



TRUCKEE TAHOE AIRPORT DISTRICT STAFF REPORT

AGENDA TITLE: Flight Procedures

MEETING DATE: 2/23/2022

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

RECOMMENDED ACTION: Approve the contract amendment, *FIRST AMENDMENT TO EXHIBIT B – FEE SCHEDULE*, attached.

DISCUSSION: This flight procedure work began in March 2021. The running development timeline is now at 11 months. The estimated timeline for the development of flight procedures is 18-36 months. The Initial Instrument Flight Procedure Feasibility Consulting task order with Flight Tech Engineering (FTE) is complete. The outcome of this consultative work is included here in a presentation from FTE. There are two significant modifications the Board should be aware of. First, the TAHOE1 departure procedure will be replaced with the ASTAA RNAV guided Standard Instrument Departure, the TRUCK4 existing departure procedure will remain. This ASTAA procedure will offer high accuracy guidance for aircraft departing runway 29. This course moves the flight track slightly west away from Prosser Lakeview toward Alder Hill and more closely aligns with highway 89. The exact alignment is undetermined but upon first review it appears promising. The second modification is the inclusion of the “SIGNA” departure concept within this ASTAA procedure. This will allow the timely development of the SIGNA alignment off runway 29 to the west as previously depicted in supporting illustrations, charts, and videos. This procedure significantly changes the route aircraft fly when departing runway 29. This includes a straight-out segment from the airport west over Martis Estates, Ponderosa Golf course then a left turn along highway 80 westbound. This route continues west while climbing along the ridge north of Donner Lake parallel to Armstrong Track and Tahoe Donner.

Flight validation will be taking place within the month of March at an estimated cost not to exceed \$35,000. Additional cost may be required once the flight-testing portion begins work and Staff will make the General Manager aware of any cost deviations as they arise. It is

recommended that outreach begin as soon as possible on the ASTAA routing providing no unforeseen hurdles arise in the March flight validation portion of the project.

WHAT’S NEXT: Following approval of the final agreement work will commence and the Board will be appraised monthly of the ensuring progress. Staff has included the previous flight procedures presentation for reference purposes.

FISCAL IMPACT: The *FIRST AMENDMENT TO EXHIBIT B – FEE SCHEDULE*, depicts a total cost increase of \$20,000 due the new criteria use for RNAV GPS vs. (Visual) RVFP criteria and the additional cost increase for the flight validation.

Section 2.1 - One-time development costs listed by procedure option

One Time Development Costs		
Instrument Approach Procedures (IAPs)		Amount
RNAV (GPS) RWY 11 (A-RNP to LPV Approach)		\$65,000.00
RNAV (GPS) RWY 29 w/ Fly Visual Segment (*see note 1)		\$55,000.00
RNAV Visual (RVFPs) - **OPTIONAL (see note 2)		
Option #1: RVFP RWY 29 – Lake Tahoe South Arrival	\$42,500	\$40,000.00 -
Option #1: RVFP RWY 29 – Donner Lake - West Arrival	\$42,500	\$40,000.00 -
RNAV Departure Procedures ***OPTIONAL (see note 3)		
		Amount
RNAV RWY 11		\$18,000.00
RNAV RWY 29		\$18,000.00
Commissioning Flight Inspection		
		Amount
Sponsor Aircraft or FIS w/Flight Tech Evaluator (includes travel, process & submit FAA inspection report). Price is dependent on number of procedures being implemented.	\$35,000	13,000.00- \$20,000.00

PUBLIC COMMUNICATIONS: Covered through the public meeting notification system. Additional outreach efforts are being finalized with the microsite being the primary element to that effort. Once the Board understands the final Airport Masterplan outreach, Staff will begin presenting public outreach opportunities as approved by the Board.

SAMPLE MOTION(S): I move to approve/deny the Flight Tech Engineering *FIRST AMENDMENT TO EXHIBIT B – FEE SCHEDULE* and authorize the Board Chair and General Manager to execute a final agreement.

ATTACHMENTS:

FIRST AMENDMENT TO EXHIBIT B – FEE SCHEDULE

FLIGHT PROCEDURES PRESENTATION for reference purposes