

Board Action/Information Summary

<input checked="" type="radio"/> Action <input type="radio"/> Information	MEAD Number: 100278	Resolution: <input type="radio"/> Yes <input checked="" type="radio"/> No
---	------------------------	--

TITLE:

1000 Series Railcars Structural Reinforcement

PURPOSE:

To request Board approval to initiate and award a sole-source contract to Sandia National Laboratories not to exceed \$285,000 for structural reinforcement of the 1000-Series railcars using a proprietary repair technology.

DESCRIPTION:

Stress areas near the side doors have been detected on 30 of the 298 railcars in the 1000-Series fleet.

The 1000-Series railcars are over 30 years old and are approaching the end of their projected useful life. Approximately 30 units have been identified as requiring structural reinforcement in order to operate until their full service life.

Sandia National Laboratory has developed a proprietary repair technology called a "bonded composite doubler", which is the only patch available for repairs on alloy aluminum surfaces. This patch can be installed on the railcars as needed by Metro personnel. The bonded composite patch is preferred over other repair methods because it does not involve drilling into the structure to install fasteners and the aluminum can still be inspected by ultrasonic means. It is cost-effective because the repair is permanent and will not require continuous re-inspection or periodic replacement.

Sandia Labs will provide training and materials for the first two installations for \$150,000 and the patch materials for the subsequent installations at a cost of \$135,000, for a total cost of \$285,000.

These repairs are expected to be completed by the end of FY10.

FUNDING IMPACT:

Program: Capital Improvement Program
Project: CE_RCAR Railcars - Urgent Capital Needs
Budget: \$17,900,000
This Action: \$285,000
Prior Approval: \$163,400
Remaining Budget: \$17,451,600
Remarks: Sufficient budget authority is available to fund the estimated expenses. As such, this action requires no additional budget authorization. - FY09 Budget Book, pages 85, 87
Operating Budget Impact: Positions: 0 - Annual Expense: \$0.00

RECOMMENDATION:

Approval to initiate and award of a sole-source contract to Sandia National Laboratories not-to-exceed \$285,000 for the structural reinforcement of the 1000 Series railcars.