



## TRUCKEE TAHOE AIRPORT DISTRICT STAFF REPORT

**AGENDA TITLE:** Automatic Dependent Surveillance Broadcast (ADSB) Update

**MEETING DATE:** 03/25/2020

**PREPARED BY:** Hardy Bullock, Director of Aviation & Community Services

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**RECOMMENDED ACTION:** Accept the guidance and update presented here. Present questions to staff for program clarification.

**DISCUSSION:** On June 26, 2019 the Board authorized Staff to enter into an agreement with L3Harris, formerly Harris Corp. for approximately \$940,000 to provide ADSB surveillance system services. The arrangement provides for the construction of ADSB facilities, the delivery of data to the airport and the integration of systems allowing certified FAA use of ADSB data for separation of aircraft. Truckee Tahoe Airport is the second customer in the nation of such a service agreement, the Federal Aviation Administration being the first customer. Staff, District Counsel, the FAA, and the Contractor, L3Harris have spent the past 9 months developing the final surveillance solution. Some of the project components are listed below.

- Contractual agreements suitable for public consumption free of items protected, confidential or proprietary in nature.
- Agreements for land leases and power use with the City of South Lake Tahoe.
- Development of design drawings and plan sets approved by Eldorado and Nevada County.
- Development of secured communications infrastructure and underground fiber optics and copper T1 lines to the temporary tower facility.
- Development of the Service Volume Design Documents technically outlining the final airspace coverage.
- Integration plans with Oakland Center to ensure the ADSB data is usable and functionally integrated to meet the project objectives for KTRK.
- Backup power generator installations.

- Display technology integration for KTRK, Midwest ATC, and the FAA.

**WHAT'S NEXT:** The first payment in the amount of approximately \$400,000 will be due in April for system design, engineering, and mobilization of construction, (service establishment). These plans could be subject to delay based on COVID-19. At this time L3Harris and Staff are working off this tentative schedule:

March	Final Contract, Display Technology Designation/Engineering
April	Permits, Leases, Agreements, Sub-Contractor Selection
May	Construction, Display Technology Integration
June	Construction, Data Integration, Display Technology Integration
July	FAA Data Integration, System Acceptance Testing
August	Flight Testing
September	Project Completion

**FISCAL IMPACT:** \$940,000 approximately +/- 10% contingency.

**PUBLIC COMMUNICATIONS:** Extensive outreach was completed in 2019. The master repository for this informational campaign can be found here <https://trucketahoeairport.com/aviation/ads-b>.