

TRUCKEE TAHOE AIRPORT DISTRICT
BOARD OF DIRECTORS AGENDA ITEM SUMMARY

Topic: **APRON LIGHTING AND SEGMENTED CIRCLE**

Purpose	Information:	Guidance:	Decision:	✓
Recommendation	There are three recommendations associated with this agenda item: <ol style="list-style-type: none">1. Award the construction contract contingent on FAA approval and funding to Koch & Koch in the amount of \$427,886.002. Authorize the General Manager to enter into a contract with Atkins to provide construction management based on time and expenses not-to-exceed \$38,320.00, contingent on FAA funding.3. Authorize the General Manager to submit a grant application to the FAA to obtain \$441,000.00 in federal funding for the project.			
Last Action	This project was advertised for bids last year, however there was a discrepancy with the bid proposals and at the July 28 th meeting, the Board rejected all bids.			
Discussion	<p>The project includes replacing apron lights and light poles at various locations at the airport. The work includes removing five existing wooden light poles and replacing them with steel poles; removing, relocating, and replacing one existing steel pole, and replacing a total of thirty-four apron lights with new more efficient units that are Dark Sky compliant. The metal pole to be removed is the one located just north of the fuel island. This will improve safety and mobility of aircraft around the self-serve island. The existing conduit will be re-used and new wire will be installed to operate the lights. Also included is the removal and replacement of the existing segmented circle and the lighted windcone with a new segmented circle and an internally lit windcone. This work includes a new foundation and electrical connection for the wind cone, a new segmented circle, grading within and around the segmented circle, and placing asphalt concrete grindings within and around the segmented circle.</p> <p>It is important to note that all lights will now be individually controlled. Currently, all airport ramp lights are either on or off. When this project is complete Airport Staff will have the ability to shut off lights not in use at certain times of the year or unnecessary if areas of the ramp are not being used.</p> <p><u>BIDS</u> The bid opening for this project was held on August 15, 2012 and</p>			

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four bids were received, which are as follows:

COMPANY	BID
Koch & Koch	\$ 427,886.00
Par Electrical Contractors	\$ 466,557.00
West Coast Contractors	\$ 471,547.00
Royal Electric	\$ 489,814.40
Engineer's Estimate	\$ 473,900.00

All four bidders have current and active licenses from the Contractors State License Board to perform the work and all bidders submitted complete bid proposals.

Therefore, the lowest responsive bid was received from Koch & Koch in the amount of \$427,886.00.

CONSTRUCTION MANAGEMENT

Atkins will provide the construction management services based on a 40 calendar day construction period. Construction management includes conducting the pre-construction conference; review of material submittals to ensure compliance with the specifications; performing materials testing during construction; verification of elevations for subgrade at the segmented circle; contract administration which includes weekly construction meetings, processing pay requests, review of certified payroll, processing change orders, and preparation of the weekly FAA construction reports; provide part-time electrical inspections; provide an expert lighting consultant to perform a nighttime inspection and provide recommendations to the contractor for aiming adjustments for the light fixtures; perform a final inspection; and preparation of the final Engineer's Report with the record drawings. The Truckee Tahoe Airport District will provide the daily inspection of the construction.

GRANT APPLICATION

The total project cost includes the lowest responsive bid for the construction, administration provided by TTAD, and the engineering services associated with the project. The FAA will fund 90-percent of all eligible project costs. The cost for bidding services provided

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by Atkins is ineligible for federal funding because the District was reimbursed for last year's bidding phase.

The various costs associated with the project are listed on the following page.

ITEM	AMOUNT
Construction Cost	\$ 427,886
TTAD Administration	\$ 10,454
Single Audit	\$ 3,500
Engineering Design	\$ 9,840
Bidding Services (ineligible)	\$ 6,200
Construction Management	\$ 38,320
TOTAL	\$ 496,200
Ineligible Project Cost	(\$ 6,200)
TOTAL ELIGIBLE PROJECT COST	\$ 490,000
FAA Share – 90%	\$ 441,000
TTAD Share – 10% + Ineligible	\$ 55,200

The grant application for this project will request \$441,000 in federal funding.

Fiscal Impact

The fiscal impact to the TTAD is approximately \$55,200 which is 10-percent of the project cost eligible for federal funding plus the ineligible project costs.

Communication Strategy

When this project is complete, Airport staff will use newsletters and the website to inform the District about efficiency improvements of our lighting. We will also publicize our effort to decrease the glow of the airport at night and our effort to make the airport Dark Skies compliant.

Attachments

Atkins Task No. 8 to provide construction management services.
