

**Metro**Los Angeles County  
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metro.net**SYSTEMS SAFETY AND OPERATIONS COMMITTEE  
APRIL 18, 2013****SUBJECT: DIVISION 11 BODY SHOP VENTILATION AND DUST COLLECTION  
UPGRADE****ACTION: INCREASE LIFE-OF-PROJECT BUDGET****RECOMMENDATION**

Increase life-of-project (LOP) budget for Division 11 Body Shop Ventilation (CP 204123) by \$1,650,000, increasing the LOP budget from \$550,000 to \$2,200,000.

**ISSUE**

The Division 11 Body Shop Ventilation project was established in FY11. The scope of work and LOP budget covered preliminary design and construction of a new ventilation system in the Division 11 body shop. In September 2011, during the beginning phase of construction Occupational Health and Safety Administration (OSHA) regulations changed requiring the addition of a dust collection system to the project in order to be compliant.

**DISCUSSION**

The new ventilation system will allow clean air to be brought into the body shop, and an exhaust fan will pull air from the shop, which is then filtered and released. This air circulation creates challenges for the existing dust collection system. Currently, body shop employees are using portable sanding dust collectors, which will be ineffective in meeting the new OSHA standards with the increased air circulation. The new dust collection system operates by directly absorbing dust from the sanding equipment. The new proposed dust collection system is 85% to 90% effective, and the ventilation system will collect the remaining 10-15% of the particle. The LOP increase includes the purchase of new sanding equipment that meets the dust collection system requirements.

After learning about the new dust collection requirement, staff determined that a design-bid-build concept was the best approach to complete design and construction for both ventilation and dust collection systems. Subsequently, a certified firm was selected from Metro's Transportation/Civil Engineering Countywide Planning Services Bench (PS4010-2178). On December 5, 2012, a notice-to-proceed (NTP) was issued to STV, Inc. to complete the design for both ventilation and dust collection systems. The design

is expected to be completed by June 5, 2013. Once the design phase is completed, Metro will commence procurement to select a contractor.

### **DETERMINATION OF SAFETY IMPACT**

The proposed revisions to the scope of work will improve the safety and health of Metro's employees, and comply with OSHA's current regulations.

### **FINANCIAL IMPACT**

The increase to the LOP budget is \$1,650,000. If approved, funds will be added to cost center 3960 - Rail Transit Engineering under project number 204123 - Division 11 Body Shop Ventilation.

Since this is a multi-year project, the cost center manager, project manager, and Executive Officer, Wayside Systems will ensure that these costs will be budgeted in future years.

#### **Impact to Budget**

The source of funds for this capital project will be Prop A 35%, which is eligible for rail capital and operating activities. No other sources of funds were considered as these funds are eligible for rail systems safety and enhancement projects.

### **ALTERNATIVES CONSIDERED**

One alternative considered is to perform the work in-house utilizing facilities maintenance labor; however, this option is not recommended due to lack of manpower and resources available. An alternative is to not proceed with the work, however this option is also not recommended as it would violate OSHA requirements. If these improvements are not implemented, there is potential risk that OSHA will impose penalties and/or shop closure.

### **NEXT STEPS**

Upon Board approval, staff will complete the current design phase and initiate the procurement process for the construction phase.

### **ATTACHMENTS**

- A. Funding/Expenditure Plan

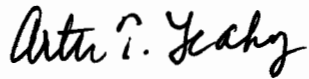
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Chief Executive Officer

**FUNDING/EXPENDITURE PLAN**  
**DIVISION 11 BODY SHOP VENTILATION AND DUST COLLECTION UPGRADE**

	FY11	FY12	FY13	FY14	FY15	FY16	Total	% of Total
<b>Uses of Funds</b>								
Project Administration/ Metro Labor	\$ 34,296.0	\$ 45,404.0	\$ 94,875.0	\$ 305,424.0	\$ 35,358.0		\$ 515,357.0	23%
Design			\$ 280,000.0	\$ 70,000.0			\$ 350,000.0	16%
Construction		\$ 19,816.0		\$ 1,000,000.0			\$ 1,019,816.0	47%
Advertising				\$ 3,000.0			\$ 3,000.0	
Contingency						\$ 311,827.0	\$ 311,827.0	14%
<b>Total Project Cost</b>	\$ 34,296.0	\$ 65,220.0	\$ 374,875.0	\$ 1,378,424.0	\$ 35,358.0	\$ 311,827.0	\$ 2,200,000.0	100%
<b>Sources of Funds</b>								
Prop A 35%	\$ 34,296.0	\$ 65,220.0	\$ 374,875.0	\$ 1,378,424.0	\$ 35,358.0	\$ 311,827.0	\$ 2,200,000.0	
<b>Total Project Funding</b>	\$ 34,296.0	\$ 65,220.0	\$ 374,875.0	\$ 1,378,424.0	\$ 35,358.0	\$ 311,827.0	\$ 2,200,000.0	100%