

**NAVAL STATION  
LONG BEACH, CALIFORNIA  
INSTALLATION RESTORATION  
COMMUNITY RELATIONS BROCHURE  
IMPLEMENTATION PLAN**

7 December 1990

RECEIVED  
ENGINEERING  
CODE 3226  
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**PREPARED BY:**  
Southwest Division Naval Facilities  
Engineering Command  
1220 Pacific Highway  
San Diego, California 92132-5190

**THROUGH:**  
CONTRACT #N68711-89-D-9296  
CTO #0110  
DOCUMENT CONTROL NO:  
CLE-C01-01F110-B1-0001

**WITH:**  
Jacobs Engineering Group Inc.  
3655 Nobel Drive, Suite 200  
San Diego, California 92122

**In association with:**  
International Technology Corporation  
CH2M HILL  
Grigsby/Graves

*Edward Rogo*

Project Manager

*Malu Stuehrop*

Technical Reviewer

## TABLE OF CONTENTS

	Page
1.0 INTRODUCTION .....	1-1
1.1 Objective .....	1-2
1.2 Project Organization .....	1-2
1.3 Background .....	1-3
2.0 TECHNICAL APPROACH .....	2-1
2.1 Work Element 1 - Implementation Plan/Project Planning .....	2-1
2.2 Work Element 2 - Review Existing Information .....	2-1
2.3 Work Element 3 - Preparation of Community Relations Brochure .....	2-2
2.4 Work Element 4 - Implement the Community Relations Brochure .....	2-3
2.5 Work Element 5 - Revise the Community Relations Brochure .....	2-4
2.6 Work Element 6 - Attend Meetings .....	2-4
2.7 Work Element 7 - Monthly Progress Report .....	2-5
3.0 SCHEDULE .....	3-1
4.0 COST .....	4-1
Appendix A - Interim Scoping Matrix .....	A-1
Appendix B - Schedule .....	B-1
Appendix C - Cost .....	C-1

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## 1.0 INTRODUCTION

This document presents an Implementation Plan (IP) for CTO No. 0110, Installation Restoration Community Relations Brochure (CRB) at Naval Station Long Beach (NSLB) under the Comprehensive Long-term Environmental Action Navy (CLEAN) Program, Contract No. N68711-89-D-9296.

This IP provides a detailed scope of work for CTO No. 0110, which is based on the Navy Scope of Work dated 15 August 1990 and information obtained in the following scope review meetings and discussions conducted to prepare an Interim Scoping Matrix (ISM):

- |                |  |
|----------------|--|
| 9 November 90  | Meeting with the Navy Remedial Project Manager (RPM) - Bill Thornton, the Activity Point of Contact (POC) - Ensign Steve Cox, the CH2M HILL Project Manager (PjM) - Ed Rogan, and the CH2M HILL Community Relations Manager (CRM) - Charles Gardiner |
| 20 November 90 | Telephone discussion among RPM, POC, PjM, and CRM  |
| 28 November 90 | Telephone discussion among RPM, PjM, and CRM   |
| 30 November 90 | Telephone discussion among PjM, Jacobs C/S Engineer, and CRM   |

Summaries of these meetings and discussions are presented in Appendix A.

### **1.1 Objective**

The objective of this IP is to present the technical approach, cost estimate, and schedule necessary for:

- o Preliminary Review (PR), including records search, data review, and site visit, to identify technical and community issues associated with NSLB
- o Preparation of a Community Relations Brochure (CRB)
- o Distribution and evaluation of the CRB
- o Final Evaluation Report
- o Meetings and monthly reports

### **1.2 Project Organization**

Jacobs has identified Ed Rogan as Project Manager (PjM) for this CTO. Other project management and lead technical personnel include:

- o Community Relations Manager (CRM) - Charles Gardiner
- o Technical Reviewer (TR) - Malu Gawthrop

### 1.3 Background

The Navy is beginning the first steps of a series of long-term environmental investigations and actions at the NSLB. The facility Commanding Officer, Captain Tracy, has expressed a desire to inform and educate the general public about Navy environmental activities at the NSLB early in the investigations. The Community Relations Brochure is planned as an early, discrete community relations activity prior to the completion of the SI. A Community Relations Plan (CRP) will be prepared following the completion of the Site Investigation (SI) in accordance with current EPA Community Relations Guidance.

At this time it is expected that 2,000 copies of the brochure will be prepared and distributed to NSLB personnel, neighbors, elected representatives, agency officials, community leaders, and other interested groups and individuals. Distribution will be by mail and by placement at information centers to be identified.

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## **2.0 TECHNICAL APPROACH**

### **2.1 Work Element 1 - Implementation Plan/Project Planning**

In accordance with the Scope of Work for CTO No. 0110, Jacobs has prepared this IP based upon the following steps:

- o Discussion of the scope of work during 3 meetings and telephone conversations
- o Preparation of an ISM for review by the Navy RPM and NSLB POC
- o Preparation of this IP based on the ISM

The IP contains the schedules, technical approach, and cost estimates for each work element identified for CTO No. 0110.

### **2.2 Work Element 2 - Review Existing Information**

The purpose of this review is to identify the community setting of the NSLB and the technical activities at the NSLB that will be of interest and/or concern to the general public. The review will identify and gather information on past and present IR program activities, waste management activities, and other environmental activities at the NSLB.

Documents to be reviewed include:

- o Initial Assessment Study of the Naval Complex Long Beach, California, Naval Energy and Environmental Support Activity, August 1983
- o Final Draft Site Inspection Work Plan, NSLB, California, Southwest Division, Naval Facilities Engineering Command, October 1990

A site visit will be conducted to assess community relations options and opportunities for the activity and the surrounding community.

A letter summary of the information review and site visit will be submitted.

### **2.3 Work Element 3 - Preparation of Community Relations Brochure**

A mailing list of potentially interested community members will be prepared for approval by the RPM and the NSLB. The mailing list is not expected to exceed 500 names and will include:

- o NSLB selected personnel
- o Federal, state, county, and local elected representatives
- o Federal, state, county, and local agency officials
- o Adjacent property owners
- o Community and civic organizations
- o Local and regional business organizations
- o Local and regional environmental groups

A detailed outline of the Community Relations Brochure will be prepared for Navy review. This outline will ensure that the message and content of the CRB will be consistent with Navy expectations.

A draft Community Relations Brochure will be prepared. The CRB will be a two-color, 8½ x 11 inch, four page, newsletter format. The brochure will include an introduction and statement of purpose from the Commanding Officer of the NSLB. The brochure will focus on the Installation Restoration activities at the NSLB. The brochure will include information about IR activities at other nearby facilities and information about other environmental programs at NSLB.

Information distribution sites will be located and identified. These sites will include locations such as the local library, the NSLB Commissary and Day Care Center.

Following review by the RPM and the facility Commanding Officer, a final CRB will be prepared.

#### **2.4 Work Element 4 - Implement the Community Relations Brochure**

Two thousand copies of the final Community Relations Brochure will be printed. The CRB will be mailed to the project mailing list and placed at the information distribution sites.

A telephone survey of 20 percent of the mailing list will be conducted to determine the public reaction to the CRB. The results of this survey will be summarized in a letter report.

## **2.5 Work Element 5 - Revise the Community Relations Brochure**

The Community Relations Brochure and the results of the telephone survey will be reviewed and a letter report with recommended revisions to the CRB, changes for future brochures, and other community relations activities will be prepared.

## **2.6 Work Element 6 - Attend Meetings**

Three monthly meetings between the project team, the RPM, and the POC are planned early in the project to assist the NSLB in developing a community relations strategy, theme, and program. These meetings will also serve as planning meetings for the message and content of the Community Relations Brochure.

Two review meetings between the project team, the RPM, and the POC are also planned. The first will be to review the draft Community Relations Brochure. The second meeting will be to review reactions to the CRB and the results of the telephone survey.

## **2.7 Work Element 7 - Monthly Progress Report**

Two copies of the monthly progress reports will be provided to the RPM and NSLB for the duration of this CTO as outlined in the CLEAN contract.

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### 3.0 SCHEDULE

Appendix B identifies each of the activities necessary to complete the CTO. The schedule shows the start and finish dates with applicable logical ties.

According to the attached schedule, the following dates have been established for the deliverables:

<b>Deliverable Title</b>	<b>Deliverable Due Date</b>
Implementation Plan	10 December 1990
IP Approval	14 January 1991
Information Review Report	08 February 1991
Draft CRB Outline	01 March 1991
Naval Review Completed	22 March 1991
Draft CRB	26 April 1991
Naval Review Completed	17 May 1991
Draft Mailing List	17 May 1991
Naval Review Completed	07 June 1991
Final CRB	21 June 1991
Telephone Survey Summary	02 August 1991
Final Recommendations Report	30 August 1991

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#### 4.0 COST

The cost estimate is provided in Appendix C. It identifies the lead technical personnel and functional code personnel by functional code category, contract rate category, unit rate, hours, and total cost required to complete CTO No. 0110. Anticipated specialty subcontractor costs, travel expenses, and other direct costs are provided in the enclosed exhibits.

The Navy's budget estimate provided in CTO No. 0110 is \$34,000. The Jacobs estimated cost is \$45,472.

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**Appendix A**  
**Interim Scoping Matrix**

During the development of an Interim Scoping Matrix, the RPM and PjM agreed to summarize the results of meetings and discussions related to CTO No. 0110. The Navy Scope of Work dated 15 August 90 and these summaries form the basis for preparation of the Implementation Plan.

The IP provides a detailed scope of work for CTO No. 0110. Summaries of the following meetings and discussion are included in this appendix.

9 November 90 Meeting with the Navy Remedial Project Manager (RPM) - Bill Thornton, the Activity Point of Contact (POC) - Ensign Steve Cox, the CH2M HILL Project Manager (PjM) - Ed Rogan, and the CH2M HILL Community Relations Manager (CRM) - Charles Gardiner.

20 November 90 Telephone discussion among RPM, POC, PjM, and CRM.

28 November 90 Telephone discussion among RPM, PjM, and CRM.

PROJECT NOTE NO. PN-0110-0001 CLE-C01-01F110-I3-0001	PROJECT NO. 01-F110-YS
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CONFIRMATION OF:	CONFERENCE X	DATE HELD	9 November 1990
	TELECOM	DATE ISSUED	12 November 1990
	OTHER	RECORDED BY	Edward Rogan
SUBJECT		PLACE	NAVFACENGCOM - SWD
Kickoff/ISM Meeting CTO #0110 NAVSTA Long Beach			

PARTICIPANTS: (\* DENOTES PART-TIME ATTENDANCE)

Bill Thornton/SWD  
 Steve Cox/NSLB  
 Ed Rogan/CH2M HILL, LAO  
 Charles Gardiner/CH2M HILL, SFO

ACTION REQ'D. BY	ITEM
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**Project Purpose and Background**

Former Commanding Officer of the base had wanted to initiate community relations activities early because of increasing public attention and concern about industrial activities in the surrounding area. Former CO wanted to provide information to the community about the proactive environmental activities on the base. The initial plan was to complete a Community Relations Plan. After discussions with Bill Thornton, all agreed that the CRP is more appropriate after the completion of the Site Investigation. A Community Relations Brochure was identified as the appropriate preliminary activity.

The Naval Station has 6 IR sites that will be investigated. The adjacent Naval Shipyard has an additional 6 sites. The Naval Station and the Naval Shipyard are under separate commands and are therefore considered separate facilities. The Naval Station's Family Housing at San Pedro is also considered a separate facility.

**Community Relations Brochure**

**Purpose** - The purpose of the brochure is to communicate general information about the Installation Restoration Program and site specific information about the Naval Station IR sites and investigation plans. The brochure should clearly distinguish the separate facilities.

**Message** - The message is intended to be that the Navy is acting to address environmental issues in general and contamination problems specifically. An additional message is that the Naval Station IR sites are not currently believed to be a "significant" threat.

PROJECT NOTE NO.

PROJECT NO.

PN-0110-00

01-F110-YS

ACTION  
REQ'D. BY

ITEM

Format - The brochure will be a four page, 8.5x11, color, newsletter format.

Audience - The target audience for the brochure will be Naval Station personnel, municipalities and elected officials, adjacent property owners, community leaders (neighborhood and community groups), environmental groups, business organizations. Since the Naval Station is located in an industrial area, there is not expected to be a residential community directly affected.

Distribution - The brochure will be mailed to the mailing list and made available at local repositories such as the commissary, daycare center, and local libraries.

**Schedule**

Meeting attendees agreed that a meeting with Naval Station Commanding Officer and Public Affairs Officer would be advantageous prior to the submittal of the Implementation Plan. Steve Cox would set up the meeting for November 15, 16, or 19.

CH2M HILL will examine the schedule and make recommendations for improvements. Government review of the brochure is expected to require three or four weeks.

PROJECT NOTE NO.		PROJECT NO.	
PN-0110-0002 CLE-C01-01F110-11-0001		01-F110-YS	
CONFIRMATION OF:	CONFERENCE TELECOM OTHER	X	DATE HELD DATE ISSUED RECORDED BY PLACE
SUBJECT			20 November 1990 21 November 1990 Charles Gardiner San Francisco, California
Meeting with CO; CTO No. 110, NAVSTA Long Beach			
PARTICIPANTS: (* DENOTES PART-TIME ATTENDANCE)			
Bill Thornton, SWD; Steve Cox, NSLB; Ed Rogan, CH2M HILL/LAO; Charles Gardiner, CH2M HILL/SFO			
ACTION REQ'D. BY	ITEM		
	<p>Bill Thornton reported that Captain Tracy, Commanding Officer of Naval Station Long Beach, would like to focus the brochure on the Installation Restoration Program at the Naval Station Long Beach. However, because the Naval Station is one of several Navy facilities in the area and likely to be the first that has any extended public contact about environmental issues, the brochure should also include information noting the other Navy facilities that are investigating hazardous waste problems. These facilities are the Naval Weapons Station at Seal Beach, the Naval Shipyard at Long Beach, the Naval Hospital at Long Beach, and the Defense Fuel Supply Center at San Pedro. Contact names should be included for each of the facilities. These facilities will be asked to concur with the Implementation Plan.</p> <p>The brochure should also include general information about environmental programs at the Naval Station. These programs include current waste handling practices, recycling programs, and others. Captain Tracy felt that the brochure should begin with a positive message about environmental programs at the Naval Station. The Naval Station will be developing these programs and the message between now and March 1991. Charles Gardiner suggested holding regular meetings to discuss and develop the plans. Three meetings will be included in the Implementation Plan.</p> <p>After some discussion of the audience for the brochure, the group agreed that the mailing list would include elected representatives, agency officials, community leaders, business groups, and adjacent property owners. The brochure would also be distributed at information centers such as the local library, the commissary, and the day care center. The budget should be sufficient to print 1,500 to 2,000 brochures.</p>		

PROJECT NOTE NO.

PROJECT NO.

PN-0110-0002-F110-YS

ACTION  
REQ'D. BY

ITEM

The revision of the brochure will be in the form of a letter noting the results of the telephone evaluation and suggestions for improvements in future brochures. The brochure itself will not be revised and reprinted.

Charles Gardiner and Ed Rogan will prepare preliminary estimates of labor hours for discussion with Bill Thornton on November 26th or 27th.

PROJECT NOTE NO. PN-0110-0003 CLE-C01-01F110-I1-0002		PROJECT NO. 01-F110-YS	
CONFIRMATION OF:	CONFERENCE TELECOM OTHER	X	DATE HELD DATE ISSUED RECORDED BY PLACE
SUBJECT	28 November 1990 30 November 1990 Charles Gardiner San Francisco, California.		
Estimated Level of Effort; CTO No. 0110, NAVSTA Long Beach			
PARTICIPANTS: (* DENOTES PART-TIME ATTENDANCE)			
Bill Thornton, SWD; Ed Rogan, CH2M HILL/LAO; Charles Gardiner, CH2M HILL/SFO			
ACTION REQ'D. BY	ITEM		
	<p>Bill Thornton (RPM) reported that the contracts specialists have confirmed that discussions of hours and tasks are appropriate at this time, but discussions of hours by grade level and costs are not appropriate.</p> <p>Ed Rogan (PjM) review the preliminary estimates of hours. A total of 550 hours has been estimated for completion of CTO No. 0110. All parties agreed that two additional review meetings with the RPM and CO be included. These meetings would occur at the completion of the draft CRB and at the completion of the telephone survey and suggested revisions report.</p> <p>Ed Rogan and Charles Gardiner will be meeting with the Jacobs cost and schedule specialist on 30 November 1990. The IP will be submitted to the Navy on 10 December 1990. Bill Thornton reported that approval of the IP would be provided by 14 January 1991. The schedule in the IP will assume IP approval by 14 January 1991.</p>		

**Appendix B**  
**Schedule**

REPORT: ACTES

## ACTIVITY LISTING by ACTIVITY NUMBER

REPORT DATE: 4DEC90

PROJECT: CTO110

IR COMMUNITY RELATIONS,NS, LONG BEACH, CA

TIME NOW: 10SEP90

ACTIVITY	REM DUR	ORIG DUR	DESCRIPTION	CODE 1	CODE 2	EARLY START	EARLY FINISH	LATE START	LATE FINISH	TOTAL FLOAT
010001	65	65	IMPLEMENTATION PLAN	010		10SEP90	07DEC90	10APR89	07JUL89	-370
010002	27	27	NAVY REVIEW OF IP AND APPROVAL	010		10DEC90	15JAN91	11JUL89	16AUG89	-369
015001	168	168	MONTHLY REPORTING	015		04FEB91	25SEP91	04SEP89	25APR90	-370
016001	233	233	MEETINGS	016		05NOV90	25SEP91	05JUN89	25APR90	-370
170001	62	62	PREPARE COMMUNITY RELATIONS BROCHURE	170		04FEB91	30APR91	05SEP89	29NOV89	-369
172001	65	65	IMPLEMENT COMMUNITY RELATIONS BROCHURE	172		01APR91	28JUN91	31OCT89	29JAN90	-369
174001	65	65	REVISE COMMUNITY RELATIONS BROCHURE	174		03JUN91	30AUG91	02JAN90	02APR90	-369
200001	20	20	RECORDS REVIEW	200		04FEB91	01MAR91	06MAR90	02APR90	-239
990001	20	20	CTO CLOSEOUT	990		03SEP91	30SEP91	03APR90	30APR90	-370

ACTIVITY IDENTIFIER	ACTIVITY DESCRIPTION	ORIG DUR	- - WORKING - -		IMPOSED DATE	RESOURCE TYPE	- - - - RESOURCE - - - - -	
			START	FINISH			MH	\$
M,D 010-001	IMPLEMENTATION PLAN	65	10SEP90	07DEC90	10SEP90	PROFESSIONAL 4	16	1581
						PROFESSIONAL 2	24	1402
						TECHNICIAN 1	4	139
						CLERICAL	16	505
						COST ENGINEERING	6	306
						ENVIRONMENTAL SCIENT	4	132
						TRAVEL		858
A 010-002	NAVY REVIEW OF IP AND APPROVAL	27	10DEC90	15JAN91				
015-001	MONTHLY REPORTING	168	04FEB91	25SEP91		PROFESSIONAL 4	14	1383
						PROFESSIONAL 2	28	1637
						CLERICAL	28	881
						COST ENGINEERING	28	1430
						SCHEDULING/PLANNING	28	1518
						WORD PROCESSOR	22	502
						ACCOUNTING	14	311
						PROJECT SERV SECRETA	14	343
						OTHER DIRECT COSTS		3100
						OTHER DIRECT COSTS		655
016-001	MEETINGS	233	05NOV90	25SEP91		PROFESSIONAL 4	18	1778
						PROFESSIONAL 2	54	3156
						CLERICAL	12	379
						TRAVEL		1287
						TRAVEL		858
M,D 170-001	PREPARE COMMUNITY RELATIONS BROCHURE	62	04FEB91	30APR91		PROFESSIONAL 4	8	790
						PROFESSIONAL 2	32	1869
						TECHNICIAN 2	14	700
						PROFESSIONAL 1	32	1719
						CLERICAL	24	756
						ENVIRONMENTAL SCIENT	4	132
M 172-001	IMPLEMENT COMMUNITY RELATIONS BROCHURE	65	01APR91	28JUN91		PROFESSIONAL 4	4	395
						PROFESSIONAL 2	12	702
						PROFESSIONAL 1	24	1290
						TECHNICIAN 2	8	401
						CLERICAL	12	379
						ENVIRONMENTAL SCIENT	2	66
M,D 174-001	REVISE COMMUNITY RELATIONS BROCHURE	65	03JUN91	30AUG91		PROFESSIONAL 4	2	198
						PROFESSIONAL 2	16	935
						TECHNICIAN 2	8	401
						CLERICAL	8	251
						ENVIRONMENTAL SCIENT	2	66
200-001	RECORDS REVIEW	20	04FEB91	01MAR91		PROFESSIONAL 4	2	198
						PROFESSIONAL 2	20	1169
						TECHNICIAN 1	2	69
						CLERICAL	4	125

M Denotes Milestone

D Denotes Deliverables

A Denotes Navy/Agency Action Required

OPEN-PLAN  
TASK: CTO110

PROJECT MILESTONE TARGET REPORT WORKPACKAGE SCHEDULE  
IR COMMUNITY RELATIONS, NS, LONG BEACH, CA

PAGE: 2  
RUN DATE: 04DEC90  
DATA DATE: 10SEP90

ACTIVITY IDENTIFIER	ACTIVITY DESCRIPTION	ORIG DUR	- - WORKING - - START	- - FINISH	IMPOSED DATE	- - - - - RESOURCE - - - - - TYPE	MH	\$
M 990-001	CTO CLOSEOUT	20	03SEP91	30SEP91		PROFESSIONAL 4	12	1185
						SCHEDULING/PLANNING	5	272
						COST ENGINEERING	4	204
						ACCOUNTING	12	266
						WORD PROCESSOR	7	160

**Appendix C**

**Cost**

NAVY CLEAN PROJECT

BS ENGINEERING GROUP INC.

CONTRACT NO. N68711-89-D-9296

CONTRACT TASK ORDER: 0110

IR COMMUNITY RELATIONS BROCHURE, NS ,LONG BEACH, CA

Run Date 12/04/90

Run Time 17:45:17

SCHEDULE A  
SUMMARY OF COSTS BY TASK  
CTO# 0110 IR COMMUNITY RELATIONS BROCHURE, NS ,LONG BEACH, CA

WORK ELEMENT -----	WORK ELEMENT DESCRIPTION -----	WORK ELEMENT MANHOURS -----	WORK ELEMENT DOLLARS -----
010	IMPLEMENTATION PLAN	70	\$ 5,699
015	MONTHLY REPORTING	176	\$ 13,719
016	MEETINGS	84	\$ 8,516
170	RECORDS REVIEW	114	\$ 7,148
172	PREPARE COMMUNITY RELATIONS BROCHURE	62	\$ 3,870
174	IMPLEMENT COMMUNITY RELATIONS BROCHURE	36	\$ 2,214
200	REVISE COMMUNITY RELATIONS BROCHURE	28	\$ 1,874
990	CTO CLOSEOUT	40	\$ 2,432
	TOTALS	===== 610	===== \$ 45,472

SCHEDULE B  
JACOBS ENGINEERING COSTS  
-->TOTAL COSTS<--

CONTRACT RATE CATEGORY	RES CODE	FUNCTIONAL CATEGORY	TOTAL HOURS	RATE	TOTAL COST
	PJ		0	0.00	0
ACCOUNTING	AC	ACCOUNTING	26	11.77	306
COST ENGINEERING	CC	COST ENGINEERING	38	27.06	1,028
ENVIRONMENTAL SCIENTIST	ES	ENVIRONMENTAL SCIENTIST	12	17.52	210
PROJECT SERV SECRETARY	PS	PROJECT SERV SECRETARY	14	13.02	182
SCHEDULING/PLANNING	SP	SCHEDULING/PLANNING	33	28.75	949
WORD PROCESSOR	WP	WORD PROCESSOR	29	12.09	351
SUBTOTAL CTO			152	\$	3,026
TOTAL JEG LABOR			152	\$	3,026
JEG FRINGE BENEFITS				\$	814
JEG G & A				\$	1,977
SPECIALTY SUBCONTRACTOR (EXHIBIT 1-SCH B)				\$	0
ODC COST (EXHIBIT 2-SCH B)				\$	655
TRAVEL COST (EXHIBIT 3-SCH B) NON FEE BEARING				\$	0
TOTAL JEG COST CONTRACT TASK ORDER: 0110			152	\$	6,472

SUMMARY OF TOTAL COSTS:					
TOTAL JEG COST	(SCHEDULE B)		152	\$	6,472
TOTAL IT COST	(SCHEDULE C)		0	\$	0
TOTAL CH2MHILL COST	(SCHEDULE D)		458	\$	35,139
AWARD FEE		N/A		\$	3,861
TOTAL COSTS:			610	\$	45,472
IR COMMUNITY RELATIONS BROCHURE, NS ,LONG BEACH, CA			610	\$	45,472

NAVY CLEAN PROJECT

JACOBS ENGINEERING GROUP INC.

CONTRACT NO. N68711-89-D-9296

CONTRACT TASK ORDER: 0110

IR COMMUNITY RELATIONS BROCHURE, NS ,LONG BEACH, CA

Run Date 12/04/90

Run Time 17:45:17

JACOBS ENGINEERING GROUP, INC.

EXHIBIT 2 TO SCHEDULE B

OTHER DIRECT COSTS

CTO# 0110 IR COMMUNITY RELATIONS BROCHURE, NS ,LONG BEACH, CA

	AMOUNT		RATE	TOTAL
	-----		----	-----
COMMUNICATION	152	@	0.21	31.92
MAINFRAME COMPUTER	152	@	0.36	54.72
MISCELLANEOUS	152	@	0.46	69.92
PERSONAL COMPUTER	65	@	5.00	325.00
POSTAGE/FREIGHT	152	@	0.44	66.88
REPRODUCTION	152	@	0.70	106.40

TODAL ODC'S

654.84

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NAVY CLEAN PROJECT

JACOBS ENGINEERING GROUP INC.

CONTRACT NO. N68711-89-D-9296

CONTRACT TASK ORDER: 0110

IR COMMUNITY RELATIONS BROCHURE, NS ,LONG BEACH, CA

Run Date 12/04/90

Run Time 17:45:17

SCHEDULE C

-->INTERNATIONAL TECHNOLOGY CORP.<--

CONTRACT RATE CATEGORY	RES CODE	FUNCTIONAL CATEGORY	TOTAL HOURS	RATE	TOTAL COST
	IB		0	0.00	0
SUBTOTAL CTO			0	\$	0
TOTAL IT CORP. LABOR			0	\$	0
CTO OVERHEAD				\$	0
SUBTOTAL IT LABOR/OVERHEAD			0	\$	0
SPECIALTY SUBCONTRACTOR (EXHIBIT 1-SCH C)				\$	0
ODC COST (EXHIBIT 2-SCH C)				\$	0
TRAVEL COST (EXHIBIT 3-SCH C) NON FEE BEARING				\$	0
SUBTOTAL DIRECT COSTS				\$	0
G & A				\$	0
SUBTOTAL IT DIRECT/G&A COST				\$	0
AWARD FEE				\$	0
FCCOM(OH)				\$	0
FCCOM(G&A)				\$	0
TOTAL COSTS:					
IR COMMUNITY RELATIONS BROCHURE, NS ,LONG BEACH, CA				\$	0

CONTRACT NO. N68711-89-D-9296

CONTRACT TASK ORDER: 0110

IR COMMUNITY RELATIONS BROCHURE, NS ,LONG BEACH, CA

SCHEDULE D  
 -->CH2MHILL<--

E. ROGAN

CONTRACT RATE CATEGORY	RES CODE	FUNCTIONAL CATEGORY	TOTAL HOURS	RATE	TOTAL COST
PROFESSIONAL 4	P4		76	37.00	2,812
PROFESSIONAL 4	P3	PROFESSIONAL 4	0	37.00	0
PROFESSIONAL 2	P2	PROFESSIONAL 2	186	21.89	4,072
PROFESSIONAL 1	P1	PROFESSIONAL 1	56	20.14	1,128
PROFESSIONAL 1	T3	PROFESSIONAL 1	0	20.14	0
TECHNICIAN 2	T2	TECHNICIAN 2	30	18.70	561
TECHNICIAN 1	T1	TECHNICIAN 1	6	13.03	78
CLERICAL	CL	CLERICAL	104	11.80	1,227
SUBTOTAL TECHNICAL			458	\$	9,878
TOTAL CH2MHILL LABOR			458	\$	9,878
COMPOSITE INDIRECT RATE				\$	16,496
SPECIALTY SUBCONTRACTOR (EXHIBIT 1-SCH D)				\$	0
ODC COST (EXHIBIT 2-SCH D)				\$	3,100
TRAVEL COST (EXHIBIT 3-SCH D) NON FEE BEARING				\$	3,003
FIXED FEE				\$	884
AWARD FEE				\$	1,777
TOTAL COSTS:					-----
IR COMMUNITY RELATIONS BROCHURE, NS ,LONG BEACH, CA				\$	35,139
					=====

NAVY CLEAN PROJECT  
JACOBS ENGINEERING GROUP INC.

Run Date 12/04/90  
Run Time 17:45:17

CONTRACT NO. N68711-89-D-9296

CONTRACT TASK ORDER: 0110

IR COMMUNITY RELATIONS BROCHURE, NS ,LONG BEACH, CA

CH2MHILL  
EXHIBIT 2 TO SCHEDULE D  
OTHER DIRECT COSTS  
CTO# 0110 IR COMMUNITY RELATIONS BROCHURE, NS ,LONG BEACH, CA

	AMOUNT	RATE	TOTAL
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COMPUTER			750.00
MISCELLANEOUS			650.00
OUTSIDE SERVICES-PRINTING			1,000.00
REPROGRAPHICS			700.00
TOTAL ODC'S			3,100.00
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CONTRACT NO. N68711-89-D-9296

CONTRACT TASK ORDER: 0110

IR COMMUNITY RELATIONS BROCHURE, NS ,LONG BEACH, CA

CH2MHILL  
EXHIBIT 3 TO SCHEDULE D  
TRAVEL EXPENSES

CTO# 0110 IR COMMUNITY RELATIONS BROCHURE, NS ,LONG BEACH, CA

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2 TRIP(S) FROM: SAN FRANCISCO, CA TO: ORANGE COUNTY, CA  
1 PERSON(S) DATE: TBD DURATION: 1 DAY  
ID#: 010001 PURPOSE: ISM/IP PREPARATION

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2 AIRFARE @ \$ 355/Each \$ 710  
2 DAYS CAR RENTAL @ \$ 40/Day \$ 80  
0 DAYS HOTEL @ \$ 0/Day \$ 0  
2 DAYS PER DIEM @ \$ 34/Day \$ 68  
0 MILES @ \$ 0.00/Mile \$ 0  
  
TOTAL TRIP \$ 858

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3 TRIP(S) FROM: SAN FRANCISCO, CA TO: ORANGE COUNTY, CA  
1 PERSON(S) DATE: TBD DURATION: 1 DAY  
ID#: 016001 PURPOSE: MEETINGS WITH RPM AND POC

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3 AIRFARE @ \$ 355/Each \$ 1,065  
3 DAYS CAR RENTAL @ \$ 40/Day \$ 120  
0 DAYS HOTEL @ \$ 0/Day \$ 0  
3 DAYS PER DIEM @ \$ 34/Day \$ 102  
0 MILES @ \$ 0.00/Mile \$ 0  
  
TOTAL TRIP \$ 1,287

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2 TRIP(S) FROM: SAN FRANCISCO, CA TO: ORANGE COUNTY, CA  
1 PERSON(S) DATE: TBD DURATION: 1 DAY  
ID#: 016001 PURPOSE: DOCUMENT REVIEW MEETINGS

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2 AIRFARE @ \$ 355/Each \$ 710  
2 DAYS CAR RENTAL @ \$ 40/Day \$ 80  
2 DAYS HOTEL @ \$ 34/Day \$ 68  
0 DAYS PER DIEM @ \$ 0/Day \$ 0  
0 MILES @ \$ 0.00/Mile \$ 0  
  
TOTAL TRIP \$ 858

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TOTAL TRAVEL COSTS FOR CH2MHILL \$ 3,003

WORK ELEMENT	WORK ELEMENT DESCRIPTION/ SIGNIFICANT ACTIVITIES	- - WORKING - -		C O	- - - - - TYPE	RESOURCE	- - - - -	
		START	FINISH				MH	\$
010	IMPLEMENTATION PLAN	10SEP90	15JAN91					
M,D	IMPLEMENTATION PLAN			C	TRAVEL		6	858
NR	NAVY REVIEW OF IP AND APPROVAL			J	COST ENGINEERING		16	306
				C	CLERICAL		4	504
				J	ENVIRONMENTAL SCIENTIST		24	132
				C	PROFESSIONAL 2		16	1,403
				C	PROFESSIONAL 4		4	1,581
				C	TECHNICIAN 1			139
					*** TOTAL ***		70	4,923
015	MONTHLY REPORTING	04FEB91	25SEP91					
				J	ACCOUNTING		14	311
				C	OTHER DIRECT COSTS		28	3,100
				J	COST ENGINEERING		28	1,429
				C	CLERICAL		28	882
				J	OTHER DIRECT COSTS		28	655
				C	PROFESSIONAL 2		14	1,636
				C	PROFESSIONAL 4		14	1,383
				J	PROJECT SERV SECRETARY		14	344
				J	SCHEDULING/PLANNING		28	1,518
				J	WORD PROCESSOR		22	502
					*** TOTAL ***		176	11,760
016	MEETINGS	05NOV90	25SEP91					
				C	TRAVEL		12	2,145
				C	CLERICAL		54	378
				C	PROFESSIONAL 2		18	3,156
				C	PROFESSIONAL 4			1,778
					*** TOTAL ***		84	7,457
170	RECORDS REVIEW	04FEB91	30APR91					
M,D	PREPARE COMMUNITY RELATIONS BROCHURE			C	CLERICAL		24	756
				J	ENVIRONMENTAL SCIENTIST		4	132
				C	PROFESSIONAL 1		32	1,721
				C	PROFESSIONAL 2		32	1,870
				C	PROFESSIONAL 4		8	790
				C	TECHNICIAN 2		14	699
					*** TOTAL ***		114	5,968
172	PREPARE COMMUNITY RELATIONS	01APR91	28JUN91					
M	IMPLEMENT COMMUNITY RELATIONS BROCHURE			C	CLERICAL		12	378
				J	ENVIRONMENTAL SCIENTIST		2	66

M = Milestone

D = Deliverable

NR = Navy Action

AR = Agency Action

WORK ELEMENT	WORK ELEMENT DESCRIPTION/ SIGNIFICANT ACTIVITIES	- - WORKING - -		C O	- - - - - TYPE	RESOURCE	- - - - -	
		START	FINISH				MH	\$
				C	PROFESSIONAL 1		24	1,291
				C	PROFESSIONAL 2		12	701
				C	PROFESSIONAL 4		4	395
				C	TECHNICIAN 2		8	399
					*** TOTAL ***		62	3,230
174	IMPLEMENT COMMUNITY RELATIONS	03JUN91	30AUG91					
M,D	REVISE COMMUNITY RELATIONS BROCHURE			C	CLERICAL		8	252
				J	ENVIRONMENTAL SCIENTIST		2	66
				C	PROFESSIONAL 2		16	935
				C	PROFESSIONAL 4		2	198
				C	TECHNICIAN 2		8	399
					*** TOTAL ***		36	1,850
200	REVISE COMMUNITY RELATIONS	04FEB91	01MAR91					
				C	CLERICAL		4	126
				C	PROFESSIONAL 2		20	1,169
				C	PROFESSIONAL 4		2	198
				C	TECHNICIAN 1		2	70
					*** TOTAL ***		28	1,563
990	CTO CLOSEOUT	03SEP91	30SEP91					
M	CTO CLOSEOUT			J	ACCOUNTING		12	266
				J	COST ENGINEERING		4	204
				C	PROFESSIONAL 4		12	1,185
				J	SCHEDULING/PLANNING		5	271
				J	WORD PROCESSOR		7	160
					*** TOTAL ***		40	2,086
					CTO TOTAL, EXCL AWARD FEE:		610	38,837

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