Agenda Item 9-B
Action Item

To: Chair Cristol and the VRE Operations Board
From: Doug Allen
Date: April 12, 2019
Re: Authorization to Execute a Contract for Repair and Overhaul of Passenger Car HVAC Assemblies

Recommendation:

The VRE Operations Board is asked to authorize the Chief Executive Officer to execute a contract with TTA Systems, LLC of Hornell, NY for Repair and Overhaul of Passenger Car HVAC Assemblies in the amount of $2,505,600, plus a 10% contingency of $250,560, for a total amount not to exceed $2,756,160.

Summary:

Many of VRE’s passenger cars have HVAC assemblies containing Chlorodifluoromethane better known as R-22. This colorless gas has been deemed a Class II Ozone Depleting Substance by the Environmental Protection Agency (EPA). Authorization of this contract allows for repair and overhaul of the HVAC assemblies, renewing the components and modifying the assemblies to use R-407C refrigerant.

Background:

VRE has 71 passenger cars that use R-22 refrigerant, which is a hydrochlorofluorocarbon (HCFC) deemed to be a Class II Ozone Depleting Substance by the EPA. The EPA has implemented phase-down regulations which will eliminate new production and imports of most harmful HCFCs, including R-22 refrigerant, by 2020 because of the damage these chemicals do to the ozone layer.
Procurement of R-22 refrigerant to service and maintain the HVAC assemblies will become increasingly more difficult as these phase down regulations take effect.

Mixing refrigerants in the HVAC assemblies is not permitted, and as such, the recommended practice is to update the HVAC assemblies to accommodate use of R-407C, an environmentally friendly refrigerant. The overall approach is to pump down (remove) and recycle the R-22 refrigerant, then repair, modify and overhaul the HVAC assemblies.

On July 21, 2017, the VRE Operations Board approved a request to issue an Invitation for Bids (IFB) for Repair and Overhaul of Passenger Car HVAC Assemblies. A mailing list of five prospective Bidders was established for the solicitation to ensure access to adequate sources of service. On January 22, 2019, an IFB was issued and bids were due on March 25, 2019. Two responses were received.

The staff has certified the price is fair and reasonable.

The bid tabulation is as follows:

<table>
<thead>
<tr>
<th>Bidders</th>
<th>Bid Amount</th>
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<tbody>
<tr>
<td>TTA Systems, LLC</td>
<td>$2,505,600</td>
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<tr>
<td>Ram Industrial Services, LLC</td>
<td>$2,735,712</td>
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</tbody>
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After review of the bids, it was determined TTA Systems, LLC was the lowest responsive-responsible bidder.

**Fiscal Impact:**

This project is included in the CIP for Equipment Asset Management Program for FY 2019 funded through an annual allocation of FTA 5337 (State of Good Repair) grants with state and local matching funds.
Virginia Railway Express
Operations Board

Resolution
9B-04-2019

Authorization to Execute a Contract for Repair and Overhaul of Passenger Car HVAC Assemblies

WHEREAS, VRE has a need for the repair and overhaul of HVAC assemblies; and,

WHEREAS, the VRE Operations Board authorized the CEO to issue an Invitation for Bids for Repair and Overhaul of Passenger Car HVAC Assemblies; and,

WHEREAS, a competitive solicitation process was conducted; and,

WHEREAS it was determined TTA Systems, LLC was the lowest responsive-responsible bidder;

NOW, THEREFORE, BE IT RESOLVED THAT, the VRE Operations Board does hereby authorize the Chief Executive Officer to execute a contract with TTA Systems, LLC of Hornell, NY for the Repair and Overhaul of Passenger Car HVAC Assemblies in the amount of $2,505,600, plus a 10% contingency of $250,560, for a total amount not to exceed $2,756,160.

Approved this 12th day of April 2019

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Katie Cristol
Chair

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John Cook
Secretary