

- **Board of Directors**
Engineering and Operations Committee

December 14, 2004 Board Meeting

9-1

Subject

Authorize an agreement for \$3.6 million with MARRS Services, Inc. for construction inspection and support services for improvements projects on the Colorado River Aqueduct

Description

Four major Capital Investment Plan programs have been established to ensure reliability of the Colorado River Aqueduct (CRA) system. These programs include the Conveyance Reliability Program, Electrical/Power Systems Reliability Program, Pumping Plant Reliability Program, and Discharge Containment Program. Two major construction contracts have recently commenced: the Switchyards and Head Gates Rehabilitation Project and the CRA Repairs and Instrumentation Project. Additionally, two projects of lesser magnitude are also underway at various desert facilities: the Desert Fire Protection Upgrades project and the All Facilities - Security Systems Improvements. These four projects require construction contractors to work simultaneously at numerous locations at each of Metropolitan's pumping plants and along the entire CRA. Additionally, periods of intense construction activity will occur during two major shutdowns of the CRA scheduled for January and March 2005. For these CRA projects, the need for construction inspection staff will exceed available in-house resources.

In order to support the upcoming construction contracts associated with rehabilitation of the CRA system, installation of fire protection upgrades and security systems, staff recommends that a consulting firm be utilized for construction inspection and support. This approach is consistent with the Corporate Resources Group's staffing plan incorporated within Metropolitan's fiscal year 2004/05 budget.

In December 2003, Request for Qualifications (RFQ) 550 was advertised for construction management and inspection support services for capital programs. The scope of the RFQ included construction management, inspection, field survey, fabrication inspection, and materials testing services. In response to RFQ 550, 19 statements of qualifications (SOQs) were received. Based upon a competitive evaluation process, an agreement is recommended with MARRS Services, Inc. in an amount not to exceed \$3.6 million for inspection services for the CRA improvement projects, the Desert Fire Protection Upgrades project, and the All Facilities - Security Systems Improvements project. Metropolitan established an SBE participation goal of 20 percent for this professional services agreement. MARRS is an SBE firm, and therefore meets this goal. Funding for work to be assigned to MARRS has previously been appropriated under board actions in May 2000, June 2003, and in March and August 2004. The cost of inspection services to be provided by MARRS is consistent with the amount indicated within the board action for each project.

This action authorizes entering into an agreement with MARRS in amount not to exceed \$3.6 million to provide construction inspection and support on CRA-related construction projects. The consultant will provide part-time and full-time construction inspection and support services as required for each project.

A detailed report is included as [Attachment 1](#).

Policy

Metropolitan Water District Administrative Code § 8117: Professional and Technical Consultants

California Environmental Quality Act (CEQA)

The CEQA determination for Option #1:

The proposed action is not defined as a project under CEQA because it involves continuing administrative activities, such as general policy and procedure making (Section 15378(b)(2) of the State CEQA Guidelines). In addition, where it can be seen with certainty that there is no possibility that the proposed action in question may have a significant effect on the environment, the proposed action is not subject to CEQA (Section 15061(b)(3) of the State CEQA Guidelines).

The CEQA determination is: Determine that the proposed action is not subject to CEQA pursuant to Sections 15378(b)(2) and 15061(b)(3) of the State CEQA Guidelines.

The CEQA determination for Option #2:

None required

Board Options/Fiscal Impacts

Option #1

Adopt the CEQA determination and authorize entering into an agreement with MARRS Services, Inc. in an amount not to exceed \$3.6 million for construction inspection and support services for CRA-related projects.

Fiscal Impact: None. Funds for this work have previously been appropriated under Appropriations Nos. 15384, 15373, 15317, and 15295.

Option #2

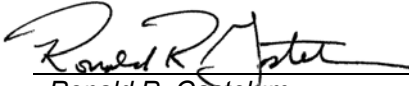
Do not authorize the agreement, and instead utilize Metropolitan staff to perform construction inspection for the CRA-related projects.

Fiscal Impact: None. If staff are reassigned to inspect CRA-related projects, consultants will still be required to backfill for the other impacted projects.

Staff Recommendation

Option #1

	11/17/2004
Roy L. Wolfe Manager, Corporate Resources	Date

	11/19/2004
Ronald R. Gastelum Chief Executive Officer	Date

Attachment 1 – Detailed Report

BLA #3186

Detailed Report

Purpose/Description

Four major Capital Investment Plan programs have been established to ensure reliability of the Colorado River Aqueduct (CRA) system. These programs include the Conveyance Reliability Program, Electrical/Power Systems Reliability Program, Pumping Plant Reliability Program, and Discharge Containment Program. Two major construction contracts have recently commenced: the Switchyards and Head Gates Rehabilitation Project and the CRA Repairs and Instrumentation Project. Additionally, two projects of lesser magnitude are also underway at various desert facilities: the Desert Fire Protection Upgrades project and the All Facilities – Security Systems Improvements. These four projects require construction contractors to work simultaneously at numerous locations at each of Metropolitan’s pumping plants and along the entire CRA. Additionally, periods of intense construction activity will occur during two major shutdowns of the CRA scheduled for January and March 2005. For these CRA projects, the need for construction inspection staff will exceed available in-house resources.

Switchyards and Head Gates Rehabilitation (Approp. 15384)

This contract includes the following work: Replacement of circuit breakers at each of the five pumping plants along the CRA; replacement of the Peddler 34.5 kV substation including modifications to appurtenant facilities; installation and replacement of 6.9 kV switch-house current transformers; rehabilitation of the head gates, including refurbishing the drive components; installation of new motor drive control systems and associated power and control cables; installation of new power distribution systems and control panels for each head gate; and replacement of ladders in pumping plant head gate structures. The amount of this contract is \$8,965,000.

CRA Repairs and Instrumentation (Approp. 15373)

This contract includes the following work: Replacement of existing concrete canal liner with new liner at designated locations; rehabilitation of three sand traps at Hinds, Eagle Mountain, and Iron Mountain pumping plants; installation of internal seals at designated siphons; rehabilitation of existing siphons; installation of tunnel monitoring instrumentation for the Iron Mountain tunnel; dewatering of siphons to permit inspection by Metropolitan personnel; and furnishing sealer gates and blocker gates to permit isolation of siphons during low flow operation of the CRA. The amount of this contract is \$10,848,201.

Desert Fire Protection Upgrades (Approp. 15317)

This contract includes construction and testing of fire protection upgrades to meet code requirements at Intake, Eagle Mountain, Iron Mountain, and the Hinds facilities. The amount of this contract is \$3,695,000.

All Facilities - Security Systems Improvements Project (Approp. 15295)

This contract includes installation of security improvements including alarm, video, and access control systems at numerous Metropolitan facilities. The portion of this contract related to CRA facilities is approximately \$1,080,000.

Construction Inspection and Support Services

In December 2003, Request for Qualifications (RFQ) 550 was advertised for construction management and inspection support services for capital programs. The scope of the RFQ included construction management, inspection, field survey, fabrication inspection, and materials testing services. In response to RFQ 550, 19 statements of qualifications (SOQs) were received. Based upon a competitive evaluation process, nine firms were deemed best qualified to provide these services to Metropolitan.

Staff has identified the need to augment existing personnel with a consultant in order to execute the subject CRA projects in accordance with their board-adopted schedules. Use of consultants is required to minimize impacts to other essential projects being managed by Metropolitan staff and is consistent with the Corporate Resources Group’s staffing plan incorporated within the fiscal year 2004/05 budget. Staffing needs for the CRA projects

will fluctuate during the course of the contracts. During the two CRA shutdowns, approximately 30 inspectors and technicians will be required to monitor, coordinate, and inspect the contractors' work. The shutdowns will run for three weeks each, and work will run around the clock.

A competitive evaluation process was conducted for inspection and support services for the Switchyards and Head Gates Rehabilitation project, the CRA Repairs and Instrumentation project, the Desert Fire Protection Upgrades project, and the All Facilities - Security Systems Improvements. Based on staff's evaluation, an agreement is recommended with MARRS Services, Inc. in an amount not to exceed \$3.6 million for inspection services. Metropolitan established a Small Business Enterprise participation goal of 20 percent for this professional services agreement. MARRS is an SBE firm, and therefore meets this goal.

No additional funds are required under this action. Funding for work to be assigned to MARRS has previously been appropriated under board actions in May 2000, June 2003, and in March and August 2004.