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25
APRIL 1, 1997

TO: BOARD OF DIRECTORS

FROM: LINDA BOHLINGER
Linda Bohlinger
INTERIM CHIEF EXECUTIVE OFFICER

**SUBJECT: APPROVE ADDITIONAL YEAR OF FUNDING
FOR GEOTECHNICAL AND TUNNELING
CONSULTING SERVICES**

RECOMMENDATION

Approve funding for the following consultants for geotechnical and tunneling consulting services for the period of May 1, 1997 through April 30, 1998:

- a) Dr. Z.D. Eisenstein for a not-to-exceed amount of \$180,000;
- b) Dr. G.R. Martin for a not-to-exceed amount of \$50,000; and
- c) Shannon & Wilson, Inc. (Dr. H.W. Parker) for a not-to-exceed amount of \$100,000.

ORGANIZATIONAL IMPACT

The Tunnel Advisory Panel's expertise in the areas of tunnel design and construction will contribute to the cost efficiency and effectiveness of the Metro Rail Projects.

BUDGET IMPACT

The funds for this action are available within the Board approved 1997-1998 Fiscal Year budget.

ALTERNATIVES CONSIDERED

The Board has the alternative to issue a new Request For Proposal (RFP) for geotechnical and tunneling consulting services. Drs. Eisenstein, Martin and Parker were selected in August, 1995 after an extensive search due to their technical expertise. They have since acquired specific knowledge of the Metro Rail construction process and could continue working without the interruption an issuance of a new RFP would cause.

Another alternative is to not retain geotechnical and tunneling consultants. This alternative is not recommended since these consultants' recommendations have provided a valuable contribution to the Metro Rail design and construction process.

BACKGROUND

The Tunnel Advisory Panel convened in August, 1995 in response to questions posed by Mayor Riordan and the MTA Board regarding the feasibility of tunneling in Los Angeles ground conditions. The MTA contracted with Drs. Dan Eisenstein, Geoffrey Martin and Harvey Parker to determine the feasibility of tunneling in Los Angeles, to assess the effectiveness of the MTA's construction program to date, and to recommend any modifications to the current construction program deemed appropriate.

The Panel issued their report directly to the Board in November, 1995. Their recommendations included establishing a permanent technical advisory review panel which would formulate and regularly oversee the implementation of the technical principles and policies of the construction project. Since that time, the panel has been asked to review and recommend courses of action for Metro Rail projects along Lankershim Boulevard, tunneling through the Santa Monica Mountains, and for the Eastside Extension.

At its April, 1996 meeting the MTA Board awarded a 2-year Time and Expense contract with two one-year options to Drs. Eisenstein, Martin and Parker. The Board also approved funding for the first year which commenced May 1, 1996. Staff is now seeking approval to fund the second year of the contract which begins on May 1, 1997. The Scope of Work is delineated in Attachment 1.

SMALL BUSINESS PARTICIPATION

There was no small-business participation involved in this contract as it was a non-competitive procurement.

ATTACHMENTS

Attachment 1: Scope of Work
Attachment 2: Budget

Prepared by: Melissa Schiavo, Contract Administrator



Frank C. Cardenas
Chief of Staff

ATTACHMENT 1

SCOPE OF WORK

1. To advise the CEO and MTA staff in matters related to:
 - quality control in planning, design and construction of underground space
 - planning of future underground lines of the Metro System
 - geotechnical investigation for underground space
 - detailed engineering design of underground space
 - specification for construction of underground space
 - construction performance criteria (ground movements, ground water control, etc.)
 - construction monitoring and data evaluation

2. To support the CEO and MTA staff in providing information to the MTA Board, the public and media in matters related to:
 - future usage of underground space for transportation purposes
 - construction impact on the environment and communities
 - construction methods and techniques used on MTA projects
 - current state of construction progress on ongoing projects
 - results of monitoring and quality control on ongoing projects

3. To assist the CEO and MTA staff in technical aspects related to eventual legal actions and disputes with:
 - individual citizens
 - citizens action groups
 - consultants
 - contractors

4. To report to the CEO and MTA staff in technical aspects related to eventual legal actions and disputes with:
 - overall status of technical progress
 - issues requiring immediate action

ATTACHMENT 2

BUDGET

	<u>DAYS</u>	<u>FEE</u>	<u>TRIPS</u>	<u>EXPENSE</u>	<u>TOTAL</u>
Z.D. EISENSTEIN	96	\$96,000	24	\$84,000	\$180,000
G.R. MARTIN	48	\$48,000	0	\$ 2,000	\$ 50,000
SHANNON & WILSON	80	\$80,000	As required	\$20,000	\$100,000