

SEWER AUTHORITY MID-COASTSIDE

RESOLUTION NO. 13-94

A RESOLUTION APPROVING AND AUTHORIZING EXECUTION OF CONTRACT FOR
ENGINEERING SERVICES FOR EMERGENCY OCEAN OUTFALL REPAIR

RESOLVED, by the Board of Directors of the Sewer Authority Mid-Coastside, San Mateo County, California, as follows:

WHEREAS, this Board desires to make repairs to the Sewer Authority Mid-Coastside (Authority) Wastewater Treatment Facility Ocean Outfall diffuser section which was found to be damaged in an October 21, 1994 video inspection of the Authority outfall line; and

WHEREAS, in furtherance thereof, the Board did, by its Resolution No. 12-94, approve and authorize a contract by and between the Authority and North Coast Divers, Inc. for repair of teh Ocean Outfall diffuser risers;

WHEREAS, there has been presented to this Board a proposed contract by and between the Authority and John Carollo Engineers for engineering services for emergency ocean outfall repair of the Ocean Outfall diffuser risers;

NOW, THEREFORE, IT IS FOUND, DETERMINED AND ORDERED as follows:

1. The above recitals are true and correct.
2. That certain contract entitled "Engineering Services for Emergency Ocean Outfall Repair", by and between the Authority and John Carollo Engineers is hereby approved by this Board.
3. The Chairperson is hereby authorized and directed to execute the contract on behalf of the Authority, and the Secretary is hereby authorized and directed to countersign same.

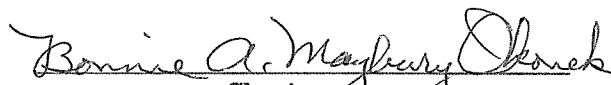
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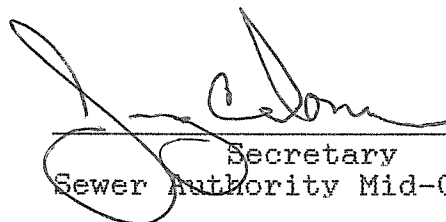
I hereby certify that the foregoing is a full, true and correct copy of the Resolution duly passed and adopted by the Board of Directors of the Sewer Authority Mid-Coastside, San Mateo County, California, at a regular Board meeting thereof held on the 27th day of December, 1994, by the following vote of its members:

AYES, Members: Prosser, Okonek, Pastorino, Briody,
Donovan, and Thollaug.

NOES, Members: None.

ABSENT, Members: Patterson, Wall.


Chairperson
Sewer Authority Mid-Coastside


Secretary
Sewer Authority Mid-Coastside

file Co.



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 SEWER AUTHORITY MID-COASTSIDE

December 14, 1994

Mr. Gary R. Valladao
 Sewer Authority Mid-Coastside
 P.O. Box 3100
 Half Moon Bay, CA 94019

Subject: Proposal for Engineering Services of Emergency Repair of Ocean Outfall Diffuser Risers

Gentlemen:

In response to your request, we have prepared the following scope of services and estimate of fees for engineering services in connection with repairs to SAM's outfall diffuser risers.

Our proposed scope of services consist of the following tasks:

Task 1 - Review SAM's proposed design for the outfall diffuser riser repair and replacement.

- a. Calculate theoretical dilution factor for the proposed design, assuming a 2-inch or 3-inch riser.
- b. Perform hydraulic analysis of the diffuser and outfall for the 2-inch and 3-inch riser assemblies. Determine the effects on the capacity of the new effluent pumps that will be installed during the pending plant expansion.

Task 2 - Perform a corrosion analysis of the ocean outfall and provide recommendations for additional corrosion protection.

- a. Review existing information, including the recent diving inspection records, shop drawings and construction records to determine as close as possible the "as constructed" conditions for the pipeline and corrosion protection equipment.
- b. Observe corrosion tests during diving inspection (diving by SAM's diving contractor).
- c. Determine the corrosion rate of the outfall and estimate the useful life of the outfall.
- d. Recommend improvements to the outfall to control future corrosion. Estimate costs for implementing corrosion protection measures.


Mr. Gary R. Valladao
Sewer Authority Mid-Coastside
December 14, 1994
Page No. 2


Our estimated fees to perform the above tasks are summarized in the attached table. We are available to perform these tasks immediately upon your authorization.

Thank you for the opportunity to continue our services for SAM

Very truly yours,

JOHN CAROLLO ENGINEERS


Walter A. Bishop, Jr., Partner


Michael J. Britten

WAB:MJB:js

**Table 1
Estimated Labor Hours for Engineering Services in Connection with
Emergency Repair to the Sewer Authority Mid-Coastside Outfall Diffuser Risers**

Task	P	PM (EVIII)	ENV. E (EVII)	COR. E (EVI)	D (TV)	WP	TOTAL
TASK 1 - REVIEW OUTFALL DIFFUSER DESIGN							
A. Calculate Dilution Factor	1	2	24	0	0	0	27
B. Hydraulic Analysis of Outfall and Effluent Pump Station	0	2	20	0	0	0	22
C. Prepare Letter Report	1	1	24	0	2	2	30
Task 1 Subtotal	2	5	68	0	2	2	79
TASK 2 - CORROSION ANALYSIS							
A. Review Existing Information	0	2	0	4	0	0	6
B. Observe Corrosion Tests	0	0	0	4	0	0	4
C. Estimate Corrosion Rate	0	0	0	4	0	0	4
D. Recommend Improvements and Prepare Report	1	2	0	28	0	0	31
Task 2 Subtotal	1	4	0	40	0	0	45
P = Partner				COR. E = Corrosion Engineer			
PM = Project Manager				D = Drafter			
ENV. E = Environmental Engineer				WP = Word Processor			

Table 2
Estimated Costs for Engineering Services In Connection with
Emergency Repair to the Sewer Authority Mid-Coastside Outfall Diffuser Risers

Category	Total Hours	Rate	Cost
TASK 1 - REVIEW OUTFALL RISER REPAIR DESIGN			
<u>Direct Labor Costs</u>			
Partner	2	\$130.00	\$260.00
Project Manager (EVIII)	5	\$125.00	\$625.00
Environmental Engineer (EVII)	24	\$120.00	\$2,880.00
Corrosion Engineer (EVI)	0	\$115.50	\$0.00
Drafter (TV)	0	\$85.00	\$170.00
Word Processor	2	\$60.00	\$120.00
Total	79		\$4,055.00
TASK 2 - CORROSION ANALYSIS			
<u>Direct Labor Costs</u>			
Partner	1	\$130.00	\$130.00
Project Manager (EVIII)	4	\$125.00	\$500.00
Environmental Engineer (EVII)	0	\$120.00	\$0.00
Corrosion Engineer (EVI)	40	\$115.50	\$4,620.00
Drafter (TV)	0	\$85.00	\$0.00
Word Processor	0	\$60.00	\$0.00
Total	45		\$5,250.00
<u>Indirect Labor Costs</u>			
1. Mileage: 2 trips at 140 miles ea. x \$.35 /mi			\$98.00
2. Printing			\$100.00
		Subtotal Other Direct Costs	\$198.00
		Total Estimated Costs Task 2	\$5,448.00
		Total Estimated Costs	\$9,503.00
		Say	\$9,600.00

TASK ORDER NO. 9

ENGINEERING SERVICES FOR EMERGENCY OCEAN OUTFALL REPAIR

SEWER AUTHORITY MID-COASTSIDE
AND
JOHN CAROLLO ENGINEERS

This Task Order No. 9 is issued by the Sewer Authority Mid-Coastside (Authority) and accepted by John Carollo Engineers (Engineer) pursuant to the mutual promises, covenants and conditions contained in the Agreement between the above named parties dated October 18, 1991.

PURPOSE

To provide needed emergency engineering services in conjunction with repairs to the Authority outfall diffuser risers.

SCOPE OF SERVICES

The scope of services consist of the following tasks:

Task 1.0 Review Authority's proposed design for the outfall diffuser riser repair and replacement

1. Calculate theoretical dilution factor for the proposed design, assuming a 2-inch or 3-inch riser.
2. Perform hydraulic analysis of the diffuser and outfall for the 2-inch or 3-inch riser assemblies. Determine the effects on the capacity of the new effluent pumps that will be installed during the pending plant expansion.

Task 2.0 Perform a Corrosion Analysis of the Ocean Outfall and Provide Recommendations for Additional Corrosion Protection

1. Review existing information, including the recent diving inspection records, shop drawing and construction records to determine as close as possible the "as constructed" conditions for the pipeline and corrosion protection equipment.

2. Observe corrosion tests during diving inspection (diving by SAM's diving contractor).
3. Determine the corrosion rate of the outfall and estimate the useful life of the outfall.
4. Recommend improvements to the outfall to control future corrosion. Estimate costs for implementing corrosion protection measures.

EFFECTIVE DATE

Task Order No. 9 is effective as of December 27, 1994 .

PAYMENT TO ENGINEER

Payment to the Engineer shall be on an hourly basis in accordance with the fee schedule included in the attached December 14, 1994 proposal from John Carollo Engineers. A budget cost ceiling, as detailed in the attached proposal Tables 1 and 2, is hereby established for Engineer's services and will not be exceeded except for Authority requested changes in Engineer's services.

TIME OF COMPLETION

Task Order No. 9 shall be completed within 60 days following the Authority's notice to proceed.

IN WITNESS WHEREOF, duly authorized representatives of the Authority and the Engineer have executed Task Order No. 9 by the Authority and acceptance by the Engineer.

JOHN CAROLLO ENGINEERS

SEWER AUTHORITY MID-COASTSIDE

By

Walter A. Bishop
Walter A. Bishop
Partner

By

Bonnie A. Maybury Okonek
Bonnie Okonek
Authority Board Chairperson

By

Jamal Semi
Partner

By

Jerry Donovan
Jerry Donovan
Authority Board Secretary
Pro-Temp Secretary