



Metropolitan
Transportation
Authority

One Gateway Plaza
Los Angeles, CA
90012-2952

**SUBJECT: METRO RED LINE INTRUSION DETECTION
SYSTEM (IDS) ENHANCEMENTS**

ACTION: APPROVE DESIGN/BUILD SOLICITATION

RECOMMENDATION

The Board finds that awarding a design/build contract pursuant to Public Utilities Code section 130242 (a) will achieve private sector efficiencies in the integration of the design and construction of the Metro Red Line Intrusion Detection System (IDS) Enhancements.

This item requires 2/3 Board Approval

BACKGROUND

The purpose of this solicitation is to obtain the services of a design/build firm to provide design and construction services to modify the existing Metro Red Line Intrusion Detection System. The deficiencies with the IDS were identified prior to the September 11th incident; therefore staff developed a work plan to upgrade the IDS and included funds in FY02 budget.

The modifications are necessary so that the Rail Operations Center can effectively monitor access to station critical areas including roll-up grilles, traction power substations, auxiliary power rooms, sprinkler valve rooms, and electrical cable rooms. This action would advance usage of the existing IDS system in the prevention of unauthorized entry into such critical rooms and areas, and thus enhance overall station security.

The unique nature of the IDS system calls for specialist designers and equipment. If the design is not specific and clear, the potential for escalated construction costs exists due to possible change orders. This will result in increased project costs overall. To be cost effective, design/build solicitation is proposed to ensure services of a single firm responsible for all the design and construction for the project.

The solicitation will be conducted as a two-step Invitation for Bid (IFB). In the first step, the Bidder's technical proposals will be evaluated for responsiveness, responsibility, and technical compliance. In the second step, bids will be opened and

the award shall go to the lowest priced, technically acceptable bidder. Only those who meet the requirements for responsiveness, responsibility, and technical acceptability will be allowed to submit bids.

FINANCIAL IMPACT

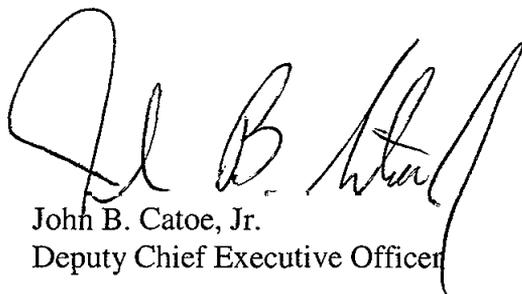
While funding for this procurement is included in the FY02 budget, no expenditures for this project are expected in FY02 from Cost Center 3345, under project number 200015, Line Item Number 50316, Professional and Technical Services. Since this is a multi-year contract, the cost center manager and Deputy Chief Executive Officer will be accountable for budgeting any remaining costs in FY03.

ALTERNATIVES CONSIDERED :

There are two alternatives to using a design/build procurement process. The first alternative is to use separate solicitations for design and construction. Staff does not recommend this approach. It would require two sequential solicitations meaning a longer period of time for project completion. Since this is a rail security issue, time is of the essence.

The second alternative to the proposed design/build solicitation would be to design the improvements using Agency Staff, followed by a bid solicitation for construction. Staff does not recommend this approach. Staff believes that there are advantages to the MTA to have a single contractor responsible for all design and construction. The advantages are primarily in timely specialist designer access and in the avoidance of change orders due to perceived ambiguities in the design specifications. The proposed methodology also has the potential for reductions in project management, staff, administration and coordination costs, as well as the possibility for cost reductions and improvement to the overall project schedule.

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