



March 7, 1997
(For Board: March 14, 1997)

BUILDING AND OPERATING COMMITTEE REPORT

Honorable Board of Directors
Golden Gate Bridge, Highway
and Transportation District

Honorable Members:

A meeting of the Building and Operating Committee was held in the Board Room, Administration Building, Toll Plaza, San Francisco, California, on Friday, March 7, 1997, at 10:00 a.m., to be followed by the Special Meeting of the Governmental Affairs and Public Information Committee, Chair McDonnell presiding.

Committee Members Present (8): Chair McDonnell; Vice Chair Eddie; Directors Ammiano, Boro, Brown, Leal, Middlebrook and President Fraser (ex officio).

Committee Member Absent (1): Director Kaufman.

Other Directors Present (6): Directors Harberson, Leonoudakis, Moylan, Read, Ross and Stroeh.

Staff Present: General Manager, Carney J. Campion; Auditor-Controller, John J. Quigley; Attorney, David J. Miller; District Engineer, Mervin C. Giacomini; Bridge Division Manager, Robert A. Warren; Ferry Transit Manager, Eric A. Robinson; Secretary of the District, Gene P. Rexrode; Deputy District Engineer, Ewa Z. Bauer; Public Information Director, Mary Currie; Environmental, Health and Safety Manager, Kary H. Witt; Diversity Programs Director, Candice A. Gonzalez; and, Director of Security, Terry A. Berardino.

Visitors Present: J. Russell Haycock, Vice President, Z-Clip International Fence Systems, Danville; Donald MacDonald, Architect, San Francisco; Bill Hughes, HNTB Corporation, Oakland; Rick Disney, Vice President, Anderson Pacific Engineering Construction, Inc., Santa Clara; Robert Grimes, San Francisco; Joyce Pavlovsky, San Rafael; Robert M. Guernsey, Robert M. Guernsey & Associates, San Anselmo; and, Eric J. Schmidt, Tiburon.

1. Golden Gate Bridge, Authorize Actions Relative to New Suicide Deterrent Concept

The Committee received the report of District Engineer, Mervin C. Giacomini, dated February 28, 1997, along with two brochures entitled "Golden Gate Bridge, Suicide Barrier Proposal," and Z-Clip Fencing Systems, as presented by Z-Clip International Fence Systems of Danville, California. A copy of these documents are available from the Office of the District Secretary.

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The Engineer presented a summary of the Staff report, introducing the new suicide deterrent concept of Z-Clip International Fence Systems who has developed a high-capacity steel mesh fence system currently utilized for agriculture and security fencing. According to the firm, the Z-Clip fencing system is designed to be difficult or impossible to climb, by tensioning the lower and middle wires to maximum tension and the upper and top wires to less tension, therefore, the weight of a person attempting to climb the barrier causes the top wires to flex backwards, and are unable to obtain support to climb over the fence.

J. Russell Haycock, Vice President of Z-Clip, and, Architect, Donald MacDonald, submitted additional information to the Committee relative to the concept. A lengthy discussion ensued, with consideration of the following: wind resistance, color and erosive resistance of the materials, wind tunnel testing, effectiveness as a barrier, sensors on the fencing to alert possible scaling of the system, impact on the status of the Golden Gate Bridge as a national landmark, visual distraction from the Bridge roadway, and, accessibility to Bridge maintenance crews.

Public Comment:

Roger Grimes, San Francisco, expressed his support for approval of the consideration of this suicide deterrent, as an historic Bay area first step toward the goal of suicide prevention.

Joyce Pavlovsky, San Rafael, stated her appreciation to the Committee in taking this initial step toward a suicide deterrent.

Eric J. Schmidt, Tiburon, suggested the use of the generally accepted term of "suicide deterrent".

Robert Guernsey, San Anselmo, suggested a prototype testing of the barrier.

RECOMMENDATION

The Committee recommends the Board of Directors authorize the District Engineer to request a proposal from Z-Clip International Fence Systems, Danville, to develop the concept for a suicide deterrent on the Golden Gate Bridge, and to perform the preliminary engineering to conduct prototype testing of a section of the fencing system and posts at a land side test area to confirm the proposal assumptions.

AYES (8); NOES (0); ABSENT (1)

Action by the Board - Resolution.

2. **Golden Gate Bridge, Seismic and Wind Retrofit Project, Approve Addendum to Negative Declaration, and Approve Amended Scope of Work of Phase I Lead Cleanup.**

District Engineer, Mervin C. Giacomini, presented a report, dated March 4, 1997, and the proposed Addendum to Negative Declaration. Copies of these documents are available from the Office of the District Secretary.

The Board of Directors adopted a Negative Declaration on March 8, 1996, by Resolution No. 96-48, for the Golden Gate Bridge, Seismic and Wind Retrofit Project. Along with the seismic strengthening of the Golden Gate Bridge and improvement of the wind stability of the Bridge, the cleanup of lead contaminated soil in the vicinity of the north and south approaches is included in the project. The Phase I Remedial Action Plan (RAP) for the lead cleanup was approved by the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC), on March 12, 1996.

Staff has determined that market forces have significantly reduced the costs of land disposal and transportation of contaminated soils. DTSC has approved a modification to the RAP to allow disposing of the contaminated soil off-site at licensed landfill facilities. An Addendum to the contract bid documents would provide the option of disposing of the contaminated soil off-site. The Addendum to the Negative Declaration determines that the modification to the project of the proposed alternate soil disposal off-site does not cause any significant environmental effects; therefore, the preparation of neither a revised negative declaration nor an environmental impact statement is required.

RECOMMENDATION

The Committee recommends that the Board of Directors authorize the following actions relative to the Golden Gate Bridge, Seismic and Wind Retrofit Project, including Phase I Lead Cleanup:

- a) Approve an Addendum to the Negative Declaration, finding that the disposal of lead contaminated soil off-site does not trigger any significant environmental threats and that a revised Negative Declaration is not required; and,
- b) Based on the foregoing environmental review, approve a modified scope of work for the Project to include the option of disposing of contaminated soils off-site at an appropriately licensed landfill facility.

Action by the Board - Resolution

AYES (8); NOES (0); ABSENT (1)

3. **Golden Gate Bridge, North Approach Viaduct Seismic Retrofit Project, Construction Management and Inspection Services, Award Professional Services Agreement and Approve Professional Service Budget.**

District Engineer, Mervin C. Giacomini, submitted a report dated March 6, 1997. A copy of the report is available from the Office of the District Secretary.

The Board of Directors, by Resolution No. 93-102, approved outside professional services for construction management and support in the administration of the Golden Gate Bridge, Seismic and Wind Retrofit construction contracts. The scope of work includes: a) seismic retrofit of the North Approach Viaduct structure; b) lead cleanup from the construction access areas near the south and north bridge approaches; and, c) National Park Service's Presidio Building 989 Rehabilitation (an environmental mitigation measure). The construction time is estimated to be 26 months.

The Board, by Resolution No. 96-78, authorized seeking proposals for construction management and inspection services. Subsequently, an eighteen (18) percent Disadvantaged Business Enterprise (DBE) participation goal was established for the Construction Management and Inspection Services contract. The scope of work, as outlined in the report, and the cost has been negotiated in the amount of \$2,388,819 with the top rated consultant, HNTB Corporation, which includes the following:

- a) \$2,110,470 for the construction management and inspection of the North Approach Viaduct Seismic Retrofit portion of the project;
- b) \$217,307 for the construction management and inspection of the Lead Cleanup portion of the project; and,
- c) \$61,042 for the construction management and inspection of the Building 989 Rehabilitation portion of the project.

Construction management services commence with the District evaluation of bids and in organization for construction administration. Adequate funding is available in the Fiscal Year 1996-97 Seismic Retrofit budget for this work, and will be budgeted for the following fiscal year budgets.

RECOMMENDATION

The Committee recommends that the Board of Directors authorize the following actions relative to the Golden Gate Bridge, North Approach Viaduct Seismic Retrofit, Construction Management and Inspection Services:

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- a) Award a Professional Services Agreement in an amount not to exceed \$2,388,819 to HNTB Corporation, Oakland, subject to the approval of the Federal Highway Administration, and authorize execution of a Professional Services Agreement between the District and HNTB Corporation, subject to approval by the Attorney for the District;
- b) Approve a budget in the amount of \$2,388,819; and,
- c) Allocate funds for these professional services from the Fiscal Year 1996-97 and future Bridge Division Capital Budgets, in the following amounts: \$2,110,470 from the Golden Gate Bridge, Seismic Retrofit Construction Engineering Budget; \$217,307 from the Golden Gate Bridge, Lead Cleanup Project Budget; and, \$61,042 from the Golden Gate Bridge, Seismic Retrofit Environmental Mitigation Budget.

Action by the Board - Resolution

AYES (8); NOES (0); ABSENT (1)

4. Golden Gate Bridge, North Approach Viaduct Seismic Retrofit Project, Materials Testing Services, Approve Selection of Consultant and Authorize Requesting Scope of Work and Cost Proposal.

District Engineer, Mervin C. Giacomini, submitted a report dated February 28, 1997. A copy of the report is available from the Office of the District Secretary.

The Board of Directors, by Resolution No. 96-78, authorized requesting proposals for construction management, surveying, engineering support and inspection, and materials testing, along with environmental monitoring services. In order to qualify for future federal funds, the District is adhering to all applicable federal and state regulatory contract requirements. Included is establishment of a contract-specific Disadvantaged Business Enterprise (DBE) participation goal for the North Approach Viaduct Seismic Retrofit construction, construction administration contracts, and consultant selection and contracting requirements in relation to the construction administration services. An 8% DBE participation goal has been established for the Materials Testing Services contract.

Six firms responded to the Request for Statement of Qualifications for the Materials Testing services. The four highest rated firms were selected to receive a Request for Proposal, with three firms responding. The Consultant Selection Committee has determined Signet Testing Laboratories to be the most qualified to perform the testing services. Upon approval, District staff will negotiate the costs involved and submit the results to the April Meeting of the Building and Operating Committee.

RECOMMENDATION

The Committee recommends that the Board of Directors approve the selection of Signet Testing Laboratories, Hayward, as the top rated consultant, for the Golden Gate Bridge, North Approach Viaduct Seismic Retrofit Project, Materials Testing Services, and authorize staff to negotiate the scope of work and costs for these services.

Action by the Board - Resolution

AYES (8); NOES (0); ABSENT (1)

5. San Rafael Bus Facility, Storage Building, Contract 95-BT-11, Accept Final Cost Report and Authorize Budget Reduction.

District Engineer, Mervin C. Giacomini, submitted a report dated February 28, 1997. A copy of the report is available from the Office of the District Secretary.

The Board of Directors, by Resolution No. 96-245, authorized accepting Contract 95-BT-11, San Rafael Bus Facility, Storage Building, and authorized a final payment of all funds due the Contractor, Page Construction, Novato, in accordance with District policy and procedure.

The original budget authorization was \$233,654, and the final project cost was \$221,418.03, with funds remaining in the amount of \$12,235.97. The project was 100% District funded with a Disadvantaged Business Enterprise (DBE) participation goal of 13%. The contractor achieved a 14.3% DBE participation..

RECOMMENDATION

The Committee recommends that the Board of Directors accept the final cost report for Contract 95-BT-11, San Rafael Bus Facility, Storage Building, and authorize a reduction in the Fiscal Year 1996-97 Bus Capital Budget in the amount of \$12,235.97, and transfer said amount to the Unrestricted Reserves, subject to the concurrence of the Finance-Auditing Committee.

Action by the Board - Resolution

AYES (8); NOES (0); ABSENT (1)

The above matter was referred to the Finance-Auditing Committee for concurrence.

6. **Bus Stop Bicycle Racks, Contract 95-BT-9, Authorization to Accept Contract**

District Engineer, Mervin C. Giacomini, submitted a report dated February 28, 1997. A copy of the report is available from the Office of the District Secretary.

The Contractor, M.A. Davies Builders, Fairfax, California, is nearing completion of all work in accordance with the contract requirements, at an estimated cost of \$38,632.71, with estimated funds remaining of \$1,256.86. Final costs and Disadvantaged Business Enterprise participation will be reported upon final determination. The contract was 80% FHWA and 20% District funded.

RECOMMENDATION

The Committee recommends that the Board of Directors authorize the Engineer to accept Contract 95-BT-9, Bus Stop Bicycle Racks, County of Marin, and authorize final payment of all funds due the contractor, M.A. Davies Builders, Fairfax, California, in accordance with District policy and procedure.

Action by the Board - Resolution
CONSENT CALENDAR

AYES (8); NOES (0); ABSENT (1)

7. **Santa Rosa Bus Facility, Maintenance Building Roof Replacement, Contract 97-BT-6, Accept Final Cost Report and Authorize Budget Reduction**

District Engineer, Mervin C. Giacomini, submitted a report dated February 28, 1997. A copy of the report is available from the Office of the District Secretary.

The Board of Directors, by Resolution No. 97-02, authorized acceptance of Contract 97-BT-6, Santa Rosa Bus Facility, Maintenance Building Roof Replacement, and authorized final payment to the Contractor, Henris Roofing, Inc., Petaluma, in accordance with District policy and procedure.

Project funding consisted of 100% District funds. No specific Disadvantaged Business Enterprise participation goal was established and the Contractor reported that none was achieved. Total project budget was \$20,089, the project cost was \$18,263, with funds remaining of \$1,826.

RECOMMENDATION

The Committee recommends that the Board of Directors accept the final cost report for Contract 97-BT-6, Santa Rosa Bus Facility, Maintenance Building Roof Replacement, and authorize a reduction in the Fiscal Year 1996-97 Bus Capital Expenditure Budget in the amount of \$1,826, and transfer said amount to the Unrestricted Reserves, subject to the concurrence of the Finance-Auditing Committee.

Action by the Board - Resolution

AYES (8); NOES (0); ABSENT (1)

The above matter was referred to the Finance-Auditing Committee for concurrence.

8. Dry-Docking for Routine U.S. Coast Guard Inspection, Hull Maintenance and Repairs, M.S. San Francisco and M.S. Marin, Contract 97-FT-5, Authorize Award of Contract.

General Manager, Carney J. Campion, submitted a report dated February 21, 1997. A copy of the report is available from the Office of the District Secretary.

Bids were opened for Contract 97-FT-5 on February 4, 1997. Two bids were received with Bay Ship and Yacht Company, San Francisco, submitting the low bid in the amount of \$318,513 for all Category "A" and "B" items for both vessels. Staff and the Attorney for the District have reviewed the bids and found the low bid to be responsive. The bidder has met the established 10% Disadvantaged Business Enterprise (DBE) goal.

Staff recommends that Category "A" items and specific Category "B" items be included in the contract in the amount of \$293,817. Remaining Category "B" items included in the contract proposal will be determined upon vessel inspection in dry dock by the District's Marine Engineer and the U.S. Coast Guard. A 10% contingency fund in the amount of \$31,487 will be allocated for a total contract cost of \$350,000. Project funds are available in the Fiscal Year 1996-97 Ferry Transit Division Operating Budget.

RECOMMENDATION

The Committee recommends that the Board of Directors approve the following actions pertaining to Contract 97-FT-5, Dry-Docking for Routine U.S. Coast Guard Inspection, Hull Maintenance and Repairs, M.S. San Francisco and M.S. Marin:

- a) Award the Contract to Bay Ship and Yacht Company, Alameda, California, for all Category "A" Items and Category "B" Items No. 203,208, 209, 210, 211 and 212 in the amount of \$84,694, for a total amount of \$293,817;

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- b) Authorize the General Manager to complete any or all of the remaining Category "B" Items (in the amount of \$24,696) upon vessel inspection in dry dock by the District's Marine Engineer and U.S. Coast Guard; and,
- c) Approve a 10% contingency fund in the amount of \$31,487, for a total project budget of \$350,000; with the understanding that such funds are available in the Fiscal Year 1996-97 Ferry Division Operating Budget.

Action by the Board - Resolution

AYES (8); NOES (0); ABSENT (1)

9. **Larkspur Ferry Channel, Maintenance Dredging, Authorize Payment of Fee to Regional Monitoring Program.**

District Engineer, Mervin C. Giacomini, submitted a report dated February 28, 1997. A copy of the report is available from the Office of the District Secretary.

The San Francisco Bay Regional Water Quality Control Board established the Regional Monitoring Program (RMP) of water quality and sediment conditions in San Francisco Bay. Funding for the RMP is to be provided by entities discharging materials to the Bay, including major dredgers. The fee is based on cubic yards dredged during the period of January 1, 1991 to December 31, 1995. The District has been included in the group of ten major dredgers in the Bay over the five-year period indicated, and has received an invoice in the amount of \$18,265 for fees assessed for RMP funding. Funds for this expenditure are available in the Fiscal Year 1996-97 Ferry Division Maintenance Dredging Budget.

RECOMMENDATION

The Committee recommends that the Board of Directors authorize payment to the San Francisco Bay Regional Water Quality Control Board in the amount of \$18,265 for fees assessed under the Regional Monitoring Program, with the understanding that such funds are available in the Fiscal Year 1996-97 Ferry Division Maintenance Dredging Budget.

Action by the Board - Resolution
CONSENT CALENDAR

AYES (8); NOES (0); ABSENT (1)

10. **Golden Gate Bridge, Moveable Median Barrier, Status Report.**

District Engineer, Mervin C. Giacomini, submitted a status report dated March 3, 1997. A copy of the report is available from the Office of the District Secretary.

Staff advised that certification testing will be conducted in Lincoln, California on March 26, 27 and 28, 1997.

Continued in Committee

11. **Monthly Review of Underground Tank Management Project**

District Engineer, Mervin C. Giacomini, submitted a report dated February 28, 1997, summarizing the current status of the underground tank management program. This report was provided as information; a copy is available in the Office of the District Secretary.

Informational Item

12. **Monthly Review of Contract Change Orders**

District Engineer, Mervin C. Giacomini, submitted a report dated February 28, 1997, summarizing the status of contract change orders for the current ongoing construction, and listing contract change orders authorized by the Board of Directors this past month, those approved by the Building and Operating Committee at its last meeting, and those approved by the General Manager involving expenditures under \$25,000. A copy of this report is available from the Office of the District Secretary.

Informational Item

13. **Golden Gate Bridge, Bicycle Safety Railing, Set Disadvantaged Business Enterprise (DBE) Goal for Professional Design Services**

District Engineer, Mervin C. Giacomini, submitted a report dated March 4, 1997. A copy of the report is available from the Office of the District Secretary.

The Small Business Review Committee met March 4, 1997 and established a 10% Disadvantaged Business Enterprise (DBE) participation goal for the professional engineering services for the proposed bicycle railing.

RECOMMENDATION

The Committee recommends that the Board of Directors establish a ten (10) percent Disadvantaged Business Enterprise (DBE) participation goal for the professional engineering and design services for the proposed Golden Gate Bridge, Bicycle Safety Railing, for installation between the roadway and the east and west sidewalks.

Action by the Board - Resolution

AYES (8); NOES (0); ABSENT (1)

14. Modifications and Refurbishment of Vessel Docking System at the San Francisco and Larkspur Ferry Terminals, Contract 97-FT-4, Authorize Rejection of Bids, Establishment of DBE Goal, and Readvertising for Construction Bids

General Manager, Carney J. Campion, submitted a report dated March 5, 1997;. A copy of the report is available from the Office of the District Secretary.

Bids were opened on Tuesday, January 7, 1997 for Contract 97-FT-4. Four bids were received and ranged from the low bid of Power Engineering Contractors, Inc., Palo Alto, in the amount of \$907,500 to a high bid of \$1,344,528.

On February 5, 1997, a protest was filed by the second low bidder, Anderson Pacific Engineering, Inc., which alleged improprieties in Power Engineering's proposed DBE utilization. Upon Staff evaluation it was determined that Power Engineering did not attain the 18% DBE goal for the project.

The second low bid of Anderson Pacific, in the amount of \$1,084,000, greatly exceeded staff's cost estimate and the budget amount for the contract and Anderson Pacific did not attain the 18% DBE goal.

Staff has determined that after a thorough review of the proposals, the protest, DBE-related issues and project budget, it is appropriate to reject all bids received, to decrease the DBE goal from 18% to 15% to target specifically the Category A contract items, and to authorize re-advertising for construction bids.

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Public Comment:

Rick Disney, Vice President, Anderson Pacific Engineering Construction, Inc., requested further clarification regarding the rejection of all bids. Attorney David J. Miller provided further specifics pertaining to the DBE goal and the project budget. Mr. Miller further advised the Committee that in accepting the staff recommendation, that the protest filed by Anderson Pacific becomes moot.

RECOMMENDATION

The Committee recommends that the Board of Directors authorize the following actions relative to Contract 97-FT-4, Modifications to and Refurbishment of Vessel Docking Systems at San Francisco and Larkspur: reject all bids received on January 7, 1997; establish a fifteen (15) percent Disadvantaged Business Enterprise goal for Category A contract items; and, authorize the General Manager to re-advertise for construction bids.

Action by the Board - Resolution

AYES (7); NOES (0); ABSENT (2)

15. Public Comment

There were no additional public comments.

16. Adjournment

All business having been concluded, the meeting was declared adjourned at 11:10 a.m.

Respectfully submitted,



Robert McDonnell, Chair
Building and Operating Committee