

**OPERATIONS COMMITTEE  
NOVEMBER 15, 2007**

**PROJECT: CAPITAL IMPROVEMENTS PROJECTS FOR METRO RAIL**

**ACTION: APPROVE USE OF DESIGN-BUILD CONTRACTING DELIVERY  
APPROACH**

**RECOMMENDATION**

A. The Board finds that awarding design-build contracts pursuant to Public Utilities Code Section 130242(b) will achieve for the Metro certain private sector efficiencies in the integration of the design, project work and components related to the real property renovation, repair and construction work at Metro facilities in Los Angeles County as defined by the projects listed on Attachment "A"; and

Requires Two-Thirds Vote

B. Authorize the Chief Executive Officer to solicit and award design-build contracts for renovation, repair and construction at Metro rail facilities, pursuant to Public Utilities Code Section 130242(a), (c), (d) & (e).

**ISSUE**

In the past, the majority of the Capital Improvements to Metro facilities, including bus and rail facilities, maintenance of way, and other capital projects for renovation, repair and construction have been delivered as traditional Design-Bid-Build projects. However, in the last few years Metro has experienced success with design-build construction contracts in the capital program. Staff is seeking authorization to continue the use of this delivery system for current and future capital projects.

**POLICY IMPLICATIONS**

The attached list describes Rail Facilities Improvements projects requiring approval of the design-build delivery system which will achieve private sector efficiencies in the integration of design, project work and components of the renovation, repair, and constructions of Metro facilities. These projects are selected because:

- A single point of responsibility for both design and construction will increase efficiency;
- Staff project development resources are limited, so more budgeted projects can be accomplished by adding design-build capability;
- Agency risk for design is shifted to Design-Builder, changes related to design are minimized;
- Agency will achieve schedule efficiency and significant time savings because design can proceed in parallel with some construction;
- Agency will save administrative costs due to combining the solicitation process with design and construction; save construction management and engineering resources during the construction phase; and minimize contract-generated changes to reduce contract closeout time; and
- Projects as listed on Attachment "A" requiring standard or minimal design effort are chosen for design-build, as they are more conducive to being implemented by design-build contractors with general engineering and contracting capacity.

## **OPTIONS**

This work could be accomplished utilizing consultants to prepare separate designs or with designs prepared by Staff for bid and construction. Staff does not recommend this approach because the scope and size of the listed projects lend themselves to the more streamlined design-build project delivery method.

## **FINANCIAL IMPACT**

There is no financial impact resulting from this action. Funds for selected projects are included in the FY '08 budget. In subsequent years, the Project Manager and General Manager, Rail is responsible for budgeting the cost in future years consistent with the board-adopted total life-of-project budget.

## **BACKGROUND**

Since 2002, Metro has successfully used the design-build contracting strategy to minimize agency risks, achieve schedule efficiency and significant time savings to reduce administrative and construction costs. The board has previously authorized the design-build contracting strategy for approximately 19 rail capital projects.

## NEXT STEPS

Design–build contract solicitation and award for the projects listed in Attachment A will be pursued in FY08.

## ATTACHMENTS

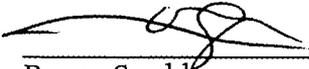
A Metro Rail Capital Projects Delivery under Design/Build Contracts

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Chief Executive Officer

## ATTACHMENT A

### Metro Rail Capital Projects under Design/Build Contracts

Project	Project Title	Project Description
CP 204047	Division 20 Carwash & Cleaning Platform	<ul style="list-style-type: none"><li>• Replacement of existing carwash equipment, including installation of air blowers and sound-insulated equipment enclosure</li><li>• Expansion of existing two car cleaning platforms to 6-car train length, construction of additional platform of the same length, including overhead canopies, toilet, office, storage and equipment space on a platforms</li></ul>
CP 204059	Division 22 Spray Paint Booth	<ul style="list-style-type: none"><li>• Install a paint booth that is adequate for spray-painting light rail vehicle (LRV) panels. The paint booth is to have electrical/air connections and ventilation systems that include ceiling and side/floor filtration</li></ul>

