



Agenda Item No. 5

To: Building and Operating Committee/Committee of the Whole
Meeting of December 17, 2009

From: James P. Swindler, Deputy General Manager, Ferry Transit Division
Christian N. Stark, Marine Projects Manager, Ferry Transit Division
Celia G. Kupersmith, General Manager

Subject: **AUTHORIZE EXECUTION OF THE FIRST AMENDMENT TO THE PROFESSIONAL SERVICES AGREEMENT WITH MARINE SYSTEMS CORPORATION RELATIVE TO REQUEST FOR PROPOSALS NO. 2009-FT-10, ENGINEERING AND DETAILED DESIGN SERVICES FOR THE RE-FURBISHMENT OF THE M.V. SNOHOMISH AND M.V. CHINOOK FERRIES**

Recommendation

The Building and Operating Committee recommends that the Board of Directors approve the following actions relative to Request for Proposals (RFP) No. 2009-FT-10, *Engineering and Detailed Design Services for the Refurbishment of the M.V. Snohomish and M.V. Chinook Ferries*:

1. Authorize execution of the First Amendment to the Professional Services Agreement (Agreement) with Marine Systems Corporation relative to RFP No. 2009-FT-10, in an amount not to exceed \$87,120, for additional needed work; and,
2. Approve an increase in the contingency fund in the amount of \$35,000, bringing the total budget including contingency to \$635,000;

with the understanding that requisite funds are available in the FY 09/10 Ferry Transit Division Capital Budget.

Summary

On April 24, 2009, the Board awarded RFP No. 2009-FT-10, *Engineering and Detailed Design Services for Refurbishment of the M.V. Snohomish and M.V. Chinook Ferries*, to Marine Systems Corporation (MSC) at the not-to-exceed price of \$546,000 with a \$54,000 contingency.

Over the course of the engineering effort the District has identified several design items that were either not included in the original scope, or that require additional design services. These items include:

1. Relocation of the sewage tank to clear generator interferences.
2. Modifications to sanitary and fresh water systems to support fresh water flushing of toilets.
3. Addition of main deck snack bar area and all associated plumbing, electrical and structure.
4. Expansion in scope of work to integrate new vessel monitoring and alarm system.
5. Expansion in scope of work to integrate engine manufacturer supplied fuel filtration system.
6. Expansion in scope of work in regards to ADA improvements to heads.
7. Expansion in scope of work for additional bike stowage.

MSC has submitted a proposal to perform this additional work. Its proposal does not increase the hourly rates used in the underlying Agreement, which rates are the same as MSC has charged the District on earlier projects. District staff has analyzed the anticipated required effort and has determined that the proposed additional cost of \$87,120 is fair and reasonable.

Because the amount of the First Amendment exceeds the original price in the Agreement, Board approval is required. The additional needed work is part of the \$19,410,000 included in the FY 09/10 Ferry Transit Division Capital Budgets for the refurbishment of the *M.V. Snohomish (Napa)* and *M.V. Chinook*. No budget adjustment is needed to fund this Amendment.

The *M.V. Snohomish (Napa)* and *M.V. Chinook* were recently acquired from Washington State Ferries (WSF) for 2 million dollars each. The vessels were built for WSF in 1999 and have operated approximately three years. The District acquired the vessels with the understanding that significant improvements and modifications would be necessary to prepare them for regular service. A summary of the major items to be accomplished as part of the refurbishment is as follows:

- As required by the California Air Resources Board (CARB), both vessels will be re-powered with Tier 2 engines. Consistent with District Board policy, the engines will be Tier 2-20 engines, which exceed CARB requirements.
- Other machinery to be replaced includes reduction gears; main shafting; bearings; engine controls and monitoring panels; electrical generator sets; and other miscellaneous pumps and controllers.
- The four water jets will be completely refurbished to like-new condition.
- Certain above-hull structures will be modified to accommodate additional inside seating capacity and new embarkation doors for passenger access at the upper deck.
- Each vessel will be outfitted with new accessible restrooms; snack bar; new seating and tables; bicycle racks; new deck covering (carpet and tile).

- The pilot house will be outfitted with new updated navigation equipment.
- The vessels will be completely repainted.

MSC will provide the District with the engineering and design drawings and the technical specifications necessary to create a bid package so the Refurbishment project can be advertised. We anticipate that this project will be of interest to several shipyards up and down the west coast.

Fiscal Impact

This project is included in the FY 09/10 Ferry Transit Division Capital Budget at a total cost of \$23,410,000 and is funded with \$8,566,469 ARRA (economic stimulus) funds, \$9,920,000 Federal Transit Administration funds, \$2,116,322 State I-Bond funds, and \$2,807,209 District funds (37% ARRA/42% FTA/9% State/12% District). This budget includes the purchase of the vessels which was completed earlier this year, procurement of the professional services that are the subject of this staff report, and all costs necessary to complete the refurbishment of both vessels.