and accidental incidents involving hazardous, toxic, biological, mold, and other pollution related materials.

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Questions and Communications

Questions and communications regarding this RFP shall be directed to Mr. Miles Weaver, Airport Director at manager@flymanistee.com.

Proposal Submission

Proposals must be received by July 31, 2026 and should be submitted electronically to: manager@flymanistee.com

Procurement Schedule

The procurement schedule is as follows:

- Due date for proposal submission: July 31, 2026
- Proposal evaluation period: (1-7 days after proposal submission date)
- Notification of award: (7 days after proposal submission date)
- Anticipated contract execution: (14 days after notification of award)