



Metro

Metropolitan Transportation Authority

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**CONSTRUCTION COMMITTEE
OCTOBER 20, 2005**

PROJECT: CAPITAL PROGRAM RAIL SECTOR SUPPORT

**ACTION: APPROVE USE OF DESIGN-BUILD CONTRACTING DELIVERY
APPROACH FOR RAIL AND MAINTENANCE-OF-WAY FACILITIES**

RECOMMENDATION

- A. The Board finds that awarding Design-Build contracts pursuant to Public Utilities Code Section 130242(a) 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
- B. Authorize the Chief Executive Officer to solicit and award Design-Build contracts for renovation, repair and construction at Metro facilities, pursuant to Public Utilities Code Section 130051.9(c).

BACKGROUND

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 opportunities to expand the use of this delivery system for current and future Capital Projects.

The attached list describes projects approved by the Board in the Fiscal Year 2006 budget for Capital Projects. These or similar projects were selected because:

- A single point of responsibility for both design and construction is preferred;
- 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.

FINANCIAL IMPACT

There is no financial impact resulting from this action. Funds for selected projects are included in the FY06 budget. In subsequent years, the, cost center managers, and the Chief Capital Management Officer will be accountable for budgeting the cost.

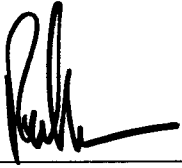
ALTERNATIVE CONSIDERED

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.

ATTACHMENT

- A. Proposed Rail Sectors Maintenance of Way Projects Delivery under Design/Build Contracts

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ATTACHMENT A
Rail Sectors Maintenance of Way Projects

CP #	Title	Project Description
204037	Division 22 Improvements- Cross Over Track and Wheel Truing Machine	<ul style="list-style-type: none"> • Design and install at maintenance yard a single crossover track into the west loop from Bumping Post #2. Includes change in train control system software, overhead catenary power (OCS), resurface track and realign existing track. • Design and construct wheel truing machine pit at maintenance shop to include purchase and install of light rail vehicle wheel truing machine.
204017	Division 21 Improvements- Car wash, Blow Down Safety, and Car Cleaning Modification and Upgrade	<ul style="list-style-type: none"> • Design and install upgrade to existing carwash to wash new P2550 stainless steel cars. Includes adding acid wash, reverse osmosis filtered rinse water system, blow dryer system and all necessary, electrical, plumbing and controls. • Install Safety protection Rail and Catwalk at Blow Down Building. • Install canopy, Ramp lighting, and Hose Bib at Car Cleaning Platform.
204004	CCF Reconfiguration- Break Room and Kitchen area addition at east end of second floor Control Room	<ul style="list-style-type: none"> • Design and construct Break Room and Kitchen area addition at east end of second floor Control Room.
204035	Replace existing MRL Segment 2 & 3 Stations Fire & Emergency Management (F&EM) System	<ul style="list-style-type: none"> • Design and Install Upgraded Fire and Emergency Management (F&EM) system to replace (components) that are coming to the end of their life cycle.
206005	P2000 Vehicle Signaling Package Upgrades	<ul style="list-style-type: none"> • Design and Install upgraded Signaling package to allow Gold line LRV's (Light Rail Vehicles) to operate on ATP (Automatic Train Protection/Automatic Train Operation) mode on the Green line.