

# Replacement of Fire Department Airport Vehicles

April 14, 2026

CJ Alexander, Fire Chief

The logo for Addison, featuring the word "ADDISON" in a bold, blue, sans-serif font centered within a white circle. The circle is set against a blue background that is part of a larger graphic design on the right side of the slide, which includes a grey triangle in the top-left corner and a grey triangle in the bottom-right corner.

# Background

## Squad 101

- Placed into service in 2018 – currently at 8 years of service.
- Scheduled for replacement in FY2027 in the Town’s Asset Management Plan.

## Rescue 101 – Airport Rescue Firefighting (ARFF) Vehicle

- Placed into service in 2020 – currently at 6 years of service.
- Replacing with Squad 101 to transition all equipment at the same time from Aqueous Film Forming Foam (AFF) to Fluorine-Free Foam (F3).

**The FY2026 Capital Improvement Plan budget includes funding to replace both vehicles with a budget of \$1.5 million.**

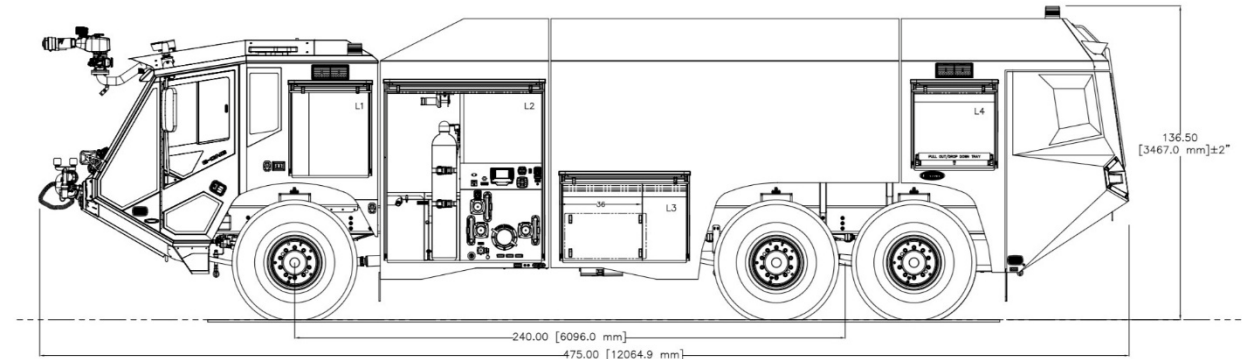


# Transition to F3 Foam

- The primary driver for Rescue 101 replacement is **to transition from AFFF foam to F3 foam** for suppressing fuel-based fires.
- The current vehicle contains **AFFF foam with PFAS** ('forever chemicals') which:
  - Do not break down in the environment.
  - Accumulate in water, soil, and the human body over time.
  - Have been linked to adverse effects.
  - Are increasingly restricted by federal and state environmental agencies.
- **F3 Foam:**
  - Does not contain PFAS.
  - Provides effective fire suppression capabilities.
  - Eliminates long-term environmental and health hazards associated with AFFF.
  - Aligns with best practices from the Federal Aviation Administration (FAA), Environmental Protection Agency (EPA), and National Fire Protection Association (NFPA).

# Proposed Apparatus

- **Squad 101** → ARFF Rapid Intervention Vehicle (RIV)
- **Rescue 101** → E-One 6x6 Titan ARFF
- **Improves:**
  - Safety
  - Compliance
  - Operational Capability



- On June 17, 2024, the Town signed a Letter of Intent for the two vehicles through a cooperative contract with Sourcewell.
  - AFD initiated the purchase of a new ARFF in June 2024 due to the long lead times involved in designing and manufacturing specialized emergency equipment – often more than 18-24 months.
  - The Town completed the same process for the purchase of the E101 and Q102 apparatuses.
  - Sourcewell streamlines the procurement process by developing national, competitive solicitations through a rigorous process.
    - The process is continually refined to best meet the needs of participating government agencies to offer access to exceptional products from nationally acclaimed suppliers.

- Funding for this purchase is allocated in the FY 2026 Capital Improvement Plan budget and is funded by the issuance of bonds that were approved by Council at the January 13, 2026 Council Meeting.
  - The annual debt service of the Contractual Obligations is serviced by the Airport Fund.
- AFD could decontaminate the existing ARFF vehicle, but it is complex, costly, and uncertain due to PFAS chemicals.
- AFD will receive trade-in value for current vehicles.
- Currently, AFD has appropriate reserve vehicles.

Rescue 101 (E-One ARFF)	\$1,506,791
Squad 101 (RIV)	\$398,000
Sourcewell Fee	\$2,000
Trade-In Value	(\$435,000)
<b>Total:</b>	<b>\$1,471,791</b>

- Staff recommends approval of the purchase the two (2) vehicles.
- If approved, the following are estimated arrival dates:
  - **New Squad 101** - May 2026
  - **New Rescue 101** - Summer 2026

# Questions