



**Metro**

Metropolitan Transportation Authority

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**CONSTRUCTION COMMITTEE  
NOVEMBER 20, 2008**

**PROJECT: CP#204053 CAPITAL IMPROVEMENT PROJECT FOR METRO RAIL**

**ACTION: APPROVE USE OF DESIGN-BUILD CONTRACTING DELIVERY  
APPROACH FOR CP# 204053- DIVISION 21 IMPROVEMENTS PHASE II  
AND DIVISION 20 REPLACEMENT STORAGE BUILDING**

**RECOMMENDATION**

A. The Board finds that awarding design-build contracts pursuant to Public Utilities Code Section 130242(b) will achieve for us 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 our facilities in Los Angeles County as defined by the project 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 our rail facilities, pursuant to Public Utilities Code Section 130242(a), (c), (d) & (e).

**ISSUE**

In the last few years, we have experienced success with design-build construction contracts in the capital program. At its November 2007 meeting, the Board approved use of Design-Build Contracting Delivery Approach for several capital projects. Staff is now seeking authorization to continue the use of this delivery system for Division 21 Improvements Phase II (CP# 204053).

**POLICY IMPLICATIONS**

Division 21 Improvements Phase II (CP# 204053) was selected for the Design-Build Contracting Delivery approach 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 the design-builder, changes related to design

are minimized;

- We will achieve schedule efficiency and significant time savings because design can proceed in parallel with some construction;
- We 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
- The project on Attachment "A" requires standard or minimal design effort and was chosen for design-build, as it is 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**

The funding of \$239,102 has been included in the FY09 budget in cost center 3960 and CP# 204053 (Division 21 Improvements - Phase II). The approved Life-of-Project (LOP) for this project is \$5,000,000. This action will not affect the approved LOP. Since this is a multi-year project, the Project Manager and General Manager of Rail Operations are responsible for budgeting the future year costs.

### **BACKGROUND**

Since 2002, we have 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 21 rail capital projects.

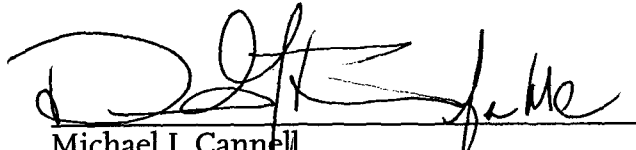
### **NEXT STEPS**

A Design-Build contract solicitation and award for replacement storage building at Division 20 will be pursued in FY09.

### **ATTACHMENTS**

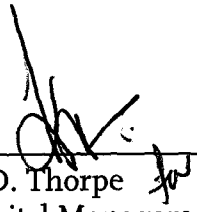
- A. Metro Rail Capital Projects Delivery under Design/Build Contract

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Aida Asuncion, Deputy Executive Officer, Rail Operations  
Dennis S. Mori, Executive Officer, Construction Project Management



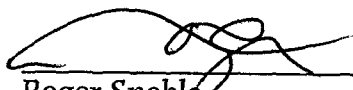
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Michael J. Cannell  
General Manager, Rail Operations



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Richard D. Thorpe  
Chief Capital Management Officer



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Roger Snoble  
Chief Executive Officer

## ATTACHMENT A

### Metro Rail Capital Project under Design/Build Contract

Project No.	Project Title	Project Description
CP# 204053	Division 21 Improvements - Phase II	<ol style="list-style-type: none"><li>1. Rebuild existing Division 21 storage building into body shop and install additional approach track with overhead wire.</li><li>2. Construct replacement storage building at Division 20.</li></ol>

