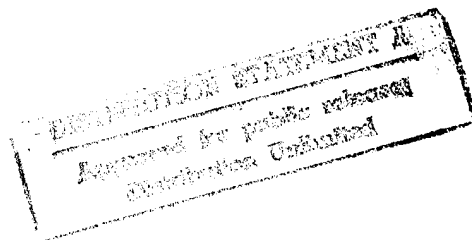


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ANALYSIS OF CONTRACT MODIFICATIONS ON MILITARY  
CONSTRUCTION (MILCON) PROJECTS ADMINISTERED  
BY THE U.S. NAVAL FACILITIES  
ENGINEERING COMMAND

by

Hector Armando Arellano, Jr., B.S.

THESIS

Presented to the Faculty of the Graduate School of  
The University of Texas  
in Partial Fulfillment  
of the Requirements  
for the Degree of

MASTER OF SCIENCE IN ENGINEERING

The University of Texas at Austin


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ENGINEERING COMMAND

APPROVED BY:

Supervisor: \_\_\_\_\_

  
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ABSTRACT

ANALYSIS OF CONTRACT MODIFICATIONS ON MILITARY  
CONSTRUCTION (MILCON) PROJECTS ADMINISTERED  
BY THE U.S. NAVAL FACILITIES  
ENGINEERING COMMAND

by

Hector Armando Arellano Jr., M.S.E.

The University of Texas at Austin, 1995

SUPERVISOR: Calin M. Popescu

This thesis analyzes the contract modifications on 135 Military Construction (MILCON) projects administered by the U.S. Naval Facilities Engineering Command (NAVFAC). Data for this study came from projects from 9 of the 10 Engineering Field Divisions (EFD's)/Engineering Field Activities (EFA's) that make-up the NAVFAC organization. Based on the results of the analysis observations were made regarding the performance of the EFD/EFA's in major areas such as claims, value engineering, scope changes and A-E liability modifications. Major differences between the performance of the individual EFD/EFA's and NAVFAC as a whole are also addressed. Lastly, the relationship between the Facility Category Code of the proposed structure or building and the project's modification rate is analyzed. The criteria used for the comparative analysis of the EFD/EFA's was: modification reason code assigned, trade affected by the modification, modification cost and the project's modification rate. Findings and conclusions are presented based on the results of the analysis.

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## Chapter 1

### Introduction

#### 1.1 Purpose.

This thesis has a dual purpose. First, an analysis of the contract modifications issued on 15 contracts from each of the 9 EFD/EFA's will be performed. Second, this thesis will attempt to establish a relationship between the Facility Category Code assigned to a project and the project's modification rate. For this analysis data from 135 Military Construction (MILCON) projects administered by the U.S. Naval Facilities Engineering Command (NAVFAC) will be used. The projects utilized for the analysis were at a stage of completion of 95% or greater at the time of the study.

The value of this thesis is two-fold. First it will show the most common types of modifications, by reason code and trade involved, issued by each of the EFD/EFA's for contracts under their administration. Major areas such as claims, value engineering, scope changes and A-E liability modifications will be given special attention. In addition, the impact the facility category code, or type of facility, assigned to the project has on the project's modification rate will be discussed. The data presented here should be useful to the Navy to identify trends and address areas to possibly minimize the number of modifications issued at the various EFD/EFA's, and therefore reduce the overall cost of a project. In addition by understanding the relationship between the facility category codes and the project's modification rate, the Navy will be better able to budget for contingency costs by taking into account the type of facility to be constructed.

## 1.2 Scope.

This thesis will analyze the contract modifications of 135 MILCON projects administered by NAVFAC. A total of 15 projects from each one of the 9 EFD/EFA's were used for this analysis. All of the projects were randomly selected and were, at the time of the study, at a stage of completion of 95% or greater. The projects selected for this analysis were, in the most part, located in the continental U.S. but a few projects in overseas locations were also included. The data gathered will be used to analyze the individual performance of each EFD/EFA's in the area of contract modifications. With this analysis completed, major differences between the EFD/EFA's will be addressed and their individual performances will be compared to the performance of NAVFAC as a whole. Lastly, this thesis will attempt to establish a relationship between the Facility Category Codes assigned to the project and the project's modification rate.

The criteria used for the analysis of the EFD/EFA's was: the modification reason codes assigned, trade affected by the modification, cost of modification and the project's modification rate. The Navy utilizes Facility Category Codes, refer to Appendix A for an explanation of these codes, to describe the uses of their facilities. These codes will be used to determine the type of facility being built and then the impact a certain type of facility has on the project's modification rate. The modification rate, expressed as a percentage, is calculated by adding the cost of all the modifications issued to date and dividing this total by the cost of the project.

## Chapter 2

### The Navy and its Organization

#### 2.1 Background.

The Naval Facilities Engineering Command (NAVFAC) is responsible for the Navy's facilities and its large capital improvement plant. Figure 2.1 shows where NAVFAC fits within the Navy's organization.

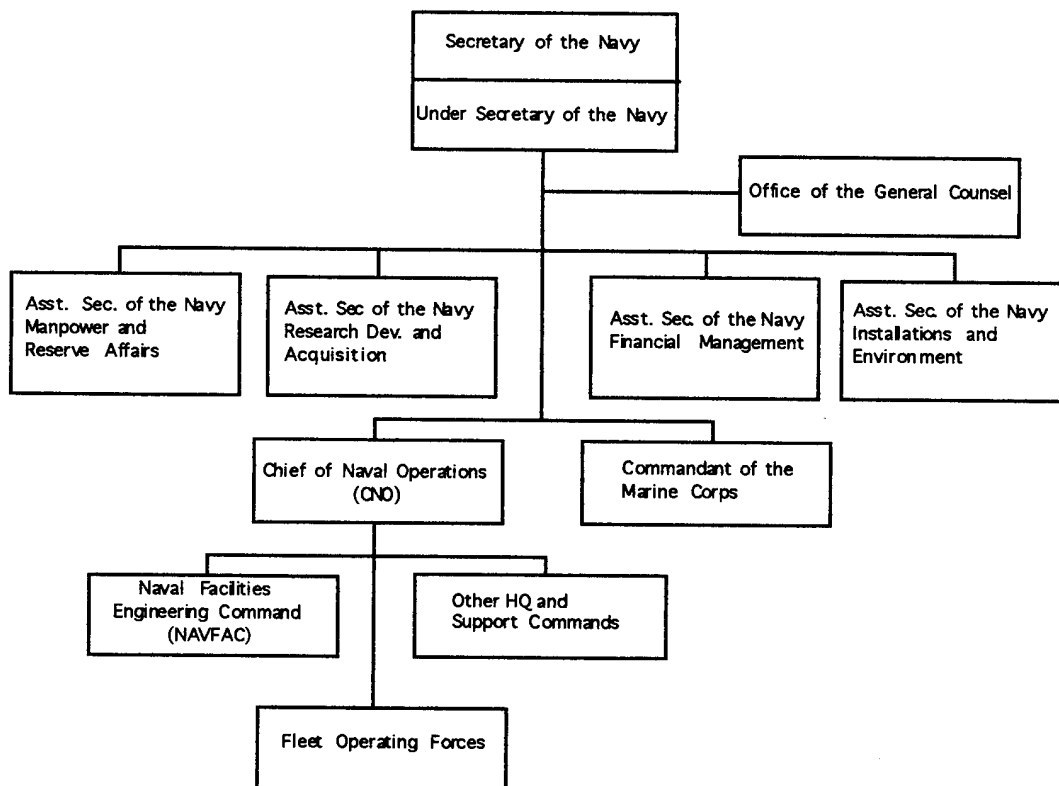


Figure 2.1: Organization of the Department of the Navy

NAVFAC manages the planning, design and construction of facilities for U.S. Navy activities around the world. The Navy's \$300+ billion worldwide physical plant includes all types of

facilities such as operational, maintenance, administrative, logistics, communications, and etc. Since NAVFAC is responsible for the physical plant they are engaged in virtually every type of construction, including industrial, commercial and residential.

NAVFAC awards more than 15,000 contracts yearly. At any given time, the command has more than 23,000 contracts active. Under the general guidance of the Office of the Secretary of Defense, NAVFAC executes a substantial portion of the worldwide Defense Military Construction Program. With rare exceptions, NAVFAC contracts are awarded and administered by the Engineering Field Divisions (EFD's), Engineering Field Activities (EFA's) or other field offices, rather than by NAVFAC headquarters.

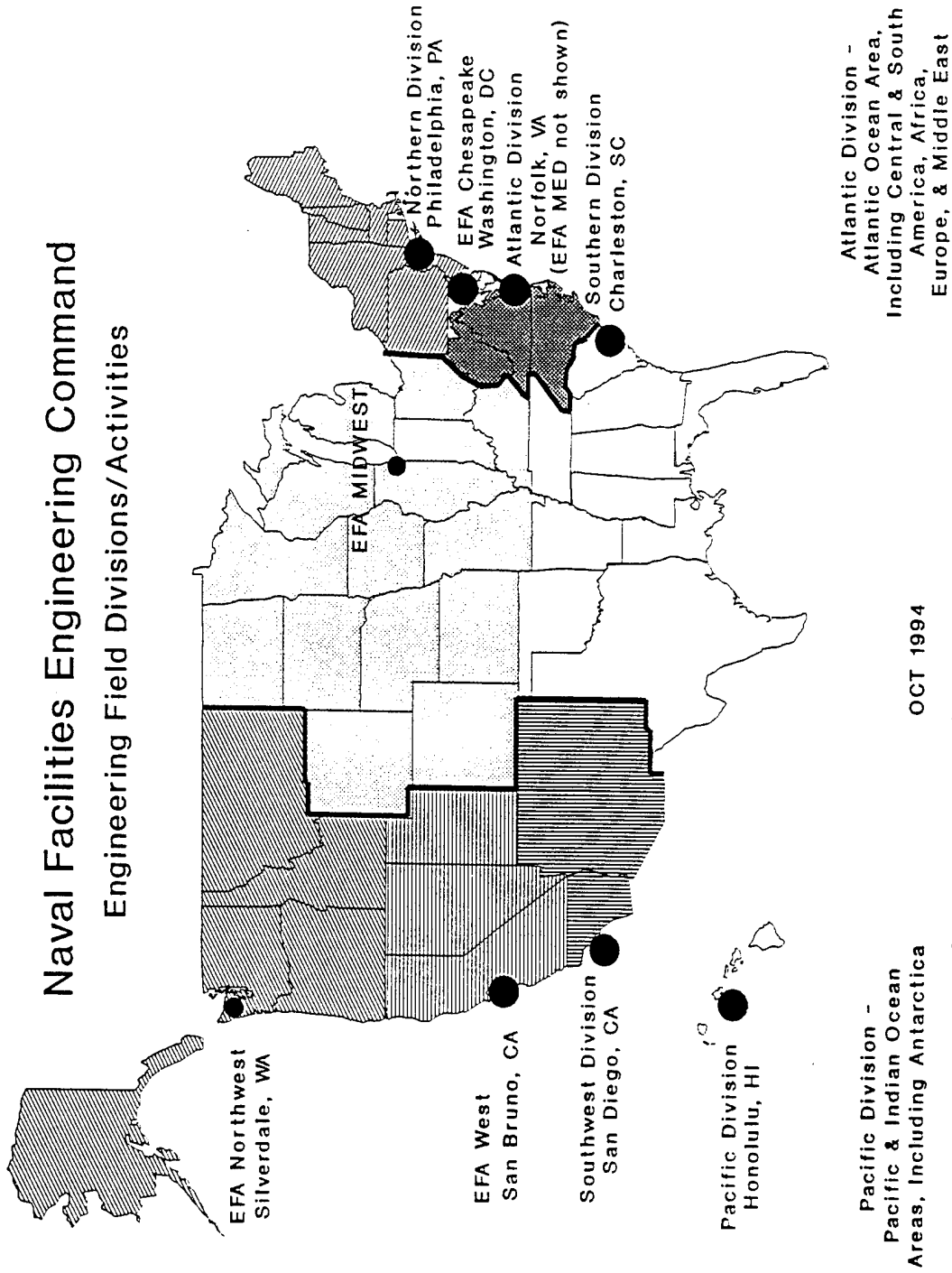
To be able to meet the changing mission of the Navy, and to replace old and inefficient facilities, the Navy, like every other large owner, has an extensive Capital Improvement Program (CIP). This program is called the Military Construction Program (MILCON) and typically involves approximately \$2 billion per year. These contracts will typically be fixed price, competitively bid contracts awarded to private businesses.

## 2.2 NAVFAC's Organization.

NAVFAC is organized geographically into 5 EFD's and 4 EFA's. These field engineering offices are responsible for the accomplishments of major projects from conceptual planning to start-up. Figure 2.2 shows the geographical area of responsibility of each one of the field engineering offices. While NAVFAC maintains some overall financial management and policy for the

# Naval Facilities Engineering Command

## Engineering Field Divisions/Activities



OCT 1994

Figure 2.2: EFD/EFA Location & Area of Responsibility

Navy's MILCON program, the field engineering offices perform all detailed scoping and planning as well as executing the detailed design and construction.

A functional organization of a typical EFD/EFA is shown in Figure 2.3. The conceptual planning work is done initially in the

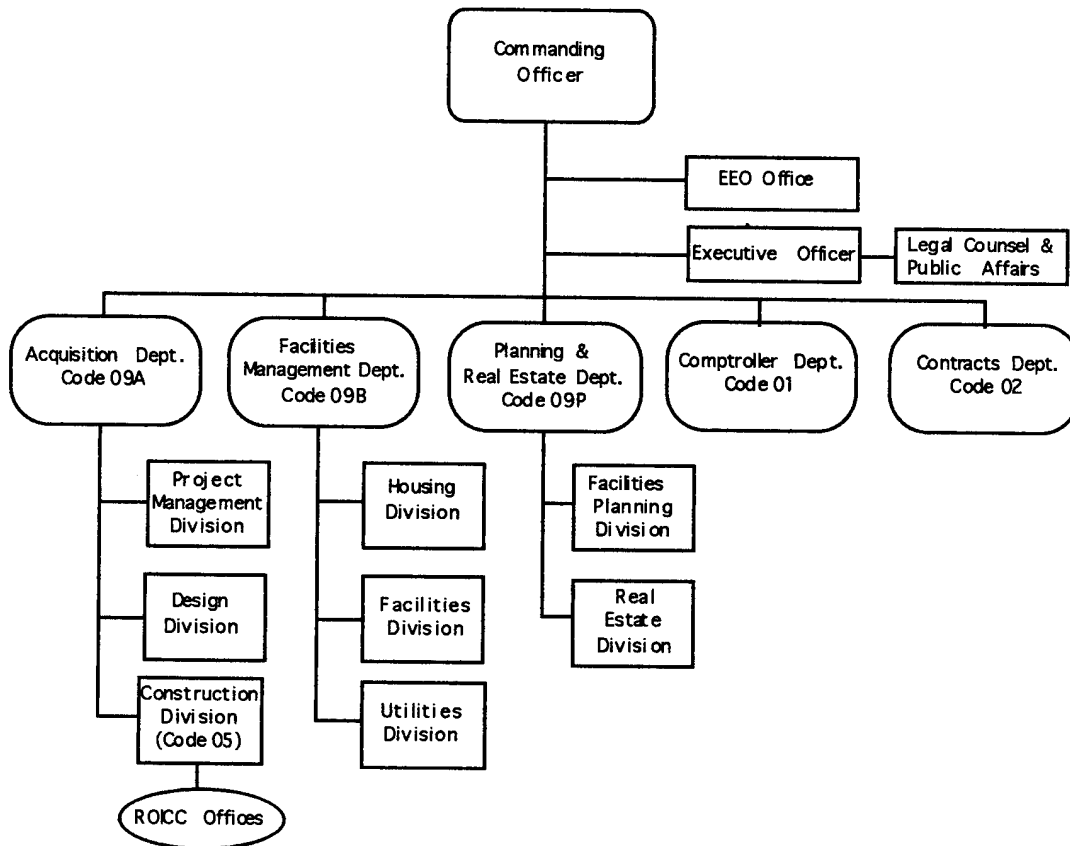


Figure 2.3: Typical EFD/EFA Organizational Chart

Planning Department, followed by the detailed design and construction which are accomplished by the Acquisition Department. The EFD/EFA is further subdivided into field offices entitled Resident Officer in Charge of Construction (ROICC) which handle the administration of the construction contracts after award. These ROICC offices consist of engineers, both civilian and



military, inspectors and contract specialists. Each project is assigned to a team which consists of one member from each specialty.

### 2.3 The MILCON Program.

Most all major capital improvements for the Navy are accomplished through the MILCON program. The MILCON process begins years before any actual construction work is done on site. The process starts with the requirements being identified at the local base level, or the addition of a new mission or weapon system requiring new facilities. After the requirement is identified, the project is submitted through the operational chain-of-command to the Chief of Naval Operations (CNO) for validation. The initial submission needs to include a brief description of the scope and a preliminary cost estimate. If the project is validated and is of high priority, it will become part of the Six Year Defense Plan (SYDP). The process is very competitive given the limited amount of funds available each year for overall defense spending.

The MILCON program is funded annually by Congress as a separate and distinct appropriation. Secondly, not all construction projects are a part of the MILCON process. In some cases, operation and maintenance money may be used for construction, but the most complex and expensive projects performed are part of the MILCON program. Every Navy project over \$ 200,000 must be authorized and appropriated as a specific line item in an annual congressional budget. The process of acquiring a MILCON project is a lengthy and extremely complex one. The flow chart shown in Figure 2.4 summarizes the process.

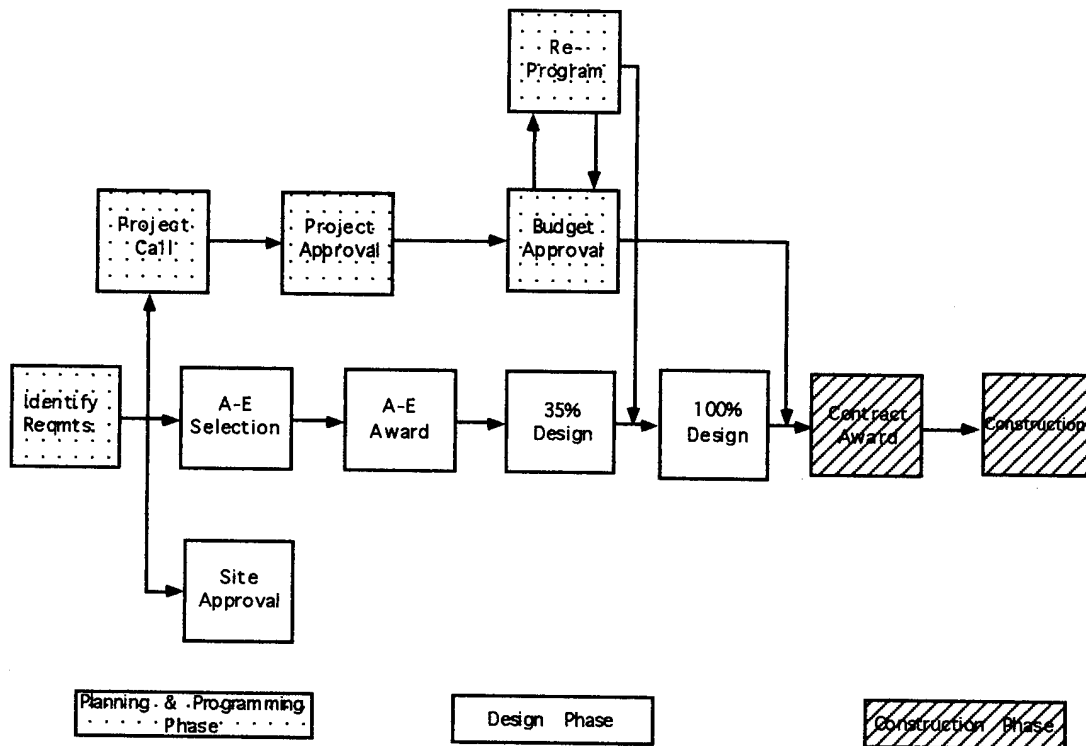


Figure 2.4: MILCON Process Flow Chart

When the project is within three years of its projected budget year, the planning process starts to further define the scope in preparation for design authorization. In some cases, "front-end" planning studies are either conducted in-house, by the EFD/EFA's staff, or by architect-engineer (A-E) firms to further define the project. The work to this point in the process is under the cognizance of the EFD/EFA's Planning Department. At approximately two years prior to the project's funding year and once the project has been certified ready for design, the design of the project is officially authorized. At this point an A-E is selected on the basis of his qualifications, and a contract is negotiated to complete all plans and specifications for the project. It is critical that the A-E contract be awarded as early as possible so that A-E is at least to the 35% point by September of each year, approximately 14 months before the project is funded (projects

are usually funded the first day of October). If this milestone is not met, the project will either be pushed back two years or it will be canceled in its entirety. This situation is controlled by Congressional requirements.

With 35% of the design completed, the project goes into the President's budget submission to Congress as part of the Department of Defense's budget request. It must go through hearings before a number of committees within both houses of the Congress. If the project survives as part of the Congressional budget process and is passed into law, the Navy can enter into a contract to build the project.

## 2.5 Characteristics of the Navy's Contracting Process.

The Federal Acquisition Regulations (FAR) governs all Federal procurement actions, including construction contracts. This regulation was enacted in 1984 to replace the Defense Acquisition Regulations (DAR). The Department of Defense (DoD) has a supplement to the FAR which publishes specific regulations pertaining to the DoD (DFARS). NAVFAC also has its own Contracting Manual (P-68) which contains specific regulations pertaining to NAVFAC procurements.

For the most part, the standard method of contracting for both A-E and construction services in the Navy is the fixed-price contract. In addition most construction contracts are also competitively bid. Any contractor with sufficient financial backing may bid on Government contracts. The solicitation typically requires the contractor to submit performance, payment and bid bonds.

The manner in which contracting is accomplished prevents participants in one phase of a project from participating in other phases of the project. For example, the A-E who designs the project has very little involvement in the construction phase of the process. Similarly, since bidding is normally conducted on an open basis, construction firms are not sought nor are they allowed to participate in the design of the contract. When contractors receive a set of plans to bid, they are seeing them for the first time.

The Planning Department personnel involved in the very early stages of the project usually limit their involvement to that phase of the project. Once the design is authorized, the Project Management Division within the Acquisition Department takes over the responsibilities for overseeing the project until it is designed and the construction contract is awarded.

During the design phase, the Design Division will appoint an Engineer-in-Charge who will become the principal point of contact between the design firm and the customer activity. Once the design is completed and the project funded, the Contracts Department will advertise, receive bids, and award the construction contract. The contract will be awarded to the lowest, responsible bidder.

After the contract is awarded, the Construction Division's Area Manager becomes the project manager at the headquarters level and serves as the liaison between the EFD/EFA and the ROICC. At this stage the ROICC becomes responsible for the day to day execution and administration of the construction in the field until final completion and turnover to the customer. During the Construction phase, the EFD/EFA's Project Manager involvement is, for all practical purposes, reduced to financial resource support

for contract modifications. Figure 2.5 summarizes the level of involvement of the project participants just discussed during the different project phases.

Participants \ Phases	Phases				
	Planning	Design	Bid & Award	Construction	Occupancy
Customer	-----	-----	-----	-----	=====
EFD: Planning Dept.	=====	-----	-----	-----	-----
Project Mgmt. Dept.	-----	-----	-----	-----	-----
Design Div.	-----	=====	-----	-----	-----
Contracts Dept.	-----	-----	=====	-----	-----
Construction Div.	-----	-----	-----	-----	-----
ROICC	-----	-----	-----	=====	-----

Legend:

Continuous involvement    =====  
 Periodic involvement        -----  
 Intermittent involvement    - - - - -

Figure 2.5: Project Participants by Project Phase

## 2.5 Contract Modification Processing.

A modification is contractual guidance provided to the contractor by the owner. These changes typically concern the specifications and drawings. Modifications or changes can involve addition of work, deletion of work, rework, change in material or the method of construction. In addition modifications may be additive, deductive, or no cost, and may or may not include an extension of the contract completion date. The Changes and Differing Site Condition Clauses of the FAR provide a contractual vehicle for directing and executing changes to, among other things,

contract plans and specifications. The Navy normally limits the modifications to those items necessary to ensure a complete and usable facility.

To deal with contract modifications more effectively, the Government has established a formal procedure to process modifications. The process is started when a change condition is identified by either the contractor or the Navy. The ROICC's project engineer or Assistant Resident Officer in Charge of Construction (AROICC) will then identify the scope of the change and prepare a Government estimate. A Government estimate must be prepared for all modifications. If additional funds are required to cover the modification, a formal request for funds is sent to the applicable EFD/EFA's Construction Division Area Manager (Code 05) explaining the reason, scope and providing a preliminary estimate for the modification. A reason code, refer to Appendix B for a listing and explanation of these codes, will be assigned to the modification to categorize it. If the change is a complex one, it may require input from the A-E of record to assist in design revisions or clarifications.

Once funds for the modification are obtained, the AROICC will issue a formal Request for Proposal (RFP) to the contractor asking him to provide an estimate for the required change work. The RFP should include a preliminary date for negotiations, if needed, with a request to notify the ROICC if the proposed date is unacceptable. The contractor then prepares an estimate of the proposed cost and submits it to the Government by the dateline specified on the RFP. The AROICC will then perform a review of the contractor's proposal. If the contractor's proposal is fair and reasonable, a contract modification will be issued. But in most cases some sort of negotiation is needed to arrive at a reasonable price for the change work. After negotiation are completed, the

ROICC office issues a contract modification that is signed by both the contractor and the ROICC's Contracting Officer. The official modification will become a line item in the Schedule of Prices or Schedule of Values.

## 2.6 Modification Tracking System.

The Navy has a formal construction management system to monitor the progress of all active construction contracts and properly track potential changes. This system allows the various divisions within the EFD/EFA to communicate the status of the modification of any project and monitors the ROICC's efforts in definitizing the outstanding modifications.

To maintain this database, each AROICC must maintain a log of all modifications to the contracts under his administration. This log is reviewed monthly by the ROICC to insure that positive action toward resolving outstanding modifications is taken by the AROICC. To ensure adequate documentation, the AROICC must prepare a change order document checklist, Appendix C, to be kept with the modification package. In the event that the contractor fails to respond to request for proposals from the AROICC, the ROICC must take action to ensure the completion of the work, including issuing a unilateral change order. This thesis utilized data obtained from this reporting system to perform the analysis on the selected projects.

## Chapter 3

### Research Methodology

#### 3.1 Introduction.

This thesis analyzes the contract modifications of 135 randomly selected MILCON projects administered by NAVFAC. The 135 contracts analyzed were valued at approximately \$557 million. The projects ranged in cost from \$1 million to \$21 million with the average project valued at approximately \$4.1 million. The only other criteria used to select the projects was that they had to be at least 95% completed at the time the study started.

#### 3.2 Data Gathering.

To be able to perform the EFD/EFA comparative analysis, 15 projects were selected from each one of the 9 EFD/EFA's (except EFA Naples). The contract modifications for the projects were obtained from microfiche records provided by NAVFAC. Any remaining or missing project data was obtained directly from the responsible EFD/EFA.

In addition to the contract modification data, the following information was also extracted from each contract to perform further analysis: contract award amount, total cost of modifications and the project's modification rate.

#### 3.3 Analysis Methods.

Three different sorts were used to perform the per comparative analysis. First, the contract modifications for each project were first sorted by the 12 modification reason codes used



by the Navy, see Appendix B. Subsequent sorts were by the primary trade affected and facility category codes.

The by reason code and trade affected sorts were used to analyze the individual performance of each of the EFD/EFA's. The following major trades/categories were selected for classifying the modifications: civil, earthwork, electrical, HVAC, finishes or architectural, roofing, demolition, hazardous waste removal , door/windows, plumbing and/or piping, site utilities, administrative, equipment installation, claims, extended overhead, time and the category of information not available (n/a). This last category was used when the modification information was not available, missing or the ROICC office had combine several changes into one modification making it impossible to classify the modification as any of the other major trades.

The sort by facility category code was used to establish a relationship between the facility category codes and the project's modification rates.

## Chapter 4

### Analysis of Data

#### 4.1 Introduction.

The first part of this chapter presents the results of the analysis of contract modifications issued by the different EFD/EFA's for projects under their administration. Next, the relationship between the type of facility under construction and the project's modification rate is examined.

#### 4.2 Analysis of Contract Modifications.

The results of the analysis are shown first for NAVFAC as a whole and then individually for each one of the 9 EFD/EFA's included in this study. The contract modifications for the 15 projects from each one of the EFD/EFA's were analyzed and their distribution by reason code assigned and trade involved were summarized. Percent distribution were calculated by reason code, trade involved and total cost of modifications. In addition, the average project modification rate and average costs per modification for each EFD/EFA are discussed.

##### 4.2.1 NAVFAC.

The 135 projects reviewed for this study had a value of \$556,952,025. These projects had a total of 2918 contract modifications valued at \$33,798,552. The average cost per modification issued by NAVFAC was \$11,583. Dividing the total cost of the modifications issued by the total value of all the contracts, an average project modification rate of 6.07% was calculated for NAVFAC as a whole.

The distribution of these modifications by reason code is summarized in Table 1. From this table, the majority of the changes were attributed to design problems (40.3%), unforeseen conditions (28.3%) and customer requested (11.5%) changes. Approximately 82% of the total cost for all modifications issued was due to design (33.4%), unforeseen (31.8%) and the customer requested (19.1%) changes. Figures 4.1 and 4.2 show the percent distribution of these modifications by reason code and its corresponding cost, respectively.

Reason Code	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
UNFO	825	28.3%	\$10,739,365	31.8%	\$13,017
DSGN	1176	40.3%	11,280,101	33.4%	\$9,592
CREQ	336	11.5%	6,460,289	19.1%	\$19,227
CRIT	120	4.1%	1,857,572	5.5%	\$15,480
IDEA	20	0.7%	(48,209)	-0.1%	(\$2,410)
PLAN	46	1.6%	1,978,099	5.9%	\$43,002
ERROR	32	1.1%	285,032	0.8%	\$8,907
ADMIN	250	8.6%	184,548	0.5%	\$738
CLAIM	28	1.0%	1,157,062	3.4%	\$41,324
TIME	43	1.5%	638	0.0%	\$15
VALUE	29	1.0%	(412,583)	-1.2%	(\$14,227)
SCOPE	13	0.4%	316,638	0.9%	\$24,357
<b>Totals</b>	<b>2918</b>	<b>100%</b>	<b>\$33,798,552</b>	<b>100%</b>	<b>\$11,583</b>

Table 1: NAVFAC's Modifications by Reason Code

Looking at the average cost per modification, it was noted the plan (\$43,002), claim (\$41,324) and scope (\$24,357) modifications had significantly higher averages than the overall NAVFAC average.

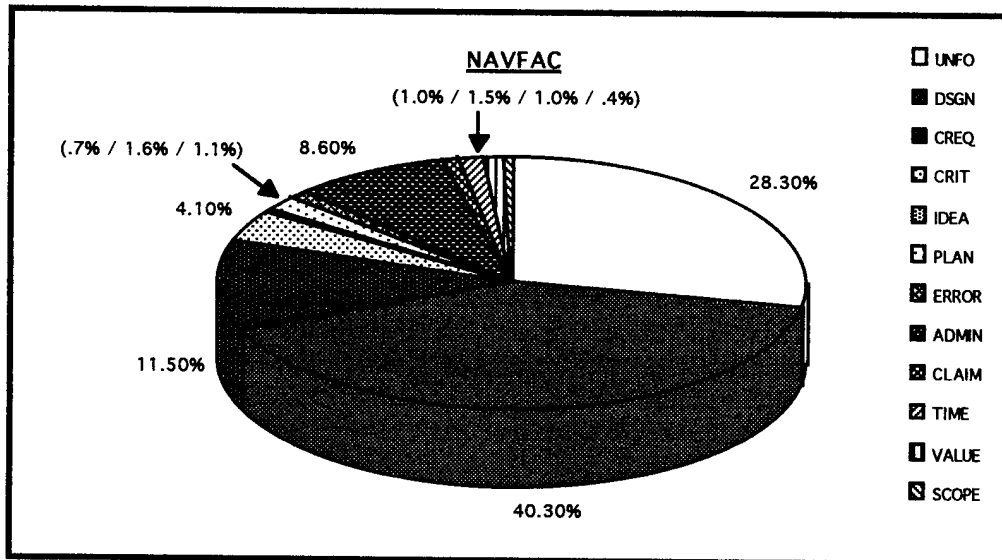


Figure 4.1: Distribution of Modifications by Reason Code

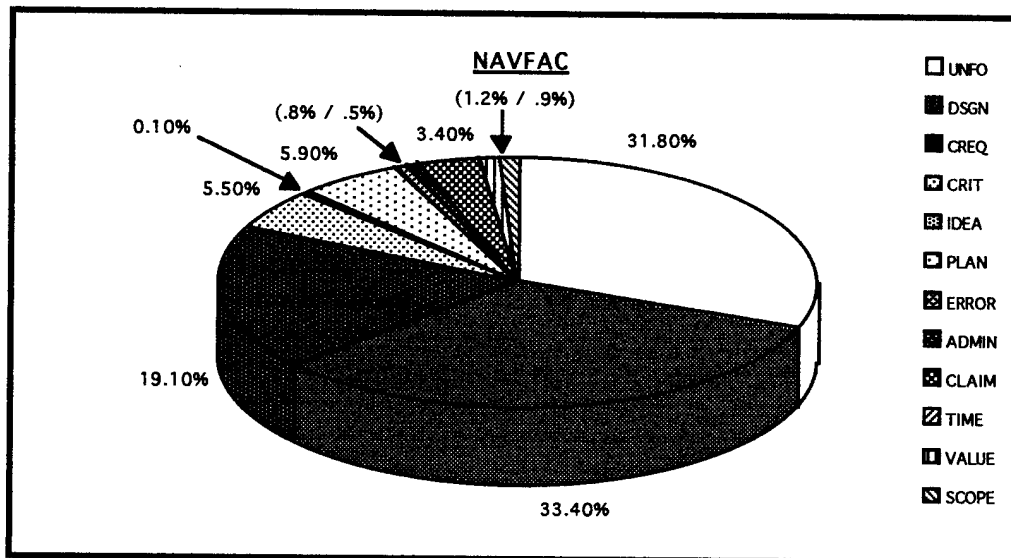


Figure 4.2: Percent Distribution of Cost by Reason Code

The distribution of the modifications by trade is shown in Table 2. The analysis showed that the civil (22%) and electrical (14.9%) related changes made up the majority of the modifications issued. Also noted was that 10.4% of the changes were classified as n/a and therefore the number of modifications reported for some of the trades may have been underestimated. As far as costs are concerned, the civil (27.1%), electrical (13.1%) and earthwork (10.1%) related changes made up about 50% of the total cost. The n/a category accounted for 9.9% of the total cost and therefore this represents a margin of error in the cost distributions of the other trades. Figures 4.3 and 4.4 show the percent distribution of the changes by trade and its corresponding cost, respectively.

Trades	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
CIVIL	642	22.0%	\$9,169,601	27.1%	\$14,283
EARTHWORK	164	5.6%	\$3,413,665	10.1%	\$20,815
ELECTRICAL	434	14.9%	\$4,436,440	13.1%	\$10,222
HVAC	120	4.1%	\$1,244,845	3.7%	\$10,374
FINISHES	170	5.8%	\$1,168,905	3.5%	\$6,876
ROOFING	47	1.6%	\$251,068	0.7%	\$5,342
DEMOLITION	78	2.7%	\$803,382	2.4%	\$10,300
HAZ. WASTE	53	1.8%	\$1,396,136	4.1%	\$26,342
DOOR/WINDOW	95	3.3%	\$413,013	1.2%	\$4,348
PLUMBING	195	6.7%	\$1,531,855	4.5%	\$7,856
UTILITIES	162	5.6%	\$1,713,306	5.1%	\$10,576
ADMIN	282	9.7%	\$602,353	1.8%	\$2,136
EQUIPMENT	64	2.2%	\$2,345,280	6.9%	\$36,645
CLAIMS	23	0.8%	\$986,217	2.9%	\$42,879
EXT. OVHD	42	1.4%	\$973,970	2.9%	\$23,190
N/A	303	10.4%	\$3,347,878	9.9%	\$11,049
TIME	44	1.5%	\$638	0.0%	\$15
<b>TOTALS</b>	<b>2918</b>	<b>100.0%</b>	<b>\$33,798,552</b>	<b>100.0%</b>	<b>\$11,583</b>

Table 2: NAVFAC's Modifications by Trade

Categories with average costs per modification that exceeded the overall average included: claims (\$42,879), equipment (\$36,640), hazardous waste removal work (\$26,342) and extended overhead (\$23,190).

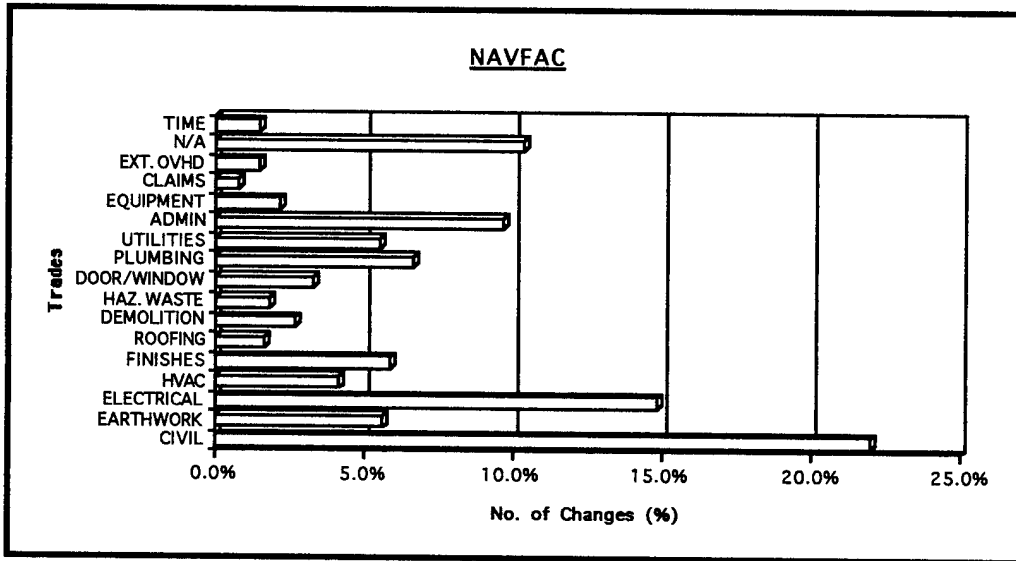


Figure 4.3: Distribution of Modifications by Trade

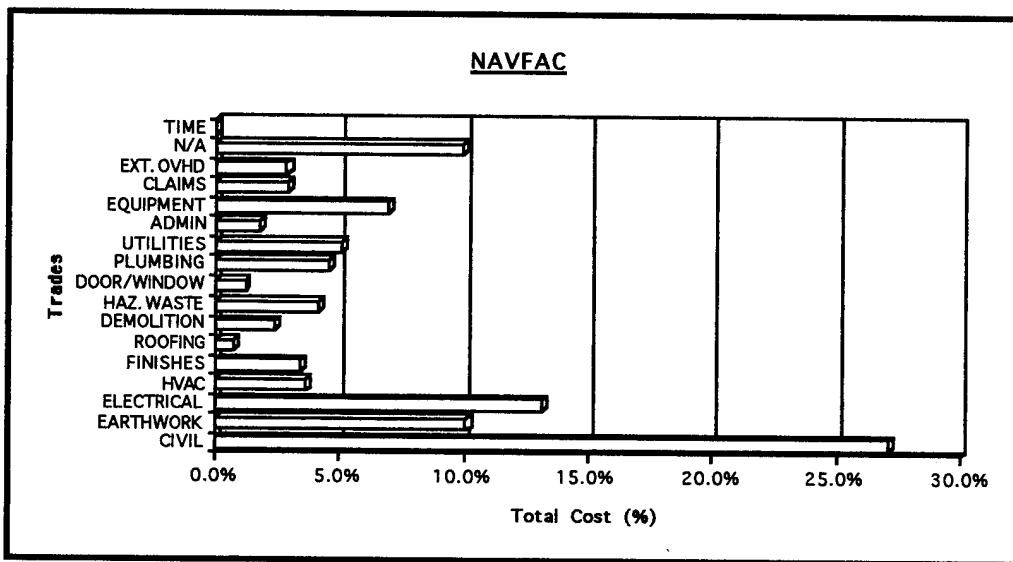


Figure 4.4: Percent Distribution of Cost by Trade

#### 4.2.2 LANTDIV.

The LANTDIV projects used for this analysis were valued at \$51,103,484. These projects had a total of 262 modifications valued at \$3,458,084 issued against them. LANTDIV's modifications averaged \$13,199 each. The average modification rate for the LANTDIV projects was calculated at 6.77%.

Table 3 shows a distribution of the modifications by reason code. The design (34.7%) and unforeseen (30.9%) reason codes were the most commonly assigned codes. The cost distribution showed the unforeseen (37.4%), design (27.3%), plan (18.1%) and customer requested (11.1%) changes making up almost 90% of the total cost. Figures 4.5 and 4.6 show the percent distribution of the modifications by reason code and its corresponding cost, respectively.

Reason Code	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
UNFO	81	30.9%	\$1,294,990	37.4%	\$15,988
DSGN	91	34.7%	944,291	27.3%	\$10,377
CREQ	25	9.5%	384,935	11.1%	\$15,397
CRIT	16	6.1%	293,019	8.5%	\$18,314
IDEA	12	4.6%	(125,535)	-3.6%	(\$10,461)
PLAN	9	3.4%	625,590	18.1%	\$69,510
ERROR	1	0.4%	8,766	0.3%	\$8,766
ADMIN	19	7.3%	4,973	0.1%	\$262
CLAIM	5	1.9%	41,819	1.2%	\$8,364
TIME	1	0.4%	0	0.0%	\$0
VALUE	2	0.8%	(14,764)	-0.4%	(\$7,382)
SCOPE	0	0.0%	0	0.0%	\$0
<i>Totals</i>	262	100%	\$3,458,084	100%	\$13,199

Table 3: LANTDIV's Modifications by Reason Code

At \$69,510 per modification, the plan reason code was the only category with a significantly higher average cost per modification than LANTDIV's overall average.

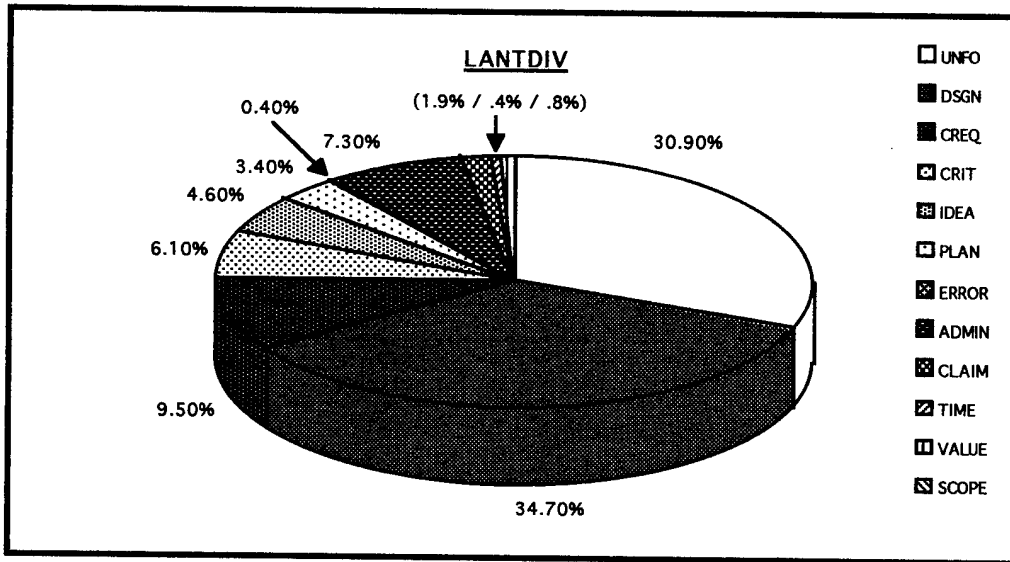


Figure 4.5: Distribution of Modifications by Reason Code

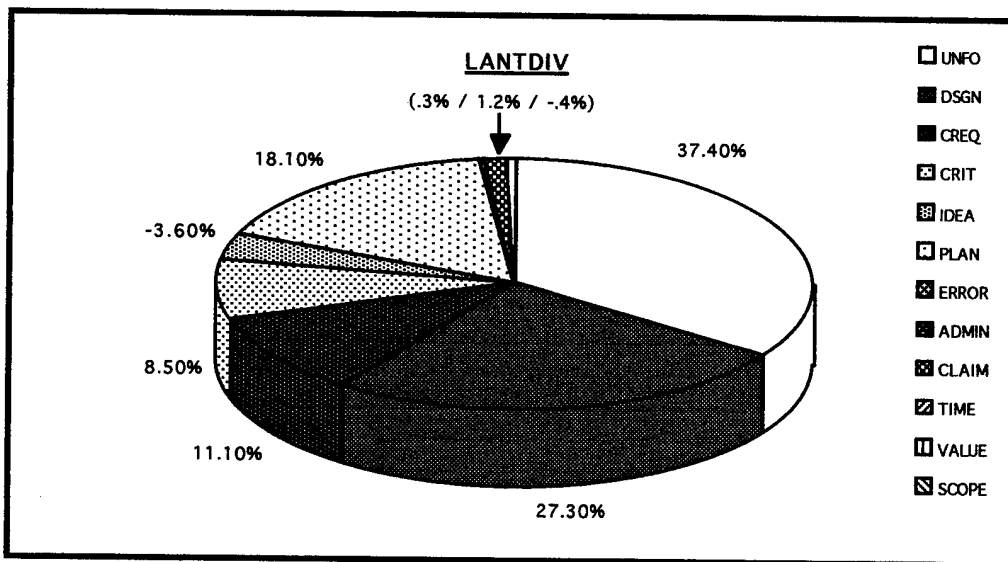


Figure 4.6: Percent Distribution of Cost by Reason Code



The distribution of the modifications by trade is shown in Table 4. The civil (17.2%), electrical (14.5%), earthwork (13.0%) and utilities (10.7%) related changes compromised more than 50% of all changes issued. Approximately 60% of the cost of all modifications was accounted for in the earthwork (30.8%), electrical (18.6%) and civil (11.2%) related changes. Figures 4.7 and 4.8 show the percent distribution of these modifications by trade and its corresponding cost, respectively.

Trades	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
CIVIL	45	17.2%	\$385,714	11.2%	\$8,571
EARTHWORK	34	13.0%	\$1,066,062	30.8%	\$31,355
ELECTRICAL	38	14.5%	\$643,244	18.6%	\$16,927
HVAC	20	7.6%	\$98,025	2.8%	\$4,901
FINISHES	13	5.0%	\$104,336	3.0%	\$8,026
ROOFING	3	1.1%	(\$2,307)	-0.1%	(\$769)
DEMOLITION	5	1.9%	\$103,640	3.0%	\$20,728
HAZ. WASTE	8	3.1%	\$157,186	4.5%	\$19,648
DOOR/WINDOW	6	2.3%	\$32,062	0.9%	\$5,344
PLUMBING	19	7.3%	\$250,194	7.2%	\$13,168
UTILITIES	28	10.7%	\$330,044	9.5%	\$11,787
ADMIN	19	7.3%	\$4,973	0.1%	\$262
EQUIPMENT	4	1.5%	\$42,081	1.2%	\$10,520
CLAIMS	6	2.3%	\$44,748	1.3%	\$7,458
EXT. OVHD	1	0.4%	\$87,500	2.5%	\$87,500
N/A	11	4.2%	\$110,582	3.2%	\$10,053
TIME	2	0.8%	\$0	0.0%	\$0
<b>TOTALS</b>	<b>262</b>	<b>100.0%</b>	<b>\$3,458,084</b>	<b>100.0%</b>	<b>\$13,199</b>

Table 4: LANTDIV's Modifications by Trades

The trades with higher average costs per change than LANTDIV's overall average were extended overhead (\$87,500) and earthwork (\$31,355).

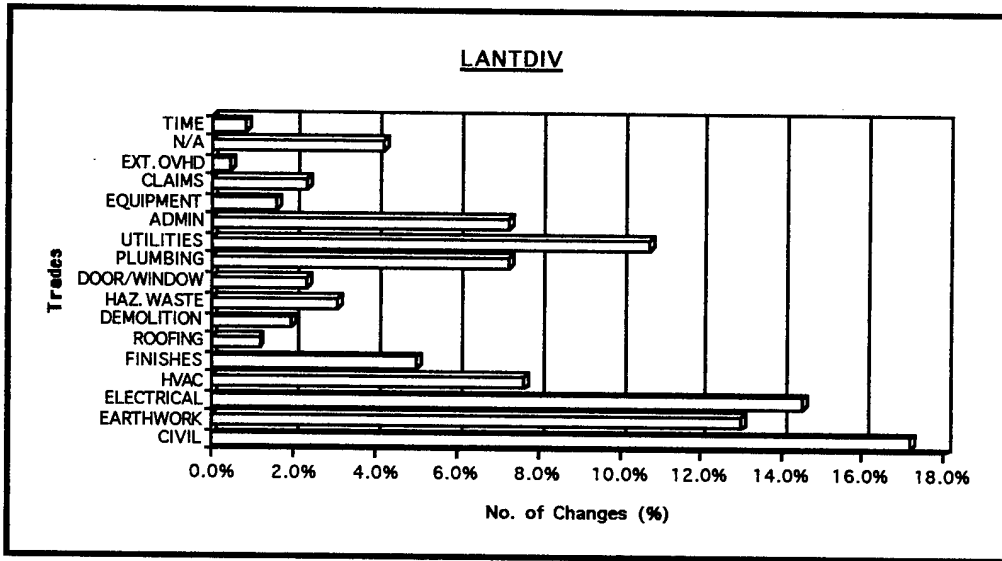


Figure 4.7: Distribution of Modifications by Trade

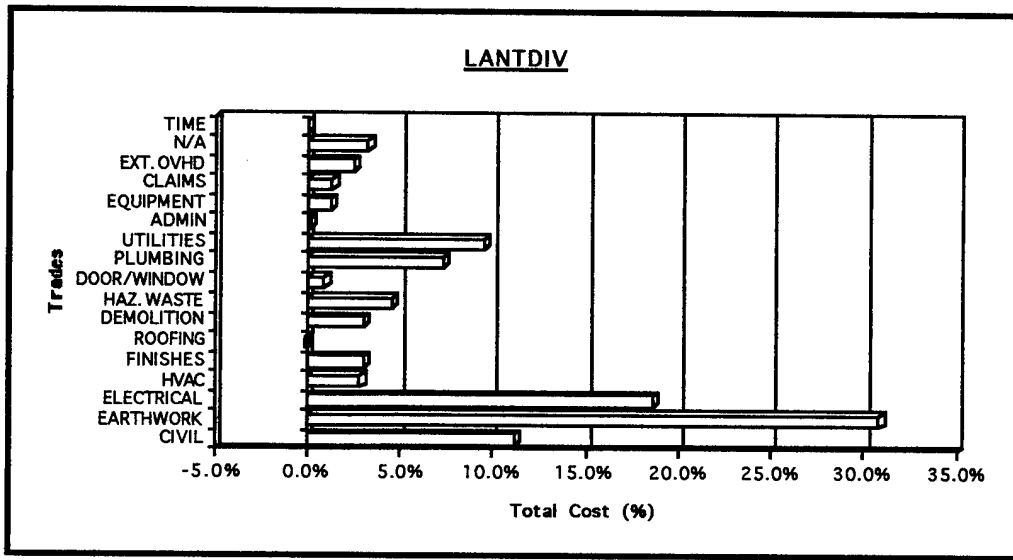


Figure 4.8: Percent Distribution of Cost by Trade

#### 4.2.3 SOUTHDIV.

The SOUTHDIV contracts analyzed for this study were valued at \$55,772,937. A total of 303 contract modifications valued at \$2,205,200 were issued against these contracts. At \$7,278 per modification, SOUTHDIV had the lowest average cost per modification of all the EFD/EFA's. In addition, SOUTHDIV's projects had the lowest average modification rate at 3.95%.

The breakdown of these modifications by reason code is shown in Table 5. The most commonly used reason codes were the design (38.9%), unforeseen (23.8%) and customer requested (13.29%) codes. One interesting observation is the high number of administrative (13.2%) modifications issued. Almost 87% of the cost for all modifications was attributed to three types of modifications: design (34.9%), unforeseen (29.6%) and customer requested (22.6%). Figures 4.9 and 4.10 show the percent distribution of the modifications by reason code and its corresponding cost, respectively.

Reason Code	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
UNFO	72	23.8%	\$653,794	29.6%	\$9,080
DSGN	118	38.9%	769,658	34.9%	\$6,523
CREQ	40	13.2%	499,380	22.6%	\$12,485
CRIT	3	1.0%	2,973	0.1%	\$991
IDEA	0	0.0%	0	0.0%	\$0
PLAN	1	0.3%	2,990	0.1%	\$2,990
ERROR	9	3.0%	98,752	4.5%	\$10,972
ADMIN	40	13.2%	156,184	7.1%	\$3,905
CLAIM	3	1.0%	55,885	2.5%	\$18,628
TIME	12	4.0%	0	0.0%	\$0
VALUE	3	1.0%	(27,333)	-1.2%	(\$9,111)
SCOPE	2	0.7%	(7,083)	-0.3%	(\$3,542)
<b>Totals</b>	<b>303</b>	<b>100%</b>	<b>\$2,205,200</b>	<b>100%</b>	<b>\$7,278</b>

Table 5: SOUTHDIV's Modifications by Reason Code

At \$18,628 per change, the claims reason code had a considerable higher cost per modification average than SOUTHDIV's overall average.

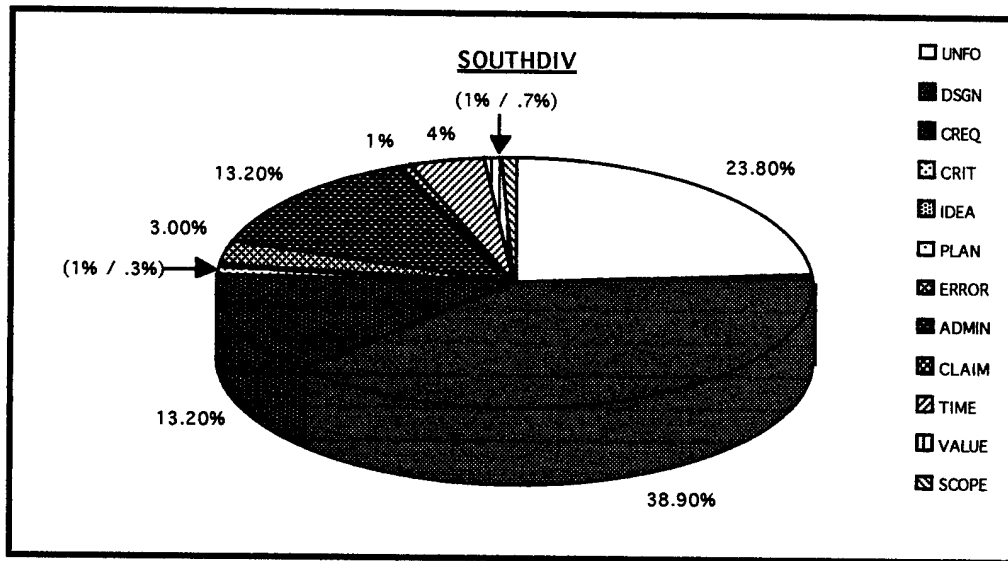


Figure 4.9: Distribution of Modifications by Reason Code

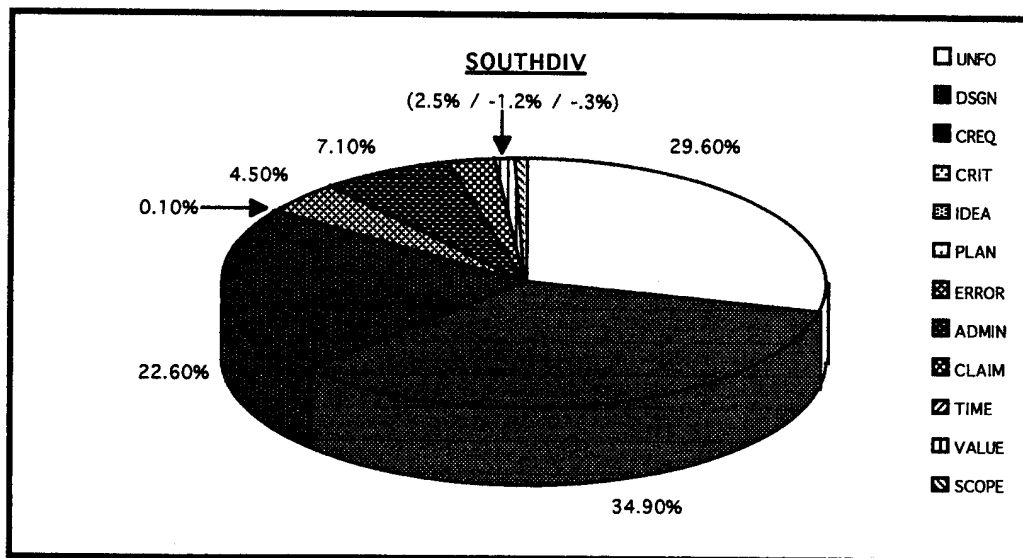


Figure 4.10: Percent Distribution of Cost by Reason Code

The breakdown of the modifications by trade is shown in Table 6. The civil (30.7%), electrical (13.5%) and administrative (13.9%) changes were the most common types of changes issued. On the other hand, 56% of the total cost for all modifications was attributed to civil (25.9%), electrical (19.5%) and earthwork (11.0%) related changes. Figures 4.11 and 4.12 show the percent distribution of the modifications by trade and its corresponding cost, respectively.

Trades	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
CIVIL	93	30.7%	\$571,605	25.9%	\$6,146
EARTHWORK	11	3.6%	\$242,264	11.0%	\$22,024
ELECTRICAL	41	13.5%	\$430,820	19.5%	\$10,508
HVAC	14	4.6%	\$69,935	3.2%	\$4,995
FINISHES	13	4.3%	\$61,821	2.8%	\$4,755
ROOFING	6	2.0%	\$26,018	1.2%	\$4,336
DEMOLITION	5	1.7%	\$10,163	0.5%	\$2,033
HAZ. WASTE	5	1.7%	\$20,407	0.9%	\$4,081
DOOR/WINDOW	13	4.3%	\$39,914	1.8%	\$3,070
PLUMBING	14	4.6%	\$122,502	5.6%	\$8,750
UTILITIES	18	5.9%	\$140,566	6.4%	\$7,809
ADMIN	42	13.9%	\$163,543	7.4%	\$3,894
EQUIPMENT	11	3.6%	\$78,290	3.6%	\$7,117
CLAIMS	3	1.0%	\$55,885	2.5%	\$18,628
EXT. OVHD	3	1.0%	\$171,467	7.8%	\$57,156
N/A	0	0.0%	\$0	0.0%	\$0
TIME	11	3.6%	\$0	0.0%	\$0
<b>TOTALS</b>	<b>303</b>	<b>100.0%</b>	<b>\$2,205,200</b>	<b>100.0%</b>	<b>\$7,278</b>

Table 6: SOUTHDIV's Modifications by Trade

There were 3 types of modifications with significantly higher cost per modification averages than SOUTHDIV's overall average. These included extended overhead (\$57,156), earthwork (\$22,024) and claims (\$18,628) related changes.

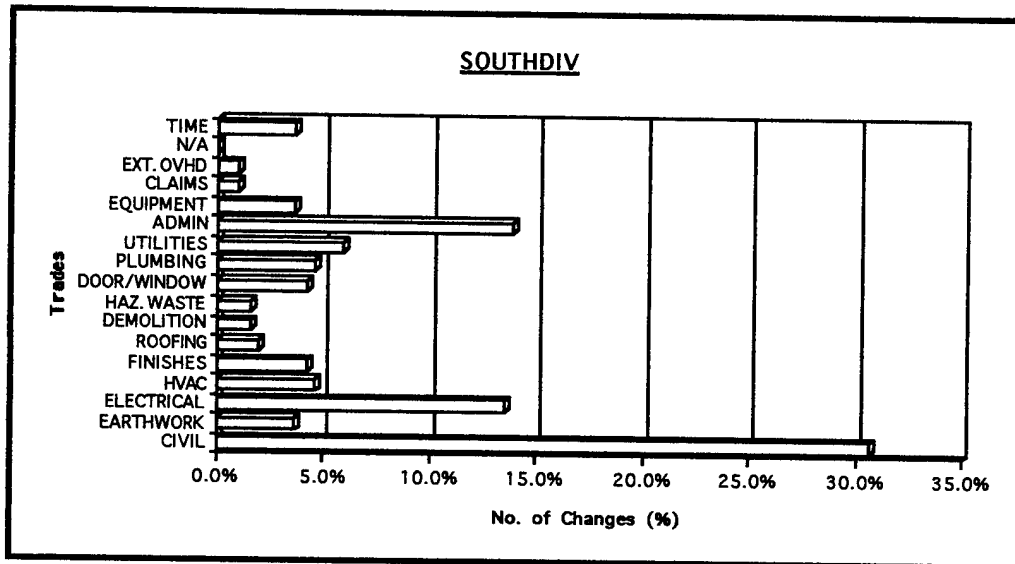


Figure 4.11: Distribution of Modifications by Trade

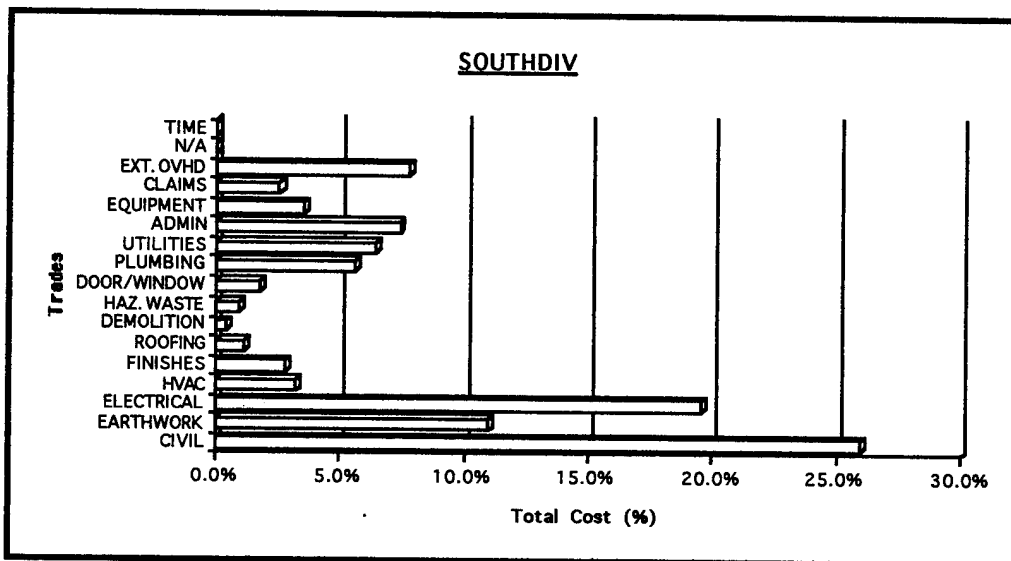


Figure 4.12: Percent Distribution of Cost by Trade

#### 4.2.4 NORTHDIV.

The NORTHDIV projects analyzed were valued at \$53,918,755. A total of 273 contract modifications valued at \$3,806,538 were issued against these projects. The average cost per modification was the second highest at \$13,943. NORTHDIV had the second highest average modification rate at 7.06%.

The distribution of these modifications by reason code is shown in Table 7. The most common types of modifications included design (39.6%), unforeseen (33.7%) and administrative (10.3%). Of these modifications the unforeseen (46.9%), design (31.7%) and plan (14.4%) changes accounted for almost 93% of the cost of all modification issued. Figures 4.13 and 4.14 show the percent distribution of these modifications by reason code and its corresponding cost, respectively.

Reason Code	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
UNFO	92	33.7%	\$1,784,943	46.9%	\$19,402
DSGN	108	39.6%	1,207,016	31.7%	\$11,176
CREQ	17	6.2%	133,687	3.5%	\$7,864
CRIT	5	1.8%	201,724	5.3%	\$40,345
IDEA	0	0.0%	0	0.0%	\$0
PLAN	11	4.0%	546,606	14.4%	\$49,691
ERROR	3	1.1%	11,618	0.3%	\$3,873
ADMIN	28	10.3%	13,316	0.3%	\$476
CLAIM	1	0.4%	100,910	2.7%	\$100,910
TIME	5	1.8%	0	0.0%	\$0
VALUE	3	1.1%	(193,282)	-5.1%	(\$64,427)
SCOPE	0	0.0%	0	0.0%	\$0
<b>Totals</b>	<b>273</b>	<b>100%</b>	<b>\$3,806,538</b>	<b>100%</b>	<b>\$13,943</b>

Table 7: NORTHDIV's Modifications by Reason Code

There were 3 types of modification with significantly higher cost per modification averages than NORTHDIV's overall average. These included claim (\$100,910), plan (\$49,691) and criteria (\$40,345) changes.

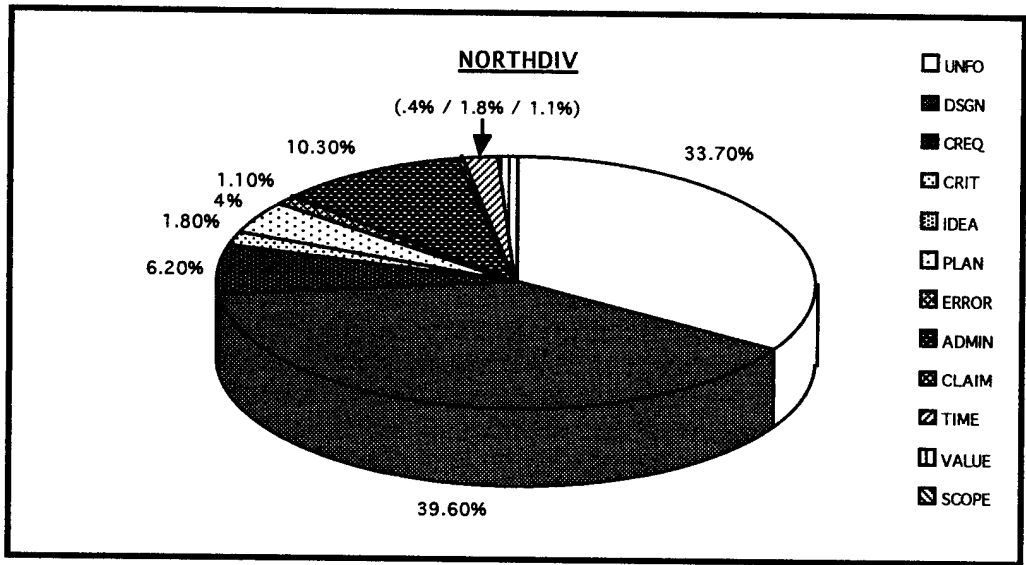


Figure 4.13: Distribution of Modifications by Reason Code

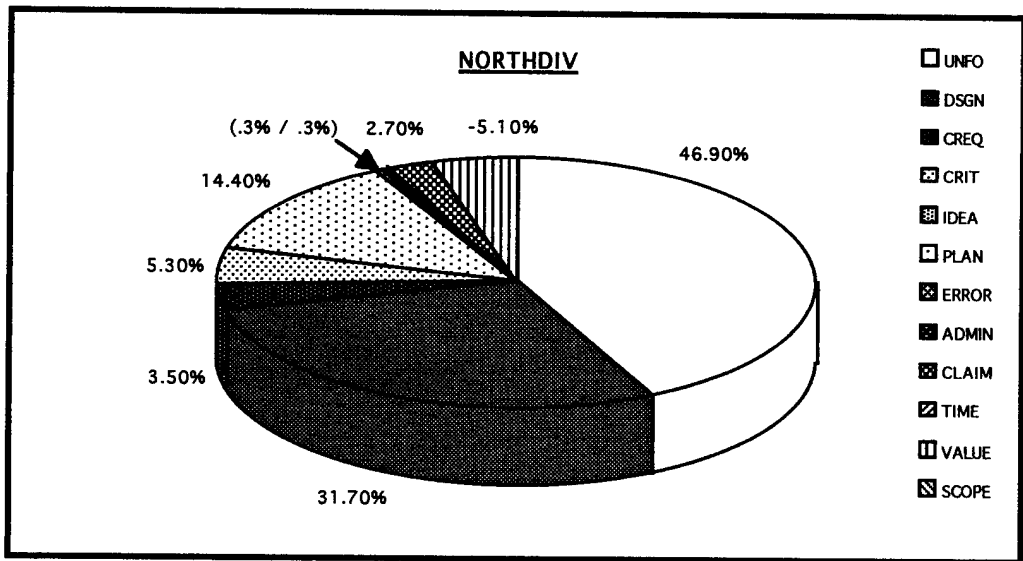


Figure 4.14: Percent Distribution of Cost by Reason Code



The breakdown of the modifications by trade is summarized in Table 8. The electrical (20.1%), civil (14.7%) and administrative (11.0%) related changes were the most commonly involved in modifications. The costs were well distributed between the different trades except for earthwork (19.9%) and electrical (19.2%) related changes that accounted for approximately 40% of the total cost for all modifications. Figures 4.15 and 4.16 show the percent distributions of these modifications by trade and its corresponding cost, respectively.

Trades	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
CIVIL	40	14.7%	\$103,157	2.7%	\$2,579
EARTHWORK	14	5.1%	\$756,075	19.9%	\$54,005
ELECTRICAL	55	20.1%	\$731,064	19.2%	\$13,292
HVAC	8	2.9%	\$252,627	6.6%	\$31,578
FINISHES	18	6.6%	\$163,993	4.3%	\$9,111
ROOFING	7	2.6%	\$43,913	1.2%	\$6,273
DEMOLITION	11	4.0%	\$232,462	6.1%	\$21,133
HAZ. WASTE	7	2.6%	\$199,758	5.2%	\$28,537
DOOR/WINDOW	6	2.2%	\$5,263	0.1%	\$877
PLUMBING	22	8.1%	\$224,481	5.9%	\$10,204
UTILITIES	15	5.5%	\$251,349	6.6%	\$16,757
ADMIN	30	11.0%	\$146,614	3.9%	\$4,887
EQUIPMENT	5	1.8%	\$294,218	7.7%	\$58,844
CLAIMS	0	0.0%	\$0	0.0%	\$0
EXT. OVHD	8	2.9%	\$298,133	7.8%	\$37,267
N/A	21	7.7%	\$103,431	2.7%	\$4,925
TIME	6	2.2%	\$0	0.0%	\$0
<b>TOTALS</b>	<b>273</b>	<b>100.0%</b>	<b>\$3,806,538</b>	<b>100.0%</b>	<b>\$13,943</b>

Table 8: NORTHDIV's Modifications by Trade

There were 5 types of modifications that had a much higher average cost per modification than NORTHDIV's overall average. These included equipment installation (\$58,844), earthwork (\$54,005), extended overhead (\$37,267), HVAC (\$31,578) and hazardous waste removal (\$28,537) modifications.

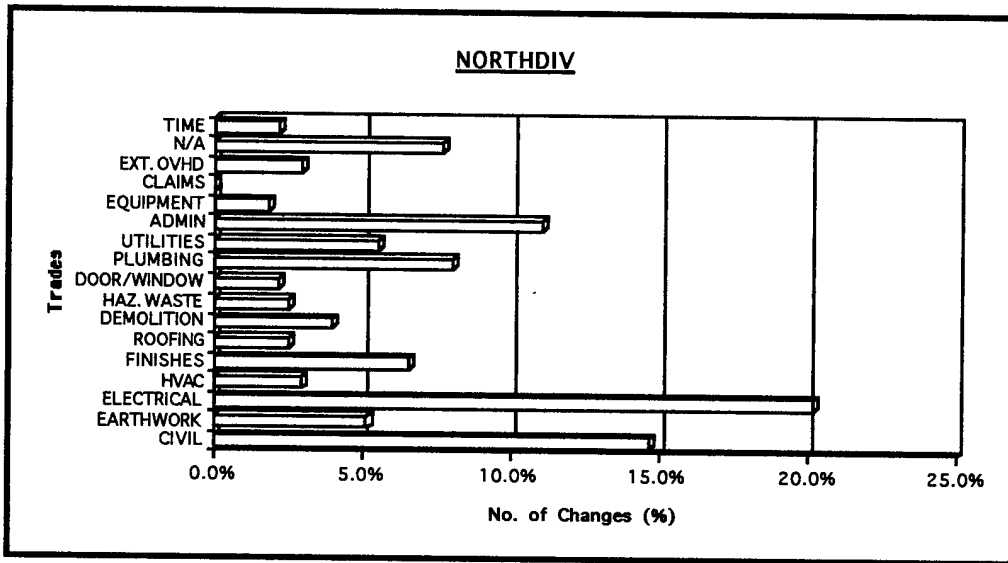


Figure 4.15: Distribution of Modifications by Trade

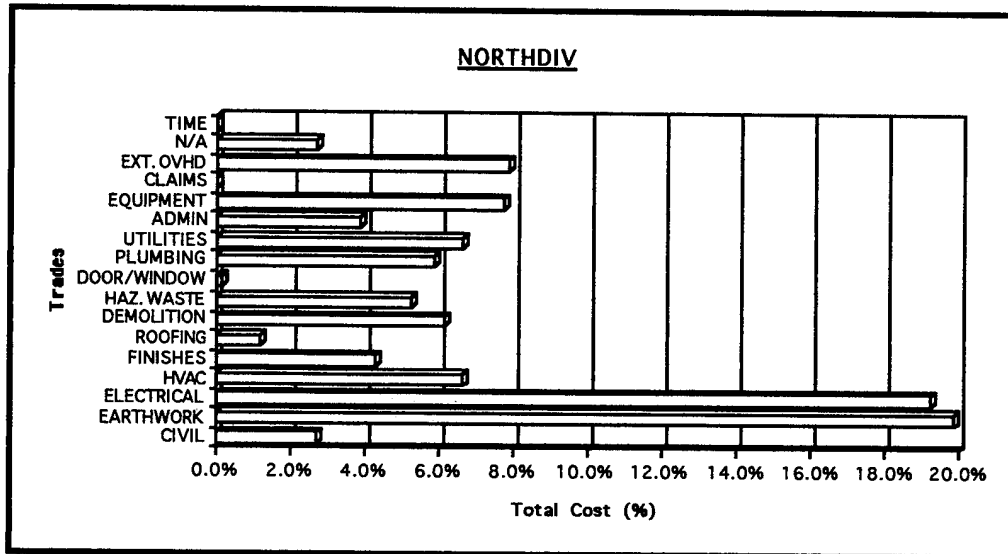


Figure 4.16: Percent Distribution of Cost by Trade

#### 4.2.5 PACDIV.

The PACDIV contracts used for this study had a value of \$75,411,478. A total of 264 modifications valued at \$4,281,374 were reviewed. PACDIV had the highest cost per modification average (\$16,217) of all the EFD/EFA's. The average modification rate for PACDIV's projects was calculated at 5.68%.

The distribution of the modifications by reason code is shown in Table 9. The most common types of reason codes used for modifications were the unforeseen (45.8%) and design (26.9%). The bulk of the cost, almost 90%, was attributed to unforeseen (32.2%), customer requested (31.7%) and design (27.7%) changes. Figures 4.17 and 4.19 show the percent distribution of these modifications by reason code and its corresponding cost, respectively.

Reason Code	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
UNFO	121	45.8%	\$1,380,420	32.2%	\$11,408
DSGN	71	26.9%	1,183,879	27.7%	\$16,674
CREQ	23	8.7%	1,356,661	31.7%	\$58,985
CRIT	16	6.1%	388,236	9.1%	\$24,265
IDEA	0	0.0%	0	0.0%	\$0
PLAN	1	0.4%	7,525	0.2%	\$7,525
ERROR	3	1.1%	54,585	1.3%	\$18,195
ADMIN	14	5.3%	(36,800)	-0.9%	(\$2,629)
CLAIM	0	0.0%	0	0.0%	\$0
TIME	4	1.5%	0	0.0%	\$0
VALUE	9	3.4%	(80,511)	-1.9%	(\$8,946)
SCOPE	2	0.8%	27,379	0.6%	\$13,690
<b>Totals</b>	<b>264</b>	<b>100%</b>	<b>\$4,281,374</b>	<b>100%</b>	<b>\$16,217</b>

Table 9: PACDIV's Modifications by Reason Code

Only the customer requested (\$58,985) modifications had a significantly higher cost per modification average than PACDIV's overall average.

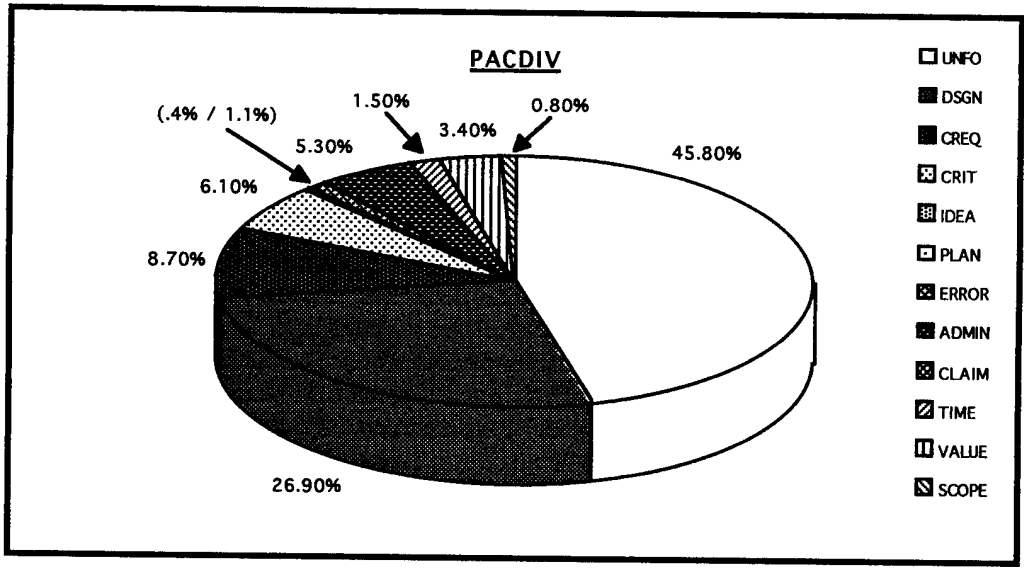


Figure 4.17: Distribution of Modifications by Reason Code

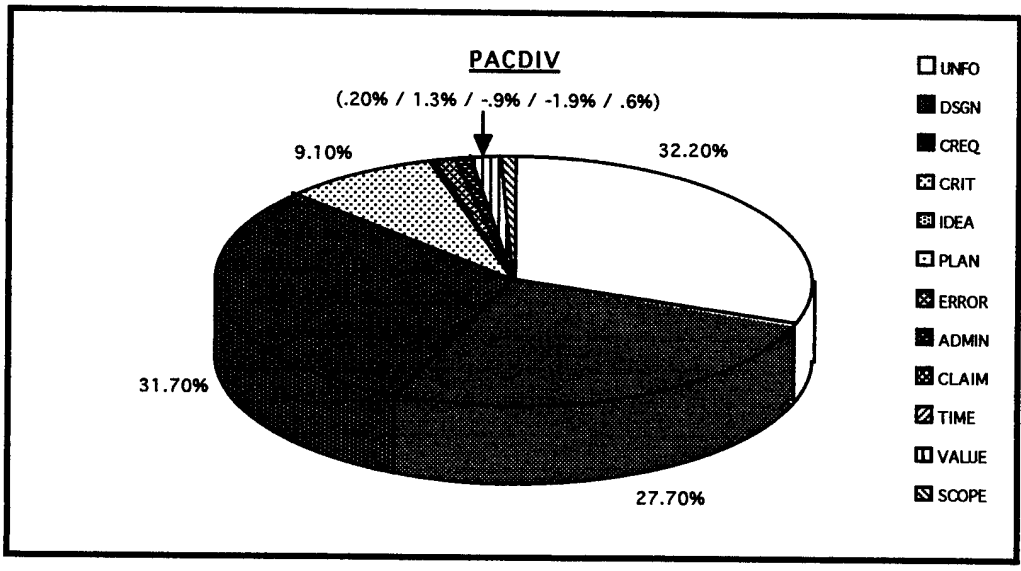


Figure 4.18: Percent Distribution of Cost by Reason Code

The distribution of these modifications by trade involved is shown in Table 10. The by trade analysis performed for this division was not considered very reliable due to the high percentage (16.3%) of modification classified as information not available (n/a). The only other trade that was involved in more than 10% of the modifications was the civil (20.1%) trade. The data was also unreliable for the total cost per trade analysis since 40.5% of the total cost was attributed to the information not available category (n/a). The civil trade accounted for 25.8% of the total cost. Figures 4.19 and 4.20 show the percent distribution of these modifications by trade and its corresponding cost, respectively.

Trades	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
CIVIL	53	20.1%	\$1,102,952	25.8%	\$20,810
EARTHWORK	24	9.1%	\$172,502	4.0%	\$7,188
ELECTRICAL	22	8.3%	\$202,550	4.7%	\$9,207
HVAC	5	1.9%	\$18,390	0.4%	\$3,678
FINISHES	14	5.3%	\$315,394	7.4%	\$22,528
ROOFING	3	1.1%	(\$223)	0.0%	(\$74)
DEMOLITION	16	6.1%	\$219,302	5.1%	\$13,706
HAZ. WASTE	7	2.7%	\$102,772	2.4%	\$14,682
DOOR/WINDOW	2	0.8%	(\$24,325)	-0.6%	(\$12,163)
PLUMBING	15	5.7%	\$96,880	2.3%	\$6,459
UTILITIES	20	7.6%	\$198,579	4.6%	\$9,929
ADMIN	19	7.2%	(\$17,700)	-0.4%	(\$932)
EQUIPMENT	10	3.8%	\$30,316	0.7%	\$3,032
CLAIMS	0	0.0%	\$0	0.0%	\$0
EXT. OVHD	9	3.4%	\$131,352	3.1%	\$14,595
N/A	43	16.3%	\$1,732,633	40.5%	\$40,294
TIME	2	0.8%	\$0	0.0%	\$0
<b>TOTALS</b>	<b>264</b>	<b>100.0%</b>	<b>\$4,281,374</b>	<b>100.0%</b>	<b>\$16,217</b>

Table 10: PACDIV's Modifications by Trade

The data was unreliable to analyze the average cost per modification by trade for the PACDIV projects.

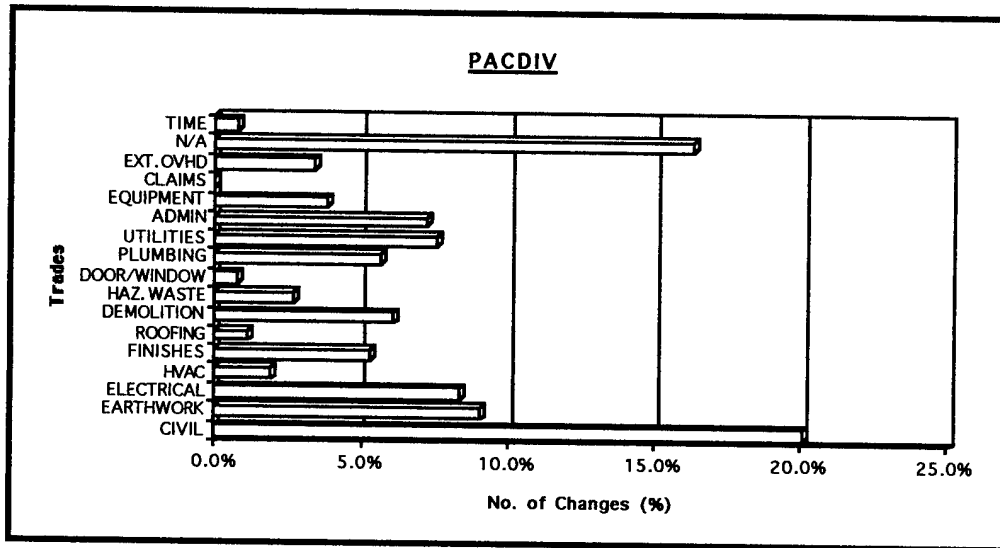


Figure 4.19: Distribution of Modifications by Trade

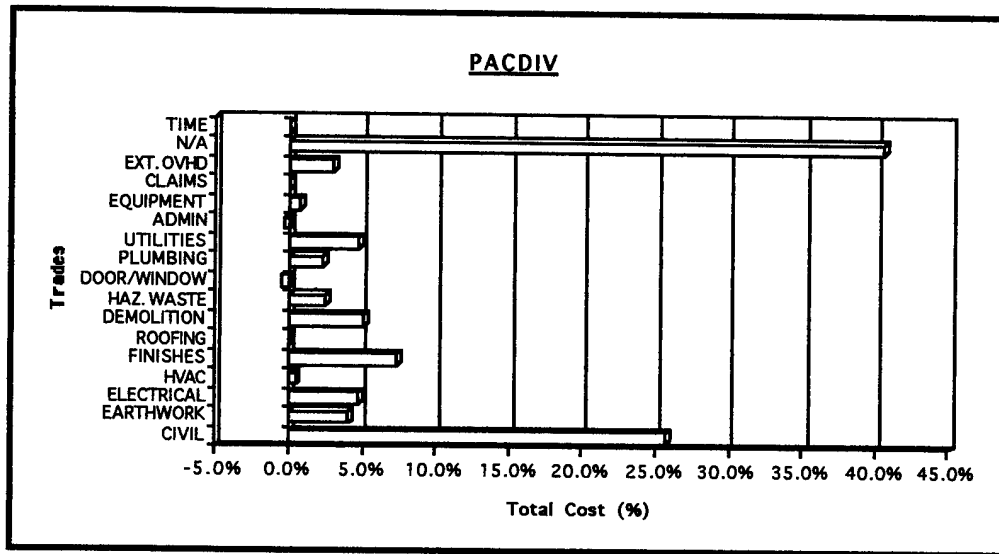


Figure 4.20: Percent Distribution of Cost by Trade

#### 4.2.6 SOUTHWESTDIV.

The SOUTHDIV contracts used for this analysis were valued at \$58,228,829. These contracts had a total of 345 modifications valued at \$2,903,846 issued against them. The average cost per modification was the second lowest at \$8,417. SOUTHWESTDIV had the third lowest average modification rate at 4.99%.

The distribution of the modifications by reason code is shown in Table 11. Of the modification issued, the design (47.0%), unforeseen (18.8%) and customer requested (11.0%) reason codes were the most commonly assigned. Most of the total cost for the modifications was made up by design (43.3%) and unforeseen (39.9%) changes. It is also interesting to note that scope changes made up almost 10.0% of the total cost. Figures 4.21 and 4.22 show the percent distribution of changes by reason code and its corresponding cost, respectively.

Reason Code	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
UNFO	65	18.8%	\$1,158,548	39.9%	\$17,824
DSGN	162	47.0%	1,258,061	43.3%	\$7,766
CREQ	38	11.0%	59,515	2.0%	\$1,566
CRIT	25	7.2%	39,893	1.4%	\$1,596
IDEA	2	0.6%	(1,505)	-0.1%	(\$753)
PLAN	3	0.9%	4,155	0.1%	\$1,385
ERROR	0	0.0%	0	0.0%	\$0
ADMIN	32	9.3%	0	0.0%	\$0
CLAIM	5	1.4%	132,601	4.6%	\$26,520
TIME	4	1.2%	0	0.0%	\$0
VALUE	2	0.6%	(29,630)	-1.0%	(\$14,815)
SCOPE	7	2.0%	282,208	9.7%	\$40,315
<b>Totals</b>	<b>345</b>	<b>100%</b>	<b>\$2,903,846</b>	<b>100%</b>	<b>\$8,417</b>

Table 11: SOUTHWESTDIV's Modifications by Reason Code

The scope (\$40,315), claims (\$26,520) and unforeseen (\$17,824) reason codes had significantly higher cost per modification averages than SOUTHWESTDIV's overall average.

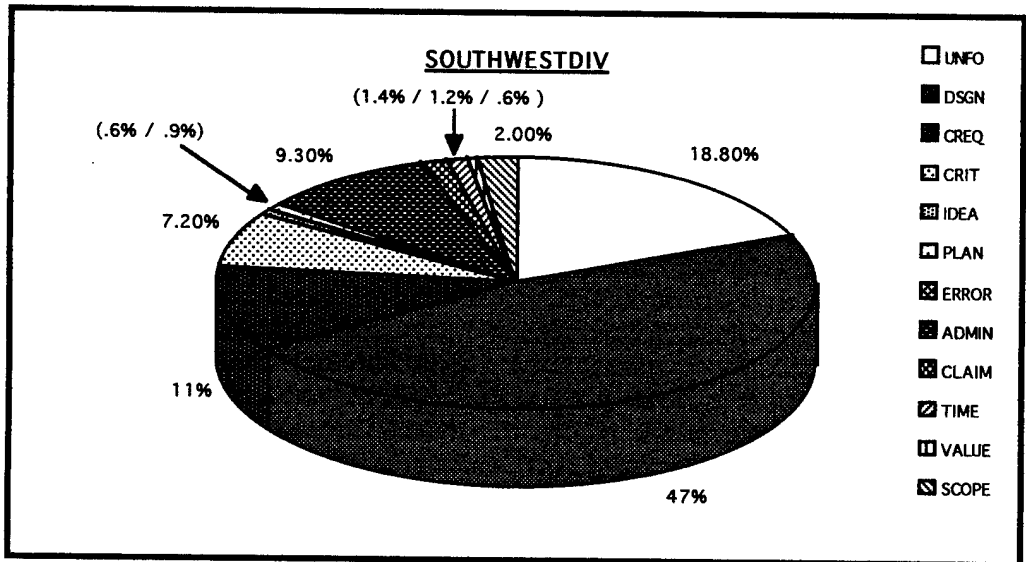


Figure 4.21: Distribution of Modifications by Reason Code

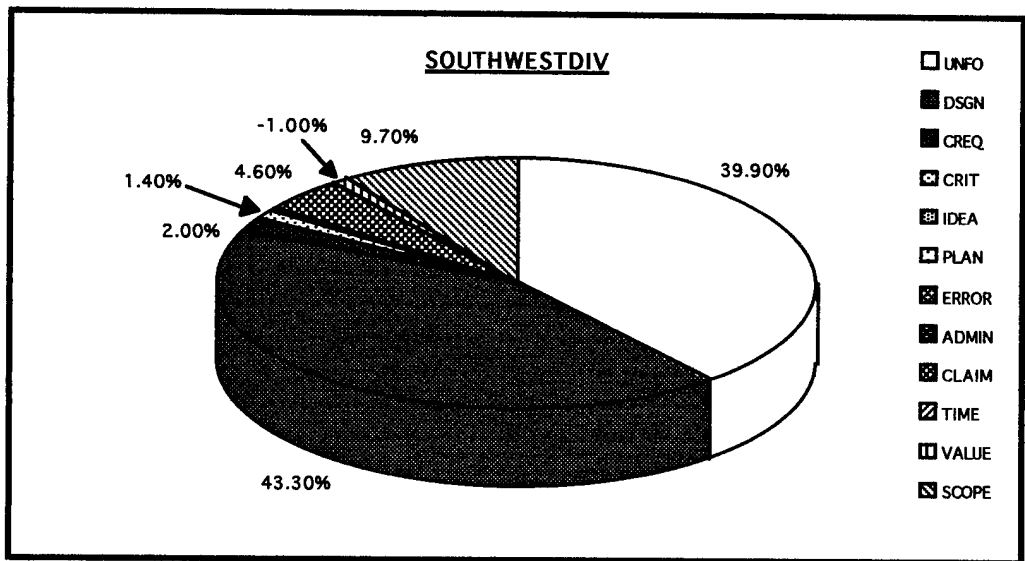


Figure 4.22: Percent Distribution of Cost by Reason Code



The distribution of these modifications by trade involved is shown in Table 12. Here again the data was not very reliable since the information not available (n/a) category compromised 25.8% of all the changes. Other trades with considerable number of changes were the civil (18.8%) and electrical (12.5%). Five trades were responsible for most of the cost of all modifications. These included civil (26.0%), earthwork (15.6%), electrical (13.9%), information not available (13.0%) and the site utilities (12.2%) trades. The high cost attributed to the information not available (n/a) category makes this analysis unreliable. Figures 4.23 and 4.24 show the percent distribution of these modifications by trade and its corresponding cost, respectively.

Trades	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
CIVIL	65	18.8%	\$754,645	26.0%	\$11,610
EARTHWORK	15	4.3%	\$452,190	15.6%	\$30,146
ELECTRICAL	43	12.5%	\$404,996	13.9%	\$9,419
HVAC	4	1.2%	\$40,331	1.4%	\$10,083
FINISHES	22	6.4%	\$81,084	2.8%	\$3,686
ROOFING	3	0.9%	\$1,152	0.0%	\$384
DEMOLITION	13	3.8%	\$83,161	2.9%	\$6,397
HAZ. WASTE	0	0.0%	\$0	0.0%	\$0
DOOR/WINDOW	10	2.9%	\$10,333	0.4%	\$1,033
PLUMBING	16	4.6%	\$98,359	3.4%	\$6,147
UTILITIES	13	3.8%	\$354,817	12.2%	\$27,294
ADMIN	32	9.3%	(\$5,000)	-0.2%	(\$156)
EQUIPMENT	6	1.7%	\$61,740	2.1%	\$10,290
CLAIMS	3	0.9%	\$58,918	2.0%	\$19,639
EXT. OVHD	7	2.0%	\$128,487	4.4%	\$18,355
N/A	89	25.8%	\$378,633	13.0%	\$4,254
TIME	4	1.2%	\$0	0.0%	\$0
<b>TOTALS</b>	<b>345</b>	<b>100.0%</b>	<b>\$2,903,846</b>	<b>100.0%</b>	<b>\$8,417</b>

Table 12: SOUTHWESTDIV's Modifications by Trade

Four categories of changes had significantly higher than average costs per modification. These included earthwork (\$30,146), site utilities (\$27,294), claims (\$19,639) and extended overhead (\$18,355) modifications.

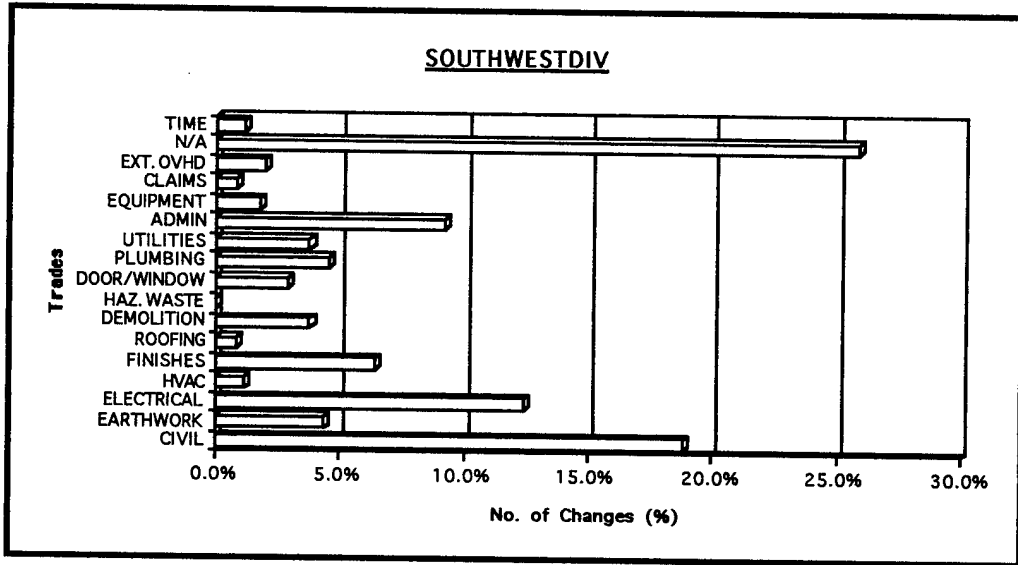


Figure 4.23: Distribution of Modifications by Trade

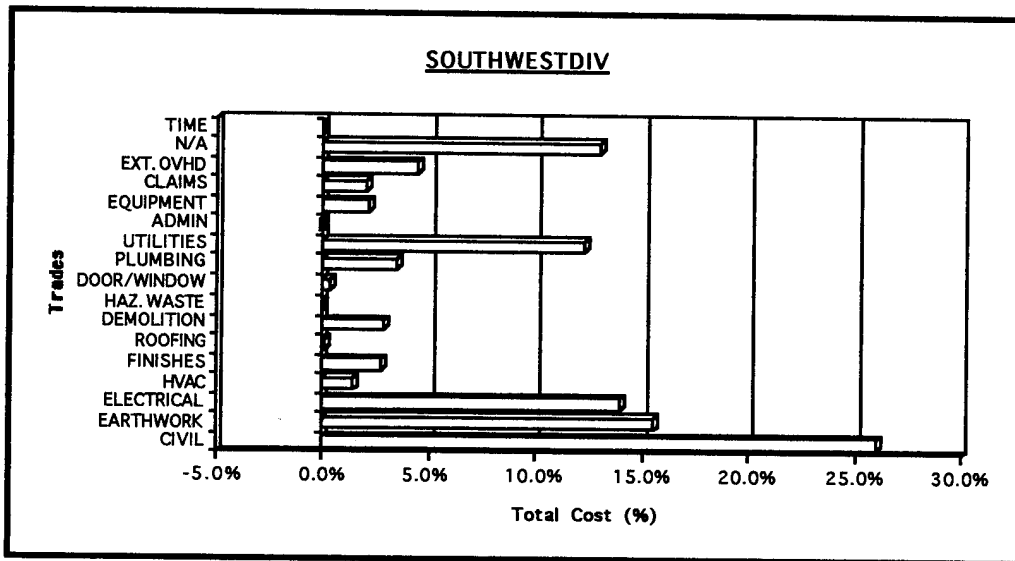


Figure 4.24: Percent Distribution of Cost by Trade

#### 4.2.7 EFA WEST.

The contracts used for the analysis of EFA WEST were valued at \$65,993,502. For these contracts a total of 385 modifications valued at \$3,869,524 were issued. The average cost per modifications was calculated at \$10,051. The average modification rate for EFA WEST's project was calculated at 5.86%.

A breakdown of the modifications by reason codes is shown in Table 13. The most common reason codes assigned included design (38.4%), unforeseen (26.5%), customer requested (16.9%) and administrative (10.1%). The total cost for the modifications was mostly attributed to the design (27.2%), unforeseen (24.2%), customer requested (22.3%) and claim (14.4%) changes. Figures 4.25 and 4.26 show the percent distribution of these modifications by reason code and its corresponding cost, respectively.

Reason Code	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
UNFO	102	26.5%	\$936,875	24.2%	\$9,185
DSGN	148	38.4%	1,053,986	27.2%	\$7,122
CREQ	65	16.9%	861,576	22.3%	\$13,255
CRIT	5	1.3%	87,600	2.3%	\$17,520
IDEA	5	1.3%	86,283	2.2%	\$17,257
PLAN	5	1.3%	341,582	8.8%	\$68,316
ERROR	0	0.0%	0	0.0%	\$0
ADMIN	39	10.1%	(19,933)	-0.5%	(\$511)
CLAIM	4	1.0%	556,205	14.4%	\$139,051
TIME	7	1.8%	0	0.0%	\$0
VALUE	5	1.3%	(34,650)	-0.9%	(\$6,930)
SCOPE	0	0.0%	0	0.0%	0
<b>Totals</b>	<b>385</b>	<b>100%</b>	<b>\$3,869,524</b>	<b>100%</b>	<b>\$10,051</b>

Table 13: EFA WEST's Modifications by Reason Code

The modifications identified with the claim (\$139,051) and plan (\$68,316) reason codes had considerable higher averages than the EFA WEST overall average.

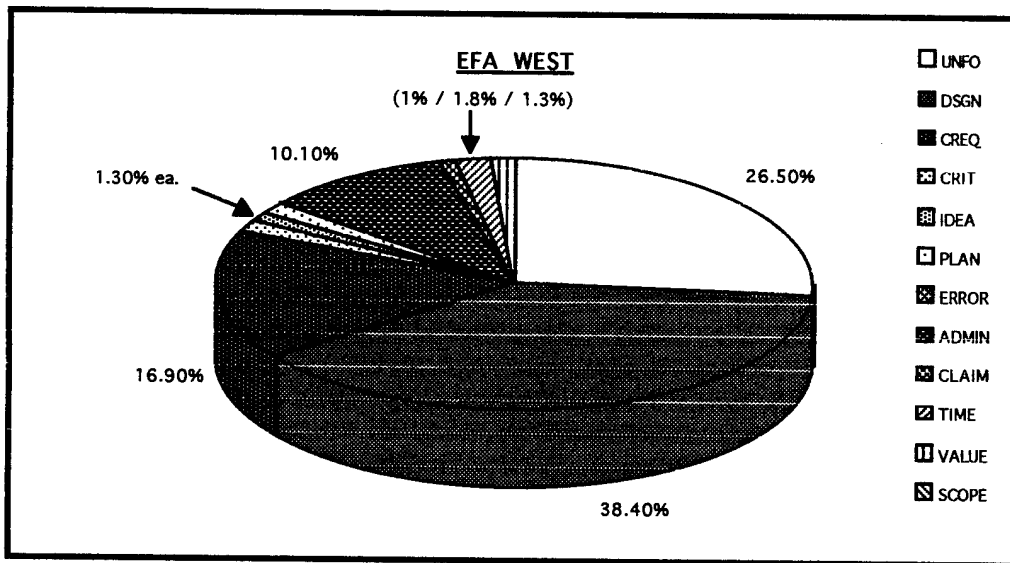


Figure 4.25: Distribution of Modifications by Reason Code

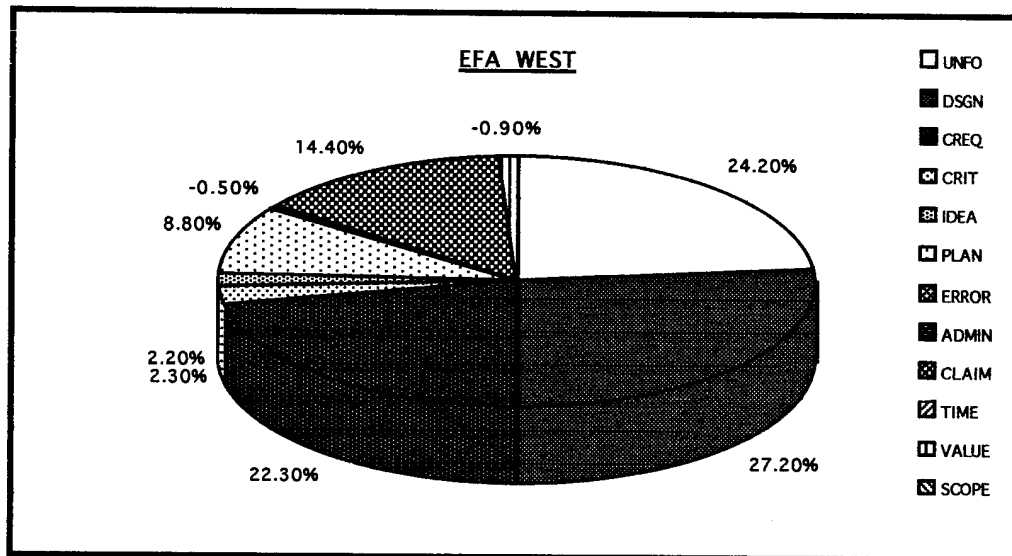


Figure 4.26: Percent Distribution of Cost by Reason Code

The distribution of the modifications by trade is shown in Table 14. The most common types of modifications involved the civil (25.5%) and electrical (17.1%) trades. In addition, almost 25% of the changes were attributed to information not available (12.7%) and administrative (11.2%) modifications. Approximately 50% of the total cost for all modifications was attributed to the civil (30.9%) and electrical (17.0%) trades. Also claims accounted for 14.6% of the total cost. Figures 4.27 and 4.28 show the percent distribution of these modifications by trade and its corresponding cost, respectively.

Trades	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
CIVIL	98	25.5%	\$1,194,433	30.9%	\$12,188
EARTHWORK	20	5.2%	\$219,870	5.7%	\$10,994
ELECTRICAL	66	17.1%	\$655,895	17.0%	\$9,938
HVAC	11	2.9%	\$59,044	1.5%	\$5,368
FINISHES	15	3.9%	\$76,118	2.0%	\$5,075
ROOFING	13	3.4%	\$109,088	2.8%	\$8,391
DEMOLITION	2	0.5%	\$5,214	0.1%	\$2,607
HAZ. WASTE	3	0.8%	\$59,997	1.6%	\$19,999
DOOR/WINDOW	15	3.9%	\$158,628	4.1%	\$10,575
PLUMBING	29	7.5%	\$192,004	5.0%	\$6,621
UTILITIES	3	0.8%	\$8,049	0.2%	\$2,683
ADMIN	43	11.2%	\$162,949	4.2%	\$3,790
EQUIPMENT	4	1.0%	\$26,421	0.7%	\$6,605
CLAIMS	5	1.3%	\$566,282	14.6%	\$113,256
EXT. OVHD	2	0.5%	\$19,272	0.5%	\$9,636
N/A	49	12.7%	\$356,260	9.2%	\$7,271
TIME	7	1.8%	\$0	0.0%	\$0
<b>TOTALS</b>	<b>385</b>	<b>100.0%</b>	<b>\$3,869,524</b>	<b>100.0%</b>	<b>\$10,051</b>

Table 14: EFA WEST's Modifications by Trade

Higher than average cost per modification were identified for claims (\$113,256) and hazardous waste (\$19,999) work.

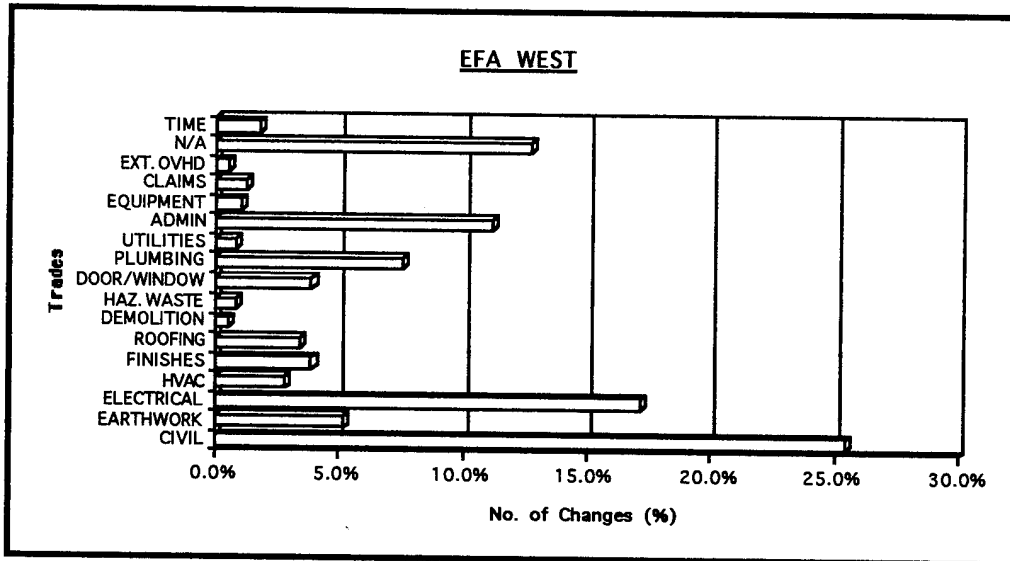


Figure 4.27: Distribution of Modifications by Trade

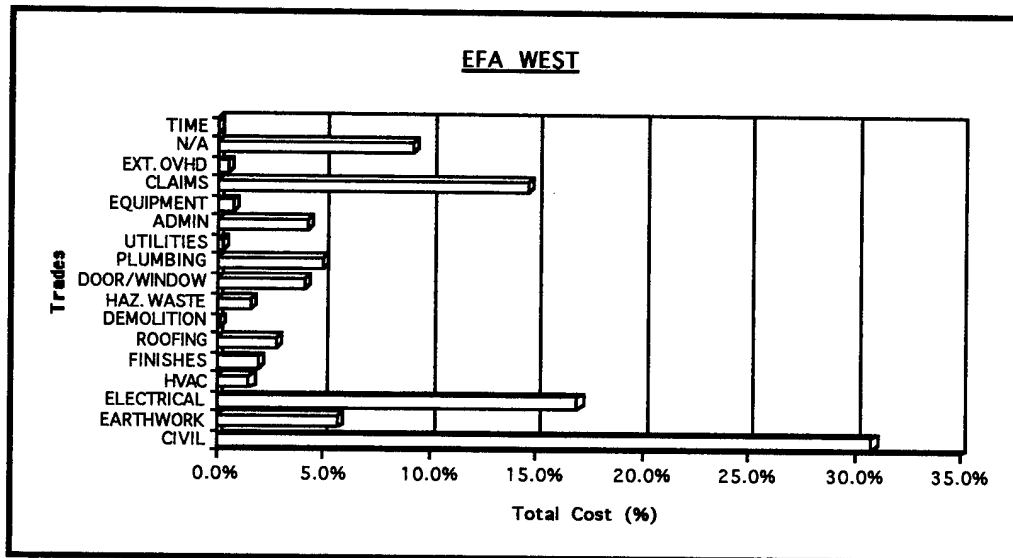


Figure 4.28: Percent Distribution of Cost by Trade

#### 4.2.8 EFA MIDWEST.

The EFA MIDWEST projects used for this study were valued at \$76,081,940. A total of 303 contract modifications totaling \$3,776,926 were issued against these projects. The average cost per modification was \$12,465. The average modification rate for the EFA MIDWEST projects was the second lowest at 4.96%.

The distribution of these modifications by reason code is shown in Table 15. The design (44.9%) and unforeseen (28.1%) codes were the most commonly assigned reason codes. In addition the criteria and administrative changes totaled almost 10% each of the total modifications. The design (35.6%), unforeseen (25.1%) and criteria (21.2%) changes made up most of the total cost for all modifications. Figures 4.29 and 4.30 show the percent distribution of these changes by reason code and its corresponding cost, respectively.

Reason Code	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
UNFO	85	28.1%	\$948,018	25.1%	\$11,153
DSGN	136	44.9%	1,343,474	35.6%	\$9,878
CREQ	2	0.7%	310,875	8.2%	\$155,438
CRIT	28	9.2%	802,280	21.2%	\$28,653
IDEA	0	0.0%	0	0.0%	\$0
PLAN	6	2.0%	266,919	7.1%	\$44,487
ERROR	4	1.3%	41,027	1.1%	\$10,257
ADMIN	29	9.6%	44,822	1.2%	\$1,546
CLAIM	4	1.3%	29,096	0.8%	\$7,274
TIME	4	1.3%	0	0.0%	\$0
VALUE	4	1.3%	(26,237)	-0.7%	(\$6,559)
SCOPE	1	0.3%	16,652	0.4%	\$16,652
<b>Totals</b>	<b>303</b>	<b>100%</b>	<b>\$3,776,926</b>	<b>100%</b>	<b>\$12,465</b>

Table 15: EFA WEST's Modifications by Reason Code

Modifications with significantly higher than the overall EFA MIDWEST average cost per modification included customer requested (\$155,438) and plan (\$44,487) changes.

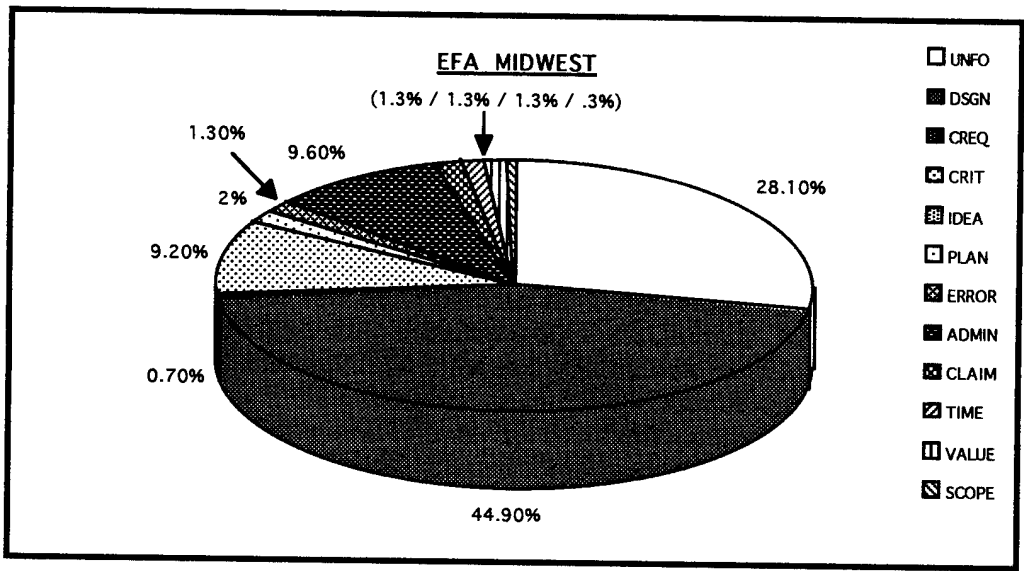


Figure 4.29: Distribution of Modifications by Reason Code

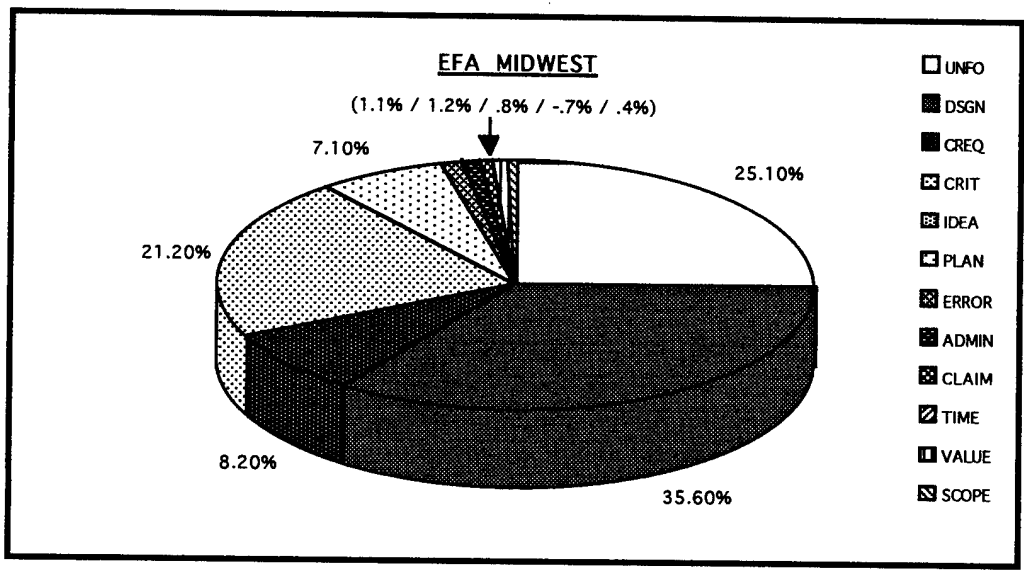


Figure 4.30: Percent Distribution of Cost by Reason Codes



The distribution of these modifications by trade is shown in Table 16. The civil (24.4%) and electrical (9.9%) trades were the most commonly involved trades in changes. In addition, administrative and changes where the information was not available (n/a) made up 10.9% each of the changes. A large portion of the total cost was made up by changes involving the civil (38.1%) and HVAC (10.9%) trades. Another 10.9% of the total cost could not be allocated to any of the other trades because of missing information. Figures 4.31 and 4.32 show the percent distribution of these changes by trade and its corresponding cost, respectively.

Trades	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
CIVIL	74	24.4%	\$1,437,698	38.1%	\$19,428
EARTHWORK	17	5.6%	\$203,470	5.4%	\$11,969
ELECTRICAL	30	9.9%	\$315,468	8.4%	\$10,516
HVAC	16	5.3%	\$409,917	10.9%	\$25,620
FINISHES	13	4.3%	\$122,317	3.2%	\$9,409
ROOFING	0	0.0%	\$0	0.0%	\$0
DEMOLITION	10	3.3%	\$74,677	2.0%	\$7,468
HAZ. WASTE	6	2.0%	\$209,330	5.5%	\$34,888
DOOR/WINDOW	10	3.3%	\$56,370	1.5%	\$5,637
PLUMBING	28	9.2%	\$215,061	5.7%	\$7,681
UTILITIES	14	4.6%	\$175,511	4.6%	\$12,537
ADMIN	33	10.9%	\$37,462	1.0%	\$1,135
EQUIPMENT	8	2.6%	\$28,841	0.8%	\$3,605
CLAIMS	3	1.0%	\$24,830	0.7%	\$8,277
EXT. OVHD	3	1.0%	\$55,406	1.5%	\$18,469
N/A	33	10.9%	\$410,568	10.9%	\$12,441
TIME	5	1.7%	\$0	0.0%	\$0
<b>TOTALS</b>	<b>303</b>	<b>100.0%</b>	<b>\$3,776,926</b>	<b>100.0%</b>	<b>\$12,465</b>

Table 16: EFA MIDWEST's Modifications by Trade

The hazardous waste removal (\$34,888) and HVAC (\$25,620) work had significantly higher cost per modification averages than the EFA MIDWEST overall average.

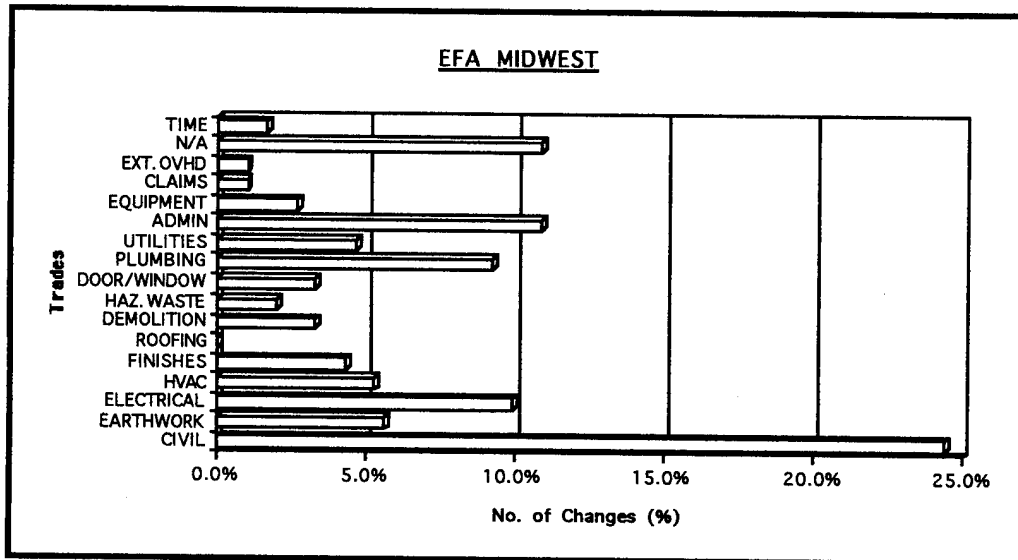


Figure 4.31: Distribution of Modifications by Trade

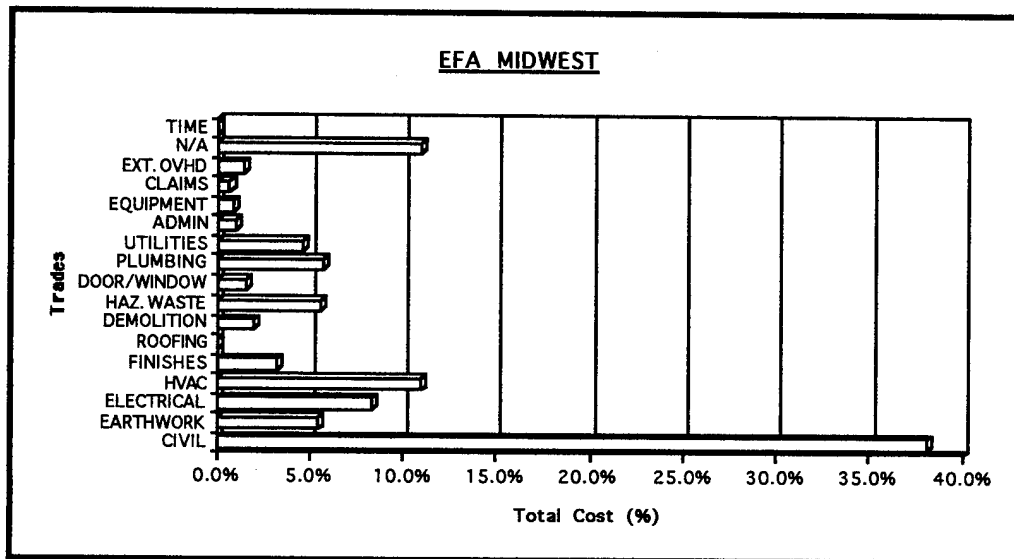


Figure 4.32: Percent Distribution of Cost by Trade

#### 4.2.9 EFA CHESAPEAKE.

The EFA CHESAPEAKE projects used for this study were valued at \$42,854,406. A total of 342 contract modifications valued at \$4,350,625 were issued against these contracts. The average cost per modification was \$12,721. At 10.15%, the average modification rate for EFA CHESAPEAKE's projects was the highest of all the EFD/EFA's analyzed.

The distribution of these modifications by reason code is shown in Table 17. Almost 90% of all modification were due to unforeseen (41.5%), design (35.4%) and customer requested (10.8%) changes. The total cost of all modifications was mostly accounted for by unforeseen (41.7%), design (36.1%) and customer requested (16.3%) changes. Figures 4.33 and 4.34 show the percent distribution of these modifications by reason code and its corresponding cost, respectively.

Reason Code	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
UNFO	142	41.5%	\$1,815,233	41.7%	\$12,783
DSGN	121	35.4%	1,572,209	36.1%	\$12,993
CREQ	37	10.8%	709,289	16.3%	\$19,170
CRIT	1	0.3%	4,117	0.1%	\$4,117
IDEA	0	0.0%	0	0.0%	\$0
PLAN	3	0.9%	58,545	1.3%	\$19,515
ERROR	9	2.6%	61,948	1.4%	\$6,883
ADMIN	24	7.0%	37,175	0.9%	\$1,549
CLAIM	1	0.3%	94,627	2.2%	\$94,627
TIME	3	0.9%	0	0.0%	\$0
VALUE	0	0.0%	0	0.0%	\$0
SCOPE	1	0.3%	(2,518)	-0.1%	(\$2,518)
<b>Totals</b>	<b>342</b>	<b>100%</b>	<b>\$4,350,625</b>	<b>100%</b>	<b>\$12,721</b>

Table 17: EFA CHESAPEAKE's Modifications by Reason Code

Only the claims (\$94,627) reason code had a significantly higher cost per modification average than the EFA CHESAPEAKE overall average.

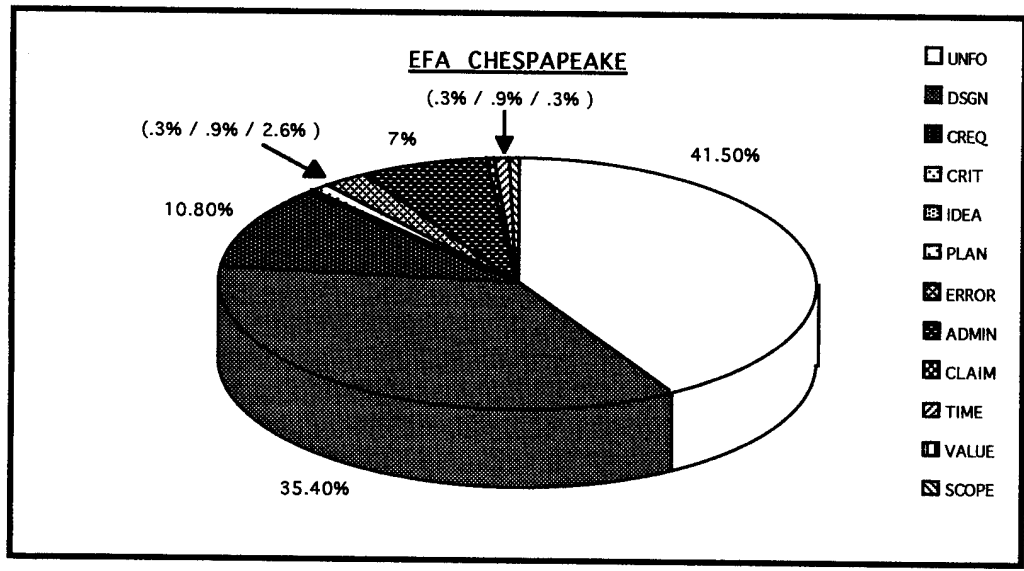


Figure 4.33: Distribution of Modifications by Reason Code

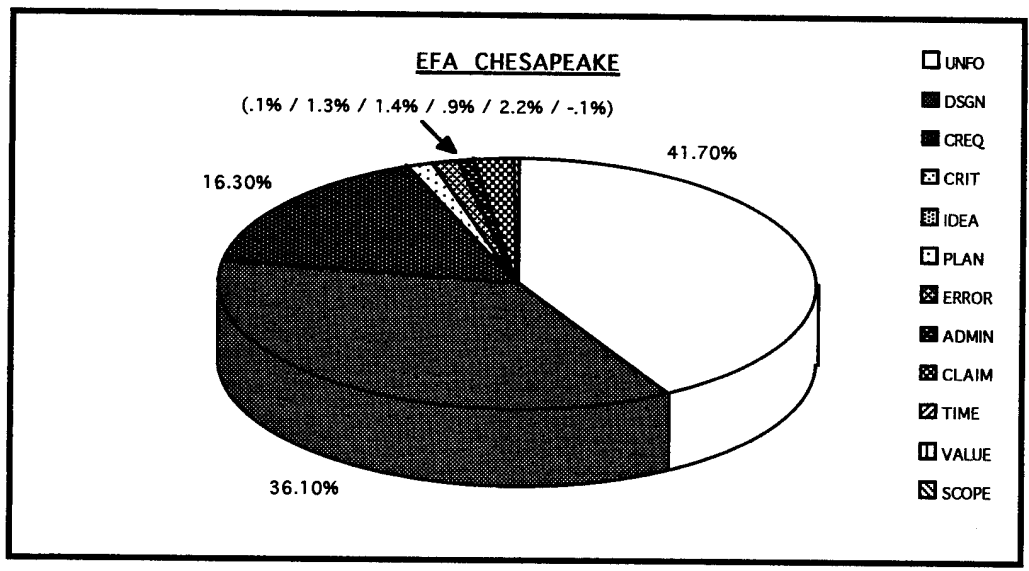


Figure 4.34: Percent Distribution of Cost by Reason Codes

The distribution of these modifications by trade is summarized in Table 18. The electrical (18.7%) and civil (18.1%) trades were involved in the majority of the modifications issued. The total cost of all modifications was attributed mostly to equipment installation (27.9%), civil (19.0%), electrical (14.1%) and hazardous waste removal (10.1%) work. Figures 4.35 and 4.36 show the percent distribution of these modifications by trade and its corresponding cost, respectively.

Trades	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
CIVIL	62	18.1%	\$826,065	19.0%	\$13,324
EARTHWORK	14	4.1%	\$142,310	3.3%	\$10,165
ELECTRICAL	64	18.7%	\$612,495	14.1%	\$9,570
HVAC	19	5.6%	\$145,722	3.3%	\$7,670
FINISHES	18	5.3%	\$115,001	2.6%	\$6,389
ROOFING	7	2.0%	\$44,390	1.0%	\$6,341
DEMOLITION	11	3.2%	\$61,774	1.4%	\$5,616
HAZ. WASTE	12	3.5%	\$439,360	10.1%	\$36,613
DOOR/WINDOW	14	4.1%	\$61,902	1.4%	\$4,422
PLUMBING	26	7.6%	\$202,985	4.7%	\$7,807
UTILITIES	23	6.7%	\$162,731	3.7%	\$7,075
ADMIN	24	7.0%	\$37,175	0.9%	\$1,549
EQUIPMENT	10	2.9%	\$1,215,601	27.9%	\$121,560
CLAIMS	1	0.3%	\$94,627	2.2%	\$94,627
EXT. OVHD	7	2.0%	\$75,326	1.7%	\$10,761
N/A	27	7.9%	\$113,161	2.6%	\$4,191
TIME	3	0.9%	\$0	0.0%	\$0
<b>TOTALS</b>	<b>342</b>	<b>100.0%</b>	<b>\$4,350,625</b>	<b>100.0%</b>	<b>\$12,721</b>

Table 18: EFA CHESAPEAKE's Modifications by Trade

Categories with significantly higher than average costs per modification than the EFA CHESAPEAKE overall average included equipment installation (\$121,560), claims (\$94,627) and hazardous waste removal work (\$36,613).

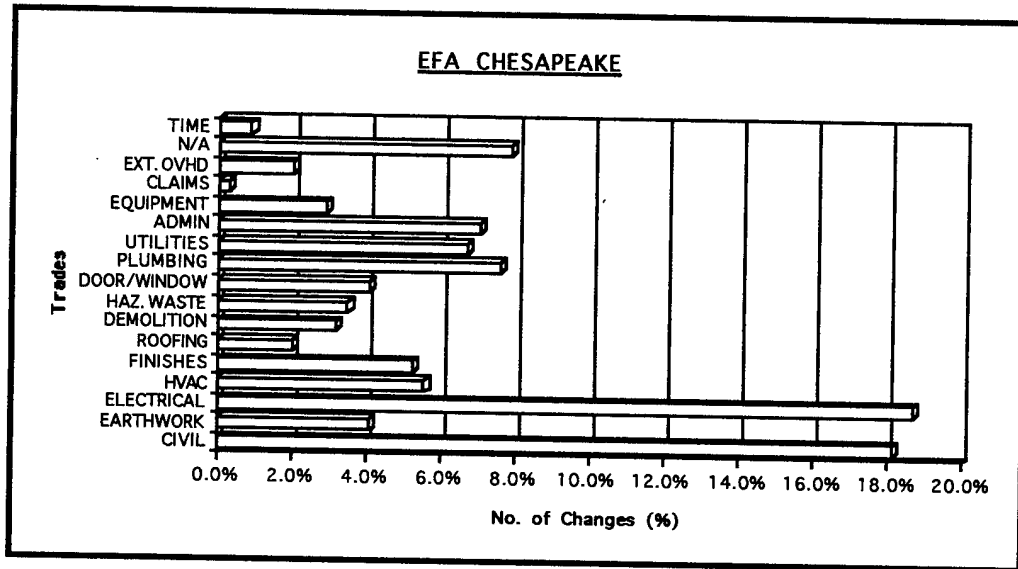


Figure 4.35: Distribution of Modifications by Trade

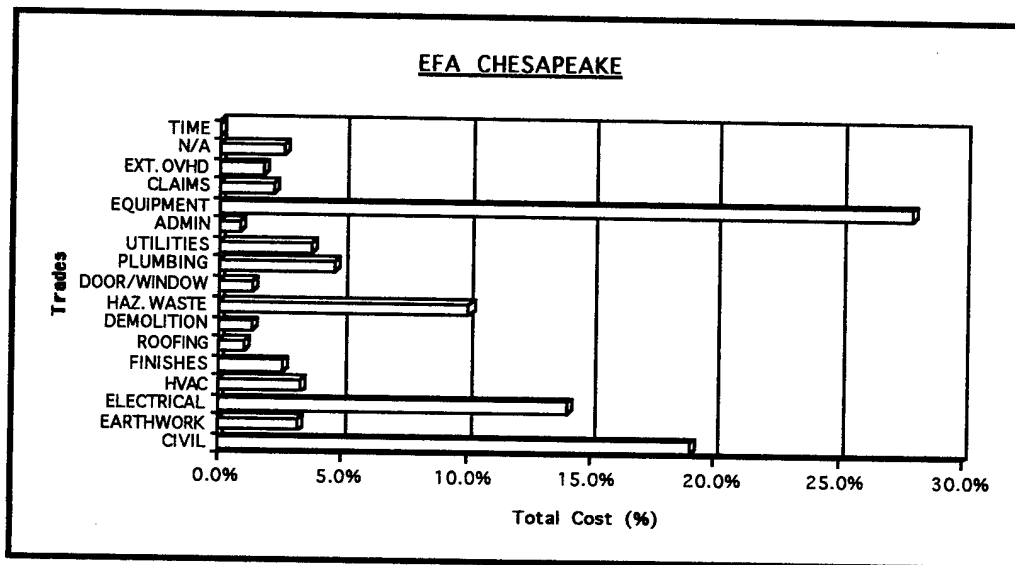


Figure 4.36: Percent Distribution of Cost by Trade

#### 4.2.10 EFA NORTHWEST.

The EFA NORTHWEST contracts used for this study were valued at \$77,586,694. A total of 442 contract modifications totaling \$5,146,450 were issued against these contracts. The average cost of these modifications was \$11,644. The average modification rate for EFA NORTHWEST's projects was 6.63%.

The distribution of these modifications by reason code is shown in Table 19. The reason codes design (50.2%), customer requested (20.1%) and unforeseen (14.7%) were the most commonly assigned to contract modifications. Customer requested changes (41.7%) followed by design (37.8%) and unforeseen (14.9%) changes accounted for almost 95% of the total cost for all modifications. Figures 4.37 and 4.38 show the percent distribution of these modifications by reason code and its corresponding cost, respectively.

Reason Code	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
UNFO	65	14.7%	\$766,559	14.9%	\$11,793
DSGN	222	50.2%	1,947,527	37.8%	\$8,773
CREQ	89	20.1%	2,144,371	41.7%	\$24,094
CRIT	21	4.8%	37,730	0.7%	\$1,797
IDEA	1	0.2%	(7,452)	-0.1%	(\$7,452)
PLAN	7	1.6%	124,187	2.4%	\$17,741
ERROR	3	0.7%	8,336	0.2%	\$2,779
ADMIN	25	5.7%	(15,189)	-0.3%	(\$608)
CLAIM	5	1.1%	145,919	2.8%	\$29,184
TIME	3	0.7%	638	0.0%	\$213
VALUE	1	0.2%	(6,176)	-0.1%	(\$6,176)
SCOPE	0	0.0%	0	0.0%	\$0
<b>Totals</b>	<b>442</b>	<b>100%</b>	<b>\$5,146,450</b>	<b>100%</b>	<b>\$11,644</b>

Table 19: EFA NORTHWEST's Modifications by Reason Code

Modifications with the reason codes claim (\$29,184) and customer requested (\$24,094) exceeded the overall cost per modification average for EFA NORTHWEST's projects.

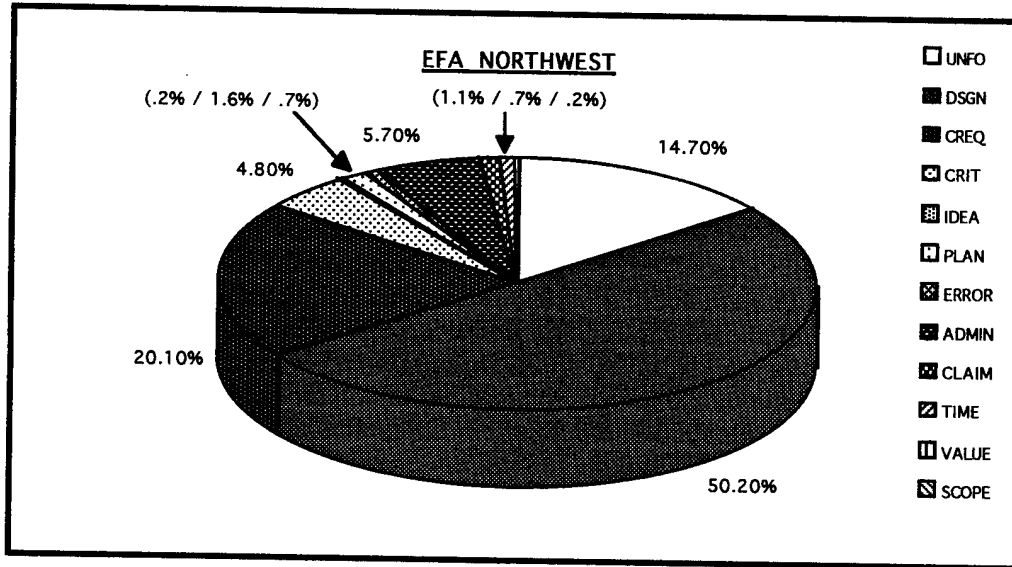


Figure 4.37: Distribution of Modifications by Reason Code

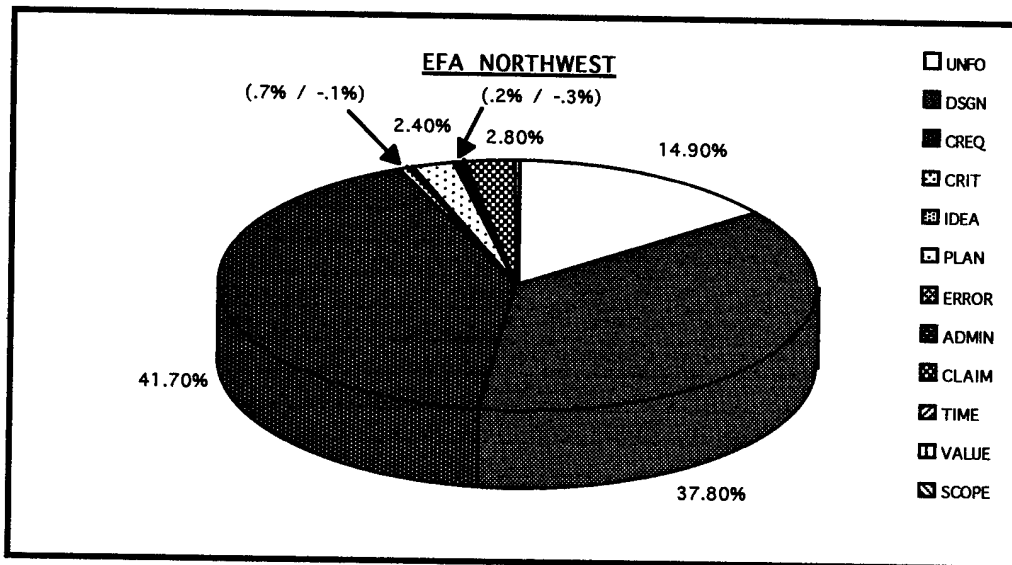


Figure 4.38: Percent Distribution of Cost by Reason Code



The distribution of these modifications by trade is summarized in Table 20. From this table, changes involving the civil (25.6%), electrical (17.0%) and finishes (10.0%) trades were the most frequent. The civil (54.3%) and equipment installation (11.0%) trades made up approximately 65% of the total cost. The remaining 35% was very well distributed between the remaining trades. Figures 4.39 and 4.40 show the percent distribution of these modifications by trade and its corresponding cost, respectively.

Trades	No. of Changes	% of Changes	Total Cost	% of Cost	Avg. Cost per Change
CIVIL	113	25.6%	\$2,793,332	54.3%	\$24,720
EARTHWORK	15	3.4%	\$158,922	3.1%	\$10,595
ELECTRICAL	75	17.0%	\$439,908	8.5%	\$5,865
HVAC	23	5.2%	\$150,854	2.9%	\$6,559
FINISHES	44	10.0%	\$128,841	2.5%	\$2,928
ROOFING	5	1.1%	\$29,037	0.6%	\$5,807
DEMOLITION	5	1.1%	\$12,989	0.3%	\$2,598
HAZ. WASTE	5	1.1%	\$207,326	4.0%	\$41,465
DOOR/WINDOW	19	4.3%	\$72,866	1.4%	\$3,835
PLUMBING	26	5.9%	\$129,389	2.5%	\$4,977
UTILITIES	28	6.3%	\$91,660	1.8%	\$3,274
ADMIN	40	9.0%	\$72,337	1.4%	\$1,808
EQUIPMENT	6	1.4%	\$567,772	11.0%	\$94,629
CLAIMS	2	0.5%	\$140,927	2.7%	\$70,464
EXT. OVHD	2	0.5%	\$7,027	0.1%	\$3,514
N/A	30	6.8%	\$142,625	2.8%	\$4,754
TIME	4	0.9%	\$638	0.0%	\$160
<b>TOTALS</b>	<b>442</b>	<b>100.0%</b>	<b>\$5,146,450</b>	<b>100.0%</b>	<b>\$11,644</b>

Table 20: EFA NORTHWEST's Modifications by Trade

Four categories of changes had cost per modification averages that exceeded EFA NORTHWEST's overall average. These included equipment installation (\$94,629), claims (\$70,464), hazardous waste removal (\$41,465) and civil work (\$24,720).

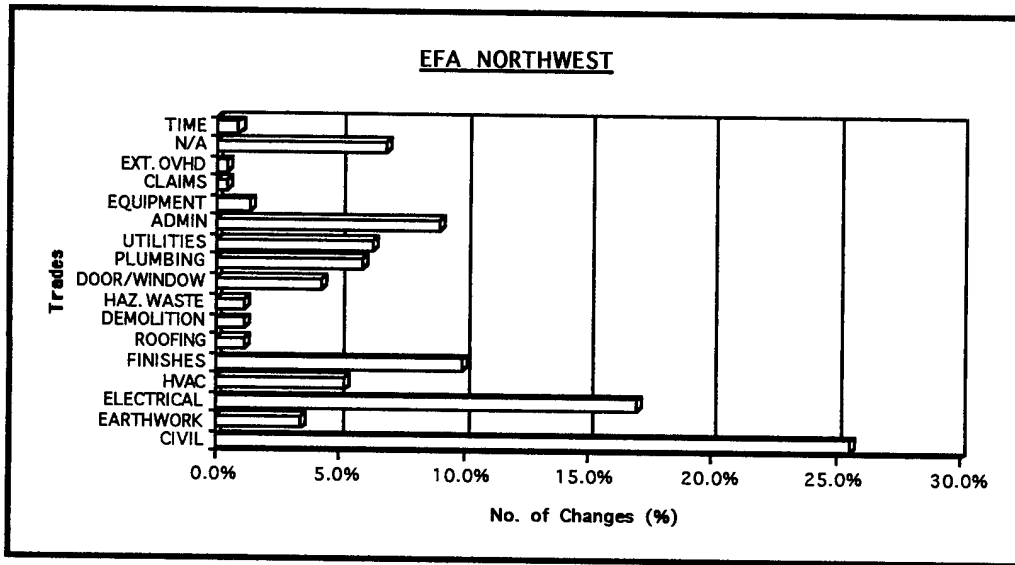


Figure 4.39: Distribution of Modifications by Trade

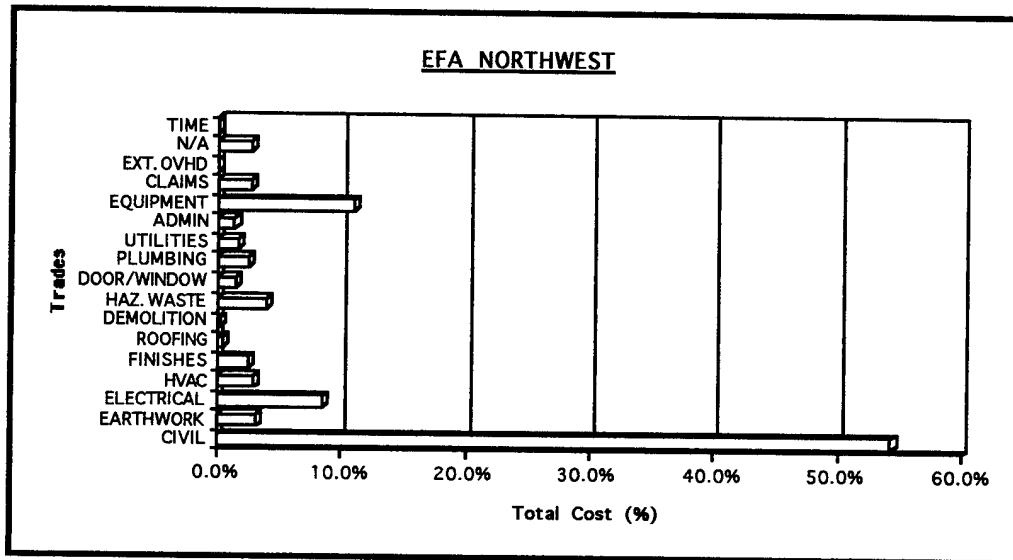


Figure 4.40: Percent Distribution of Cost by Trade

#### 4.3 Relationship Between the Type of Facility and the Project's Modification Rate.

The second purpose of this thesis was to analyze the relationship between the Facility Category Codes and the project's modification rate. To perform the analysis the 135 projects were first sorted using the Navy's Facility Category Codes discussed in Appendix A. Then the modification rate for each one of the categories was calculated. A spreadsheet showing this sort is included as Appendix D. The results of this analysis are summarized on Table 21.

Since the projects were randomly selected, an even distribution of projects among the different facility category codes was not achieved. Only facility categories with 10 or more representative projects were considered to have sufficient data to make the analysis reliable. The following categories of facilities did not meet this criteria and therefore the relationship between them and their respective modification rate could not be established: Production (1), RDT&E (7), Supply (9), Medical (4), Family Housing (2) and Site Improvements (1).

Taking NAVFAC's average modification rate of 6.07% as the norm, the following observations are made. First, Operational facilities had the highest average modification rate at 11.41%. They were followed by Utility Improvements (9.15%) and Training (7.13%) facilities. At 6.67%, the Administrative facilities had an average modification rate slightly higher than the NAVFAC average. Facility types with average modification rates well below NAVFAC's average included Maintenance (4.56%) and

Facility Type	LANTDIV	SOUTHIDIV	NORTHIDIV	PACDIV	SOUTHWESTDIV	EFA WEST	EFA MIDWEST	EFA CHESAPEAKE	EFA NORTHWEST	Totals	Modification Rate (%)
Operational	2	1	1	3	3	1	1	1	2	15	11.41%
Training	2	3	1	0	2	2	2	1	0	13	7.13%
Maintenance	6	4	1	4	4	0	4	3	0	26	4.56%
Production	0	0	0	0	0	0	0	1	0	1	8.47%
RDT & E	0	0	1	0	1	2	0	3	0	7	6.90%
Supply	0	0	1	0	2	3	1	0	2	9	5.04%
Medical	0	1	0	2	0	0	0	0	1	4	1.82%
Administrative	2	1	4	1	0	1	2	3	1	15	6.67%
Family Hsng	0	0	1	0	0	0	1	0	0	2	1.69%
Personnel Hsng.	1	3	1	0	1	3	3	1	2	15	3.79%
Community	1	2	1	2	2	2	1	0	3	14	4.46%
Utilities Improv	1	0	3	3	0	1	0	2	3	13	9.15%
Site Improv.	0	0	0	0	0	0	0	0	1	1	7.17%
Totals										135	

Table 21: Distribution of Contracts by Facility Category Codes

Community (4.46%) facilities. Finally, the facility category code with the lowest average modification rate was Personnel Housing (3.79%). Figure 4.41 summarizes these observations.

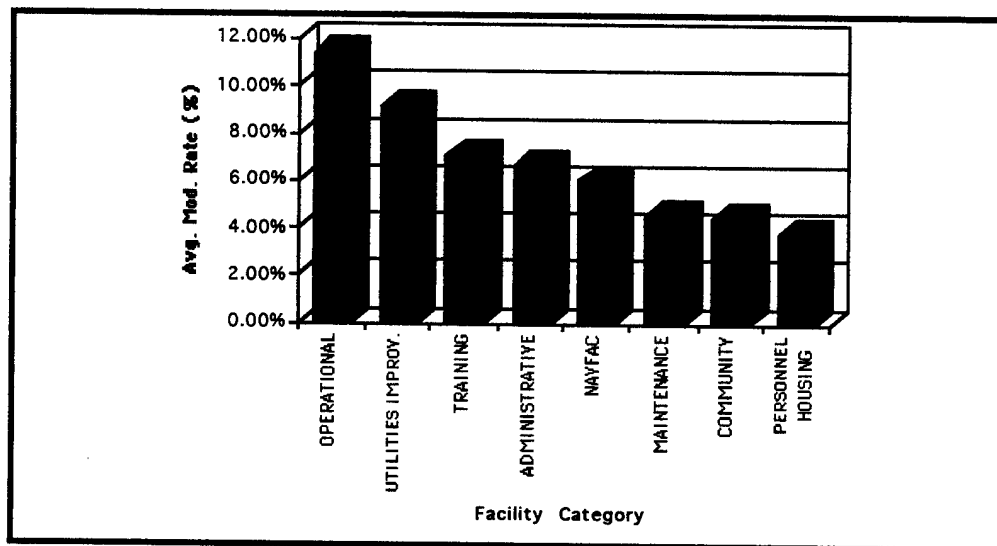


Figure 4.41: Avg. Modification Rate by Facility Category

## Chapter 5

### Conclusions

This chapter discussed the major conclusions reached based on the analysis performed in the previous chapter. Emphasis was placed in comparing the individual performance of each EFD/EFA's in major area such as claims, value engineering , scope changes, and A-E liability modifications. In addition, the individual EFD/EFA's performance compared to the overall NAVFAC performance is addressed. Specific conclusion are as follows:

#### Reason Codes Analysis:

- The single greatest number of modifications issued by most of the EFD/EFA's, except for PACDIV and EFA CHESAPEAKE where unforeseen modifications were the most common, were due to design errors or omissions. These design modifications accounted for approximately 40% of all modifications issued and 31% of the total cost for all changes issued in the 135 contracts analyzed. EFA NORTHWEST (50.2%) and SOUTHWESTDIV (47.0%) had the highest percentages of this type of modifications.
- Despite the high number of design related modifications, the A-E of record was held financially liable for only approximately 1% of the changes. SOUTHDIV was the most aggressive in pursuing A-E liability, at 3% of all modifications issued, for the cost of design related modifications.
- Unforeseen conditions (28.3%) were the second leading cause for modifications accounting for 31.8% of the total cost for all modifications issued by NAVFAC. SOUTHDIV and EFA CHESAPEAKE had the highest percentages of this type of modifications at 45.8% and 41.5%, respectively. NORTHDIV's

spent 46.9% of its total cost for all modifications on unforeseen related changes.

- Overall customer requested changes were responsible for 11.5% of all modifications issued and accounted for 19.1% of the total cost. EFA NORTHWEST led all EFD/EFA's in customer requested changes with 20.1% of all its changes being attributed to this type of modifications. In addition, these modifications accounted for 41.7% of the cost of all modifications issued by EFA NORTHWEST. This cost percentage was by far the highest of all EFD/EFA's.
- NAVFAC wide claim related modifications numbered 1% of all modifications issued and accounted for 3.4% of the total cost. The Navy paid an average of \$41,324 per claim. LANTDIV had the highest percentage of claim related modifications at 1.9% of all its modifications. EFA WEST had the highest percentage of total cost allocated to cover claim related modifications at 14.4% of the total cost and also had the highest cost per modification at \$139,051.
- NAVFAC wide Value Engineering (VE) changes averaged 1% of all modifications issued and accounted for savings of 1.2% of the total cost. With 3.4% of all modifications issued involving VE modifications, PACDIV had the most active VE program. In addition, NORTHDIV's VE program produced the largest savings at 5.1% of the total cost.
- Scope changes are very uncommon and expensive modifications in Navy contract and that was reflected in the NAVFAC wide analysis (.4% of all changes and .9 % of total cost). The average scope modification costs the Navy \$24,357. SOUTHWESTDIV led all EFD/EFA's in both number (2%) and total cost allocated (9.7%) to scope modifications. SOUTHWESTDIV also had the highest average cost per scope modification at \$40,315.

- Overall NAVFAC spent an average of \$11,583 per modification. SOUTHDIV had the lowest average cost per modification at \$7,278 per change. On the other hand, PACDIV had the highest average at \$16,217 per modification.

Trade Analysis:

- Except for changes issued by EFA CHESAPEAKE and NORTHDIV where electrical changes were the most common, civil/structural related changes were the single most common trade involved in modification issued by NAVFAC (22%). At 30.7% of all changes, SOUTHDIV had the highest percentage of civil changes.
- Civil changes (27.1%), followed by electrical (13.1%) and earthwork (10.1%) related modifications compromised approximately 50% of the total cost of all modifications issued.
- NAVFAC wide extended overhead modifications compromised 1.4% of all changes and 2.9% of the total cost. PACDIV had the highest percentage of extended overhead modifications at 3.4%. NORTHDIV and SOUTHDIV spent 7.8% of the total cost for all modifications issued in this category.
- After claims, modifications involving the installation of equipment had the highest cost per modification at \$36,645. EFA CHESAPEAKE spent an average of \$121,560 per equipment installation modification.
- NAVFAC wide hazardous waste removal work was another expensive type of work at \$26,342 per modification. EFA NORTHWEST had the single highest average cost (\$41,465) for this type of work. EFA CHESAPEAKE had the highest percentage of hazardous waste work related modifications at 3.5%.



Project Modification Rates and Facility Codes:

- NAVFAC wide the average modification rate for the 135 projects analyzed was calculated at 6.07%. EFD/EFA's with the lowest and highest modifications rates were SOUTHDIV (3.95%) and EFA CHESAPEAKE (10.15%), respectively
- A relationship did exist between the complexity of the work, the facility type and the project's modification rate. Personnel Housing facilities that usually involve repetitive work, standard room size, standard configurations and sometime use the same design for different locations had the lowest modification rate at 3.79% of the total installed cost.
- In operational facilities where requirements and missions changes are common occurrences, the average modification rate was the highest at 11.41% of the total installed cost. Keeping in mind that a MILCON project takes approximately 4 years to be approved and constructed it is easily understood how a project designed 3 or 4 years ago may or may not meet the present day requirements.
- Utilities improvement projects, where many subsurface condition may be unknown, also had a high modification rate at 9.15% of the total cost.

## Chapter 6

### Recommendations

1. Since design related changes due to design errors or omissions are responsible for a great majority of all modifications issued, better and more thorough constructibility review must be performed. The ROICC offices need to have adequate time to perform quality reviews. In addition, only experienced personnel should be used to perform these reviews.
2. An alternative or in addition to having the ROICC offices perform the constructibility reviews, the Navy might consider the possibility of hiring constructibility consultants to perform these reviews. The potentials savings derived from identifying conflicts in plans, specifications and site conditions before contract award should, at least in complex projects, justify the additional expenditure.
3. There is a need to provide standardize constructibility review training to all those involved in the process. A lessons learned data base should be created that includes the most common types of changes encountered in typical facilities.
4. When performing constructibility reviews, emphasis should be placed on checking the civil and electrical related work. These trades were involved in approximately 37% of all modifications issued.
5. The A-E of record should be required to become familiar with the site instead of relying on Government as-built drawings to perform the design. This practice should reduce the number of

unforeseen changes, which are the second major reason for changes in the contracts analyzed.

6. Where warranted, the Navy's needs to become more aggressive in pursuing A-E liability cases for design error and omissions. The A-E of records needs to understand that he/she will be held financially liable for his/her design oversights.

7. One suggestion for improving the quality of design services would be to develop a compensation plan that allows the A-E to earn a higher fee based on the quality of his/her design

8. The Value Engineering program is an excellent vehicle for savings in Government contracts. Except for PACDIV, the Navy is not taking full advantage of this program. NAVFAC needs to become more active in ensuring the widest implementation of this program at all the EFD/EFA's.

9. The Navy should continue to discourage scope modifications once a contract is awarded. These modifications are expensive and usually involve extensive redesign effort that can delay the project and bring about extended overhead charges.

10. Although only a small percentage of changes are due to claims, these modifications are the most expensive to settle. The Navy needs to continue to pursue alternative dispute resolution methods to settle claims. In addition, the practice of encouraging the settlement of claims at the lowest levels should continue.

11. When budgeting for contingency costs, such as for modifications, attention should be placed to the type of facility being proposed and budget accordingly. The practice of budgeting

a flat percentage for contingencies for all projects should be discouraged.

12. A separate analysis on the trades most commonly involved in modifications by facility type should be performed. This analysis would shed additional light on the relationship between the facility type and the project's modification rate. In addition, it would help focus attention on areas of concern during the design and constructibility review of a project.

## Appendices

## Appendix A

### Navy Facility Category Codes

Land assigned to any one of the Armed Services is considered Military Real Property, class 1. All other real property items so assigned or constructed on or in the land (buildings, structures and utilities) are considered Military Real Property, class 2. Every reportable item of real property, be it class 1 or 2, is considered a facility.

Department of Defense (DOD) regulations require the categorizing, within property classes 1 and 2, of all Military Real Property and prescribes a structured series of Basic Facility Categories for that purpose. One series of codes (the 900 series) is applicable only to class 1 property. The code includes the nature, degree and type of U.S. Government's interest (permanent, temporary, fee title, lease, permit, etc.) in the land and the method by which that interest was acquired. Eight other series of codes (the 100 through 800 series) are applicable only to class 2 and, unlike the 900 series, are indicative of the use made of the class 2 property. The Facility Categories used for this research are shown in Table A.1.

Basic Category	Facility Type
111XX through 149XX	Operational Facilities
150XX through 169XX	Waterfront Facilities
170XX through 179XX	Training Facilities
210XX through 219XX	Maintenance Facilities
220XX through 229XX	Production Facilities
300XX through 390XX	RDT&E Facilities
400XX through 451XX	Supply Facilities
500XX through 550XX	Hospitals, Medical, Dental
600XX through 690XX	Administrative Facilities
711XX through 714XX	Family Housing Facilities
720XX through 725XX	Unaccompanied Personnel Hsng,
730XX through 750XX	Community Facilities
760XX	Museums and Memorials
800XX through 890XX	Utilities and Grounds Improv.
910XX through 923XX	Land, Owned or Integrated
930XX through 939XX	Site Improvements

Table A.1: Facility Category Codes

The Category Codes shown above have been developed on the structured base of a five digit code. The first three digit indicate DoD specified Facility Classes, Category Groups and Basic Categories. The fourth and fifth digits have been added to identify specific Navy facilities within the DoD Basic Categories.

## Appendix B

### Contract Modifications Reason Codes

The following reason codes are used by the Navy to categorize the different types of modifications:

a. UNFO: (Unforeseen) This code is used for modifications that are a result of unforeseen conditions. These conditions can be caused by a different site condition or other unexpected problems.

b. DSGN: (Design) This reason code is used for contract modifications that are a result of a design error or omission. This code is used when the A-E is not liable for the cost of the modification.

c. CREQ: (Customer Requested) This code is associated with scope amendments to accommodate revised or new functional requirements of the facility. The customer is usually the originator of these types of modifications.

d. CRIT: (Criteria) This type of modification is associated with an in-scope amendment to accommodate revised or new building, utility or construction criteria, which does not relate to functional aspects of the project.

e. IDEA: (Idea) This code is used for modifications that are a result ingenious or innovative ideas to perform the required work. This is not to be confused with a formal Value Engineering proposals.

f. PLAN: (Plan) This code refer to those changes that, prior to or at the time of award, have been pre-planned to be handled



as modifications due to the nature of the work involved or to take advantage of an option beneficial to the Government.

g. ERROR: (Error) This code is used in conjunction with modifications that were a result of design errors and/or omissions. In this case the A-E has been found liable for the cost of the modification.

h. ADMIN: (Administrative) Modifications that involve no cost on a net basis or changes to accounting or contract data.

i. CLAIM: (Claim) Self explanatory.

j. TIME: (Time Extension) Code used to compensate the contractor for time delays.

k. VALUE: (Value Engineering) Credit modifications reflecting savings resulting from redesign to incorporate the result of VE studies.

l. SCOPE: (Scope) Code used when additional scope is added to the contract. This does not cover scope which was not included due to omission by the Government.

## Appendix C

### Contract Modifications Checklist

The purpose of this checklist is to assure that every modification or claim is adequately documented. Each box must be checked or indicated N/A and shall have in this modification/claim file the documentation required for the box. The modification/claim file must show the complete record of all actions and data from the start of a potential modification/claim through final conclusion or disposition.

The ROICC and AROICC are responsible for the completion of each modification file.

1. \_\_\_\_ Origin of the Modification (i.e., customer request, RFI from contractor, A-E request, ROICC, etc.)
2. \_\_\_\_ Review Modification (i.e., copies of letters, memorandum to file, telephone calls, engineering comments, etc.)
3. \_\_\_\_ RFP and related RFP's
4. \_\_\_\_ A-E comments, if needed (i.e., reports, letters, memos, etc.)
5. \_\_\_\_ Customer comments, if needed (i.e., letters, memos, records of telephone calls, etc.)
6. \_\_\_\_ Government Estimate Date \_\_\_\_
7. \_\_\_\_ Fund Reservation Number \_\_\_\_

8. \_\_\_\_ Unfinalizing Unilateral Change Order Date \_\_\_\_
9. \_\_\_\_ Contractor Proposal Received Date \_\_\_\_
10. \_\_\_\_ Is A-E liable? YES\_\_\_\_ NO\_\_\_\_ (i.e., letters, memos, reports; stating reasons, etc.)
11. \_\_\_\_ Notify Contractor of Negotiation Meeting
12. \_\_\_\_ Notify A-E of Negotiation Meeting, if A-E is liable
13. \_\_\_\_ Photographs in the File
14. \_\_\_\_ Negotiation Date \_\_\_\_
15. \_\_\_\_ Send Copy of Minutes to Contractor. Date \_\_\_\_
16. \_\_\_\_ Reserve Additional Funds, if needed. Date and Fund Reservation \_\_\_\_\_
17. \_\_\_\_ Negotiation Memorandum or Business Clearance Completed \_\_\_\_
18. \_\_\_\_ Copy of Approved Business Clearance
19. \_\_\_\_ Copy of Formal Modification
20. \_\_\_\_ Other Information
21. \_\_\_\_ Retire File

Appendix D

Modification Rates by Facility Category

EFFD/EFA	PROJECT #	FACILITY TYPE (CAT. CODE)	AWARD AMOUNT (\$)	TOTAL MODS. (\$)	MODIFICATION RATE (%)
LANTDIV	88-8174	ADMINISTRATIVE	\$1,437,682	\$96,546	6.72%
LANTDIV	89-9075	ADMINISTRATIVE	\$2,385,131	\$59,008	2.47%
EFA NORTH	87-0041	ADMINISTRATIVE	\$1,937,414	\$152,606	7.88%
EFA NORTH	81-0392	ADMINISTRATIVE	\$11,250,000	\$862,716	7.67%
EFA NORTH	87-0025	ADMINISTRATIVE	\$3,874,100	\$155,719	4.02%
EFA NORTH	85-0004	ADMINISTRATIVE	\$1,433,000	\$382,727	26.71%
EFA WEST	89-0782	ADMINISTRATIVE	\$1,128,651	\$130,741	11.58%
SOUTHDIV	86-0727	ADMINISTRATIVE	\$1,705,500	\$189,973	11.14%
EFA MIDWEST	85-0167	ADMINISTRATIVE	\$3,066,650	(\$3,684)	-0.12%
EFA MIDWEST	84-0252	ADMINISTRATIVE	\$2,852,000	\$36,572	1.28%
EFA CHESAPEAKE	85-0106	ADMINISTRATIVE	\$1,733,000	\$61,427	3.54%
EFA CHESAPEAKE	86-0031	ADMINISTRATIVE	\$2,100,421	\$411,248	19.58%
EFA CHESAPEAKE	86-0276	ADMINISTRATIVE	\$4,090,000	\$85,272	2.08%
PACDIV	85-1463	ADMINISTRATIVE	\$1,869,000	\$57,564	3.08%
EFA NORTHWEST	94-7436	ADMINISTRATIVE	\$2,618,000	\$223,417	8.53%
		<b>TOTALS</b>	<b>\$43,480,549</b>	<b>\$2,901,852</b>	<b>6.67%</b>
EFA WEST	87-7667	COMMUNITY	\$2,893,000	\$23,021	0.80%
SOUTHWESTDIV	91-0187	COMMUNITY	\$1,668,800	\$214,483	12.85%
SOUTHWESTDIV	87-8829	COMMUNITY	\$1,920,000	\$153,106	7.97%
EFA NORTHWEST	93-2142	COMMUNITY	\$2,127,435	\$52,891	2.49%
EFA NORTHWEST	88-3283	COMMUNITY	\$2,896,000	\$58,835	2.03%
EFA NORTHWEST	87-7630	COMMUNITY	\$21,124,000	\$379,814	1.80%
EFA NORTH	84-0355	COMMUNITY	\$1,167,000	\$31,172	2.67%
EFA WEST	89-7107	COMMUNITY	\$3,574,000	\$575,742	16.11%
SOUTHDIV	83-0232	COMMUNITY	\$2,957,500	\$69,624	2.35%
SOUTHDIV	89-0173	COMMUNITY	\$3,287,000	\$215,966	6.57%
EFA MIDWEST	88-0056	COMMUNITY	\$2,283,612	\$226,698	9.93%
PACDIV	87-1302	COMMUNITY	\$2,166,900	\$68,445	3.16%
PACDIV	85-1462	COMMUNITY	\$1,937,499	\$92,220	4.76%
LANTDIV	88-0062	COMMUNITY	\$1,108,675	\$118,067	10.65%
		<b>TOTALS</b>	<b>\$51,111,421</b>	<b>\$2,280,084</b>	<b>4.46%</b>
SOUTHDIV	85-5224	MAINTENANCE	\$6,853,122	\$560,143	8.17%
LANTDIV	90-0179	MAINTENANCE	\$1,326,800	\$121,204	9.14%
LANTDIV	88-8279	MAINTENANCE	\$4,621,669	\$304,755	6.59%
LANTDIV	90-0102	MAINTENANCE	\$6,190,000	\$180,437	2.91%
LANTDIV	89-9160	MAINTENANCE	\$4,711,711	\$466,618	9.90%
LANTDIV	88-8085	MAINTENANCE	\$2,914,090	\$408,699	14.02%
LANTDIV	87-0356	MAINTENANCE	\$1,167,000	\$124,303	10.65%
EFA NORTH	87-0013	MAINTENANCE	\$1,538,000	\$37,644	2.45%
SOUTHDIV	86-0112	MAINTENANCE	\$7,149,000	\$273,164	3.82%
SOUTHDIV	86-0725	MAINTENANCE	\$3,193,237	\$179,227	5.61%
SOUTHDIV	86-0491	MAINTENANCE	\$3,885,000	\$89,821	2.31%
EFA MIDWEST	84-0518	MAINTENANCE	\$3,110,917	\$144,576	4.65%
EFA MIDWEST	87-0071	MAINTENANCE	\$6,950,000	\$513,707	7.39%
EFA MIDWEST	85-0078	MAINTENANCE	\$4,928,714	\$164,134	3.33%
EFA MIDWEST	86-0023	MAINTENANCE	\$5,757,510	\$712,540	12.38%
EFA CHESAPEAKE	85-0119	MAINTENANCE	\$3,956,000	\$292,341	7.39%
EFA CHESAPEAKE	85-0127	MAINTENANCE	\$1,938,000	\$40,090	2.07%
EFA CHESAPEAKE	89-1375	MAINTENANCE	\$7,744,838	\$993,145	12.82%
PACDIV	88-1317	MAINTENANCE	\$4,869,345	(\$781,707)	-16.05%
PACDIV	88-1319	MAINTENANCE	\$5,327,600	\$18,425	0.35%
PACDIV	85-1335	MAINTENANCE	\$5,773,945	\$146,024	2.53%
PACDIV	83-2440	MAINTENANCE	\$4,367,000	\$202,326	4.63%
SOUTHWESTDIV	84-4330	MAINTENANCE	\$9,549,401	\$140,054	1.47%
SOUTHWESTDIV	86-0149	MAINTENANCE	\$9,739,000	\$88,805	0.91%
SOUTHWESTDIV	87-7868	MAINTENANCE	\$1,443,421	\$33,962	2.35%
SOUTHWESTDIV	92-3516	MAINTENANCE	\$1,146,000	\$20,222	1.76%
		<b>TOTALS</b>	<b>\$120,151,320</b>	<b>\$5,474,659</b>	<b>4.56%</b>

EFFD/EFA	PROJECT #	FACILITY TYPE (CAT. CODE)	AWARD AMOUNT (\$)	TOTAL MODS. (\$)	MODIFICATION RATE (%)
EFA NORTHWEST	86-0016	MEDICAL	\$2,909,800	\$218,309	7.50%
SOUTH DIV	85-1350	MEDICAL	\$6,744,500	\$54,803	0.81%
PAC DIV	86-0255	MEDICAL	\$9,377,000	\$69,620	0.74%
PAC DIV	90-1469	MEDICAL	\$1,870,426	\$36,720	1.96%
		TOTALS	\$20,901,726	\$379,452	1.82%
EFA WEST	85-5356	OPERATIONAL	\$5,143,906	\$721,059	14.02%
LANT DIV	81-1481	OPERATIONAL	\$3,302,500	\$65,422	1.98%
LANT DIV	85-0099	OPERATIONAL	\$1,679,888	\$492,564	29.32%
EFA NORTH	81-0673	OPERATIONAL	\$4,799,000	\$577,979	12.04%
SOUTH DIV	87-0075	OPERATIONAL	\$3,344,608	\$206,268	6.17%
EFA MIDWEST	86-0067	OPERATIONAL	\$2,810,000	\$859,326	30.58%
EFA CHESAPEAKE	85-1376	OPERATIONAL	\$10,449,000	\$2,054,353	19.66%
PAC DIV	85-1363	OPERATIONAL	\$2,229,150	\$206,631	9.27%
PAC DIV	85-1333	OPERATIONAL	\$8,000,591	\$189,718	2.37%
PAC DIV	85-5164	OPERATIONAL	\$1,891,580	\$85,868	4.54%
SOUTHWEST DIV	85-5275	OPERATIONAL	\$2,443,637	\$20,953	0.86%
SOUTHWEST DIV	85-5318	OPERATIONAL	\$1,514,539	\$46,165	3.05%
SOUTHWEST DIV	94-7339	OPERATIONAL	\$3,373,000	\$1,529,024	45.33%
EFA NORTHWEST	90-1082	OPERATIONAL	\$5,528,000	\$342,709	6.20%
EFA NORTHWEST	86-0486	OPERATIONAL	\$18,000,000	\$1,101,459	6.12%
		TOTALS	\$74,509,399	\$8,499,498	11.41%
EFA NORTHWEST	86-0111	PERSONNEL HSNG.	\$4,820,000	\$348,657	7.23%
EFA NORTH	89-6685	PERSONNEL HSNG.	\$10,140,000	\$203,881	2.01%
EFA NORTH	87-0012	PERSONNEL HSNG.	\$9,579,425	\$289,375	3.02%
EFA MIDWEST	80-0956	PERSONNEL HSNG.	\$1,066,448	\$139,682	13.10%
LANT DIV	87-7220	PERSONNEL HSNG.	\$2,797,000	\$46,954	1.68%
EFA WEST	89-6776	PERSONNEL HSNG.	\$7,450,000	\$434,998	5.84%
EFA WEST	87-7773	PERSONNEL HSNG.	\$3,184,000	\$145,992	4.59%
SOUTH DIV	84-0517	PERSONNEL HSNG.	\$6,062,235	\$64,786	1.07%
SOUTH DIV	85-0716	PERSONNEL HSNG.	\$8,025,000	\$55,889	0.70%
SOUTH DIV	88-0035	PERSONNEL HSNG.	\$3,412,447	\$101,915	2.99%
EFA MIDWEST	90-0081	PERSONNEL HSNG.	\$9,448,259	\$364,807	3.86%
EFA MIDWEST	87-0080	PERSONNEL HSNG.	\$3,851,755	\$131,588	3.42%
EFA CHESAPEAKE	89-0015	PERSONNEL HSNG.	\$3,398,000	\$182,324	5.37%
SOUTHWEST DIV	87-8809	PERSONNEL HSNG.	\$3,908,871	\$440,252	11.26%
EFA NORTHWEST	93-2142	PERSONNEL HSNG.	\$2,185,000	\$54,639	2.50%
		TOTALS	\$79,328,440	\$3,005,739	3.79%
EFA CHESAPEAKE	86-0319	PRODUCTION	\$5,529,800	\$468,506	8.47%
		TOTALS	\$5,529,800	\$468,506	8.47%
EFA NORTH	89-0027	RDT & E	\$1,632,424	\$81,141	4.97%
EFA WEST	84-4831	RDT & E	\$1,066,295	\$370,090	34.71%
EFA WEST	87-7667	RDT & E	\$16,554,000	\$893,910	5.40%
EFA CHESAPEAKE	87-0149	RDT & E	\$2,263,355	\$323,347	14.29%
EFA CHESAPEAKE	86-0025	RDT & E	\$1,350,000	\$7,242	0.54%
EFA CHESAPEAKE	88-0202	RDT & E	\$1,964,625	\$126,939	6.46%
SOUTHWEST DIV	87-8825	RDT & E	\$3,022,200	\$118,626	3.93%
		TOTALS	\$27,852,899	\$1,921,295	6.90%
EFA NORTHWEST	93-4048	SITE IMPROV.	\$1,845,000	\$132,333	7.17%
		TOTALS	\$1,845,000	\$132,333	7.17%
EFA NORTH	83-0013	SUPPLY	\$13,451,000	\$412,728	3.07%
EFA WEST	86-0524	SUPPLY	\$1,767,837	\$178,565	10.10%
EFA WEST	89-6791	SUPPLY	\$8,956,000	\$394,671	4.41%
EFA WEST	90-1045	SUPPLY	\$1,772,073	\$93,882	5.30%
EFA MIDWEST	88-0022	SUPPLY	\$4,785,000	\$175,265	3.66%
SOUTHWEST DIV	89-6675	SUPPLY	\$7,456,000	\$224,516	3.01%

EFFD/EFA	PROJECT #	FACILITY TYPE (CAT. CODE)	AWARD AMOUNT (\$)	TOTAL MODS. (\$)	MODIFICATION RATE (%)
SOUTHWESTDIV	91-0114	SUPPLY	\$2,208,737	\$80,000	3.62%
EFA NORTHWEST	86-0144	SUPPLY	\$8,343,000	\$907,249	10.87%
EFA NORTHWEST	77-2294	SUPPLY	\$1,496,000	\$65,152	4.36%
		TOTALS	\$50,235,647	\$2,532,028	5.04%
EFA MIDWEST	86-0022	FAMILY HSNB	\$2,696,000	\$70,645	2.62%
EFA NORTH	86-0043	FAMILY HSNB.	\$3,088,000	\$27,185	0.88%
		TOTALS	\$5,784,000	\$97,830	1.69%
LANTDIV	87-7125	TRAINING	\$1,162,955	\$85,384	7.34%
LANTDIV	88-8195	TRAINING	\$2,100,000	\$78,134	3.72%
EFA NORTH	87-1076	TRAINING	\$1,587,800	\$65,236	4.11%
EFA WEST	84-4647	TRAINING	\$1,672,731	\$73,797	4.41%
EFA WEST	91-9526	TRAINING	\$1,674,489	\$166,495	9.94%
SOUTHDIV	86-0096	TRAINING	\$2,799,970	\$26,183	0.94%
SOUTHDIV	84-0234	TRAINING	\$1,919,800	\$54,173	2.82%
SOUTHDIV	83-0370	TRAINING	\$4,948,000	\$681	0.01%
EFA MIDWEST	84-0288	TRAINING	\$5,100,000	\$441,690	8.66%
EFA MIDWEST	83-0006	TRAINING	\$10,200,000	\$925,464	9.07%
EFA CHESAPEAKE	86-0155	TRAINING	\$2,600,000	\$82,399	3.17%
SOUTHWESTDIV	90-1003	TRAINING	\$1,931,919	\$807,985	41.82%
SOUTHWESTDIV	86-0228	TRAINING	\$5,163,724	\$246,745	4.78%
		TOTALS	\$42,861,388	\$3,054,366	7.13%
PACDIV	92-1319	UTILITIES IMPROV.	\$5,877,000	\$946,029	16.10%
PACDIV	86-1373	UTILITIES IMPROV.	\$1,323,110	\$155,976	11.79%
PACDIV	84-0025	UTILITIES IMPROV.	\$1,722,000	\$10,118	0.59%
EFA NORTHWEST	92-3502	UTILITIES IMPROV.	\$4,282,259	\$268,305	6.27%
LANTDIV	91-1017	UTILITIES IMPROV.	\$5,048,243	\$145,654	2.89%
EFA NORTH	85-0051	UTILITIES IMPROV.	\$2,835,733	\$299,642	10.57%
EFA NORTH	87-0033	UTILITIES IMPROV.	\$2,866,693	\$324,795	11.33%
EFA NORTH	84-0507	UTILITIES IMPROV.	\$1,128,703	\$45,347	4.02%
EFA WEST	91-9470	UTILITIES IMPROV.	\$2,290,000	\$147,019	6.42%
EFA CHESAPEAKE	89-0018	UTILITIES IMPROV.	\$2,171,000	\$626,768	28.87%
EFA CHESAPEAKE	83-0378	UTILITIES IMPROV.	\$1,192,695	\$70,856	5.94%
EFA NORTHWEST	88-4395	UTILITIES IMPROV.	\$1,578,000	\$6,614	0.42%
EFA NORTHWEST	93-9083	UTILITIES IMPROV.	\$1,045,000	\$3,787	0.36%
		TOTALS	\$33,360,436	\$3,050,910	9.15%

Appendix E

MILCON Projects Data



EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
LANTDIV	91-1017	ITALY	81110	UTILITIES IMPROVEMENTS	\$5,048,243	ADMIN	ADMIN	\$21,364
						CRIT	ELECTRICAL	\$42,145
						DSGN	EARTHWORK	\$16,388
						DSGN	ELECTRICAL	\$27,877
						DSGN	UTILITIES	\$16,236
						PLAN	ELECTRICAL	\$3,904
						UNFO	ELECTRICAL	\$2,676
						UNFO	ELECTRICAL	\$4,964
						UNFO	HVAC	\$10,100
							Total Mods. (\$)	\$145,654
							Mod. Rate (%)	2.89%
LANTDIV	88-0062	ITALY	74001	COMMUNITY	\$1,108,675	ADMIN	ADMIN	\$0
						CREQ	ELECTRICAL	\$70,838
						DSGN	CIVIL	\$13,322
						DSGN	ELECTRICAL	\$7,603
						DSGN	ELECTRICAL	\$11,941
						UNFO	EARTHWORK	\$14,363
							Total Mods. (\$)	\$118,067
							Mod. Rate (%)	10.65%
LANTDIV	85-5224	VIRGINIA	21375	MAINTENANCE	\$6,853,122	CREQ	ELECTRICAL	\$860
						CRIT	FINISHES	\$4,486
						CRIT	PLUMBING	\$13,311
						CRIT	PLUMBING	(\$400)
						DSGN	CIVIL	\$0
						DSGN	CIVIL	(\$9,350)
						DSGN	CIVIL	\$2,334
						DSGN	CIVIL	\$13,085
						DSGN	CIVIL	\$41,400
						DSGN	EARTHWORK	\$5,807
						DSGN	EARTHWORK	\$7,021
						DSGN	ELECTRICAL	\$25,152
						DSGN	ELECTRICAL	\$2,808
						DSGN	ELECTRICAL	\$1,130
						DSGN	ELECTRICAL	\$5,000
						DSGN	ELECTRICAL	\$20,000
						DSGN	ELECTRICAL	(\$350)
						DSGN	HVAC	\$0
						DSGN	HVAC	\$509
						DSGN	PLUMBING	\$1,727
						DSGN	PLUMBING	\$15,055
						DSGN	UTILITIES	\$0
						IDEA	EARTHWORK	\$19,271
						IDEA	ELECTRICAL	\$1,706
						IDEA	FINISHES	\$1,188
						IDEA	FINISHES	\$27,263
						IDEA	HVAC	(\$4,624)
						PLAN	EARTHWORK	\$75,000
						PLAN	EARTHWORK	\$219,352
						PLAN	EARTHWORK	\$0
						PLAN	EARTHWORK	\$0
						UNFO	ELECTRICAL	\$1,800
						UNFO	ELECTRICAL	\$980
						UNFO	HVAC	(\$1,673)
						UNFO	N/A	\$98,498
						UNFO	N/A	(\$10,824)
						UNFO	N/A	(\$9,910)
						UNFO	N/A	\$2,202
						UNFO	PLUMBING	\$2,202
						UNFO	UTILITIES	\$3,902
						VALUE	HVAC	(\$13,573)
							Total Mods. (\$)	\$560,143
							Mod. Rate (%)	8.17%
LANTDIV	90-0179	VIRGINIA	21375	MAINTENANCE	\$1,326,800	ADMIN	ADMIN	\$0
						CRIT	CIVIL	\$80,501
						UNFO	HVAC	\$0
						UNFO	HVAC	\$20,331
						UNFO	UTILITIES	\$21,563
						VALUE	EARTHWORK	(\$1,191)
							Total Mods. (\$)	\$121,204
							Mod. Rate (%)	9.14%
LANTDIV	88-8279	VIRGINIA	21710	MAINTENANCE	\$4,621,669	ADMIN	ADMIN	\$0
						CREQ	FINISHES	\$8,334
						CREQ	FINISHES	\$8,573
						CREQ	HVAC	\$20,444
						CRIT	DOORS/WINDOWS	\$9,357
						CRIT	ELECTRICAL	\$37,080
						DSGN	CIVIL	\$5,755

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)						
LANTDIV	88-8174	VIRGINIA	61010	ADMINISTRATIVE	\$1,437,682	DSGN	CIVIL	\$10,722						
						DSGN	DOORS/WINDOWS	\$3,892						
						DSGN	ELECTRICAL	\$15,137						
						DSGN	ELECTRICAL	\$1,383						
						PLAN	EARTHWORK	(\$3,637)						
						UNFO	CIVIL	\$1,201						
						UNFO	CIVIL	\$7,941						
						UNFO	EARTHWORK	\$21,000						
						UNFO	EARTHWORK	\$43,214						
						UNFO	HVAC	\$8,032						
						UNFO	PLUMBING	\$6,551						
						UNFO	ROOFING	\$7,128						
						UNFO	TIME	\$0						
						UNFO	UTILITIES	\$645						
						UNFO	UTILITIES	\$92,003						
							<b>Total Mods. (\$)</b>	<b>\$304,755</b>						
							<b>Mod. Rate (%)</b>	<b>6.59%</b>						
LANTDIV	90-0102	VIRGINIA	21375	MAINTENANCE	\$6,190,000	ADMIN	ADMIN	\$0						
						CREQ	CIVIL	\$25,000						
						CREQ	CIVIL	\$9,000						
						CRIT	CIVIL	\$6,517						
						CRIT	DOOR/WINDOW	\$3,250						
						DSGN	CIVIL	\$415						
						DSGN	DOOR/WINDOW	\$704						
						DSGN	EARTHWORK	(\$3,490)						
						DSGN	UTILITIES	(\$1,246)						
						UNFO	EARTHWORK	\$52,178						
						UNFO	EARTHWORK	\$4,218						
							<b>Total Mods. (\$)</b>	<b>\$96,546</b>						
							<b>Mod. Rate (%)</b>	<b>6.72%</b>						
						LANTDIV	87-7125	VIRGINIA	17135	TRAINING	\$1,162,955	ADMIN	ADMIN	\$591
												DSGN	CIVIL	\$50,000
												DSGN	CIVIL	\$11,991
												DSGN	CIVIL	\$4,763
DSGN	ELECTRICAL	\$6,049												
DSGN	HVAC	\$2,566												
DSGN	HVAC	\$8,248												
DSGN	HVAC	(\$3,239)												
DSGN	PLUMBING	\$19,998												
DSGN	PLUMBING	\$4,000												
DSGN	UTILITIES	\$4,263												
DSGN	UTILITIES	\$25,007												
DSGN	UTILITIES	\$800												
DSGN	UTILITIES	(\$50)												
IDEA	CIVIL	(\$1,172)												
IDEA	EARTHWORK	\$8,039												
IDEA	FINISHES	\$1,905												
UNFO	DEMOLITION	\$10,000												
UNFO	ELECTRICAL	\$6,261												
UNFO	EQUIPMENT	\$6,266												
UNFO	N/A	(\$1,116)												
UNFO	UTILITIES	\$12,046												
UNFO	UTILITIES	\$1,021												
UNFO	UTILITIES	\$2,200												
	<b>Total Mods. (\$)</b>	<b>\$180,437</b>												
	<b>Mod. Rate (%)</b>	<b>2.91%</b>												
LANTDIV	89-9160	KENTUCKY	21520	MAINTENANCE	\$4,711,711	CREQ	EQUIPMENT	\$214						
						CRIT	EARTHWORK	\$5,662						
						CRIT	HVAC	\$0						
						DSGN	ELECTRICAL	\$6,840						
						DSGN	ELECTRICAL	\$30,590						
						DSGN	ELECTRICAL	\$4,347						
						DSGN	PLUMBING	\$12,051						
						UNFO	CIVIL	\$9,641						
						UNFO	CIVIL	\$2,611						
						UNFO	EARTHWORK	\$14,420						
						UNFO	EARTHWORK	(\$992)						
							<b>Total Mods. (\$)</b>	<b>\$85,384</b>						
							<b>Mod. Rate (%)</b>	<b>7.34%</b>						
LANTDIV	89-9160	KENTUCKY	21520	MAINTENANCE	\$4,711,711	ADMIN	ADMIN	\$0						
						CLAIM	CLAIM	\$8,683						
						CLAIM	CLAIM	\$1,225						
						CLAIM	PLUMBING	\$4,468						
						CREQ	CIVIL	\$10,322						
						CREQ	ELECTRICAL	\$800						
	CREQ	HVAC	\$860											

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
						CRIT	CIVIL	\$1,730
						DSGN	CIVIL	\$10,219
						DSGN	CIVIL	\$2,733
						DSGN	CIVIL	\$33,432
						DSGN	CIVIL	\$12,104
						DSGN	CIVIL	\$18,543
						DSGN	CIVIL	\$3,400
						DSGN	CIVIL	\$1
						DSGN	CLAIM	\$1
						DSGN	DOOR/WINDOW	\$795
						DSGN	ELECTRICAL	\$12,810
						DSGN	ELECTRICAL	\$2,280
						DSGN	FINISHES	\$10,712
						DSGN	HVAC	\$3,667
						DSGN	N/A	\$7,546
						DSGN	N/A	\$3,499
						DSGN	PLUMBING	\$2,961
						DSGN	PLUMBING	\$16,721
						DSGN	PLUMBING	\$1,979
						DSGN	ROOFING	(\$19,088)
						DSGN	UTILITIES	\$14,908
						IDEA	CIVIL	\$1
						IDEA	CIVIL	\$1
						IDEA	N/A	(\$12,488)
						UNFO	CIVIL	\$995
						UNFO	CIVIL	\$4,796
						UNFO	CIVIL	\$24,208
						UNFO	CIVIL	\$1
						UNFO	CIVIL	\$1
						UNFO	CLAIM	\$7,399
						UNFO	DEMOLITION	\$18,506
						UNFO	DEMOLITION	\$20,479
						UNFO	DEMOLITION	\$50,033
						UNFO	DEMOLITION	\$4,622
						UNFO	DOOR/WINDOW	\$14,064
						UNFO	EARTHWORK	\$37,419
						UNFO	EARTHWORK	\$3,235
						UNFO	EARTHWORK	\$12,986
						UNFO	ELECTRICAL	\$4,416
						UNFO	ELECTRICAL	\$6,205
						UNFO	FINISHES	\$1,681
						UNFO	FINISHES	\$7,954
						UNFO	HAZ. WASTE	\$9,904
						UNFO	HAZ. WASTE	\$12,869
						UNFO	HAZ. WASTE	\$10,078
						UNFO	HAZ. WASTE	\$29,426
						UNFO	HAZ. WASTE	\$9,775
						UNFO	HVAC	\$13,146
						UNFO	N/A	\$7,595
							<b>Total Mods. (\$)</b>	<b>\$466,618</b>
							<b>Mod. Rate (%)</b>	<b>9.90%</b>
LANTDIV	87-7220	AZORES	72210	UNACCOMPANIED PERSONNEL HOUSING	\$2,797,000	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CREQ	FINISHES	\$10,626
						CREQ	HVAC	\$19,502
						UNFO	EARTHWORK	\$3,682
						UNFO	HAZ. WASTE	\$13,144
							<b>Total Mods. (\$)</b>	<b>\$46,954</b>
							<b>Mod. Rate (%)</b>	<b>1.68%</b>
LANTDIV	85-5356	AZORES	12110	OPERATIONAL	\$5,143,906	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	(\$16,982)
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CREQ	ELECTRICAL	\$130,351
						CRIT	EARTHWORK	\$7,751
						DSGN	EARTHWORK	\$11,950
						DSGN	ELECTRICAL	\$95,821
						IDEA	CIVIL	(\$166,625)
						PLAN	EARTHWORK	\$274,630
						PLAN	EARTHWORK	\$48,274
						TIME	TIME	\$0
						UNFO	EARTHWORK	\$9,992
						UNFO	EARTHWORK	\$127,429
						UNFO	EQUIPMENT	\$18,539
						UNFO	EXT. OVHD	\$87,500
						UNFO	HAZ. WASTE	\$123,110
						UNFO	HAZ. WASTE	(\$51,120)

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
LANTDIV	81-1481	AZORES	14170	OPERATIONAL	\$3,302,500	UNFO	PLUMBING	\$853
						UNFO	UTILITIES	\$19,586
						Total Mods. (\$)		\$721,059
						Mod. Rate (%)		14.02%
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CREQ	ELECTRICAL	\$11,608
						CREQ	PLUMBING	\$0
						CREQ	PLUMBING	\$6,513
						PLAN	ELECTRICAL	\$8,067
UNFO	EARTHWORK	\$8,451						
UNFO	EARTHWORK	\$14,793						
UNFO	EARTHWORK	\$8,500						
UNFO	UTILITIES	\$7,490						
Total Mods. (\$)		\$65,422						
Mod. Rate (%)		1.98%						
LANTDIV	88-8085	NO. CAROLINA	21710	MAINTENANCE	\$2,914,090	ADMIN	ADMIN	\$0
						CREQ	N/A	(\$4,036)
						CRIT	N/A	\$33,455
						CRIT	PLUMBING	\$40,000
						DSGN	CIVIL	\$4,439
						DSGN	CIVIL	\$3,771
						DSGN	ELECTRICAL	\$2,433
						DSGN	ELECTRICAL	\$12,803
						DSGN	N/A	(\$1,637)
						DSGN	PLUMBING	\$95,000
						DSGN	PLUMBING	\$7,204
						DSGN	ROOFING	\$9,653
						DSGN	UTILITIES	\$23,337
						DSGN	UTILITIES	\$11,231
						DSGN	UTILITIES	\$6,081
						DSGN	UTILITIES	\$1,490
						DSGN	UTILITIES	\$10,091
						DSGN	UTILITIES	\$23,377
						ERROR	HVAC	\$8,766
						UNFO	CIVIL	\$111,341
						UNFO	UTILITIES	\$9,900
Total Mods. (\$)		\$408,699						
Mod. Rate (%)		14.02%						
LANTDIV	88-8195	NO. CAROLINA	17120	TRAINING	\$2,100,000	ADMIN	ADMIN	\$0
						CLAIM	CLAIM	\$22,440
						CLAIM	CLAIM	\$5,000
						CREQ	CIVIL	\$4,000
						CREQ	CIVIL	\$4,950
						CREQ	FINISHES	\$3,569
						CREQ	FINISHES	\$1,305
						DSGN	ELECTRICAL	\$16,929
						DSGN	UTILITIES	\$830
						DSGN	UTILITIES	\$8,000
						DSGN	UTILITIES	\$11,111
						Total Mods. (\$)		\$78,134
						Mod. Rate (%)		3.72%
LANTDIV	89-9075	NO. CAROLINA	61010	ADMINISTRATIVE	\$2,385,131	CREQ	CIVIL	\$7,500
						CREQ	EQUIPMENT	\$17,062
						CREQ	FINISHES	\$16,740
						CRIT	CIVIL	\$8,174
						DSGN	HVAC	\$4,963
						UNFO	EARTHWORK	\$347
						UNFO	UTILITIES	\$4,222
						Total Mods. (\$)		\$59,008
						Mod. Rate (%)		2.47%
						WEST	84-4647	CALIFORNIA
ADMIN	ADMIN	\$0						
ADMIN	N/A	(\$11,584)						
CREQ	DOOR/WINDOW	(\$407)						
CREQ	DOOR/WINDOW	\$2,123						
CREQ	DOOR/WINDOW	\$984						
CREQ	HVAC	\$121						
CRIT	N/A	\$25,306						
DSGN	CIVIL	\$126						
DSGN	CIVIL	\$11,230						
DSGN	DOOR/WINDOW	\$220						
DSGN	ELECTRICAL	\$165						
DSGN	ELECTRICAL	\$2,934						

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)						
WEST	91-9526	CALIFORNIA	17135	TRAINING	\$1,674,489	DSGN	ELECTRICAL	\$77						
						DSGN	N/A	\$1,278						
						DSGN	N/A	\$8,412						
						DSGN	N/A	\$116						
						DSGN	N/A	\$817						
						DSGN	N/A	\$1,158						
						DSGN	N/A	\$3,822						
						DSGN	N/A	\$15,965						
						DSGN	N/A	\$611						
						DSGN	UTILITIES	\$1,989						
						PLAN	ELECTRICAL	\$5,879						
						UNFO	FINISHES	\$2,455						
						<b>Total Mods. (\$)</b>							<b>\$73,797</b>	
						<b>Mod. Rate (%)</b>							<b>4.41%</b>	
						ADMIN							ADMIN	\$0
						ADMIN							ADMIN	\$0
						ADMIN							ADMIN	\$0
						ADMIN							ADMIN	\$0
						ADMIN							ADMIN	\$0
						CREQ							ELECTRICAL	\$0
						DSGN							CIVIL	\$3,200
						DSGN							CIVIL	\$2,138
						DSGN							CIVIL	\$1,426
						DSGN							CIVIL	\$6,646
						DSGN							CIVIL	\$441
						DSGN							CIVIL	\$2,672
						DSGN							CIVIL	\$873
DSGN							CIVIL	\$496						
DSGN							CIVIL	\$3,103						
DSGN							CIVIL	\$0						
DSGN							CIVIL	\$776						
DSGN							CIVIL	\$266						
DSGN							DOOR/WINDOW	\$2,749						
DSGN							DOOR/WINDOW	\$1,325						
DSGN							ELECTRICAL	\$2,744						
DSGN							ELECTRICAL	\$1,064						
DSGN							FINISHES	\$3,081						
DSGN							FINISHES	\$4,853						
DSGN							HVAC	\$8,534						
DSGN							HVAC	\$3,518						
DSGN							HVAC	\$4,121						
DSGN							PLUMBING	\$6,264						
DSGN							ROOFING	\$7,359						
DSGN							ROOFING	\$8,315						
DSGN							ROOFING	\$3,981						
DSGN							ROOFING	\$479						
DSGN							ROOFING	\$3,179						
TIME							TIME	\$0						
UNFO							CIVIL	\$10,635						
UNFO							CIVIL	\$2,989						
UNFO							CIVIL	\$103						
UNFO							CIVIL	\$13,143						
UNFO							CIVIL	\$1,862						
UNFO							DEMOLITION	\$1,049						
UNFO							EARTHWORK	\$8,480						
UNFO							EARTHWORK	\$779						
UNFO							EARTHWORK	\$8,999						
UNFO							ELECTRICAL	\$8,842						
UNFO							ELECTRICAL	\$12,587						
UNFO							ELECTRICAL	\$480						
UNFO							ELECTRICAL	\$3,147						
UNFO							ELECTRICAL	\$3,017						
UNFO							ELECTRICAL	\$120						
UNFO							EXT. OVHD	\$3,918						
UNFO							PLUMBING	\$2,742						
<b>Total Mods. (\$)</b>							<b>\$166,495</b>							
<b>Mod. Rate (%)</b>							<b>9.94%</b>							
WEST	91-9470	CALIFORNIA	81320	UTILITIES IMPROVEMENTS	\$2,290,000	ADMIN	ADMIN	\$0						
						ADMIN	ADMIN	\$0						
						ADMIN	ADMIN	(\$8,349)						
						CREQ	CIVIL	\$15,130						
						CREQ	CIVIL	\$771						
						CREQ	CIVIL	\$11,059						
						CREQ	CIVIL	\$2,242						
						CREQ	ELECTRICAL	\$9,915						
						CREQ	ELECTRICAL	\$1,258						
						CREQ	ELECTRICAL	\$1,873						
						CREQ	ELECTRICAL	\$711						

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
						CREQ	ELECTRICAL	\$1,727
						CREQ	N/A	\$10,108
						CREQ	N/A	\$6,823
						DSGN	CIVIL	\$8,749
						DSGN	ELECTRICAL	\$470
						TIME	TIME	\$0
						TIME	TIME	\$0
						UNFO	DEMOLITION	\$4,165
						UNFO	EARTHWORK	\$26,762
						UNFO	EARTHWORK	\$28,309
						UNFO	EARTHWORK	\$6,634
						UNFO	EARTHWORK	\$2,478
						UNFO	ELECTRICAL	\$1,556
						UNFO	ELECTRICAL	\$3,003
						UNFO	HAZ. WASTE	\$9,595
						UNFO	UTILITIES	\$2,030
							<b>Total Mods. (\$)</b>	<b>\$147,019</b>
							<b>Mod. Rate (%)</b>	<b>6.42%</b>
WEST	90-1469	CALIFORNIA	51010	MEDICAL	\$1,870,426	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CREQ	ELECTRICAL	\$16,604
						CREQ	ELECTRICAL	\$11,009
						CREQ	ELECTRICAL	\$2,080
						CREQ	PLUMBING	\$2,997
						TIME	TIME	\$0
						UNFO	UTILITIES	\$4,030
							<b>Total Mods. (\$)</b>	<b>\$36,720</b>
							<b>Mod. Rate (%)</b>	<b>1.96%</b>
WEST	89-7107	CALIFORNIA	73015	COMMUNITY	\$3,574,000	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CLAIM	CLAIM	\$155,786
						CLAIM	CLAIM	\$74,294
						CREQ	CIVIL	(\$3,000)
						CREQ	N/A	\$9,326
						CRIT	ELECTRICAL	\$1,399
						DSGN	CIVIL	\$2,618
						DSGN	CIVIL	\$5,465
						DSGN	CIVIL	\$3,861
						DSGN	CIVIL	\$1,380
						DSGN	CIVIL	\$2,258
						DSGN	CIVIL	\$1,509
						DSGN	DOOR/WINDOW	\$8,266
						DSGN	DOOR/WINDOW	\$755
						DSGN	DOOR/WINDOW	\$2,964
						DSGN	EARTHWORK	\$1,697
						DSGN	EARTHWORK	\$1,463
						DSGN	ELECTRICAL	\$3,466
						DSGN	ELECTRICAL	\$4,840
						DSGN	ELECTRICAL	\$1,054
						DSGN	ELECTRICAL	\$1,377
						DSGN	ELECTRICAL	\$755
						DSGN	ELECTRICAL	\$5,004
						DSGN	EQUIPMENT	\$2,026
						DSGN	EQUIPMENT	\$977
						DSGN	HVAC	\$4,027
						DSGN	HVAC	\$2,124
						DSGN	N/A	\$3,832
						DSGN	N/A	\$8,803
						DSGN	N/A	\$493
						DSGN	N/A	\$21,295
						DSGN	N/A	\$1,788
						DSGN	N/A	\$2,417
						DSGN	PLUMBING	\$4,628
						DSGN	PLUMBING	\$4,690
						DSGN	PLUMBING	\$3,825
						DSGN	ROOFING	(\$716)
						PLAN	EARTHWORK	\$32,739
						TIME	TIME	\$0
						UNFO	ADMIN	\$0
						UNFO	CIVIL	\$2,500
						UNFO	CIVIL	\$12,796

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
						UNFO	CIVIL	\$1,202
						UNFO	CIVIL	\$1,068
						UNFO	CIVIL	\$1,861
						UNFO	CIVIL	\$950
						UNFO	CIVIL	\$1,021
						UNFO	CIVIL	\$1,409
						UNFO	CIVIL	\$8,412
						UNFO	CLAIM	\$10,077
						UNFO	DOOR/WINDOW	\$44,869
						UNFO	DOOR/WINDOW	\$1,021
						UNFO	DOOR/WINDOWS	\$38,624
						UNFO	ELECTRICAL	\$439
						UNFO	FINISHES	\$1,732
						UNFO	N/A	\$6,032
						UNFO	N/A	\$442
						UNFO	N/A	\$43,892
						UNFO	N/A	\$8,931
						UNFO	N/A	\$482
						UNFO	N/A	\$2,216
						UNFO	N/A	\$1
						UNFO	PLUMBING	\$2,526
						UNFO	PLUMBING	\$466
						UNFO	PLUMBING	\$988
						UNFO	PLUMBING	\$2,500
							Total Mods. (\$)	\$575,742
							Mod. Rate (%)	16.11%
WEST	89-6776	CALIFORNIA	72111	UNACCOMPANIED PERSONNEL HOUSING	\$7,450,000	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CREQ	ELECTRICAL	\$32,075
						CRIT	CIVIL	(\$11,000)
						DSGN	CIVIL	\$89,327
						DSGN	ELECTRICAL	\$68,580
						DSGN	ELECTRICAL	\$14,507
						PLAN	ADMIN	\$167,000
						UNFO	CIVIL	\$32,000
						UNFO	CIVIL	\$6,509
						UNFO	HAZ. WASTE	\$36,000
							Total Mods. (\$)	\$434,998
							Mod. Rate (%)	5.84%
WEST	89-6791	CALIFORNIA	41150	SUPPLY	\$8,956,000	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CLAIM	CLAIM	\$18,836
						CREQ	CIVIL	\$6,707
						CREQ	CIVIL	\$558
						CREQ	CIVIL	\$8,574
						CREQ	ELECTRICAL	\$23,214
						CREQ	ELECTRICAL	\$123,102
						CREQ	ELECTRICAL	\$11,300
						CREQ	ELECTRICAL	\$4,104
						CREQ	N/A	\$0
						CREQ	PLUMBING	\$20,893
						CREQ	PLUMBING	\$12,502
						CREQ	PLUMBING	\$7,700
						CREQ	PLUMBING	\$10,251
						CREQ	PLUMBING	\$9,103
						DSGN	CIVIL	(\$1,712)
						DSGN	CIVIL	\$2,000
						DSGN	DOOR/WINDOW	\$1,712
						DSGN	EARTHWORK	\$21,600
						DSGN	ELECTRICAL	\$10,301
						DSGN	ELECTRICAL	\$10,414
						DSGN	ELECTRICAL	\$9,581
						DSGN	N/A	\$6,480
						DSGN	N/A	\$154
						DSGN	PLUMBING	\$1,251
						DSGN	PLUMBING	\$1,000
						DSGN	PLUMBING	\$4,000
						DSGN	ROOFING	(\$4,945)
						PLAN	CIVIL	\$7,884
						TIME	TIME	\$0
						UNFO	EARTHWORK	\$2,661
						UNFO	EARTHWORK	\$4,590
						UNFO	EARTHWORK	\$3,825
						UNFO	EARTHWORK	\$14,500
						UNFO	ELECTRICAL	\$17,996
						UNFO	ELECTRICAL	\$14,728

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)						
WEST	87-7773	CALIFORNIA	72210	UNACCOMPANIED PERSONNEL HOUSING	\$3,184,000	UNFO	ELECTRICAL	\$786						
						UNFO	ELECTRICAL	\$3,571						
						UNFO	ELECTRICAL	\$452						
						UNFO	N/A	\$0						
						UNFO	PLUMBING	\$34,576						
						UNFO	PLUMBING	\$2,624						
						VALUE	CIVIL	(\$10,936)						
						VALUE	ELECTRICAL	(\$1,768)						
						VALUE	ELECTRICAL	(\$3,662)						
						VALUE	N/A	(\$15,836)						
						Total Mods. (\$)							\$394,671	
						Mod. Rate (%)							4.41%	
						WEST	84-4831	CALIFORNIA	31210	RDT & E	\$1,066,295	ADMIN	ADMIN	\$0
												ADMIN	ADMIN	\$0
												ADMIN	ADMIN	\$0
												CREQ	CIVIL	\$4,380
												CREQ	CIVIL	\$2,395
												CREQ	CIVIL	\$1,608
												CREQ	ELECTRICAL	\$2,304
												CREQ	ELECTRICAL	\$3,062
CREQ	FINISHES	\$520												
CREQ	PLUMBING	\$1,650												
DSGN	CIVIL	\$2,200												
DSGN	CIVIL	\$4,873												
DSGN	CIVIL	(\$376)												
DSGN	CIVIL	\$2,313												
DSGN	CIVIL	\$258												
DSGN	ELECTRICAL	\$1,272												
DSGN	FINISHES	\$4,505												
DSGN	FINISHES	\$1,338												
DSGN	FINISHES	\$1,800												
DSGN	HVAC	\$3,603												
DSGN	HVAC	\$3,955												
DSGN	N/A	\$4,306												
DSGN	PLUMBING	\$5,902												
IDEA	FINISHES	\$566												
IDEA	FINISHES	\$922												
IDEA	N/A	\$41,600												
IDEA	N/A	\$33,547												
IDEA	ROOFING	\$9,648												
UNFO	CIVIL	\$4,436												
UNFO	N/A	(\$3,599)												
UNFO	N/A	\$324												
UNFO	PLUMBING	\$4,350												
UNFO	PLUMBING	\$860												
UNFO	PLUMBING	\$1,470												
Total Mods. (\$)							\$145,992							
Mod. Rate (%)							4.59%							
WEST	90-1045	CALIFORNIA	42172	SUPPLY	\$1,772,073	DSGN	EARTHWORK	\$14,487						
						DSGN	N/A	\$16,557						
						UNFO	CIVIL	\$4,312						
						UNFO	CIVIL	\$6,225						
						UNFO	ELECTRICAL	\$15,164						
						UNFO	ELECTRICAL	\$12,477						
						UNFO	N/A	\$8,497						
						UNFO	PLUMBING	\$16,163						
						Total Mods. (\$)							\$93,882	
						Mod. Rate (%)							5.30%	
						WEST	89-6685	CALIFORNIA	72111	UNACCOMPANIED PERSONNEL HOUSING	\$10,140,000	ADMIN	ADMIN	\$0
												DSGN	CIVIL	\$0
												DSGN	CIVIL	\$17,988
DSGN	CIVIL	\$14,175												
DSGN	CIVIL	\$2,174												
DSGN	DOOR/WINDOW	\$49,497												



EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
						DSGN	ELECTRICAL	\$1,528
						DSGN	EXT. OVHD	\$15,345
						DSGN	HVAC	\$1,500
						DSGN	HVAC	\$14,795
						DSGN	PLUMBING	\$7,796
						DSGN	PLUMBING	\$3,492
						DSGN	PLUMBING	\$14,795
						TIME	TIME	\$0
						UNFO	CIVIL	\$20,287
						UNFO	CIVIL	\$20,509
						UNFO	EARTHWORK	\$20,000
							<b>Total Mods. (\$)</b>	<b>\$203,881</b>
							<b>Mod. Rate (%)</b>	<b>2.01%</b>
WEST	89-0782	CALIFORNIA	61010	ADMINISTRATIVE	\$1,128,651	CREQ	CIVIL	\$35,191
						CREQ	CIVIL	\$3,627
						CREQ	ELECTRICAL	\$5,408
						CREQ	FINISHES	\$2,782
						DSGN	DOOR/WINDOW	\$4,126
						DSGN	EARTHWORK	\$2,395
						DSGN	ELECTRICAL	\$13,428
						DSGN	ELECTRICAL	\$1,075
						DSGN	EQUIPMENT	\$13,916
						DSGN	FINISHES	\$1,658
						UNFO	ELECTRICAL	\$47,135
							<b>Total Mods. (\$)</b>	<b>\$130,741</b>
							<b>Mod. Rate (%)</b>	<b>11.58%</b>
WEST	86-0524	NEVADA	44110	SUPPLY	\$1,767,837	ADMIN	ADMIN	\$0
						CRIT	CIVIL	\$55,000
						DSGN	ADMIN	\$0
						DSGN	N/A	(\$2,067)
						PLAN	CIVIL	\$128,080
						VALUE	CIVIL	(\$2,448)
							<b>Total Mods. (\$)</b>	<b>\$178,565</b>
							<b>Mod. Rate (%)</b>	<b>10.10%</b>
WEST	87-7667	NEVADA	74024	COMMUNITY	\$2,893,000	ADMIN	ADMIN	\$0
						DSGN	CIVIL	\$19,041
						DSGN	FINISHES	\$8,312
						UNFO	N/A	(\$4,332)
							<b>Total Mods. (\$)</b>	<b>\$23,021</b>
							<b>Mod. Rate (%)</b>	<b>0.80%</b>
WEST	87-7684	CALIFORNIA	31715	RDT & E	\$16,554,000	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CREQ	CIVIL	\$1,257
						CREQ	CIVIL	\$75,000
						CREQ	CIVIL	\$79,183
						CREQ	CIVIL	\$4,922
						CREQ	CIVIL	\$69,098
						CREQ	CIVIL	\$9,212
						CREQ	ELECTRICAL	\$3,238
						CREQ	ELECTRICAL	\$0
						CREQ	ELECTRICAL	\$30,000
						CREQ	FINISHES	\$29,094
						CREQ	FINISHES	\$12,500
						CREQ	N/A	\$29,146
						CREQ	N/A	(\$1,082)
						CREQ	N/A	\$2,544
						CREQ	ROOFING	\$18,680
						CREQ	ROOFING	\$32,220
						CREQ	ROOFING	\$16,320
						CREQ	ROOFING	\$13,780
						DSGN	CIVIL	\$10,400
						DSGN	CIVIL	\$3,472
						DSGN	CIVIL	\$3,558
						DSGN	CIVIL	\$13,173
						DSGN	CIVIL	\$7,269
						DSGN	CIVIL	\$2,272
						DSGN	CIVIL	\$2,582
						DSGN	CIVIL	\$11,305
						DSGN	CIVIL	\$65,162
						DSGN	CIVIL	\$65
						DSGN	CIVIL	\$600
						DSGN	CIVIL	\$0
						DSGN	CIVIL	\$79,311
						DSGN	ELECTRICAL	\$40,176

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)						
SOUTH DIV	84-0517	FLORIDA	72111	UNACCOMPANIED PERSONNEL HOUSING	\$6,062,235	DSGN	EQUIPMENT	\$9,502						
						DSGN	HVAC	\$12,746						
						DSGN	N/A	\$8,850						
						DSGN	N/A	\$9,400						
						DSGN	N/A	\$16,460						
						DSGN	ROOFING	\$788						
						UNFO	CIVIL	\$1,574						
						UNFO	CIVIL	\$3,000						
						UNFO	CIVIL	\$10,047						
						UNFO	CIVIL	\$426						
						UNFO	CIVIL	\$120,000						
						UNFO	ELECTRICAL	\$10,500						
						UNFO	N/A	\$20,906						
						UNFO	N/A	\$5,254						
							Total Mods. (\$)	\$893,910						
							Mod. Rate (%)	5.40%						
						SOUTH DIV	89-0173	SO. CAROLINA	73013	COMMUNITY	\$3,287,000	CREQ	DOOR/WINDOW	\$0
CREQ	FINISHES	\$4,910												
CREQ	FINISHES	\$10,731												
CREQ	FINISHES	\$1,194												
CREQ	UTILITIES	\$5,500												
DSGN	PLUMBING	\$1,030												
DSGN	PLUMBING	\$921												
DSGN	ROOFING	\$2,180												
UNFO	CIVIL	\$4,462												
UNFO	CIVIL	\$8,037												
UNFO	CIVIL	\$25,821												
UNFO	PLUMBING	\$0												
	Total Mods. (\$)	\$64,786												
	Mod. Rate (%)	1.07%												
SOUTH DIV	89-0173	SO. CAROLINA	73013	COMMUNITY	\$3,287,000							ADMIN	ADMIN	\$0
												ADMIN	ADMIN	\$0
												ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0						
						ADMIN	ADMIN	\$0						
						ADMIN	ADMIN	\$0						
						ADMIN	ADMIN	\$0						
						ADMIN	ADMIN	(\$5,300)						
						ADMIN	ADMIN	\$27,299						
						CLAIM	CLAIM	\$50,522						
						CREQ	ELECTRICAL	\$6,897						
						CREQ	HAZ. WASTE	\$1,800						
						DSGN	CIVIL	\$6,124						
						DSGN	CIVIL	\$4,388						
						DSGN	CIVIL	\$5,746						
						DSGN	CIVIL	\$663						
						DSGN	CIVIL	\$666						
						DSGN	CIVIL	\$13,730						
						DSGN	CIVIL	\$1,991						
						DSGN	CIVIL	\$800						
						DSGN	CIVIL	\$1,454						
						DSGN	CIVIL	\$5,385						
						DSGN	DEMOLITION	\$3,363						
						DSGN	DOOR/WINDOW	\$4,073						
						DSGN	EARTHWORK	\$120						
						DSGN	ELECTRICAL	\$1,029						
						DSGN	ELECTRICAL	\$1,197						
						DSGN	ELECTRICAL	\$1,428						
						DSGN	ELECTRICAL	\$1,140						
						DSGN	ELECTRICAL	\$3,089						
						DSGN	ELECTRICAL	\$1,028						
						DSGN	EQUIPMENT	\$1,880						
						DSGN	FINISHES	\$1,039						
						DSGN	FINISHES	\$372						
						DSGN	FINISHES	\$127						
						DSGN	HVAC	\$698						
						DSGN	HVAC	\$13,946						
						DSGN	PLUMBING	\$3,182						
						DSGN	PLUMBING	\$3,876						
						DSGN	UTILITIES	\$1,207						
						ERROR	CIVIL	\$8,238						
ERROR	ELECTRICAL	\$1,733												
ERROR	ELECTRICAL	\$10,377												
ERROR	ELECTRICAL	\$3,136												
ERROR	ELECTRICAL	\$1,360												
ERROR	EQUIPMENT	\$1,194												
ERROR	FINISHES	\$14,582												
ERROR	PLUMBING	\$2,556												
UNFO	ADMIN	\$0												

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
						UNFO	CIVIL	\$9,200
						UNFO	CIVIL	\$5,244
						UNFO	CIVIL	(\$2,195)
						UNFO	CIVIL	\$1,659
						UNFO	EARTHWORK	(\$500)
						UNFO	HAZ. WASTE	(\$364)
						UNFO	UTILITIES	\$1,367
						VALUE	CIVIL	(\$6,580)
							<b>Total Mods. (\$)</b>	<b>\$215,966</b>
							<b>Mod. Rate (%)</b>	<b>6.57%</b>
SOUTHDIV	86-0016	SO. CAROLINA	54010	MEDICAL	\$2,909,800	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	CIVIL	\$483
						CREQ	CIVIL	\$1,823
						CREQ	CIVIL	\$10,000
						CREQ	CIVIL	\$561
						CREQ	CIVIL	\$0
						CREQ	DOOR/WINDOW	\$1,818
						CREQ	FINISHES	\$1,156
						CREQ	N/A	(\$1,207)
						CREQ	UTILITIES	\$5,412
						DSGN	CIVIL	\$15,809
						DSGN	CIVIL	\$4,718
						DSGN	CIVIL	\$1,095
						DSGN	CIVIL	\$699
						DSGN	CIVIL	(\$3,412)
						DSGN	DOOR/WINDOW	\$3,541
						DSGN	ELECTRICAL	\$5,000
						DSGN	ELECTRICAL	\$20,000
						DSGN	ELECTRICAL	\$1,310
						DSGN	EQUIPMENT	\$0
						DSGN	EQUIPMENT	\$28,480
						DSGN	N/A	(\$7,709)
						DSGN	PLUMBING	\$80,701
						DSGN	ROOFING	\$5,839
						DSGN	UTILITIES	\$2,000
						TIME	TIME	\$0
						UNFO	CIVIL	\$4,000
						UNFO	CIVIL	\$1,625
						UNFO	DEMOLITION	\$2,000
						UNFO	DOOR/WINDOW	\$854
						UNFO	DOOR/WINDOW	\$7,572
						UNFO	ELECTRICAL	\$1,247
						UNFO	ELECTRICAL	\$15,023
						UNFO	PLUMBING	\$7,871
							<b>Total Mods. (\$)</b>	<b>\$218,309</b>
							<b>Mod. Rate (%)</b>	<b>7.50%</b>
SOUTHDIV	86-0725	MISSISSIPPI	21330	MAINTENANCE	\$3,193,237	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	CIVIL	(\$14,142)
						CREQ	CIVIL	\$0
						CREQ	CIVIL	\$15,000
						CREQ	CIVIL	\$11,752
						CREQ	FINISHES	\$2,500
						DSGN	DOOR/WINDOW	\$3,200
						DSGN	ELECTRICAL	\$11,927
						DSGN	ELECTRICAL	\$10,511
						DSGN	ELECTRICAL	\$10,163
						DSGN	ELECTRICAL	\$3,650
						DSGN	ELECTRICAL	\$13,075
						DSGN	FINISHES	\$4,767
						DSGN	HVAC	\$1,661
						DSGN	HVAC	\$6,300
						DSGN	UTILITIES	\$5,493
						DSGN	UTILITIES	\$12,000
						DSGN	UTILITIES	\$998
						TIME	TIME	\$0
						TIME	TIME	\$0
						UNFO	CIVIL	\$1,181
						UNFO	DEMOLITION	\$1,800
						UNFO	EARTHWORK	\$60,000
						UNFO	EARTHWORK	\$17,391

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)						
SOUTH DIV	88-0035	MISSISSIPPI	72111	UNACCOMPANIED PERSONNEL HOUSING	\$3,412,447		<b>Total Mods. (\$)</b>	<b>\$179,227</b>						
							<b>Mod. Rate (%)</b>	<b>5.61%</b>						
						ADMIN	ADMIN	\$0						
						ADMIN	ADMIN	\$0						
						ADMIN	ADMIN	\$0						
						CREQ	CIVIL	\$10,000						
						CREQ	CIVIL	(\$170)						
						DSGN	CIVIL	\$4,777						
						DSGN	ELECTRICAL	\$3,018						
						DSGN	ELECTRICAL	\$24,107						
						DSGN	FINISHES	\$6,000						
						DSGN	ROOFING	\$12,921						
						TIME	ADMIN	\$0						
						TIME	TIME	\$0						
						UNFO	CIVIL	\$31,262						
						UNFO	ELECTRICAL	\$10,000						
							<b>Total Mods. (\$)</b>	<b>\$101,915</b>						
	<b>Mod. Rate (%)</b>	<b>2.99%</b>												
SOUTH DIV	89-0956	MISSISSIPPI	72210	UNACCOMPANIED PERSONNEL HOUSING	\$1,066,448	CREQ	CIVIL	\$517						
						CREQ	CIVIL	(\$3,053)						
						CREQ	DOOR/WINDOW	\$4,055						
						CREQ	UTILITIES	\$35,662						
						DSGN	CIVIL	\$27,000						
						DSGN	DOOR/WINDOW	\$652						
						DSGN	ELECTRICAL	\$11,342						
						DSGN	HVAC	\$419						
						UNFO	EARTHWORK	\$50,000						
						UNFO	EARTHWORK	\$13,088						
							<b>Total Mods. (\$)</b>	<b>\$139,682</b>						
							<b>Mod. Rate (%)</b>	<b>13.10%</b>						
						SOUTH DIV	86-0727	MISSISSIPPI	61010	ADMINISTRATIVE	\$1,705,500	ADMIN	ADMIN	\$0
												ADMIN	ADMIN	\$0
ADMIN	ADMIN	\$0												
ADMIN	ADMIN	\$0												
ADMIN	ADMIN	\$0												
ADMIN	ADMIN	\$0												
CREQ	CIVIL	\$9,750												
CREQ	CIVIL	(\$69)												
CREQ	CIVIL	\$22,000												
CREQ	CIVIL	(\$3,429)												
DSGN	CIVIL	\$10,000												
DSGN	CIVIL	(\$3,950)												
DSGN	CIVIL	(\$181)												
DSGN	CIVIL	\$17,812												
DSGN	CIVIL	\$4,494												
DSGN	CIVIL	(\$10)												
DSGN	CIVIL	\$2,500												
DSGN	HVAC	\$2,200												
DSGN	HVAC	\$0												
DSGN	HVAC	\$3,275												
DSGN	UTILITIES	\$35,044												
TIME	TIME	\$0												
TIME	TIME	\$0												
TIME	TIME	\$0												
UNFO	EARTHWORK	\$50,000												
UNFO	EARTHWORK	\$35,000												
UNFO	EARTHWORK	\$5,852												
UNFO	ELECTRICAL	(\$248)												
UNFO	ELECTRICAL	(\$67)												
	<b>Total Mods. (\$)</b>	<b>\$189,973</b>												
	<b>Mod. Rate (%)</b>	<b>11.14%</b>												
SOUTH DIV	86-0112	TEXAS	21105	MAINTENANCE	\$7,149,000	ADMIN	ADMIN	\$0						
						CREQ	CIVIL	\$32,752						
						CREQ	CIVIL	\$48,541						
						TIME	TIME	\$0						
						UNFO	CIVIL	\$6,534						
						UNFO	CIVIL	\$1,469						
						UNFO	CIVIL	\$26,500						
						UNFO	CIVIL	\$11,481						
						UNFO	CIVIL	\$3,269						
						UNFO	CIVIL	\$7,248						
						UNFO	CIVIL	\$11,700						
						UNFO	CIVIL	\$10,897						
						UNFO	CIVIL	\$7,672						
						UNFO	ELECTRICAL	\$8,005						
						UNFO	ELECTRICAL	\$4,200						
						UNFO	EXT. OVHD	\$58,762						

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)						
SOUTH DIV	81-0673	FLORIDA	14817	OPERATIONAL	\$4,799,000	UNFO	HAZ. WASTE	\$10,733						
						UNFO	HAZ. WASTE	\$1,657						
						UNFO	HVAC	\$12,987						
						UNFO	HVAC	\$3,150						
						UNFO	UTILITIES	\$5,607						
						Total Mods. (\$)		\$273,164						
						Mod. Rate (%)		3.82%						
						ADMIN	ADMIN	\$0						
						ADMIN	ADMIN	\$147,844						
						ADMIN	ADMIN	\$0						
						CREQ	ELECTRICAL	\$237,146						
						CREQ	EQUIPMENT	\$5,146						
						CRIT	CIVIL	\$24,221						
						DSGN	CIVIL	\$25,805						
						DSGN	CIVIL	\$1,976						
DSGN	ELECTRICAL	\$10,544												
DSGN	ELECTRICAL	\$10,260												
DSGN	EQUIPMENT	\$13,100												
DSGN	EQUIPMENT	\$4,960												
DSGN	EXT. OVHD	\$80,900												
DSGN	PLUMBING	\$5,948												
UNFO	ADMIN	(\$6,000)												
UNFO	ELECTRICAL	\$6,451												
UNFO	HVAC	\$22,511												
VALUE	ELECTRICAL	(\$12,833)												
Total Mods. (\$)		\$577,979												
Mod. Rate (%)		12.04%												
SOUTH DIV	83-0370	TENNESSEE	17135	TRAINING	\$4,948,000	ADMIN	ADMIN	\$0						
						CREQ	ELECTRICAL	\$251						
						CRIT	CIVIL	(\$9,356)						
						DSGN	DOOR/WINDOW	\$5,896						
						DSGN	ELECTRICAL	(\$4,000)						
						DSGN	ELECTRICAL	\$1,751						
						DSGN	FINISHES	\$9,443						
						DSGN	ROOFING	\$789						
						PLAN	DOOR/WINDOW	\$2,990						
						SCOPE	CIVIL	(\$933)						
						SCOPE	CIVIL	(\$6,150)						
						TIME	TIME	\$0						
						Total Mods. (\$)		\$681						
						Mod. Rate (%)		0.01%						
						SOUTH DIV	84-0234	TENNESSEE	17120	TRAINING	\$1,919,800	ADMIN	ADMIN	\$0
CREQ	CIVIL	\$6,577												
CREQ	CIVIL	\$4,073												
CREQ	EQUIPMENT	\$1,213												
DSGN	DEMOLITION	\$3,000												
DSGN	ELECTRICAL	\$5,219												
DSGN	EQUIPMENT	\$3,400												
TIME	TIME	\$0												
UNFO	CIVIL	\$8,268												
UNFO	EQUIPMENT	\$22,423												
Total Mods. (\$)		\$54,173												
Mod. Rate (%)		2.82%												
SOUTH DIV	83-0232	TENNESSEE	73015	COMMUNITY	\$2,957,500							ADMIN	ADMIN	\$0
												CREQ	DOOR/WINDOW	\$1,807
												DSGN	CIVIL	\$4,036
						DSGN	CIVIL	\$1,500						
						DSGN	CIVIL	\$549						
						DSGN	CIVIL	\$6,234						
						DSGN	ELECTRICAL	\$3,246						
						DSGN	EXT. OVHD	\$31,800						
						DSGN	FINISHES	\$5,000						
						DSGN	PLUMBING	\$3,500						
						TIME	TIME	\$0						
						UNFO	CIVIL	\$11,952						
						Total Mods. (\$)		\$69,624						
						Mod. Rate (%)		2.35%						
						SOUTH DIV	85-0716	TENNESSEE	72114	UNACCOMPANIED PERSONNEL HOUSING	\$8,025,000	ADMIN	ADMIN	\$0
CRIT	ELECTRICAL	(\$11,892)												
DSGN	CIVIL	\$10,118												
DSGN	CIVIL	\$3,307												
DSGN	CIVIL	(\$5,155)												
DSGN	DOOR/WINDOW	\$3,456												
DSGN	ROOFING	\$12,209												
ERROR	CIVIL	\$55,616												

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
SOUTHDIV	87-0013	GEORGIA	21410	MAINTENANCE	\$1,538,000	UNFO	ADMIN	(\$300)
						UNFO	CIVIL	(\$23,172)
						UNFO	EARTHWORK	\$10,223
						UNFO	HAZ. WASTE	\$6,581
						UNFO	UTILITIES	\$2,818
						UNFO	ROOFING	(\$7,920)
						UNFO	VALUE	\$55,889
							<b>Total Mods. (\$)</b>	<b>\$55,889</b>
							<b>Mod. Rate (%)</b>	<b>0.70%</b>
						ADMIN	ADMIN	\$0
						CREQ	HVAC	\$5,764
						CREQ	PLUMBING	\$1,000
						DSGN	CIVIL	\$1,966
DSGN	CIVIL	\$2,198						
DSGN	EQUIPMENT	(\$3,506)						
DSGN	HVAC	\$1,050						
DSGN	PLUMBING	\$967						
DSGN	PLUMBING	\$9,600						
DSGN	UTILITIES	\$3,518						
DSGN	UTILITIES	\$3,737						
UNFO	CIVIL	\$10,000						
UNFO	PLUMBING	\$1,350						
	<b>Total Mods. (\$)</b>	<b>\$37,644</b>						
	<b>Mod. Rate (%)</b>	<b>2.45%</b>						
SOUTHDIV	86-0096	TEXAS	17115	TRAINING	\$2,799,970	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CLAIM	CLAIM	\$3,037
						CLAIM	CLAIM	\$2,326
						DSGN	CIVIL	\$3,305
						DSGN	CIVIL	\$905
						DSGN	HVAC	(\$4,026)
						UNFO	CIVIL	(\$100)
						UNFO	CIVIL	(\$560)
						UNFO	CIVIL	\$158
						UNFO	CIVIL	(\$155)
						UNFO	EARTHWORK	\$1,090
						UNFO	UTILITIES	\$15,192
						UNFO	UTILITIES	\$1,793
						UNFO	UTILITIES	\$2,977
						UNFO	UTILITIES	\$241
							<b>Total Mods. (\$)</b>	<b>\$26,183</b>
							<b>Mod. Rate (%)</b>	<b>0.94%</b>
CHESAPEAKE	89-0015	VIRGINIA	17120	TRAINING	\$3,398,000	ADMIN	ADMIN	\$0
						CREQ	ELECTRICAL	\$36,392
						CREQ	FINISHES	\$5,434
						UNFO	CIVIL	\$15,552
						UNFO	CIVIL	\$7,589
						UNFO	DOOR/WINDOW	\$2,073
						UNFO	DOOR/WINDOW	\$6,033
						UNFO	ELECTRICAL	\$2,848
						UNFO	ELECTRICAL	\$19,009
						UNFO	ELECTRICAL	\$6,562
						UNFO	ELECTRICAL	\$15,987
						UNFO	EXT. OVHD	\$3,491
						UNFO	EXT. OVHD	\$6,846
						UNFO	HVAC	\$12,662
						UNFO	PLUMBING	\$3,472
						UNFO	PLUMBING	\$29,457
						UNFO	UTILITIES	\$8,917
							<b>Total Mods. (\$)</b>	<b>\$182,324</b>
							<b>Mod. Rate (%)</b>	<b>5.37%</b>
CHESAPEAKE	85-0106	WASHINGTON	61010	ADMINISTRATIVE	\$1,733,000	DSGN	DEMOLITION	\$3,159
						DSGN	DOOR/WINDOW	\$9,694
						DSGN	ELECTRICAL	\$3,743
						DSGN	HAZ. WASTE	\$8,528
						DSGN	UTILITIES	\$8,632
						TIME	TIME	\$0
						UNFO	CIVIL	\$1,417
						UNFO	CIVIL	\$15,179
						UNFO	DEMOLITION	\$467
						UNFO	DOOR/WINDOW	\$11,162
						UNFO	ELECTRICAL	\$1,835
						UNFO	ELECTRICAL	\$1,494
						UNFO	FINISHES	\$11,792
						UNFO	N/A	(\$15,675)
	<b>Total Mods. (\$)</b>	<b>\$61,427</b>						

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
CHESAPEAKE	86-0031	WASHINGTON	61010	ADMINISTRATIVE	\$2,100,421		Mod. Rate (%)	3.54%
						ADMIN	ADMIN	\$42,429
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CREQ	CIVIL	\$49,949
						CREQ	CIVIL	\$5,170
						CREQ	DOOR/WINDOW	\$7,956
						CREQ	DOOR/WINDOW	\$1,443
						CREQ	ELECTRICAL	\$4,775
						CREQ	HVAC	\$430
						CREQ	PLUMBING	\$12,308
						DSGN	CIVIL	\$9,300
						DSGN	CIVIL	\$880
						DSGN	CIVIL	\$2,850
						DSGN	CIVIL	\$2,425
						DSGN	ELECTRICAL	\$2,000
						DSGN	ELECTRICAL	\$504
						DSGN	HVAC	\$7,503
						DSGN	HVAC	\$2,253
						DSGN	PLUMBING	\$6,073
						DSGN	PLUMBING	\$824
						DSGN	UTILITIES	\$5,231
						PLAN	EARTHWORK	\$46,144
						UNFO	CIVIL	(\$2,333)
						UNFO	CIVIL	\$21,500
						UNFO	CIVIL	\$438
						UNFO	DEMOLITION	\$1,415
						UNFO	DOOR/WINDOW	\$3,886
						UNFO	DOOR/WINDOW	\$4,684
						UNFO	EARTHWORK	\$7,645
						UNFO	EARTHWORK	\$1,400
						UNFO	EARTHWORK	\$800
						UNFO	ELECTRICAL	(\$14,500)
						UNFO	ELECTRICAL	\$1,882
						UNFO	ELECTRICAL	\$3,204
						UNFO	EQUIPMENT	\$2,962
						UNFO	EQUIPMENT	\$22,498
						UNFO	FINISHES	\$33,047
						UNFO	FINISHES	\$10,700
						UNFO	FINISHES	\$1,756
						UNFO	FINISHES	\$2,947
						UNFO	FINISHES	\$1,000
						UNFO	HAZ. WASTE	\$13,051
						UNFO	PLUMBING	\$10,195
						UNFO	PLUMBING	\$2,997
						UNFO	PLUMBING	\$4,774
						UNFO	PLUMBING	\$1,967
UNFO	PLUMBING	\$3,334						
UNFO	UTILITIES	\$35,268						
UNFO	UTILITIES	\$607						
UNFO	UTILITIES	\$13,367						
UNFO	UTILITIES	\$4,374						
UNFO	UTILITIES	\$5,936						
	<b>Total Mods. (\$)</b>	<b>\$411,248</b>						
	<b>Mod. Rate (%)</b>	<b>19.58%</b>						
CHESAPEAKE	86-0276	WASHINGTON	61010	ADMINISTRATIVE	\$4,090,000	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						DSGN	DEMOLITION	\$19,712
						DSGN	ROOFING	\$12,444
						TIME	TIME	\$0
						UNFO	CIVIL	\$23,654
						UNFO	CIVIL	\$4,723
						UNFO	CIVIL	\$7,250
						UNFO	DOOR/WINDOW	\$2,643
						UNFO	ELECTRICAL	\$5,857
						UNFO	FINISHES	\$8,989
							<b>Total Mods. (\$)</b>	<b>\$85,272</b>
							<b>Mod. Rate (%)</b>	<b>2.08%</b>
CHESAPEAKE	86-0023	WASHINGTON	21420	MAINTENANCE	\$5,757,510	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CLAIM	CLAIM	\$94,627
						CREQ	CIVIL	\$35,602
						CREQ	EARTHWORK	(\$80,000)
						CREQ	ELECTRICAL	\$7,121
						CREQ	EQUIPMENT	\$329,925
						CREQ	FINISHES	\$1,275
CREQ	N/A	\$0						

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
						CREQ	N/A	(\$45,951)
						DSGN	CIVIL	\$4,545
						DSGN	CIVIL	\$14,990
						DSGN	CIVIL	\$4,792
						DSGN	CIVIL	\$2,500
						DSGN	CIVIL	\$1,121
						DSGN	CIVIL	\$10,914
						DSGN	EARTHWORK	\$8,705
						DSGN	ELECTRICAL	\$50,261
						DSGN	ELECTRICAL	\$1,088
						DSGN	EXT. OVHD	\$5,849
						DSGN	FINISHES	\$8,288
						DSGN	HVAC	\$28,500
						DSGN	HVAC	\$5,000
						DSGN	HVAC	\$9,557
						DSGN	N/A	\$1,142
						DSGN	PLUMBING	\$1,000
						DSGN	PLUMBING	\$11,624
						DSGN	PLUMBING	\$1,632
						DSGN	ROOFING	\$4,000
						DSGN	ROOFING	\$17,461
						DSGN	ROOFING	\$3,349
						ERROR	CIVIL	\$12,043
						ERROR	CIVIL	\$979
						ERROR	CIVIL	\$11,189
						ERROR	CIVIL	\$2,720
						SCOPE	N/A	(\$2,518)
						UNFO	CIVIL	\$86,340
						UNFO	CIVIL	\$7,220
						UNFO	CIVIL	\$9,060
						UNFO	EARTHWORK	\$6,495
						UNFO	N/A	\$572
						UNFO	PLUMBING	\$26,257
						UNFO	UTILITIES	\$13,266
							<b>Total Mods. (\$)</b>	<b>\$712,540</b>
							<b>Mod. Rate (%)</b>	<b>12.38%</b>
CHESAPEAKE	87-0149	WASHINGTON	31011	RDY & E	\$2,263,355	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CREQ	DOOR/WINDOW	\$425
						CREQ	ELECTRICAL	\$11,000
						CREQ	ELECTRICAL	\$79,429
						CREQ	HVAC	\$5,970
						CREQ	N/A	(\$15,000)
						CREQ	N/A	\$5,970
						CREQ	PLUMBING	\$7,782
						CREQ	PLUMBING	\$772
						CRIT	ELECTRICAL	\$4,117
						DSGN	CIVIL	\$3,500
						DSGN	CIVIL	\$7,041
						DSGN	CIVIL	\$8,756
						DSGN	ELECTRICAL	\$18,596
						DSGN	ELECTRICAL	\$2,168
						DSGN	ELECTRICAL	\$5,004
						DSGN	EXT. OVHD	\$3,432
						DSGN	FINISHES	\$0
						DSGN	FINISHES	\$12,036
						DSGN	FINISHES	\$1,030
						DSGN	FINISHES	\$2,500
						DSGN	HVAC	\$1,506
						DSGN	HVAC	\$3,441
						DSGN	N/A	\$9,939
						DSGN	N/A	\$20,231
						DSGN	N/A	\$3,547
						DSGN	PLUMBING	\$1,240
						DSGN	PLUMBING	\$5,260
						DSGN	PLUMBING	\$5,000
						DSGN	PLUMBING	\$551
						DSGN	ROOFING	\$6,278
						UNFO	CIVIL	\$2,048
						UNFO	DEMOLITION	\$4,399
						UNFO	ELECTRICAL	\$46,755
						UNFO	ELECTRICAL	\$3,400
						UNFO	ELECTRICAL	\$9,395
						UNFO	ELECTRICAL	\$0
						UNFO	ELECTRICAL	\$514
						UNFO	ELECTRICAL	\$796
						UNFO	ELECTRICAL	\$2,128
						UNFO	FINISHES	\$3,214
						UNFO	HAZ. WASTE	\$9,316



EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)					
CHESAPEAKE	86-0067	WASHINGTON	13115	OPERATIONAL	\$2,810,000	UNFO	HAZ. WASTE	\$1,518					
						UNFO	N/A	\$676					
						UNFO	UTILITIES	\$3,629					
						UNFO	UTILITIES	\$11,809					
						UNFO	UTILITIES	\$2,229					
						Total Mods. (\$)							\$323,347
						Mod. Rate (%)							14.29%
						ADMIN	ADMIN	\$0					
						ADMIN	ADMIN	\$0					
						ADMIN	ADMIN	\$0					
						CREQ	ELECTRICAL	\$5,222					
						DSGN	DOOR/WINDOW	\$3,030					
						DSGN	ELECTRICAL	\$7,527					
						DSGN	ELECTRICAL	\$9,618					
						DSGN	ELECTRICAL	\$4,405					
						DSGN	ELECTRICAL	\$2,756					
						DSGN	EQUIPMENT	\$2,907					
						DSGN	FINISHES	\$5,397					
						DSGN	HAZ. WASTE	\$3,215					
						DSGN	HVAC	\$9,449					
						DSGN	HVAC	\$9,304					
UNFO	CIVIL	\$8,700											
UNFO	CIVIL	\$1,980											
UNFO	CIVIL	\$19,000											
UNFO	ELECTRICAL	\$5,600											
UNFO	EQUIPMENT	\$300,175											
UNFO	EXT. OVHD	\$45,303											
UNFO	HAZ. WASTE	\$10,000											
UNFO	HAZ. WASTE	\$209,530											
UNFO	HAZ. WASTE	\$60,000											
UNFO	HAZ. WASTE	\$45,000											
UNFO	HAZ. WASTE	\$5,898											
UNFO	HAZ. WASTE	\$72,000											
UNFO	UTILITIES	\$13,310											
Total Mods. (\$)							\$859,326						
Mod. Rate (%)							30.58%						
CHESAPEAKE	86-0025	WASHINGTON	31720	RDT & E	\$1,350,000	ADMIN	ADMIN	\$0					
						ADMIN	ADMIN	(\$4,050)					
						DSGN	CIVIL	\$1,190					
						DSGN	DOOR/WINDOW	\$708					
						DSGN	N/A	(\$780)					
						DSGN	N/A	(\$1,339)					
						DSGN	UTILITIES	\$2,679					
						UNFO	CIVIL	\$477					
						UNFO	ROOFING	\$298					
						UNFO	UTILITIES	\$8,059					
						Total Mods. (\$)							\$7,242
						Mod. Rate (%)							0.54%
						CHESAPEAKE	88-0202	WASHINGTON	31710	RDT & E	\$1,964,625	ADMIN	ADMIN
CREQ	CIVIL	\$1,367											
CREQ	CIVIL	\$517											
CREQ	DOOR/WINDOW	\$7,840											
DSGN	CIVIL	\$1,335											
DSGN	CIVIL	\$8,450											
DSGN	ELECTRICAL	\$7,884											
DSGN	ELECTRICAL	\$3,418											
DSGN	ELECTRICAL	\$2,764											
DSGN	ELECTRICAL	\$1,468											
DSGN	FINISHES	\$4,444											
DSGN	HVAC	\$6,056											
DSGN	HVAC	\$1,400											
DSGN	N/A	\$0											
DSGN	N/A	\$3,628											
DSGN	N/A	\$3,749											
DSGN	UTILITIES	(\$13,000)											
ERROR	ELECTRICAL	\$19,416											
UNFO	EARTHWORK	\$35,000											
UNFO	ELECTRICAL	\$4,096											
UNFO	ELECTRICAL	\$26,439											
UNFO	UTILITIES	\$668											
Total Mods. (\$)							\$126,939						
Mod. Rate (%)							6.46%						
CHESAPEAKE	85-0119	MARYLAND	21111	MAINTENANCE	\$3,956,000	ADMIN	ADMIN	\$0					
						ADMIN	ADMIN	\$0					
						DSGN	CIVIL	\$8,240					
						DSGN	CIVIL	\$2,050					

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)						
CHESAPEAKE	85-0127	MARYLAND	21145	MAINTENANCE	\$1,938,000	DSGN	CIVIL	\$1,205						
						DSGN	CIVIL	\$239,393						
						DSGN	DOOR/WINDOW	\$325						
						DSGN	ELECTRICAL	\$3,487						
						DSGN	ELECTRICAL	\$3,509						
						DSGN	ELECTRICAL	\$2,371						
						DSGN	ELECTRICAL	\$5,441						
						DSGN	FINISHES	\$1,152						
						DSGN	HVAC	\$30,900						
						DSGN	PLUMBING	\$11,985						
						UNFO	CIVIL	(\$7,500)						
						UNFO	CIVIL	(\$30,000)						
						UNFO	CIVIL	\$2,413						
						UNFO	CIVIL	\$3,183						
						UNFO	DEMOLITION	\$5,300						
						UNFO	DEMOLITION	\$2,700						
						UNFO	EARTHWORK	\$8,500						
						UNFO	ELECTRICAL	\$613						
						UNFO	ELECTRICAL	(\$5,746)						
						UNFO	ELECTRICAL	(\$4,659)						
						UNFO	ELECTRICAL	\$1,341						
						UNFO	EQUIPMENT	\$638						
						UNFO	PLUMBING	\$2,000						
						UNFO	UTILITIES	\$3,500						
								<b>Total Mods. (\$)</b>	<b>\$292,341</b>					
		<b>Mod. Rate (%)</b>	<b>7.39%</b>											
CHESAPEAKE	83-0378	MARYLAND	88011	UTILITIES IMPROVEMENTS	\$1,192,695	CREQ	HVAC	\$900						
						DSGN	N/A	\$0						
						DSGN	N/A	\$0						
						DSGN	PLUMBING	\$1,120						
						DSGN	ROOFING	\$560						
						DSGN	UTILITIES	\$1,190						
						ERROR	CIVIL	\$3,440						
						ERROR	CIVIL	\$2,357						
						UNFO	DEMOLITION	\$0						
						UNFO	DEMOLITION	\$3,194						
						UNFO	EARTHWORK	\$1,295						
						UNFO	EARTHWORK	\$24,000						
						UNFO	ELECTRICAL	\$1,591						
						UNFO	N/A	(\$15,000)						
						UNFO	PLUMBING	\$15,105						
						UNFO	UTILITIES	\$338						
								<b>Total Mods. (\$)</b>	<b>\$40,090</b>					
								<b>Mod. Rate (%)</b>	<b>2.07%</b>					
						CHESAPEAKE	86-0319	MARYLAND	22681	PRODUCTION	\$5,529,800	ADMIN	ADMIN	\$0
												ADMIN	ADMIN	(\$1,204)
												ADMIN	ADMIN	\$0
												ADMIN	ADMIN	\$0
												DSGN	ELECTRICAL	\$2,854
												DSGN	ELECTRICAL	\$2,667
												DSGN	HVAC	\$2,586
DSGN	UTILITIES	\$29,822												
ERROR	DEMOLITION	\$1,608												
ERROR	ELECTRICAL	\$8,196												
TIME	TIME	\$0												
UNFO	CIVIL	\$984												
UNFO	CIVIL	\$32,738												
UNFO	ELECTRICAL	\$2,651												
UNFO	EQUIPMENT	\$892												
UNFO	HAZ. WASTE	\$1,304												
UNFO	N/A	(\$15,437)												
UNFO	N/A	(\$1,705)												
UNFO	UTILITIES	\$400												
UNFO	UTILITIES	\$2,500												
		<b>Total Mods. (\$)</b>	<b>\$70,856</b>											
		<b>Mod. Rate (%)</b>	<b>5.94%</b>											
CHESAPEAKE	86-0319	MARYLAND	22681	PRODUCTION	\$5,529,800							ADMIN	ADMIN	\$0
												CREQ	ELECTRICAL	\$1,500
												CREQ	ELECTRICAL	\$14,000
						CREQ	ELECTRICAL	\$43,100						
						CREQ	ELECTRICAL	\$0						
						CREQ	HVAC	\$5,623						
						CREQ	N/A	\$147,000						
						CREQ	N/A	\$9,690						
						DSGN	CIVIL	\$15,967						
						DSGN	CIVIL	\$17,025						
DSGN	ELECTRICAL	\$18,837												

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)	
CHESAPEAKE	89-0018	MARYLAND	83320	UTILITIES IMPROVEMENTS	\$2,171,000	DSGN	ELECTRICAL	\$17,890	
						DSGN	N/A	\$2,153	
						DSGN	N/A	\$16,740	
						DSGN	PLUMBING	\$31,903	
						UNFO	EARTHWORK	\$66,674	
						UNFO	ELECTRICAL	\$58,875	
						UNFO	N/A	\$1,529	
							<b>Total Mods. (\$)</b>	<b>\$468,506</b>	
							<b>Mod. Rate (%)</b>	<b>8.47%</b>	
						CHESAPEAKE	86-0155	VIRGINIA	72111
DSGN	CIVIL	\$16,490							
DSGN	CIVIL	\$46,911							
DSGN	CIVIL	\$20,000							
DSGN	EQUIPMENT	\$499,963							
DSGN	HVAC	\$2,682							
UNFO	CIVIL	\$7,250							
UNFO	CIVIL	\$10,000							
UNFO	DEMOLITION	\$19,820							
UNFO	EARTHWORK	\$3,652							
	<b>Total Mods. (\$)</b>	<b>\$626,768</b>							
	<b>Mod. Rate (%)</b>	<b>28.87%</b>							
MIDWEST	83-0006	COLORADO	17115	TRAINING	\$10,200,000	CREQ	PLUMBING	\$4,353	
						PLAN	EARTHWORK	\$12,000	
						PLAN	EXT. OVHD	\$401	
						UNFO	EQUIPMENT	\$57,611	
						UNFO	EQUIPMENT	(\$1,970)	
						UNFO	EXT. OVHD	\$10,004	
							<b>Total Mods. (\$)</b>	<b>\$82,399</b>	
							<b>Mod. Rate (%)</b>	<b>3.17%</b>	
							ADMIN	ADMIN	\$0
							ADMIN	ADMIN	\$0
	CREQ	CIVIL	\$35,648						
	CREQ	CIVIL	\$275,227						
	CRIT	CIVIL	\$25,000						
	CRIT	CIVIL	\$1,712						
	CRIT	DOOR/WINDOW	\$0						
	CRIT	ELECTRICAL	\$40,008						
	CRIT	PLUMBING	\$9,448						
	DSGN	ADMIN	\$0						
	DSGN	CIVIL	\$28,124						
	DSGN	CIVIL	\$4,696						
	DSGN	CIVIL	\$5,052						
	DSGN	CIVIL	\$13,805						
	DSGN	CIVIL	\$1,881						
	DSGN	CIVIL	\$9,586						
	DSGN	CIVIL	\$8,292						
	DSGN	CIVIL	\$49,127						
	DSGN	CIVIL	\$1,300						
	DSGN	CIVIL	\$1,399						
	DSGN	CIVIL	\$2,178						
	DSGN	CIVIL	\$14,006						
	DSGN	DOOR/WINDOW	\$1,881						
	DSGN	DOOR/WINDOW	\$4,882						
	DSGN	ELECTRICAL	\$2,000						
	DSGN	ELECTRICAL	\$15,878						
	DSGN	HVAC	\$16,030						
	DSGN	HVAC	\$1,607						
	DSGN	HVAC	\$3,850						
	DSGN	HVAC	\$1,850						
	DSGN	HVAC	\$3,387						
	DSGN	PLUMBING	\$11,574						
	ERROR	CIVIL	\$9,616						
	ERROR	DOOR/WINDOW	\$25,750						
	ERROR	HVAC	\$3,621						
	PLAN	ADMIN	\$0						
	PLAN	CIVIL	\$200,000						
	PLAN	CIVIL	(\$520)						
	TIME	TIME	\$0						
	UNFO	CIVIL	\$14,799						
	UNFO	CIVIL	\$2,398						
	UNFO	CIVIL	\$8,449						
	UNFO	EARTHWORK	\$29,278						
	UNFO	EQUIPMENT	\$4,144						
	UNFO	N/A	\$10,663						
	UNFO	PLUMBING	\$767						
	UNFO	PLUMBING	\$2,000						
	UNFO	UTILITIES	\$25,071						

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
							Total Mods. (\$)	\$925,464
							Mod. Rate (%)	9.07%
MIDWEST	84-0252	OHIO	61020	ADMINISTRATIVE	\$2,852,000	CLAIM	CLAIM	\$8,558
						CLAIM	CLAIM	\$11,772
						DSGN	CIVIL	\$824
						DSGN	CIVIL	\$972
						DSGN	CIVIL	\$2,660
						SCOPE	CIVIL	\$16,652
						UNFO	ADMIN	(\$130)
						UNFO	ADMIN	(\$7,230)
						UNFO	FINISHES	\$4,984
						VALUE	ELECTRICAL	(\$1,967)
						VALUE	ELECTRICAL	(\$523)
							Total Mods. (\$)	\$36,572
							Mod. Rate (%)	1.28%
MIDWEST	85-0078	INDIANA	21710	MAINTENANCE	\$4,928,714	ADMIN	ADMIN	\$0
						CLAIM	ELECTRICAL	\$4,266
						CRIT	CIVIL	\$31,048
						CRIT	ELECTRICAL	\$32,138
						CRIT	PLUMBING	\$9,553
						DSGN	CIVIL	\$20,752
						DSGN	ELECTRICAL	\$7,204
						DSGN	N/A	\$2,220
						DSGN	PLUMBING	(\$1,792)
						DSGN	PLUMBING	\$1,129
						UNFO	CIVIL	\$14,107
						UNFO	ELECTRICAL	\$6,632
						UNFO	ELECTRICAL	\$5,341
						UNFO	N/A	\$3,671
						UNFO	PLUMBING	(\$4,438)
						UNFO	PLUMBING	\$113
						UNFO	UTILITIES	\$32,190
							Total Mods. (\$)	\$164,134
							Mod. Rate (%)	3.33%
MIDWEST	85-0167	INDIANA	61020	ADMINISTRATIVE	\$3,066,650	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CRIT	FINISHES	\$990
						DSGN	ADMIN	\$0
						DSGN	CIVIL	(\$1,850)
						DSGN	EARTHWORK	\$0
						DSGN	EARTHWORK	\$20,000
						DSGN	ELECTRICAL	(\$7,000)
						DSGN	ELECTRICAL	(\$27,520)
						DSGN	HVAC	\$12,546
						DSGN	HVAC	\$3,420
						DSGN	N/A	\$3,300
						UNFO	CIVIL	\$6,600
						UNFO	EARTHWORK	\$9,000
						VALUE	EARTHWORK	(\$23,170)
							Total Mods. (\$)	(\$3,684)
							Mod. Rate (%)	-0.12%
MIDWEST	87-0071	INDIANA	21710	MAINTENANCE	\$6,950,000	ADMIN	ADMIN	\$0
						CRIT	CIVIL	\$84,920
						CRIT	N/A	\$254,512
						CRIT	N/A	\$24,502
						DSGN	CIVIL	\$34,810
						DSGN	CIVIL	\$13,850
						DSGN	ELECTRICAL	\$19,290
						DSGN	N/A	\$8,988
						UNFO	CIVIL	\$51,535
						UNFO	EARTHWORK	\$9,620
						UNFO	EQUIPMENT	\$11,680
							Total Mods. (\$)	\$513,707
							Mod. Rate (%)	7.39%
MIDWEST	84-0518	ILLINOIS	21105	MAINTENANCE	\$3,110,917	ADMIN	ADMIN	\$7,822
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						DSGN	CIVIL	(\$2,686)
						PLAN	ELECTRICAL	\$28,897
						TIME	TIME	\$0
						UNFO	CIVIL	\$10,672
						UNFO	CIVIL	\$7,934
						UNFO	CIVIL	\$27,097
						UNFO	DEMOLITION	\$2,691

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
MIDWEST	87-0080	ILLINOIS	72111	UNACCOMPANIED PERSONNEL HOUSING	\$3,851,755	UNFO	EARTHWORK	\$18,000
						UNFO	EARTHWORK	(\$347)
						UNFO	ELECTRICAL	\$0
						UNFO	PLUMBING	\$4,082
						UNFO	PLUMBING	\$14,307
						UNFO	PLUMBING	\$11,611
						UNFO	PLUMBING	\$12,478
						UNFO	UTILITIES	\$2,018
							<b>Total Mods. (\$)</b>	<b>\$144,576</b>
							<b>Mod. Rate (%)</b>	<b>4.65%</b>
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CRIT	CIVIL	\$1,654
						CRIT	ELECTRICAL	\$2,300
DSGN	CIVIL	\$2,828						
DSGN	HVAC	\$292,000						
DSGN	N/A	(\$236,205)						
DSGN	PLUMBING	\$8,017						
TIME	TIME	\$0						
UNFO	DEMOLITION	\$17,152						
UNFO	EARTHWORK	\$0						
UNFO	EARTHWORK	\$4,019						
UNFO	FINISHES	\$8,935						
UNFO	HAZ. WASTE	\$15,031						
UNFO	N/A	\$4,794						
UNFO	PLUMBING	\$1,800						
UNFO	UTILITIES	\$9,263						
	<b>Total Mods. (\$)</b>	<b>\$131,588</b>						
	<b>Mod. Rate (%)</b>	<b>3.42%</b>						
MIDWEST	86-0022	ILLINOIS	74020	COMMUNITY	\$2,696,000	ADMIN	ADMIN	\$0
						ADMIN	TIME	\$0
						CLAIM	CLAIM	\$4,500
						DSGN	CIVIL	\$2,102
						DSGN	CIVIL	\$423
						DSGN	CIVIL	\$500
						DSGN	CIVIL	\$6,603
						DSGN	CIVIL	\$19,160
						DSGN	HVAC	\$1,882
						DSGN	HVAC	\$3,051
						DSGN	PLUMBING	\$1,776
						UNFO	CIVIL	\$8,565
						UNFO	CIVIL	\$10,291
						UNFO	EXT. OVHD	\$9,391
						UNFO	N/A	\$980
						UNFO	PLUMBING	\$1,100
						UNFO	UTILITIES	\$321
							<b>Total Mods. (\$)</b>	<b>\$70,645</b>
							<b>Mod. Rate (%)</b>	<b>2.62%</b>
						MIDWEST	87-0012	ILLINOIS
DSGN	CIVIL	\$10,380						
DSGN	CIVIL	\$13,281						
DSGN	CIVIL	\$2,396						
DSGN	CIVIL	\$58,009						
DSGN	CIVIL	\$10,335						
DSGN	DOOR/WINDOW	\$5,000						
DSGN	DOOR/WINDOW	\$13,230						
DSGN	ELECTRICAL	\$97,000						
DSGN	FINISHES	\$228						
DSGN	HVAC	\$8,977						
UNFO	CIVIL	\$9,227						
UNFO	EARTHWORK	\$28,841						
UNFO	ELECTRICAL	\$15,250						
UNFO	ELECTRICAL	\$7,700						
UNFO	ELECTRICAL	\$7,798						
VALUE	N/A	(\$577)						
	<b>Total Mods. (\$)</b>	<b>\$289,375</b>						
	<b>Mod. Rate (%)</b>	<b>3.02%</b>						
MIDWEST	88-0056	ILLINOIS	74021	COMMUNITY	\$2,283,612			
						ADMIN	ADMIN	\$0
						DSGN	CIVIL	\$1,395
						DSGN	CIVIL	\$775
						DSGN	DOOR/WINDOW	\$1,703
						DSGN	DOOR/WINDOW	\$1,041
						DSGN	DOOR/WINDOW	\$2,521
						DSGN	ELECTRICAL	\$4,500
						DSGN	FINISHES	\$902

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)					
MIDWEST	87-0075	ILLINOIS	14311	OPERATIONAL	\$3,344,608	DSGN	FINISHES	\$1,465					
						DSGN	N/A	\$14,283					
						DSGN	N/A	\$6,083					
						DSGN	PLUMBING	\$1,073					
						DSGN	UTILITIES	(\$16)					
						UNFO	ADMIN	\$0					
						UNFO	DEMOLITION	(\$20,000)					
						UNFO	EARTHWORK	\$2,154					
						UNFO	EXT. OVHD	\$14,520					
						UNFO	HAZ. WASTE	\$38,289					
						UNFO	HAZ. WASTE	\$40,000					
						UNFO	HAZ. WASTE	\$30,000					
						UNFO	HAZ. WASTE	\$60,000					
						UNFO	HAZ. WASTE	\$26,010					
						UNFO	N/A	\$0					
						Total Mods. (\$)							\$226,698
						Mod. Rate (%)							9.93%
MIDWEST	88-0022	INDIANA	44110	SUPPLY	\$4,785,000	DSGN	CIVIL	\$5,834					
						DSGN	CIVIL	\$3,336					
						DSGN	CIVIL	(\$3,000)					
						DSGN	EQUIPMENT	\$4,293					
						DSGN	FINISHES	\$2,161					
						DSGN	HVAC	\$1,592					
						DSGN	HVAC	\$32,760					
						DSGN	N/A	\$36,955					
						DSGN	N/A	\$7,135					
						DSGN	PLUMBING	\$5,931					
						ERROR	UTILITIES	\$2,040					
						UNFO	DEMOLITION	\$5,088					
						UNFO	DEMOLITION	\$20,000					
						UNFO	EARTHWORK	\$20,000					
						UNFO	EARTHWORK	\$40,000					
						UNFO	N/A	\$6,972					
						UNFO	N/A	\$15,171					
						Total Mods. (\$)							\$206,268
						Mod. Rate (%)							6.17%
						MIDWEST	86-0491	MICHIGAN	21105	MAINTENANCE	\$3,885,000	ADMIN	ADMIN
ADMIN	ADMIN	\$0											
ADMIN	ADMIN	\$0											
ADMIN	ADMIN	\$0											
ADMIN	ADMIN	\$0											
ADMIN	ADMIN	\$0											
ADMIN	ADMIN	\$0											
ADMIN	ADMIN	\$0											
ADMIN	ADMIN	\$0											
ADMIN	ADMIN	\$0											
ADMIN	ADMIN	\$0											
ADMIN	ADMIN	\$25,000											
ADMIN	ADMIN	\$12,000											
DSGN	CIVIL	\$1,982											
DSGN	CIVIL	\$0											
DSGN	CIVIL	(\$370)											
DSGN	CIVIL	\$721											
DSGN	CIVIL	\$5,765											
DSGN	DEMOLITION	\$1,205											
DSGN	DOOR/WINDOW	\$362											
DSGN	ELECTRICAL	\$1,210											
DSGN	ELECTRICAL	\$746											
DSGN	FINISHES	\$4,491											
DSGN	FINISHES	\$56,705											
DSGN	HVAC	\$16,767											
UNFO	CIVIL	\$4,265											
UNFO	CIVIL	(\$23,202)											
UNFO	EARTHWORK	\$25,650											
UNFO	ELECTRICAL	\$8,788											
UNFO	ELECTRICAL	\$19,076											
UNFO	N/A	\$12,454											
UNFO	UTILITIES	\$1,650											
Total Mods. (\$)							\$175,265						
Mod. Rate (%)							3.66%						
MIDWEST	86-0491	MICHIGAN	21105	MAINTENANCE	\$3,885,000	CRIT	EARTHWORK	\$6,943					
						DSGN	CIVIL	\$12,800					
						DSGN	CIVIL	\$8,000					
						DSGN	DEMOLITION	\$1,375					
						DSGN	EARTHWORK	\$13,482					
						PLAN	N/A	\$7,047					
						UNFO	DEMOLITION	\$16,423					
UNFO	DEMOLITION	\$23,077											

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
MIDWEST	90-0081	ILLINOIS	72114	UNACCOMPANIED PERSONNEL HOUSING	\$9,448,259	UNFO	UTILITIES	\$674
							<b>Total Mods. (\$)</b>	<b>\$89,821</b>
							<b>Mod. Rate (%)</b>	<b>2.31%</b>
						DSGN	CIVIL	\$51,118
						DSGN	CIVIL	\$72,790
						DSGN	CIVIL	\$45,228
						DSGN	CIVIL	\$6,286
						DSGN	CIVIL	\$25,277
						DSGN	ELECTRICAL	\$11,457
						DSGN	ELECTRICAL	\$8,912
						DSGN	FINISHES	\$4,922
						DSGN	FINISHES	\$39,853
						DSGN	N/A	\$38,673
						DSGN	N/A	\$5,435
						DSGN	N/A	\$14,447
PLAN	EXT. OVHD	\$31,495						
UNFO	CIVIL	\$2,337						
UNFO	HVAC	\$6,577						
	<b>Total Mods. (\$)</b>	<b>\$364,807</b>						
	<b>Mod. Rate (%)</b>	<b>3.86%</b>						
MIDWEST	84-0288	ILLINOIS	17120	TRAINING	\$5,100,000	ADMIN	ADMIN	\$0
						CRIT	CIVIL	\$26,635
						CRIT	ELECTRICAL	\$0
						CRIT	EQUIPMENT	\$2,000
						CRIT	N/A	(\$214)
						CRIT	N/A	\$4,526
						CRIT	N/A	\$1,688
						CRIT	N/A	\$63,860
						CRIT	N/A	\$64,612
						CRIT	PLUMBING	\$50,000
						CRIT	PLUMBING	\$8,400
						CRIT	PLUMBING	\$16,000
						CRIT	PLUMBING	\$44,069
						CRIT	PLUMBING	(\$4,024)
						DSGN	DEMOLITION	\$7,666
						DSGN	ELECTRICAL	\$800
						DSGN	ELECTRICAL	\$5,287
						DSGN	EQUIPMENT	\$6,724
						DSGN	FINISHES	(\$6,839)
						DSGN	FINISHES	\$3,520
						DSGN	N/A	\$0
						DSGN	N/A	\$11,125
						DSGN	N/A	(\$800)
						DSGN	N/A	\$23,768
						DSGN	PLUMBING	\$1,787
						DSGN	PLUMBING	\$3,600
						DSGN	PLUMBING	\$4,700
						DSGN	PLUMBING	\$0
						DSGN	UTILITIES	\$15,000
						DSGN	UTILITIES	\$20,000
						DSGN	UTILITIES	\$21,000
						DSGN	UTILITIES	\$7,000
						TIME	TIME	\$0
						UNFO	N/A	\$500
						UNFO	UTILITIES	\$39,300
	<b>Total Mods. (\$)</b>	<b>\$441,690</b>						
	<b>Mod. Rate (%)</b>	<b>8.66%</b>						
NORTH	84-0355	MAINE	74038	COMMUNITY	\$1,167,000	ADMIN	ADMIN	\$0
						ADMIN	TIME	\$0
						DSGN	CIVIL	\$2,472
						DSGN	CIVIL	\$2,581
						DSGN	CIVIL	(\$198)
						DSGN	CIVIL	\$1,515
						DSGN	DOOR/WINDOW	\$1,600
						DSGN	DOOR/WINDOW	\$3,499
						DSGN	ELECTRICAL	\$99
						DSGN	ELECTRICAL	\$1,631
						DSGN	FINISHES	(\$267)
						DSGN	FINISHES	(\$3,518)
						DSGN	N/A	\$9,675
						DSGN	PLUMBING	\$1,748
						DSGN	PLUMBING	\$10,835
DSGN	ROOFING	(\$500)						
	<b>Total Mods. (\$)</b>	<b>\$31,172</b>						
	<b>Mod. Rate (%)</b>	<b>2.67%</b>						
NORTH	85-0099	MAINE		OPERATIONAL	\$1,679,888	ADMIN	ADMIN	\$0

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CREQ	CIVIL	\$621
						CREQ	ELECTRICAL	\$39,716
						CREQ	ELECTRICAL	\$6,079
						CRIT	EQUIPMENT	\$166,632
						DSGN	CIVIL	\$9,803
						DSGN	CIVIL	\$3,538
						DSGN	DOOR/WINDOW	\$16,926
						DSGN	ELECTRICAL	\$17,022
						DSGN	ELECTRICAL	\$21,281
						DSGN	ELECTRICAL	\$7,830
						DSGN	ELECTRICAL	\$2,047
						DSGN	ELECTRICAL	\$1,190
						DSGN	EQUIPMENT	\$13,008
						DSGN	FINISHES	\$729
						DSGN	HVAC	\$5,328
						DSGN	N/A	\$3,409
						DSGN	PLUMBING	\$960
						ERROR	ELECTRICAL	\$2,006
						TIME	TIME	\$0
						UNFO	ADMIN	\$1,000
						UNFO	CIVIL	\$9,973
						UNFO	CIVIL	\$1,790
						UNFO	CIVIL	(\$2,350)
						UNFO	DEMOLITION	\$15,000
						UNFO	DEMOLITION	\$9,000
						UNFO	ELECTRICAL	(\$2,065)
						UNFO	ELECTRICAL	\$2,500
						UNFO	EXT. OVHD	\$40,646
						UNFO	EXT. OVHD	\$45,354
						UNFO	HAZ. WASTE	\$25,000
						UNFO	HAZ. WASTE	\$11,306
						UNFO	HVAC	\$13,002
						UNFO	N/A	\$3,928
						UNFO	ROOFING	\$355
							<b>Total Mods. (\$)</b>	<b>\$492,564</b>
							<b>Mod. Rate (%)</b>	<b>29.32%</b>
NORTH	85-0004	NEW JERSEY	60010	ADMINISTRATIVE	\$1,433,000	ADMIN	ADMIN	\$0
						DSGN	CIVIL	\$0
						DSGN	ELECTRICAL	\$9,590
						DSGN	ELECTRICAL	\$4,519
						DSGN	ELECTRICAL	\$15,147
						DSGN	ELECTRICAL	\$6,991
						DSGN	ELECTRICAL	\$14,182
						DSGN	PLUMBING	\$36,843
						DSGN	PLUMBING	\$36,300
						PLAN	EQUIPMENT	\$7,323
						PLAN	FINISHES	\$70,000
						UNFO	ELECTRICAL	\$13,774
						UNFO	EXT. OVHD	\$52,271
						UNFO	HAZ. WASTE	\$92,000
						UNFO	N/A	\$8,355
						UNFO	N/A	\$2,490
						UNFO	PLUMBING	\$1,549
						UNFO	PLUMBING	\$1,508
						UNFO	PLUMBING	\$8,359
						UNFO	PLUMBING	\$1,526
							<b>Total Mods. (\$)</b>	<b>\$382,727</b>
							<b>Mod. Rate (%)</b>	<b>26.71%</b>
NORTH	87-1076	MAINE	17120	TRAINING	\$1,587,800	CREQ	CIVIL	(\$25,625)
						CREQ	CIVIL	\$12,500
						CRIT	CIVIL	\$13,000
						CRIT	CIVIL	(\$6,428)
						CRIT	EXT. OVHD	\$8,000
						DSGN	CIVIL	\$1,400
						DSGN	EQUIPMENT	\$52,527
						PLAN	ELECTRICAL	\$9,862
							<b>Total Mods. (\$)</b>	<b>\$65,236</b>
							<b>Mod. Rate (%)</b>	<b>4.11%</b>
NORTH	84-0507	NEW YORK		UTILITIES IMPROVEMENTS	\$1,128,703	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	(\$1,000)
						ADMIN	ADMIN	(\$2,374)
						ADMIN	N/A	(\$2,441)
						DSGN	ELECTRICAL	\$0



EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
NORTH	86-0111	PENNSYLVANIA	72111	UNACCOMPANIED PERSONNEL HOUSING	\$4,820,000	DSGN	PLUMBING	\$16,500
						DSGN	PLUMBING	\$20,000
						DSGN	PLUMBING	\$2,972
						UNFO	ADMIN	(\$17,875)
						UNFO	ADMIN	\$17,875
						UNFO	CIVIL	\$4,000
						UNFO	CIVIL	\$2,918
						UNFO	ELECTRICAL	\$1,453
						UNFO	ELECTRICAL	\$921
						UNFO	PLUMBING	\$2,398
							<b>Total Mods. (\$)</b>	<b>\$45,347</b>
							<b>Mod. Rate (%)</b>	<b>4.02%</b>
						CLAIM	DEMOLITION	\$100,910
						CRIT	ELECTRICAL	\$20,520
						DSGN	ELECTRICAL	\$4,593
DSGN	N/A	(\$12,878)						
DSGN	ROOFING	(\$4,901)						
DSGN	UTILITIES	\$26,349						
PLAN	EARTHWORK	\$9,846						
PLAN	UTILITIES	\$29,476						
UNFO	CIVIL	\$79,485						
UNFO	CIVIL	(\$3,560)						
UNFO	DEMOLITION	\$35,143						
UNFO	EARTHWORK	\$7,585						
UNFO	EARTHWORK	\$27,013						
UNFO	EARTHWORK	\$1,558						
UNFO	ELECTRICAL	\$12,662						
UNFO	UTILITIES	\$12,705						
UNFO	UTILITIES	\$2,151						
	<b>Total Mods. (\$)</b>	<b>\$348,657</b>						
	<b>Mod. Rate (%)</b>	<b>7.23%</b>						
NORTH	87-0356	PENNSYLVANIA	21860	MAINTENANCE	\$1,167,000	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$10,821
						DSGN	CIVIL	\$2,882
						DSGN	PLUMBING	\$5,040
						TIME	TIME	\$0
						UNFO	ADMIN	\$59,795
						UNFO	CIVIL	\$13,001
						UNFO	CIVIL	\$0
						UNFO	CIVIL	\$1,000
						UNFO	CIVIL	\$10,000
						UNFO	EARTHWORK	\$4,760
						UNFO	EARTHWORK	\$2,000
						UNFO	EXT. OVHD	\$6,380
						UNFO	UTILITIES	\$6,651
UNFO	UTILITIES	\$1,973						
	<b>Total Mods. (\$)</b>	<b>\$124,303</b>						
	<b>Mod. Rate (%)</b>	<b>10.65%</b>						
NORTH	87-0025	NEW JERSEY	61010	ADMINISTRATIVE	\$3,874,100	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$2,310
						ADMIN	ADMIN	\$0
						CREQ	N/A	\$7,048
						DSGN	HVAC	\$33,401
						ERROR	PLUMBING	\$1,566
						PLAN	ELECTRICAL	\$68,200
						UNFO	DEMOLITION	\$45,397
						UNFO	DEMOLITION	\$2,750
						UNFO	EARTHWORK	\$1,813
						UNFO	ELECTRICAL	\$0
						UNFO	ELECTRICAL	\$2,300
						VALUE	N/A	(\$9,066)
							<b>Total Mods. (\$)</b>	<b>\$155,719</b>
							<b>Mod. Rate (%)</b>	<b>4.02%</b>
NORTH	83-0013	PENNSYLVANIA	44110	SUPPLY	\$13,451,000	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						DSGN	DOOR/WINDOW	\$16,814
						DSGN	ELECTRICAL	\$19,858
						DSGN	ELECTRICAL	\$24,588
						DSGN	ELECTRICAL	\$24,503
						DSGN	FINISHES	\$17,356
						DSGN	FINISHES	\$51,224
						DSGN	FINISHES	\$5,997
						DSGN	HVAC	\$37,267
						DSGN	HVAC	\$60,415
						PLAN	ADMIN	\$68,027

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)	
NORTH	81-0392	PENNSYLVANIA	61020	ADMINISTRATIVE	\$11,250,000	PLAN	EARTHWORK	\$50,000	
						TIME	TIME	\$0	
						UNFO	ELECTRICAL	\$36,048	
						UNFO	ELECTRICAL	(\$2,677)	
						UNFO	HVAC	\$100,000	
						UNFO	N/A	\$16,506	
						UNFO	PLUMBING	\$24,358	
						UNFO	PLUMBING	\$5,704	
						UNFO	PLUMBING	\$699	
						UNFO	ROOFING	\$40,257	
						VALUE	CIVIL	(\$125,000)	
						VALUE	CIVIL	(\$59,216)	
							<b>Total Mods. (\$)</b>	<b>\$412,728</b>	
							<b>Mod. Rate (%)</b>	<b>3.07%</b>	
							DSGN	ADMIN	\$2,035
							DSGN	CIVIL	\$30,484
							DSGN	CIVIL	\$1,522
							DSGN	DEMOLITION	\$1,233
							DSGN	DEMOLITION	\$14,944
							DSGN	DOOR/WINDOW	\$7,026
							DSGN	ELECTRICAL	\$20,071
	DSGN	ELECTRICAL	\$1,647						
	DSGN	ELECTRICAL	\$25,393						
	DSGN	ELECTRICAL	\$13,761						
	DSGN	ELECTRICAL	\$4,608						
	DSGN	ELECTRICAL	\$16,113						
	DSGN	ELECTRICAL	\$18,704						
	DSGN	ELECTRICAL	\$65,948						
	DSGN	ELECTRICAL	\$3,100						
	DSGN	N/A	(\$1,627)						
	DSGN	PLUMBING	\$18,643						
	PLAN	EARTHWORK	\$205,566						
	TIME	TIME	\$0						
	UNFO	CIVIL	\$7,538						
	UNFO	CIVIL	\$9,485						
	UNFO	DOOR/WINDOW	(\$40,602)						
	UNFO	EARTHWORK	\$423,356						
	UNFO	N/A	\$13,768						
		<b>Total Mods. (\$)</b>	<b>\$862,716</b>						
		<b>Mod. Rate (%)</b>	<b>7.67%</b>						
NORTH	87-0041	PENNSYLVANIA	61010	ADMINISTRATIVE	\$1,937,414	DSGN	ELECTRICAL	\$37,521	
						DSGN	ELECTRICAL	\$33,398	
						DSGN	ELECTRICAL	\$9,769	
						DSGN	FINISHES	\$6,823	
						DSGN	HAZ. WASTE	\$14,367	
						DSGN	HAZ. WASTE	\$10,470	
						DSGN	HAZ. WASTE	\$11,200	
						DSGN	HVAC	\$1,964	
						DSGN	HVAC	\$1,250	
						DSGN	PLUMBING	\$20,777	
						UNFO	FINISHES	\$5,067	
							<b>Total Mods. (\$)</b>	<b>\$152,606</b>	
							<b>Mod. Rate (%)</b>	<b>7.88%</b>	
						NORTH	89-0027	MASS	31930
ADMIN	ADMIN	\$0							
CREQ	CIVIL	\$5,311							
CREQ	CIVIL	\$2,862							
CREQ	ELECTRICAL	\$4,508							
CREQ	FINISHES	\$7,750							
CREQ	FINISHES	\$998							
CREQ	FINISHES	\$896							
CREQ	FINISHES	\$1,087							
CREQ	N/A	\$1,461							
CREQ	N/A	\$226							
CREQ	ROOFING	\$2,208							
DSGN	CIVIL	\$2,537							
DSGN	CIVIL	\$2,431							
DSGN	CIVIL	\$1,250							
DSGN	CIVIL	\$2,694							
DSGN	DEMOLITION	\$1,518							
DSGN	ELECTRICAL	\$2,458							
DSGN	ELECTRICAL	\$253							
DSGN	EXT. OVHD	\$2,566							
DSGN	FINISHES	\$259							
DSGN	FINISHES	\$772							
DSGN	FINISHES	\$1,132							
DSGN	N/A	\$614							

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)						
NORTH	87-0033	CONNECTICUT	82122	UTILITIES IMPROVEMENTS	\$2,866,693	DSGN	PLUMBING	\$2,096						
						DSGN	PLUMBING	\$4,100						
						DSGN	UTILITIES	\$3,013						
						PLAN	EARTHWORK	\$365						
						UNFO	DEMOLITION	\$800						
						UNFO	EARTHWORK	\$5,960						
						UNFO	EARTHWORK	\$6,500						
						UNFO	EXT. OVHD	\$8,806						
						UNFO	UTILITIES	\$3,710						
						Total Mods. (\$)		\$81,141						
						Mod. Rate (%)		4.97%						
						ADMIN	ADMIN	\$6,000						
						DSGN	EQUIPMENT	\$54,728						
						DSGN	N/A	\$11,002						
						DSGN	ROOFING	\$11,738						
ERROR	ELECTRICAL	\$8,046												
UNFO	DEMOLITION	\$5,767												
UNFO	ELECTRICAL	\$7,637												
UNFO	ELECTRICAL	\$8,399												
UNFO	ELECTRICAL	\$19,563												
UNFO	EXT. OVHD	\$134,110												
UNFO	HAZ. WASTE	\$35,415												
UNFO	N/A	\$6,000												
UNFO	N/A	\$16,390												
UNFO	N/A	\$0												
Total Mods. (\$)		\$324,795												
Mod. Rate (%)		11.33%												
NORTH	86-0043	PENNSYLVANIA	74020	COMMUNITY	\$3,088,000	ADMIN	ADMIN	\$0						
						ADMIN	ADMIN	\$0						
						ADMIN	ADMIN	\$0						
						ADMIN	ELECTRICAL	\$0						
						ADMIN	N/A	\$0						
						DSGN	CIVIL	\$900						
						DSGN	FINISHES	(\$677)						
						DSGN	ROOFING	(\$5,244)						
						PLAN	N/A	\$27,941						
						TIME	TIME	\$0						
						UNFO	FINISHES	(\$1,635)						
						UNFO	UTILITIES	\$5,900						
						Total Mods. (\$)		\$27,185						
						Mod. Rate (%)		0.88%						
						NORTH	85-0051	NEW YORK	81230	UTILITIES IMPROVEMENTS	\$2,835,733	CREQ	CIVIL	\$66,041
DSGN	ELECTRICAL	\$31,286												
DSGN	ELECTRICAL	\$12,511												
DSGN	UTILITIES	\$8,213												
UNFO	CIVIL	\$20,000												
UNFO	EARTHWORK	\$9,753												
UNFO	UTILITIES	\$10,030												
UNFO	UTILITIES	\$17,608												
UNFO	UTILITIES	\$20,000												
UNFO	UTILITIES	\$42,838												
UNFO	UTILITIES	\$61,362												
Total Mods. (\$)		\$299,642												
Mod. Rate (%)		10.57%												
PACDIV	92-1319	HAWAII	83110	UTILITIES IMPROVEMENTS	\$5,877,000							DSGN	EARTHWORK	\$1,800
												DSGN	ELECTRICAL	\$0
						DSGN	N/A	\$48,033						
						DSGN	N/A	\$13,570						
						DSGN	N/A	\$40,686						
						DSGN	UTILITIES	\$2,549						
						DSGN	UTILITIES	\$58,486						
						UNFO	ADMIN	\$11,500						
						UNFO	CIVIL	\$30,672						
						UNFO	DEMOLITION	\$3,315						
						UNFO	DEMOLITION	\$11,255						
						UNFO	DEMOLITION	\$14,000						
						UNFO	EARTHWORK	\$0						
						UNFO	EARTHWORK	\$5,337						
						UNFO	EARTHWORK	\$7,255						
						UNFO	EARTHWORK	\$16,701						
						UNFO	EARTHWORK	\$18,718						
						UNFO	EARTHWORK	\$66,335						
						UNFO	EARTHWORK	\$11,900						
						UNFO	ELECTRICAL	\$10,969						
						UNFO	EQUIPMENT	\$10,199						
UNFO	FINISHES	\$166,873												

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
PACDIV	89-1315	HAWAII	21710	MAINTENANCE	\$7,744,838	UNFO	FINISHES	\$70,000
						UNFO	N/A	\$252,792
						UNFO	N/A	\$81,966
						UNFO	N/A	(\$4,441)
						UNFO	UTILITIES	(\$4,441)
						Total Mods. (\$)		\$946,029
						Mod. Rate (%)		16.10%
						CREQ	CIVIL	\$1,200,000
						CREQ	CIVIL	(\$121,596)
						CREQ	CIVIL	\$33,547
CREQ	CIVIL	(\$121,596)						
CREQ	EQUIPMENT	\$4,657						
CREQ	FINISHES	(\$5,343)						
DSGN	CIVIL	\$19,914						
DSGN	FINISHES	(\$7,572)						
DSGN	N/A	\$3,064						
UNFO	CIVIL	\$4,291						
UNFO	FINISHES	\$525						
VALUE	CIVIL	(\$12,914)						
VALUE	CIVIL	(\$6,701)						
VALUE	N/A	(\$12,914)						
VALUE	ROOFING	(\$6,701)						
VALUE	ROOFING	\$22,484						
Total Mods. (\$)		\$993,145						
Mod. Rate (%)		12.82%						
PACDIV	88-1317	HAWAII	21640	MAINTENANCE	\$4,869,345	ADMIN	ADMIN	\$0
						CREQ	EXT. OVHD	\$50,000
						CREQ	HVAC	\$21,160
						CREQ	HVAC	\$20,160
						CREQ	N/A	\$22,938
						CRIT	N/A	\$11,989
						DSGN	CIVIL	(\$938,817)
						DSGN	CIVIL	\$2,000
						DSGN	ELECTRICAL	(\$1,021)
						TIME	TIME	\$0
						UNFO	CIVIL	\$18,708
						UNFO	ELECTRICAL	\$1,976
						UNFO	EXT. OVHD	\$0
						UNFO	HAZ. WASTE	\$1,800
						UNFO	PLUMBING	\$6,345
						UNFO	PLUMBING	\$0
						UNFO	UTILITIES	\$1,055
						Total Mods. (\$)		(\$781,707)
						Mod. Rate (%)		-16.05%
PACDIV	85-1376	HAWAII	14365	OPERATIONAL	\$10,449,000	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CREQ	N/A	\$21,000
						CREQ	N/A	\$20,533
						CREQ	N/A	\$108,083
						CRIT	CIVIL	\$142,495
						CRIT	FINISHES	\$1,326
						CRIT	N/A	\$45,000
						DSGN	CIVIL	\$354,000
						DSGN	CIVIL	\$6,477
						DSGN	CIVIL	\$1,779
						DSGN	CIVIL	\$6,541
						DSGN	EARTHWORK	\$1,969
						DSGN	ELECTRICAL	(\$4,403)
						DSGN	FINISHES	\$74,556
						DSGN	FINISHES	\$9,138
						DSGN	HVAC	(\$705)
						DSGN	N/A	\$500,000
						DSGN	N/A	\$295,217
						DSGN	N/A	\$2,501
						DSGN	N/A	\$6,727
						DSGN	N/A	\$1,672
						DSGN	N/A	\$9,645
						DSGN	N/A	\$35,011
						DSGN	N/A	\$30,208
						DSGN	N/A	\$77,933
						DSGN	N/A	\$62,580
						DSGN	N/A	\$38,813
						UNFO	ADMIN	\$0
						UNFO	CIVIL	\$59,560
UNFO	CIVIL	\$7,330						
UNFO	CIVIL	\$21,074						
UNFO	CIVIL	\$5,940						

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)						
PACDIV	86-1373	HAWAII	84310	UTILITIES IMPROVEMENTS	\$1,323,110	UNFO	CIVIL	(\$1,502)						
						UNFO	DEMOLITION	\$18,713						
						UNFO	EXT. OVHD	\$32,000						
						UNFO	N/A	\$6,992						
						UNFO	N/A	\$24,280						
						UNFO	UTILITIES	\$31,870						
							<b>Total Mods. (\$)</b>	<b>\$2,054,353</b>						
							<b>Mod. Rate (%)</b>	<b>19.66%</b>						
						DSGN	CIVIL	\$35,000						
						DSGN	ELECTRICAL	\$4,342						
DSGN	HAZ. WASTE	\$69,000												
DSGN	PLUMBING	\$6,400												
UNFO	CIVIL	\$8,700												
UNFO	EARTHWORK	\$3,877												
UNFO	EARTHWORK	\$13,745												
UNFO	EARTHWORK	\$5,000												
UNFO	ELECTRICAL	\$13,692												
UNFO	N/A	(\$12,917)												
UNFO	PLUMBING	(\$7,017)												
UNFO	PLUMBING	\$3,788												
UNFO	PLUMBING	\$12,366												
	<b>Total Mods. (\$)</b>	<b>\$155,976</b>												
	<b>Mod. Rate (%)</b>	<b>11.79%</b>												
PACDIV	85-1463	HAWAII	61010	ADMINISTRATIVE	\$1,869,000	ADMIN	ADMIN	\$0						
						CREQ	CIVIL	\$10,671						
						CRIT	FINISHES	(\$5,721)						
						DSGN	CIVIL	\$12,959						
						DSGN	CIVIL	\$199						
						DSGN	ELECTRICAL	\$9,369						
						DSGN	EQUIPMENT	\$8,946						
						DSGN	FINISHES	\$1,571						
						DSGN	PLUMBING	\$26,174						
						DSGN	ROOFING	(\$16,006)						
						DSGN	UTILITIES	\$7,026						
						SCOPE	N/A	(\$2,717)						
						UNFO	ADMIN	(\$10,000)						
						UNFO	ELECTRICAL	\$3,875						
						UNFO	FINISHES	\$4,525						
						UNFO	UTILITIES	\$6,693						
							<b>Total Mods. (\$)</b>	<b>\$57,564</b>						
	<b>Mod. Rate (%)</b>	<b>3.08%</b>												
PACDIV	85-1363	HAWAII	14325	OPERATIONAL	\$2,229,150	CREQ	CIVIL	\$43,668						
						CRIT	EQUIPMENT	\$43,700						
						DSGN	ADMIN	\$0						
						DSGN	DEMOLITION	\$49,983						
						DSGN	EQUIPMENT	\$16,050						
						DSGN	PLUMBING	\$3,000						
						ERROR	EXT. OVHD	\$4,800						
						ERROR	EXT. OVHD	\$9,500						
						UNFO	DEMOLITION	\$31,900						
						UNFO	EXT. OVHD	\$4,030						
							<b>Total Mods. (\$)</b>	<b>\$206,631</b>						
							<b>Mod. Rate (%)</b>	<b>9.27%</b>						
						PACDIV	85-1350	HAWAII	55010	MEDICAL	\$6,744,500	ADMIN	ADMIN	\$0
CREQ	N/A	\$54,103												
CREQ	PLUMBING	\$15,705												
CRIT	CIVIL	\$96,505												
CRIT	CIVIL	\$2,806												
CRIT	N/A	\$5,798												
DSGN	FINISHES	\$3,162												
DSGN	HVAC	\$20,921												
UNFO	DEMOLITION	\$10,078												
UNFO	DEMOLITION	\$4,417												
UNFO	EARTHWORK	\$42,665												
UNFO	HAZ. WASTE	\$8,659												
UNFO	N/A	(\$210,016)												
	<b>Total Mods. (\$)</b>	<b>\$54,803</b>												
	<b>Mod. Rate (%)</b>	<b>0.81%</b>												
PACDIV	87-1302	HAWAII	74040	COMMUNITY	\$2,166,900							CRIT	CIVIL	\$13,315
												CRIT	ELECTRICAL	\$8,191
						DSGN	ELECTRICAL	\$2,970						
						SCOPE	CIVIL	\$30,096						
						TIME	TIME	\$0						
						UNFO	EARTHWORK	\$6,882						
						UNFO	ELECTRICAL	\$8,340						

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
PACDIV	88-1319	HAWAII	21420	MAINTENANCE	\$5,327,600	UNFO	PLUMBING	(\$6,189)
						UNFO	UTILITIES	\$1,166
						UNFO	UTILITIES	\$3,674
						Total Mods. (\$)		\$68,445
						Mod. Rate (%)		3.16%
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	(\$36,800)
						CREQ	CIVIL	\$1,428
						CREQ	CIVIL	\$21,045
						CREQ	CIVIL	\$29,840
						CREQ	DOOR/WINDOW	(\$10,143)
						CREQ	ELECTRICAL	(\$3,290)
						CREQ	EQUIPMENT	(\$59,909)
						CRIT	CIVIL	(\$8,071)
						DSGN	CIVIL	\$1,400
						DSGN	ELECTRICAL	\$8,080
						DSGN	EQUIPMENT	\$1,075
						DSGN	EQUIPMENT	\$1,646
						UNFO	CIVIL	\$18,500
						UNFO	DEMOLITION	\$3,295
						UNFO	DEMOLITION	\$9,629
UNFO	EQUIPMENT	\$1,925						
UNFO	FINISHES	\$1,925						
UNFO	HAZ. WASTE	\$2,853						
UNFO	HAZ. WASTE	\$10,066						
UNFO	HAZ. WASTE	\$1,043						
UNFO	HAZ. WASTE	\$9,351						
UNFO	N/A	\$2,635						
UNFO	N/A	\$3,685						
UNFO	TIME	\$0						
UNFO	UTILITIES	\$7,217						
Total Mods. (\$)		\$18,425						
Mod. Rate (%)		0.35%						
PACDIV	85-1462	JOHNSTON ATOLL	74043	COMMUNITY	\$1,937,499	ADMIN	ADMIN	\$0
						PLAN	EXT. OVHD	\$7,525
						UNFO	DEMOLITION	\$34,198
						UNFO	EARTHWORK	\$863
						UNFO	EQUIPMENT	\$2,027
						UNFO	EXT. OVHD	\$6,497
						UNFO	N/A	\$47,000
						UNFO	N/A	\$1,300
						UNFO	PLUMBING	\$5,410
						UNFO	N/A	(\$12,600)
						Total Mods. (\$)		\$92,220
						Mod. Rate (%)		4.76%
						PACDIV	85-1333	HAWAII
DSGN	CIVIL	\$879						
DSGN	ELECTRICAL	\$2,150						
DSGN	ELECTRICAL	\$2,670						
DSGN	N/A	\$41,281						
ERROR	ELECTRICAL	\$40,285						
UNFO	DEMOLITION	\$3,000						
UNFO	DEMOLITION	\$2,000						
UNFO	EARTHWORK	\$20,000						
UNFO	ELECTRICAL	\$4,012						
UNFO	N/A	\$24,889						
UNFO	PLUMBING	\$19,818						
UNFO	PLUMBING	\$1,011						
UNFO	UTILITIES	\$20,000						
UNFO	UTILITIES	\$7,723						
Total Mods. (\$)		\$189,718						
Mod. Rate (%)		2.37%						
PACDIV	84-0025	HAWAII	87215	UTILITIES IMPROVEMENTS	\$1,722,000	ADMIN	ADMIN	\$0
						CRIT	CIVIL	\$1,303
						CRIT	CIVIL	\$8,000
						DSGN	CIVIL	\$410
						DSGN	FINISHES	\$429
						DSGN	N/A	\$1,381
						DSGN	UTILITIES	\$0
						DSGN	UTILITIES	\$10,724
						UNFO	CIVIL	\$812
						UNFO	CIVIL	\$2,629
						UNFO	CIVIL	\$2,334
						UNFO	DEMOLITION	\$490
						UNFO	DEMOLITION	\$9,275
						UNFO	EARTHWORK	\$2,400

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)						
PACDIV	85-1335	HAWAII	21410	MAINTENANCE	\$5,773,945	UNFO	HVAC	(\$43,146)						
						UNFO	N/A	\$608						
						UNFO	PLUMBING	\$179						
						UNFO	PLUMBING	\$9,890						
						UNFO	UTILITIES	\$2,400						
							<b>Total Mods. (\$)</b>	<b>\$10,118</b>						
							<b>Mod. Rate (%)</b>	<b>0.59%</b>						
						ADMIN	ADMIN	\$0						
						ADMIN	ADMIN	\$0						
						CRIT	ADMIN	\$17,600						
						CRIT	CIVIL	\$4,000						
						DSGN	CIVIL	\$21,706						
						DSGN	EXT. OVHD	\$17,000						
						DSGN	N/A	\$46,715						
						UNFO	CIVIL	\$20,359						
UNFO	EARTHWORK	\$8,500												
UNFO	EARTHWORK	\$3,996												
UNFO	EARTHWORK	\$245												
UNFO	ELECTRICAL	\$5,417												
UNFO	N/A	(\$2,400)												
UNFO	UTILITIES	(\$659)												
UNFO	UTILITIES	\$3,545												
	<b>Total Mods. (\$)</b>	<b>\$146,024</b>												
	<b>Mod. Rate (%)</b>	<b>2.53%</b>												
PACDIV	86-0255	GUAM	51010	MEDICAL	\$9,377,000	ADMIN	ADMIN	\$0						
						ADMIN	ADMIN	\$0						
						DSGN	CIVIL	\$11,257						
						DSGN	ELECTRICAL	\$0						
						DSGN	ELECTRICAL	\$1,659						
						TIME	TIME	\$0						
						TIME	TIME	\$0						
						UNFO	CIVIL	\$0						
						UNFO	DEMOLITION	\$13,754						
						UNFO	DOOR/WINDOW	(\$14,182)						
						UNFO	EARTHWORK	(\$14,521)						
						UNFO	ELECTRICAL	\$83,267						
						UNFO	UTILITIES	\$4,021						
						UNFO	UTILITIES	\$5,646						
						UNFO	UTILITIES	\$29,884						
						VALUE	EARTHWORK	(\$35,000)						
						VALUE	EARTHWORK	(\$16,165)						
						VALUE	EARTHWORK	\$0						
							<b>Total Mods. (\$)</b>	<b>\$69,620</b>						
							<b>Mod. Rate (%)</b>	<b>0.74%</b>						
SOUTHWESTDIV	83-2440	CALIFORNIA	21105	MAINTENANCE	\$4,367,000	ADMIN	ADMIN	\$0						
						CLAIM	CLAIM	\$50,003						
						CLAIM	EARTHWORK	\$33,632						
						CLAIM	PLUMBING	\$40,051						
						CREQ	ELECTRICAL	(\$2,385)						
						CRIT	ELECTRICAL	\$1,466						
						CRIT	N/A	(\$7,000)						
						CRIT	N/A	(\$1,750)						
						DSGN	CIVIL	\$5,825						
						DSGN	DOOR/WINDOW	\$383						
						DSGN	ELECTRICAL	\$12,117						
						DSGN	ELECTRICAL	\$2,048						
						DSGN	N/A	\$859						
						DSGN	N/A	\$2,677						
						DSGN	N/A	\$34,196						
						DSGN	N/A	\$2,196						
						DSGN	N/A	(\$1,655)						
						DSGN	ROOFING	(\$1,200)						
						IDEA	PLUMBING	\$3,997						
						UNFO	HVAC	\$3,997						
						UNFO	N/A	\$23,786						
						UNFO	UTILITIES	\$3,080						
							<b>Total Mods. (\$)</b>	<b>\$202,326</b>						
							<b>Mod. Rate (%)</b>	<b>4.63%</b>						
						SOUTHWESTDIV	84-4330	CALIFORNIA	21105	MAINTENANCE	\$9,549,401	ADMIN	ADMIN	\$0
												ADMIN	ADMIN	\$0
												CRIT	N/A	\$16,926
DSGN	CIVIL	\$7,846												
DSGN	DOOR/WINDOW	\$4,675												
DSGN	ELECTRICAL	\$804												
DSGN	ELECTRICAL	\$991												
DSGN	ELECTRICAL	\$180												
DSGN	ELECTRICAL	\$1,460												

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)						
SOUTHWESTDV	85-5164	CALIFORNIA	14140	OPERATIONAL	\$1,891,580	DSGN	N/A	\$24,700						
						DSGN	N/A	\$1,025						
						DSGN	N/A	\$380						
						PLAN	CIVIL	(\$24,885)						
						UNFO	CIVIL	\$1,126						
						UNFO	CIVIL	\$1,880						
						UNFO	CIVIL	\$2,605						
						UNFO	EARTHWORK	\$66,372						
						UNFO	EARTHWORK	\$34,347						
						UNFO	ELECTRICAL	\$2,502						
						UNFO	N/A	\$250						
						UNFO	N/A	\$2,133						
						UNFO	N/A	(\$7,071)						
						UNFO	N/A	\$663						
						UNFO	PLUMBING	\$1,145						
							<b>Total Mods. (\$)</b>	<b>\$140,054</b>						
							<b>Mod. Rate (%)</b>	<b>1.47%</b>						
						SOUTHWESTDV	90-1003	CALIFORNIA	17950	TRAINING	\$1,931,919	ADMIN	ADMIN	\$0
												ADMIN	ADMIN	\$0
												CRIT	CIVIL	(\$1,518)
CRIT	ELECTRICAL	(\$6,745)												
CRIT	N/A	(\$6,563)												
DSGN	CIVIL	\$860												
DSGN	CIVIL	\$1,026												
DSGN	CIVIL	\$938												
DSGN	CIVIL	\$14,793												
DSGN	CIVIL	\$17,026												
DSGN	DOOR/WINDOW	\$1,110												
DSGN	ELECTRICAL	\$2,801												
DSGN	ELECTRICAL	\$596												
DSGN	ELECTRICAL	\$3,358												
DSGN	N/A	\$1,307												
DSGN	N/A	\$8,631												
DSGN	N/A	\$5,006												
IDEA	CIVIL	(\$305)												
PLAN	CIVIL	\$967												
UNFO	DEMOLITION	\$16,676												
UNFO	ELECTRICAL	\$8,529												
UNFO	EXT. OVHD	\$8,598												
UNFO	EXT. OVHD	\$8,777												
	<b>Total Mods. (\$)</b>	<b>\$85,868</b>												
	<b>Mod. Rate (%)</b>	<b>4.54%</b>												
SOUTHWESTDV	86-0149	CALIFORNIA	21230	MAINTENANCE	\$9,739,000	ADMIN	ADMIN	\$0						
						CREQ	CIVIL	\$2,348						
						CREQ	CIVIL	\$11,059						
						CREQ	EQUIPMENT	\$11,572						
						CREQ	N/A	(\$9,597)						
						CRIT	ADMIN	(\$5,000)						
						CRIT	CIVIL	\$14,165						
						CRIT	CIVIL	\$12,612						
						CRIT	EQUIPMENT	\$7,255						
						CRIT	PLUMBING	\$5,000						
						DSGN	CIVIL	\$5,033						
						DSGN	CIVIL	\$4,934						
						DSGN	CIVIL	\$9,727						
						DSGN	DOOR/WINDOW	\$1,093						
						DSGN	DOOR/WINDOW	\$1,719						
						DSGN	ELECTRICAL	\$7,484						
						DSGN	ELECTRICAL	(\$8,919)						
						DSGN	ELECTRICAL	\$9,760						



EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
						DSGN	FINISHES	\$5,681
						DSGN	N/A	(\$29,623)
						DSGN	N/A	\$3,030
						DSGN	N/A	\$887
						DSGN	N/A	\$1,720
						DSGN	PLUMBING	\$10,982
						DSGN	UTILITIES	\$11,833
						DSGN	UTILITIES	\$1,975
						DSGN	UTILITIES	\$474
						UNFO	UTILITIES	\$1,601
							<b>Total Mods. (\$)</b>	<b>\$88,805</b>
							<b>Mod. Rate (%)</b>	<b>0.91%</b>
SOUTHWESTDIV	86-0228	CALIFORNIA	17120	TRAINING	\$5,163,724	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CREQ	CIVIL	\$5,000
						CREQ	CIVIL	\$698
						CREQ	EXT. OVHD	\$490
						CREQ	N/A	\$1,276
						CRIT	CIVIL	\$6,045
						CRIT	EQUIPMENT	\$5,000
						CRIT	N/A	(\$6,218)
						CRIT	N/A	(\$1,384)
						CRIT	N/A	\$18,767
						CRIT	N/A	(\$5,000)
						CRIT	PLUMBING	\$0
						CRIT	PLUMBING	\$5,384
						DSGN	DEMOLITION	\$30,000
						DSGN	DOOR/WINDOW	\$0
						DSGN	EARTHWORK	\$19,153
						DSGN	EARTHWORK	\$15,150
						DSGN	EARTHWORK	\$16,441
						DSGN	ELECTRICAL	\$2,100
						DSGN	EQUIPMENT	\$50,000
						DSGN	FINISHES	\$1,300
						DSGN	FINISHES	\$135
						DSGN	FINISHES	\$1,035
						DSGN	FINISHES	\$206
						DSGN	FINISHES	\$548
						DSGN	FINISHES	\$970
						DSGN	HVAC	\$23,559
						DSGN	N/A	\$737
						DSGN	N/A	\$3,589
						DSGN	N/A	\$11,603
						DSGN	N/A	\$3,399
						DSGN	N/A	\$0
						DSGN	N/A	\$5,416
						DSGN	N/A	\$8,500
						DSGN	N/A	\$9,203
						DSGN	PLUMBING	\$7,787
						DSGN	PLUMBING	\$193
						UNFO	CIVIL	(\$137)
						UNFO	DEMOLITION	\$7,620
						UNFO	EARTHWORK	\$2,773
						UNFO	FINISHES	\$592
						UNFO	N/A	\$700
						VALUE	N/A	(\$5,885)
							<b>Total Mods. (\$)</b>	<b>\$246,745</b>
							<b>Mod. Rate (%)</b>	<b>4.78%</b>
SOUTHWESTDIV	89-6675	CALIFORNIA	42172	SUPPLY	\$7,456,000	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CREQ	N/A	\$4,293
						DSGN	ADMIN	\$0
						DSGN	CIVIL	\$17,155
						DSGN	CIVIL	\$3,199
						DSGN	CIVIL	\$41,700
						DSGN	CIVIL	\$32,374
						DSGN	ELECTRICAL	\$46,037
						DSGN	ELECTRICAL	\$7,756
						DSGN	ELECTRICAL	\$19,914
						DSGN	N/A	\$9,361
						DSGN	N/A	\$5,110
						DSGN	PLUMBING	\$7,375
						UNFO	CIVIL	\$24,999
						UNFO	N/A	\$5,243

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)							
SOUTHWESTDV	91-0114	CALIFORNIA	42172	SUPPLY	\$2,208,737	CREQ	Total Mods. (\$)	\$224,516							
							Mod. Rate (%)	3.01%							
							EARTHWORK	\$11,423							
								CIVIL	\$20,862						
								CIVIL	\$10,356						
								CIVIL	\$2,513						
								CIVIL	\$20,000						
								HVAC	\$10,000						
								UTILITIES	\$4,048						
								EARTHWORK	\$24,543						
								CIVIL	(\$23,745)						
Total Mods. (\$)	\$80,000														
Mod. Rate (%)	3.62%														
SOUTHWESTDV	87-7868	CALIFORNIA	21710	MAINTENANCE	\$1,443,421	CREQ	CIVIL	\$18,346							
							CIVIL	\$3,095							
							ELECTRICAL	\$5,524							
							ELECTRICAL	\$3,685							
							FINISHES	\$2,061							
							DEMOLITION	\$0							
							N/A	\$1,251							
							Total Mods. (\$)	\$33,962							
							Mod. Rate (%)	2.35%							
							SOUTHWESTDV	91-0187	CALIFORNIA	74023	COMMUNITY	\$1,668,800	ADMIN	ADMIN	\$0
														ADMIN	\$0
ADMIN	\$0														
CREQ	\$34,285														
CIVIL	\$1,161														
EARTHWORK	\$17,655														
FINISHES	\$1,760														
DEMOLITION	(\$1,069)														
CIVIL	\$41,356														
CIVIL	(\$6,005)														
EARTHWORK	\$59,895														
FINISHES	\$23,215														
N/A	\$37,701														
EXT. OVHD	\$1,887														
N/A	\$1,788														
UTILITIES	\$854														
Total Mods. (\$)	\$214,483														
Mod. Rate (%)	12.85%														
SOUTHWESTDV	85-5275	CALIFORNIA	15120	OPERATIONAL	\$2,443,637	ADMIN	ADMIN	\$0							
							ADMIN	\$0							
							ADMIN	\$0							
							ADMIN	\$0							
							CREQ	\$1,463							
							N/A	(\$7,621)							
							ELECTRICAL	\$16,130							
							EQUIPMENT	(\$11,787)							
							CIVIL	\$2,543							
							PLUMBING	\$5,843							
							CIVIL	\$7,285							
ELECTRICAL	\$563														
EXT. OVHD	\$5,401														
N/A	\$1,133														
Total Mods. (\$)	\$20,953														
Mod. Rate (%)	0.86%														
SOUTHWESTDV	85-5318	CALIFORNIA	14335	OPERATIONAL	\$1,514,539	ADMIN	ADMIN	\$0							
							N/A	\$723							
							N/A	\$5,734							
							ELECTRICAL	\$1,292							
							FINISHES	\$7,559							
							PLUMBING	\$3,774							
							UTILITIES	\$5,869							
							CIVIL	\$4,562							
							CIVIL	\$4,864							
							DEMOLITION	\$4,866							
							PLUMBING	\$6,922							
Total Mods. (\$)	\$46,165														
% Change Order	3.05%														
SOUTHWESTDV	87-8825	CALIFORNIA	31725	RDT & E	\$3,022,200	ADMIN	ADMIN	\$0							
							ADMIN	\$0							
							ADMIN	\$0							
							ADMIN	\$0							
							ADMIN	\$0							

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
						ADMIN	ADMIN	\$0
						CREQ	DOOR/WINDOW	(\$1,110)
						CREQ	FINISHES	(\$4,600)
						CREQ	FINISHES	\$7,000
						CREQ	N/A	\$0
						CREQ	PLUMBING	\$4,275
						CRIT	N/A	(\$6,365)
						DSGN	CIVIL	(\$19,159)
						DSGN	CIVIL	\$2,881
						DSGN	CIVIL	\$1,658
						DSGN	CIVIL	\$7,000
						DSGN	ELECTRICAL	\$870
						DSGN	ELECTRICAL	\$0
						DSGN	ELECTRICAL	\$4,327
						DSGN	ELECTRICAL	\$12,288
						DSGN	ELECTRICAL	\$33,500
						DSGN	ELECTRICAL	\$8,775
						DSGN	ELECTRICAL	\$4,735
						DSGN	ELECTRICAL	\$5,365
						DSGN	FINISHES	\$1,110
						DSGN	FINISHES	\$3,150
						DSGN	N/A	\$1,300
						DSGN	N/A	\$0
						DSGN	N/A	(\$833)
						DSGN	N/A	(\$150)
						DSGN	N/A	\$3,595
						DSGN	N/A	\$6,000
						DSGN	N/A	\$575
						DSGN	N/A	\$1,050
						DSGN	N/A	\$1,170
						DSGN	N/A	\$2,788
						DSGN	PLUMBING	(\$181)
						PLAN	CIVIL	\$28,073
						TIME	TIME	\$0
						TIME	TIME	\$0
						UNFO	FINISHES	\$8,000
						UNFO	N/A	\$1,039
						UNFO	N/A	\$500
							<b>Total Mods. (\$)</b>	<b>\$118,626</b>
							<b>Mod. Rate (%)</b>	<b>3.93%</b>
SOUTHWESTDIV	87-8829	CALIFORNIA	74074	COMMUNITY	\$1,920,000	CLAIM	CLAIM	\$915
						CLAIM	CLAIM	\$8,000
						CREQ	CIVIL	\$50,000
						CREQ	CIVIL	\$17,363
						CREQ	ELECTRICAL	\$5,671
						CREQ	FINISHES	\$9,500
						CREQ	N/A	\$195
						CREQ	N/A	\$0
						CREQ	N/A	\$3,140
						CREQ	PLUMBING	\$1,009
						DSGN	CIVIL	\$3,060
						DSGN	CIVIL	\$1,254
						DSGN	CIVIL	\$2,715
						DSGN	CIVIL	\$3,625
						DSGN	CIVIL	\$2,576
						DSGN	EARTHWORK	\$3,348
						DSGN	ELECTRICAL	\$1,438
						DSGN	EQUIPMENT	(\$300)
						DSGN	FINISHES	\$5,047
						DSGN	FINISHES	\$3,404
						DSGN	FINISHES	\$452
						DSGN	N/A	\$900
						DSGN	N/A	\$2,180
						DSGN	N/A	\$3,185
						DSGN	N/A	\$2,256
						DSGN	N/A	\$6,750
						DSGN	ROOFING	\$0
						DSGN	UTILITIES	\$1,288
						UNFO	EARTHWORK	\$14,135
							<b>Total Mods. (\$)</b>	<b>\$153,106</b>
							<b>Mod. Rate (%)</b>	<b>7.97%</b>
SOUTHWESTDIV	87-8809	CALIFORNIA	72114	UNACCOMPANIED PERSONNEL HOUSING	\$3,908,871	ADMIN	ADMIN	\$0
						CREQ	CIVIL	(\$160,063)
						CREQ	DOOR/WINDOW	(\$4,534)
						DSGN	CIVIL	\$1,600
						DSGN	DEMOLITION	\$1,000
						DSGN	DEMOLITION	\$1,927
						DSGN	DEMOLITION	\$1,051

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
						DSGN	DOOR/WINDOW	\$4,862
						DSGN	DOOR/WINDOW	\$2,135
						DSGN	ELECTRICAL	\$887
						DSGN	FINISHES	\$3,366
						DSGN	HVAC	\$2,775
						DSGN	N/A	\$1,166
						DSGN	N/A	(\$1,082)
						DSGN	N/A	\$360
						DSGN	N/A	\$0
						DSGN	N/A	\$2,416
						DSGN	N/A	\$4,000
						DSGN	N/A	\$1,800
						DSGN	N/A	\$2,072
						DSGN	N/A	\$589
						DSGN	ROOFING	\$2,807
						DSGN	UTILITIES	(\$950)
						TIME	TIME	\$0
						TIME	TIME	\$0
						UNFO	CIVIL	\$100,000
						UNFO	DEMOLITION	\$0
						UNFO	DEMOLITION	\$4,000
						UNFO	DEMOLITION	\$78
						UNFO	DEMOLITION	\$17,012
						UNFO	ELECTRICAL	\$100,000
						UNFO	ELECTRICAL	\$1,920
						UNFO	N/A	\$900
						UNFO	N/A	(\$298)
						UNFO	N/A	\$20,000
						UNFO	N/A	\$1,928
						UNFO	N/A	\$935
						UNFO	N/A	\$848
						UNFO	UTILITIES	\$67,125
						UNFO	UTILITIES	\$107,620
						UNFO	UTILITIES	\$150,000
							Total Mods. (\$)	\$440,252
							Mod. Rate (%)	11.26%
NORTHWEST	93-2142	WASHINGTON	74064	COMMUNITY	\$2,127,435	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						CREQ	CIVIL	\$2,897
						CREQ	ELECTRICAL	\$711
						CREQ	FINISHES	\$1,267
						CREQ	FINISHES	\$1,319
						CREQ	FINISHES	\$615
						DSGN	CIVIL	\$2,955
						DSGN	DOOR/WINDOW	\$1,486
						DSGN	FINISHES	\$301
						DSGN	FINISHES	\$6,895
						DSGN	FINISHES	\$1,650
						DSGN	HVAC	\$1,891
						DSGN	N/A	(\$660)
						DSGN	N/A	\$456
						DSGN	PLUMBING	\$4,808
						DSGN	PLUMBING	\$13,559
						DSGN	PLUMBING	\$0
						DSGN	PLUMBING	\$4,000
						PLAN	ADMIN	\$747
						UNFO	PLUMBING	\$3,514
						UNFO	UTILITIES	\$4,480
							Total Mods. (\$)	\$52,891
							Mod. Rate (%)	2.49%
NORTHWEST	88-3283	WASHINGTON	74009	COMMUNITY	\$2,896,000	ADMIN	ADMIN	\$0
						CLAIM	ELECTRICAL	\$10,576
						CREQ	CIVIL	\$0
						CREQ	CIVIL	\$1,006
						CREQ	CIVIL	\$0
						CREQ	DOOR/WINDOW	\$4,685
						CREQ	DOOR/WINDOW	\$0
						CREQ	ELECTRICAL	(\$5,510)
						CREQ	FINISHES	\$4,310
						CREQ	FINISHES	\$2,950
						CREQ	PLUMBING	\$7,915
						CREQ	PLUMBING	\$0
						CREQ	PLUMBING	\$4,030
						CREQ	ROOFING	\$12,806
						CREQ	ROOFING	\$13,508
						DSGN	FINISHES	\$2,559

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)	
NORTHWEST	92-3502	WASHINGTON	83116	UTILITIES IMPROVEMENTS	\$4,282,259	DSGN	FINISHES	\$0	
							<b>Total Mods. (\$)</b>	<b>\$58,835</b>	
							<b>Mod. Rate (%)</b>	<b>2.03%</b>	
							ADMIN	ADMIN	\$0
							CLAIM	CLAIM	\$140,927
							CLAIM	DEMOLITION	\$0
							CREQ	N/A	\$4,250
							CREQ	N/A	\$926
							DSGN	CIVIL	\$15,635
							DSGN	CIVIL	\$22,302
							DSGN	CIVIL	\$9,088
							DSGN	CIVIL	\$6,210
							DSGN	CIVIL	\$2,671
							DSGN	ELECTRICAL	\$9,266
							DSGN	EQUIPMENT	\$5,909
							DSGN	N/A	\$6,100
							DSGN	N/A	\$4,800
							DSGN	N/A	\$734
							DSGN	N/A	\$7,500
							DSGN	PLUMBING	\$2,340
							DSGN	PLUMBING	\$1,450
							DSGN	UTILITIES	\$4,044
							DSGN	UTILITIES	\$6,091
	ERROR	PLUMBING	\$3,336						
	PLAN	N/A	\$4,075						
	UNFO	ELECTRICAL	\$773						
	UNFO	N/A	\$9,878						
		<b>Total Mods. (\$)</b>	<b>\$268,305</b>						
		<b>Mod. Rate (%)</b>	<b>6.27%</b>						
NORTHWEST	93-9083	WASHINGTON	83116	UTILITIES IMPROVEMENTS	\$1,045,000	CRIT	PLUMBING	\$1,548	
						CREQ	UTILITIES	\$4,795	
						CRIT	ADMIN	(\$14,424)	
						CRIT	ADMIN	(\$1,886)	
						DSGN	DOOR/WINDOW	\$0	
						ERROR	ADMIN	\$5,000	
						ERROR	ELECTRICAL	\$0	
						UNFO	ADMIN	\$3,652	
						UNFO	ADMIN	\$5,102	
						UNFO	ADMIN	\$0	
							<b>Total Mods. (\$)</b>	<b>\$3,787</b>	
							<b>Mod. Rate (%)</b>	<b>0.36%</b>	
						NORTHWEST	94-7436	WASHINGTON	61010
CREQ	CIVIL	(\$1,166)							
CREQ	ELECTRICAL	\$176							
CREQ	ELECTRICAL	\$310							
CREQ	ELECTRICAL	\$1,256							
CREQ	ELECTRICAL	\$4,447							
CREQ	ELECTRICAL	(\$314)							
CREQ	ELECTRICAL	(\$127)							
CREQ	ELECTRICAL	\$1,827							
CREQ	FINISHES	\$2,278							
CREQ	FINISHES	\$3,062							
CREQ	FINISHES	(\$1,755)							
CREQ	FINISHES	\$5,000							
CREQ	PLUMBING	(\$1,112)							
CRIT	HVAC	(\$182)							
DSGN	ADMIN	\$1,765							
DSGN	ADMIN	\$0							
DSGN	CIVIL	\$2,150							
DSGN	CIVIL	\$1,500							
DSGN	CIVIL	\$414							
DSGN	CIVIL	\$297							
DSGN	CIVIL	\$5,387							
DSGN	CIVIL	\$1,650							
DSGN	CIVIL	\$61							
DSGN	CIVIL	\$3,479							
DSGN	CIVIL	\$0							
DSGN	CIVIL	\$844							
DSGN	CIVIL	\$4,407							
DSGN	CIVIL	\$869							
DSGN	CIVIL	\$1,657							
DSGN	CIVIL	\$1,351							
DSGN	CIVIL	\$5,217							
DSGN	CIVIL	\$16,182							
DSGN	CIVIL	\$1,593							
DSGN	CIVIL	\$1,015							
DSGN	CIVIL	\$1,129							

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
						DSGN	CIVIL	\$1,129
						DSGN	CIVIL	\$1,000
						DSGN	CIVIL	\$6,592
						DSGN	DOOR/WINDOW	\$659
						DSGN	DOOR/WINDOW	\$265
						DSGN	DOOR/WINDOW	\$1,798
						DSGN	DOOR/WINDOW	\$343
						DSGN	DOOR/WINDOW	\$4,033
						DSGN	DOOR/WINDOW	\$398
						DSGN	EARTHWORK	\$0
						DSGN	ELECTRICAL	\$800
						DSGN	ELECTRICAL	\$638
						DSGN	ELECTRICAL	\$611
						DSGN	ELECTRICAL	\$3,654
						DSGN	ELECTRICAL	\$731
						DSGN	ELECTRICAL	\$2,099
						DSGN	ELECTRICAL	(\$613)
						DSGN	ELECTRICAL	\$617
						DSGN	FINISHES	\$3,817
						DSGN	FINISHES	\$750
						DSGN	FINISHES	\$730
						DSGN	FINISHES	(\$730)
						DSGN	FINISHES	\$635
						DSGN	HVAC	\$2,810
						DSGN	HVAC	\$15,000
						DSGN	HVAC	\$26,262
						DSGN	HVAC	\$719
						DSGN	HVAC	\$3,965
						DSGN	HVAC	\$727
						DSGN	PLUMBING	\$12,093
						DSGN	PLUMBING	\$801
						DSGN	PLUMBING	\$2,121
						DSGN	PLUMBING	\$4,878
						DSGN	UTILITIES	(\$545)
						DSGN	UTILITIES	(\$4,762)
						UNFO	ADMIN	\$0
						UNFO	CIVIL	\$5,945
						UNFO	EARTHWORK	\$12,000
						UNFO	EARTHWORK	\$424
						UNFO	EARTHWORK	\$0
						UNFO	EARTHWORK	\$10,000
						UNFO	EARTHWORK	\$5,087
						UNFO	ELECTRICAL	\$28,156
						UNFO	ELECTRICAL	\$670
						UNFO	ELECTRICAL	\$135
						UNFO	UTILITIES	\$1,018
							<b>Total Mods. (\$)</b>	<b>\$223,417</b>
							<b>Mod. Rate (%)</b>	<b>8.53%</b>
NORTHWEST	86-0144	WASHINGTON	44110	SUPPLY	\$8,343,000	CLAIM	CIVIL	(\$5,584)
						CLAIM	TIME	\$0
						CREQ	CIVIL	\$4,700
						CREQ	DOOR/WINDOW	\$26,973
						CREQ	ELECTRICAL	\$63,603
						CREQ	EQUIPMENT	\$175,282
						CREQ	EQUIPMENT	\$352,720
						CREQ	UTILITIES	(\$7,759)
						CRIT	CIVIL	\$2,355
						CRIT	ELECTRICAL	\$41,125
						CRIT	ELECTRICAL	(\$4,642)
						CRIT	ELECTRICAL	(\$63,760)
						DSGN	ADMIN	\$0
						DSGN	CIVIL	\$18,636
						DSGN	CIVIL	(\$11,205)
						DSGN	CIVIL	\$61,968
						DSGN	CIVIL	\$12,397
						DSGN	CIVIL	\$0
						DSGN	CIVIL	\$0
						DSGN	CIVIL	(\$2,303)
						DSGN	DOOR/WINDOW	\$17,569
						DSGN	EARTHWORK	\$25,398
						DSGN	ELECTRICAL	\$4,394
						DSGN	ELECTRICAL	\$2,276
						DSGN	ELECTRICAL	\$486
						DSGN	ELECTRICAL	\$2,180
						DSGN	ELECTRICAL	(\$3,129)
						DSGN	FINISHES	(\$1,724)
						DSGN	HVAC	\$999
						DSGN	HVAC	\$1,844
						DSGN	PLUMBING	\$3,300

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)	
NORTHWEST	94-7339	WASHINGTON	15120	OPERATIONAL	\$3,373,000	DSGN	UTILITIES	\$4,829	
						PLAN	FINISHES	\$0	
						TIME	TIME	\$638	
						UNFO	ADMIN	\$46,610	
						UNFO	EARTHWORK	\$83,245	
						UNFO	HAZ. WASTE	\$53,828	
							<b>Total Mods. (\$)</b>	<b>\$907,249</b>	
							<b>Mod. Rate (%)</b>	<b>10.87%</b>	
							CREQ	ADMIN	\$774
							CREQ	CIVIL	(\$41,194)
							CREQ	CIVIL	\$41,194
							CREQ	CIVIL	(\$6,675)
							CREQ	CIVIL	\$70,073
							CREQ	CIVIL	\$189,927
							CREQ	CIVIL	\$499,454
							CREQ	CIVIL	\$74,155
							CREQ	CIVIL	\$200,615
							CREQ	EARTHWORK	\$2,869
							CREQ	ELECTRICAL	\$37,933
							CREQ	ELECTRICAL	\$0
							CREQ	EQUIPMENT	\$19,360
							DSGN	CIVIL	\$5,969
							DSGN	CIVIL	\$25,350
							DSGN	CIVIL	\$9,737
							DSGN	CIVIL	\$4,670
							DSGN	CIVIL	\$787
							DSGN	CIVIL	\$4,237
							DSGN	CIVIL	\$10,653
							DSGN	CIVIL	\$1,678
							DSGN	CIVIL	\$4,771
							DSGN	CIVIL	\$2,215
							DSGN	DEMOLITION	\$2,989
							DSGN	EARTHWORK	\$1,195
	DSGN	EARTHWORK	\$9,818						
	DSGN	ELECTRICAL	\$8,881						
	DSGN	ELECTRICAL	\$9,539						
	DSGN	ELECTRICAL	\$1,480						
	DSGN	UTILITIES	\$30,454						
	IDEA	ELECTRICAL	(\$7,452)						
	PLAN	CIVIL	\$29,607						
	PLAN	CIVIL	\$88,064						
	UNFO	ADMIN	(\$5,000)						
	UNFO	CIVIL	(\$40,000)						
	UNFO	CIVIL	\$16,607						
	UNFO	CIVIL	\$21,294						
	UNFO	CIVIL	\$155,000						
	UNFO	CIVIL	\$2,273						
	UNFO	DEMOLITION	\$0						
	UNFO	ELECTRICAL	\$13,296						
	UNFO	ELECTRICAL	\$3,854						
	UNFO	PLUMBING	\$5,241						
	UNFO	PLUMBING	\$14,675						
	UNFO	UTILITIES	\$8,657						
		<b>Total Mods. (\$)</b>	<b>\$1,529,024</b>						
		<b>Mod. Rate (%)</b>	<b>45.33%</b>						
NORTHWEST	90-1082	WASHINGTON	15120	OPERATIONAL	\$5,528,000	CREQ	ELECTRICAL	\$0	
						CREQ	ELECTRICAL	(\$27,727)	
						CREQ	ELECTRICAL	\$167,100	
						CREQ	ELECTRICAL	(\$1,713)	
						CREQ	ELECTRICAL	\$3,922	
						CREQ	ELECTRICAL	\$2,017	
						CREQ	ELECTRICAL	\$9,335	
						CREQ	TIME	\$0	
						CREQ	UTILITIES	\$5,545	
						CRIT	ELECTRICAL	(\$3,288)	
						DSGN	CIVIL	\$10,000	
						DSGN	ELECTRICAL	\$10,135	
						DSGN	ELECTRICAL	\$0	
						DSGN	EQUIPMENT	\$7,671	
						DSGN	HVAC	\$1,212	
						DSGN	UTILITIES	\$0	
						DSGN	UTILITIES	(\$17,129)	
						DSGN	UTILITIES	\$15,178	
						DSGN	UTILITIES	\$1,959	
						DSGN	UTILITIES	\$8,898	
						DSGN	UTILITIES	\$5,762	
						DSGN	UTILITIES	\$0	
						UNFO	DEMOLITION	\$0	

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)					
NORTHWEST	93-2142	WASHINGTON	72210	UNACCOMPANIED PERSONNEL HOUSING	\$2,185,000	UNFO	EQUIPMENT	\$6,830					
						UNFO	HAZ. WASTE	\$110,108					
						UNFO	HAZ. WASTE	\$26,894					
						<b>Total Mods. (\$)</b>							<b>\$342,709</b>
						<b>Mod. Rate (%)</b>							<b>6.20%</b>
						ADMIN	ADMIN	\$0					
						ADMIN	ADMIN	\$0					
						ADMIN	ADMIN	\$0					
						ADMIN	ADMIN	\$0					
						ADMIN	ADMIN	\$0					
						CREQ	ELECTRICAL	\$705					
						CREQ	FINISHES	\$1,319					
						CRIT	ROOF	(\$4,000)					
						DSGN	CIVIL	\$2,897					
						DSGN	CIVIL	(\$660)					
						DSGN	CIVIL	\$2,955					
						DSGN	CIVIL	\$4,480					
						DSGN	CIVIL	\$1,987					
						DSGN	DOOR/WINDOW	\$1,486					
						DSGN	DOOR/WINDOW	\$1,631					
						DSGN	ELECTRICAL	\$13,559					
						DSGN	ELECTRICAL	\$456					
						DSGN	ELECTRICAL	\$610					
						DSGN	ELECTRICAL	\$1,381					
						DSGN	FINISHES	\$1,276					
						DSGN	FINISHES	\$6,600					
						DSGN	HVAC	\$1,891					
DSGN	HVAC	\$2,614											
DSGN	UTILITIES	\$4,808											
PLAN	ADMIN	\$1,528											
UNFO	CIVIL	\$493											
UNFO	EXT. OVHD	\$2,808											
UNFO	FINISHES	\$301											
UNFO	UTILITIES	\$3,514											
<b>Total Mods. (\$)</b>							<b>\$54,639</b>						
<b>Mod. Rate (%)</b>							<b>2.50%</b>						
NORTHWEST	92-3516	WASHINGTON	21420	MAINTENANCE	\$1,146,000	ADMIN	ADMIN	\$0					
						ADMIN	ADMIN	\$0					
						CREQ	ELECTRICAL	\$0					
						CREQ	FINISHES	\$3,428					
						CREQ	FINISHES	\$968					
						CREQ	FINISHES	\$7,453					
						CREQ	FINISHES	\$350					
						DSGN	CIVIL	(\$6,302)					
						DSGN	CIVIL	(\$6,302)					
						DSGN	CIVIL	\$879					
						DSGN	CIVIL	\$474					
						DSGN	CIVIL	\$537					
						DSGN	CIVIL	\$1,907					
						DSGN	ELECTRICAL	\$4,730					
						DSGN	ELECTRICAL	\$1,764					
						DSGN	ELECTRICAL	\$765					
						DSGN	FINISHES	(\$1,000)					
						DSGN	UTILITIES	(\$1,400)					
						DSGN	UTILITIES	(\$1,321)					
						UNFO	DOOR/WINDOW	\$4,717					
						UNFO	ELECTRICAL	\$4,090					
						UNFO	FINISHES	\$552					
						UNFO	PLUMBING	\$3,633					
						UNFO	UTILITIES	\$300					
						<b>Total Mods. (\$)</b>							<b>\$20,222</b>
						<b>Mod. Rate (%)</b>							<b>1.76%</b>
						NORTHWEST	87-7630	ALASKA	73055	COMMUNITY	\$21,124,000	ADMIN	ADMIN
ADMIN	ADMIN	\$0											
CREQ	CIVIL	\$15,018											
CREQ	CIVIL	\$19,409											
CREQ	FINISHES	\$37,161											
CREQ	HVAC	\$31,595											
CRIT	ADMIN	\$27,179											
CRIT	CIVIL	\$21,840											
CRIT	CIVIL	(\$43,614)											
CRIT	FINISHES	\$21,805											
CRIT	N/A	\$50,272											
DSGN	CIVIL	\$43,373											
DSGN	CIVIL	\$96,704											
DSGN	CIVIL	\$18,859											
DSGN	ELECTRICAL	\$11,177											



EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
NORTHWEST	77-2294	ALASKA	42172	SUPPLY	\$1,496,000	DSGN	ELECTRICAL	\$9,702
						DSGN	HVAC	\$3,123
						DSGN	HVAC	\$13,490
						DSGN	HVAC	\$4,445
						DSGN	N/A	\$2,706
						DSGN	N/A	\$6,844
						DSGN	N/A	\$1,600
						DSGN	N/A	\$880
						DSGN	N/A	\$1,949
						DSGN	N/A	\$2,366
						DSGN	N/A	(\$38,067)
						TIME	TIME	\$0
						UNFO	N/A	\$4,583
						UNFO	N/A	\$15,415
						Total Mods. (\$)		\$379,814
						Mod. Rate (%)		1.80%
						NORTHWEST	86-0486	WASHINGTON
ADMIN	ADMIN	\$0						
ADMIN	ADMIN	\$0						
ADMIN	ADMIN	\$0						
ADMIN	HVAC	(\$15,189)						
CREQ	CIVIL	\$659						
CREQ	CIVIL	\$2,130						
CREQ	DOOR/WINDOW	(\$720)						
CREQ	ELECTRICAL	\$4,191						
CREQ	ELECTRICAL	\$3,663						
CREQ	ELECTRICAL	\$27,390						
CREQ	ELECTRICAL	(\$3,235)						
CREQ	FINISHES	\$6,047						
CREQ	FINISHES	\$4,897						
CREQ	FINISHES	(\$19,427)						
CREQ	UTILITIES	\$3,586						
CRIT	CIVIL	\$11,798						
CRIT	CIVIL	\$5,647						
CRIT	FINISHES	\$571						
CRIT	HVAC	(\$1,514)						
CRIT	PLUMBING	(\$8,000)						
DSGN	CIVIL	\$827,876						
DSGN	CIVIL	\$1,610						
DSGN	CIVIL	\$769						
DSGN	CIVIL	(\$2,787)						
DSGN	CIVIL	\$6,081						
DSGN	CIVIL	\$29,668						
DSGN	CIVIL	\$1,348						
DSGN	CIVIL	\$16,822						
DSGN	CIVIL	\$2,857						
DSGN	CIVIL	\$4,156						
DSGN	CIVIL	\$1,185						
DSGN	CIVIL	\$1,831						
DSGN	CIVIL	\$7,530						
DSGN	CIVIL	\$3,388						
DSGN	CIVIL	\$5,226						
DSGN	DOOR/WINDOW	\$4,158						
DSGN	DOOR/WINDOW	\$1,719						
DSGN	DOOR/WINDOW	\$1,666						
DSGN	ELECTRICAL	\$3,751						
DSGN	ELECTRICAL	\$2,245						
DSGN	ELECTRICAL	\$3,666						
DSGN	FINISHES	\$4,152						
DSGN	FINISHES	\$736						
DSGN	FINISHES	\$6,810						
DSGN	FINISHES	\$3,398						
DSGN	HVAC	\$51,948						
DSGN	HVAC	\$729						
DSGN	HVAC	\$679						

EFD/EFA	Contract #	Project Location	Category Code	Facility Type	Award Amount (\$)	Mod. Reason Code	Mod. Type	Mod. Cost (\$)
						DSGN	HVAC	\$1,796
						DSGN	PLUMBING	\$9,946
						DSGN	PLUMBING	\$5,266
						DSGN	PLUMBING	\$15,000
						DSGN	PLUMBING	\$15,047
						DSGN	ROOFING	\$2,942
						DSGN	ROOFING	\$3,781
						DSGN	UTILITIES	\$7,034
						PLAN	ELECTRICAL	\$166
						UNFO	ELECTRICAL	\$1,875
						UNFO	HAZ. WASTE	\$6,000
						UNFO	HAZ. WASTE	\$10,496
						UNFO	UTILITIES	\$6,399
							<b>Total Mods. (\$)</b>	<b>\$1,101,459</b>
							<b>Mod. Rate (%)</b>	<b>6.12%</b>
NORTHWEST	88-4395	WASHINGTON	81160	UTILITIES IMPROVEMENTS	\$1,578,000	ADMIN	ADMIN	\$0
						ADMIN	ADMIN	\$0
						DSGN	ELECTRICAL	\$5,296
						DSGN	ELECTRICAL	\$1,318
							<b>Total Mods. (\$)</b>	<b>\$6,614</b>
							<b>Mod. Rate (%)</b>	<b>0.42%</b>
NORTHWEST	93-4048	WASHINGTON	93220	SITE IMPROVEMENTS	\$1,845,000	CREQ	FINISHES	\$6,200
						CREQ	N/A	\$11,000
						CREQ	N/A	\$11,000
						CRIT	FINISHES	(\$1,100)
						DSGN	CIVIL	\$27,689
						DSGN	CIVIL	\$21,575
						DSGN	N/A	\$1,277
						DSGN	N/A	\$7,009
						DSGN	UTILITIES	(\$2,775)
						TIME	TIME	\$0
						UNFO	CIVIL	\$25,000
						UNFO	DEMOLITION	\$10,000
						UNFO	EXT. OVHD	\$4,219
						UNFO	FINISHES	\$2,415
						UNFO	N/A	\$5,500
						UNFO	N/A	\$3,165
						UNFO	N/A	\$6,335
						VALUE	EARTHWORK	(\$6,176)
							<b>Total Mods. (\$)</b>	<b>\$132,333</b>
							<b>Mod. Rate (%)</b>	<b>7.17%</b>

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## Vita

Hector Armando Arellano Jr. was born in El Paso, Texas on September 25, 1964, the son of Yolanda C. Cisneros Arellano and Hector A. Arellano. He graduated from the University of Texas at El Paso, with a Bachelor of Science in Electrical Engineering in May 1987. Shortly after graduation, he was commissioned as an Ensign in the Navy Civil Engineer Corps. He is a Registered Professional Engineer in the State of Texas. He was married to the former Miss Victoria Olvido Alvarez on December 29, 1986, and they have two children Hector Eduardo (4) and Andrea (1). In August, 1994, he entered The graduate School of the University of Texas.

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This thesis was typed by the author.