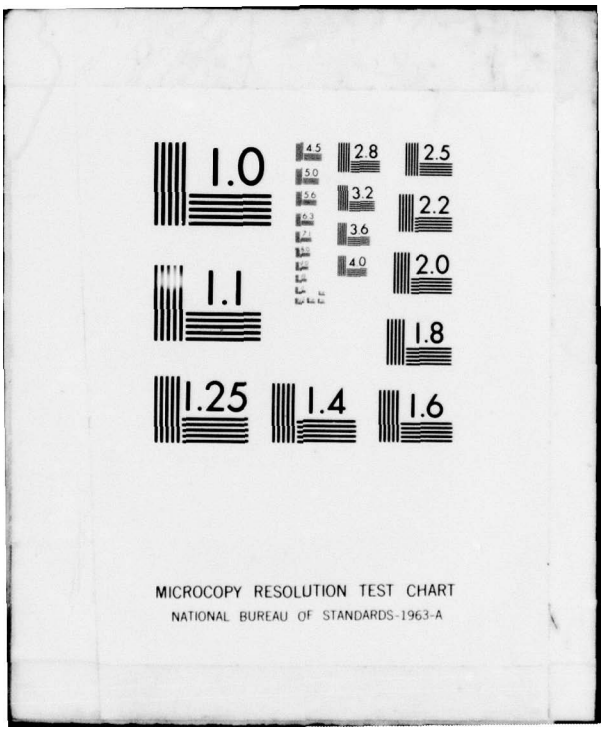
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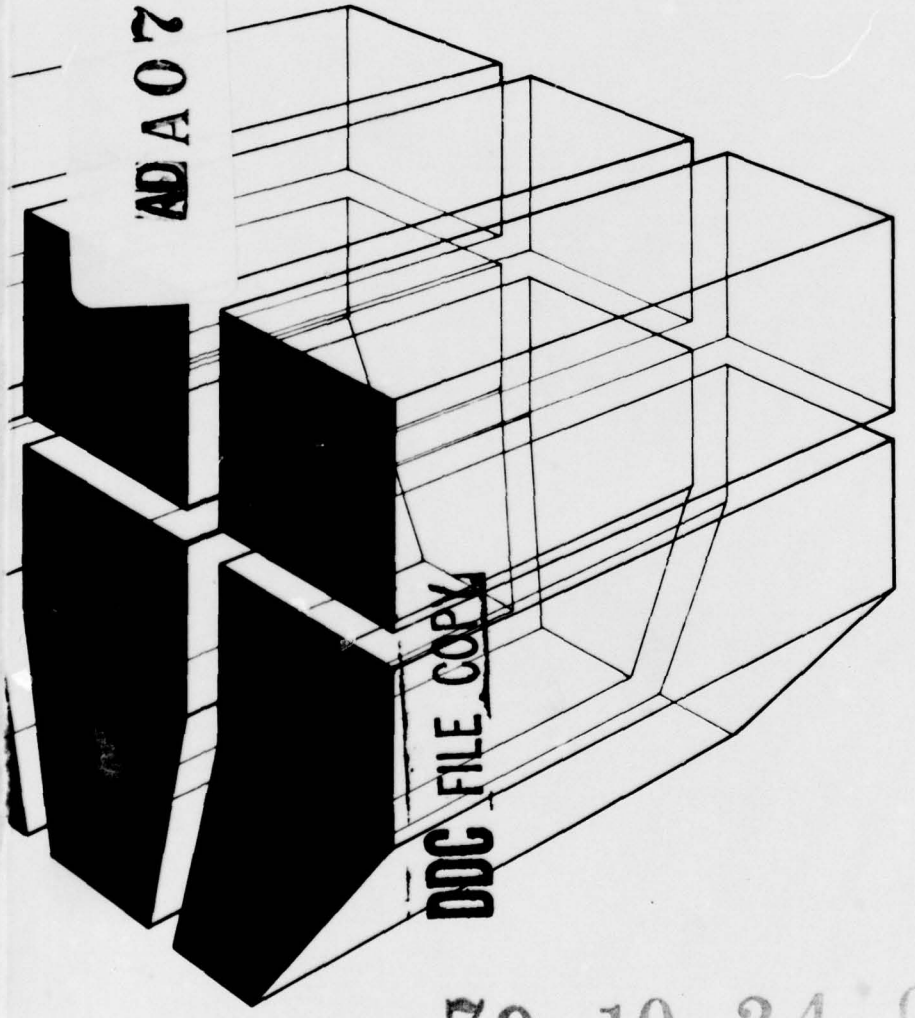
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REAL ESTATE COST ESTIMATING TECHNIQUES FOR PL 91-646 RELOCATION COSTS

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by
U. R. Poskus
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This report documents the development of a predicting model which would better estimate the amount of money required by Districts to compensate individuals relocated from their residences, businesses, or farms as a result of U. S. Army Corps of Engineers construction.

The predictions are the result of applying the least squares method to previous District and state payment data.

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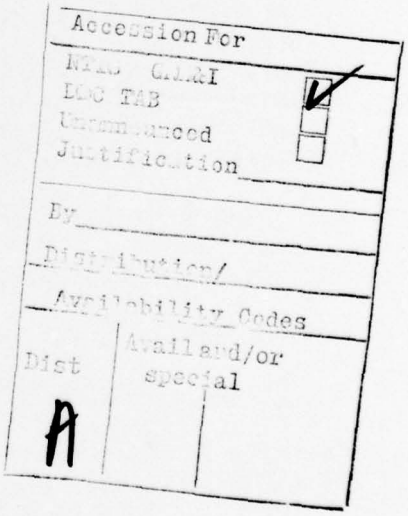
Three different approaches for developing the model were attempted. The approach which used Docket Sheet data broken out by Fiscal Years 72 through 76 was selected as having the highest probability for success. Using the information from these Docket Sheets, average total payments were computed by state and by District, and average values were found for each of 15 payment categories.

FOREWORD

This work was performed for the Office of the Chief of Engineers (OCE), Real Estate Directorate, Programs Division, under Intra Army Orders RE-7T-1 and RE 77-1. The OCE Technical Monitor was Mr. E. Merli, DAEN-REP.

The work was conducted by the Facilities Systems Division (FS), U.S. Army Construction Engineering Research Laboratory (CERL), under the general supervision of Mr. E. A. Lotz (Chief, FS) and Dr. O. E. Rood, Jr. The Principal Investigator was Mr. U. R. Poskus.

COL J. E. Hays is Commander and Director of CERL, and Dr. L. R. Shaffer is Technical Director.



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REAL ESTATE COST ESTIMATING
TECHNIQUES FOR PL 91-646
RELOCATION COSTS

1 INTRODUCTION

Background

A primary mission of the U.S. Army Corps of Engineers (CE) is the design and construction of many types of projects. This work is the responsibility of both the Directorates of Military Programs and Civil Works within the Office of the Chief of Engineers (OCE). In most construction, especially for Civil Works projects, civilian-owned land must be acquired.

"The Federal Government has the inherent power to acquire land for its constitutional purposes (but) this power can only be exercised at the discretion of Congress. (Furthermore,) no land will be purchased in the name of the United States except under a law authorizing such purchase, (and,) no military department may acquire real property not owned by the United States unless the acquisition is expressly authorized by law."[1]

"No request to acquire real estate by transfer, purchase, lease, or condemnation will be considered or approved unless it is established that --

a. The activity to be accommodated is essential to an established mission.

b. Real property under the control of the Army is inadequate to satisfy the requirement.

c. No real property under the control of the Navy or Air Force or other Federal agency is suitable and available for use by the Army on a permit or joint use basis."[2]

The owner of the acquired land is compensated by the Government through the acquiring CE agency. In most cases, taking this land requires compensating the owner or tenant for losses or expenses that he*

---

[1] Acquisition of Real Property and Interests Therein, AR 405-10 (Department of the Army, May 1970), p 1-1.
[2] AR 405-10, p 1-2.
* The masculine pronoun is used throughout this report to represent both genders.

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would not have incurred had the land not been acquired. This compensation is a legal right of the owner/tenant as stipulated by Public Law 91-646, The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970.

This compensation covers moving costs, certain business or farm losses incident to relocation, searching costs for new business or farm locations, replacement housing costs, increased interest expenses, closing costs, rental costs, and downpayments. Many of these costs have minimum and/or maximum payments allowed by law (Table 1). Relocation applicants that meet the various criteria outlined by the law are paid after their applications have been submitted and evaluated.

The sequence of events that takes place from CE project inception to completion is outlined in EP 1105-2-10, How U.S. Army Corps of Engineers Projects Are Conceived, Authorized, Funded, and Implemented (March 1975). This study shows how to improve the cost estimate for relocations under PL 91-646, which takes place during Step 18 of the process shown in Figure 1.

PL 91-646 categorizes seven possible types of applicants, with a further differentiation between owners and tenants.

Table 2 outlines the seven applicant types and the payment categories they may be eligible for. Table 3 consolidates data from Table 2, showing "bunched" payments for each applicant type.

References

Regulatory guidance other than PL 91-646 may be found in AR 405-10 and ER 405-1-663, Regulations for Implementation of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (June 1973). AR 405-10 provides general guidance and assigns the Chief of Engineers responsibility for implementing the Act for the Department of the Army. The following three paragraphs are pertinent portions of AR 405-10.

PL 91-646 was approved 2 January 1971 (84 Stat 1894; 1895). Title II of the act sets forth a uniform policy for the fair and equitable treatment of persons displaced as a result of Federal and Federally assisted programs so that such persons shall not suffer disproportionate injuries as a result of programs designed for the benefits of the public as a whole.

The Executive Office of the President, Office of Management and Budget (OMB), has published guidelines for issuing regulations and procedures to implement PL 91-646. Title 10, U.S.C. 2680, which was known as the Resettlement Act, was repeated by Section 220(a) of PL 91-646;

however, Section 220(b) provides that "any rights or liabilities now existing under prior Acts or portions thereof shall not be affected by the repeal of such prior Acts or portions thereof under subsection (a) of this section." Accordingly, resettlement rights existing at the time of the enactment of PL 91-646 will be honored.

The Chief of Engineers, in consonance with his real estate responsibilities, will take those actions necessary to implement and administer the provisions of PL 91-646 and will take appropriate action in connection with any remaining rights under Title 10, U.S.C. 2680.

More specific guidance is provided in ER 405-1-663 (with change 2) dated 25 November 1975. This ER establishes policy and guidance to OCE and to those Divisions and Districts having real estate responsibilities for implementing the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, and for insuring fair, equitable, and uniform treatment of persons displaced by Federal and Federally assisted programs for which the CE has responsibility.

Problem Statement

PL 91-646 relocation costs are a part of total costs for any project for which the CE must acquire land. The total real estate costs (land, PL 91-646 relocation, other relocations, and administration) for a project are quite small when compared to the total project cost (3 to 5 percent on the average). PL 91-646 relocation costs (hereafter called relocation costs) are a small percentage of total real estate costs. Therefore, while the amount of the relocation costs is small in comparison to the total project cost, it is nevertheless a significant amount and must be estimated as accurately as possible.

Since PL 91-646 is so new, there is very little experience in fulfilling its requirements. The law calls for uniformity in its application to valid applicants; however, uniformity is virtually impossible without a standardized method of estimating relocation costs within the CE. Also, the CE must now provide more accurate relocation estimates before a project can be authorized by Congress. Information provided by several Districts indicates that there is currently no uniform method of estimation. Estimates for potential applicants are based on historical payments for a specific area in that District and are modified as needed, based on previous experience.

To insure that relocation payments are more uniform for each District, a method is required which can be used by all Districts having relocation payment responsibility for both civil and military projects. Improving the accuracy of cost estimates requires that the model provide these estimates both quickly and accurately. Since the model would be used by all Districts as a standard estimating tool, uniformity in providing more accurate estimates would be implicit.

Objective

The objective of this work is to develop a cost-estimating technique that will accurately estimate (90 percent confidence interval) relocation payments made under PL 91-646 to persons relocated from land acquired by the CE for military and civil works purposes.

Scope

This study deals only with relocation payments made under Title II of PL 91-646. Relocations of highways, railroads, utility lines, cables, and pipes are not included under this law and will not be considered.

Applicability

The results of this study will be used by Real Estate Division personnel in CE Districts that have the responsibility of estimating and making relocation payments.

Approach

The following approach was used in developing the cost estimating technique:

1. Current estimating methods were studied.

2. Docket Sheet* data were analyzed to determine whether an estimating pattern could be found and whether there were correlations between sets of variables; District and regional differences were sought.

3. Census data were examined to determine whether an estimating model could be developed from demographic county and state data.

Mode of Technology Transfer

The model developed in this report will be distributed to Districts as an Engineer Circular in the 405 series.

*A computer report (see Chapter 3).

2 CURRENT METHOD OF DERIVING ESTIMATES

At most Districts, the current method of deriving project relocation estimates is to first determine the approximate number of tract owners and tenants on the proposed project site (these are potential applicants) and then to multiply this number by an average-per-applicant amount, based on past experience. The product of these two numbers provides the applicant relocation cost estimate for that project. The number of applicants who will be paid in any one fiscal year is the basis for the budget estimate.

The average estimated per-applicant amount appears to be close to the actual average per-applicant amount paid; however, the total funding requested for a fiscal year and the total amount spent are often inconsistent because, quite often, fewer applicants are paid in that fiscal year than expected. This may be the result of problems within the District, problems in scheduling the workload associated with the payments, or action or inaction of the applicants. This situation is internal to the District and is outside the scope of this work.

In conjunction with this research, a flowchart (Figure 2) was developed through which PL 91-646 can be conceptualized.

3 DOCKET SHEET DATA

A computer output report called Title II, PL 91-646 Relocation Payments Docket Sheet (Figure 3), is prepared at OCE from punched cards furnished by a Division/District for each applicant. Fifteen separate payments are recorded on the Docket Sheets:

1. Actual moving costs -- dwelling (AMD)
2. Actual moving costs -- business (AMB)
3. Actual moving costs -- farm (AMF)
4. Fixed moving costs -- dwelling (FMD)
5. Fixed moving costs -- business (FMB)
6. Fixed moving costs -- farm (FMF)
7. Direct loss -- business (DLB)
8. Direct loss -- farm (DLF)
9. Searching costs -- business (SB)
10. Searching costs -- farm (SF)
11. Replacement housing (RH)
12. Increased interest cost (IIC)
13. Closing costs (CC)
14. Rental payments (SRP)
15. Down payments (DP)
16. Total payments (TOTAL)

CERL researchers accessed the master file of these Docket Sheets, and performed various analyses on the data (Chapter 5).

4 OVERALL STUDY PLAN

Three approaches were taken to develop a model which would improve relocation cost estimating. The approach which used Docket Sheet data broken out by fiscal years (FY72 through FY76) was selected as having the highest probability for success. The other two methods, which used all existing Docket Sheet data for averages and regression analysis of individual payments, are explained in detail in Appendices G and H, respectively.

Data from All Docket Sheets for FY72 through FY76

The complete file of Docket Sheets was accessed and average total payments by state and by District were computed. In addition, average values were found for each of the 15 payment categories; however, the averages for all values were low, since FY72 through FY76 were averaged. The resulting averages were theoretically close to what the FY74 values should be, assuming a linear increase in payments due to inflation over the 5 years.

Regression Analysis of Individual Payments

The second approach involved establishing relationships between payment types and demographic data. This approach has potential for use, but since the early results did not show the desired level of consistency, it became obvious that an unacceptable level of effort would be required to perfect the method. Therefore, this approach was not studied further.

Docket Sheet Data Broken Out by Fiscal Year

With the third approach, the data were readily available, projections could be made for future years, and accuracy was acceptable. This method used Docket Sheet data broken out into the fiscal years in which the payments were made. For the total Docket Sheet file, total payments to applicants were averaged by the state and District in which the payments were made; in addition, each average payment type was computed.

Finding the total average applicant payment permits a user to estimate total relocation funds required for a project if the number of potential applicants is known. Fiscal year budget amounts can be calculated by estimating the number of applicants that will be paid in a fiscal year. If more detailed information becomes available about the types of applicants that will be paid, the payment type average values can be used to calculate fiscal year costs, and this method will become more usable.

5 FISCAL YEAR PAYMENTS

Introduction

This chapter provides data for total and individual payment averages at the national level. When District and state data were analyzed, it was discovered that while more than 7000 applicants have been paid since the inception of PL 91-646, less than half the Districts have made payments to 100 or more applicants. Thus, while useful tabulated data could be and were developed for nationwide estimating, District and state estimating data were not reliable (Appendices A and C).

This estimating model can insure that estimates made for future years are accurate; however, the actual expenditure will depend on the scheduling of District work loads and on action and responses by applicants, as indicated in the preceding chapters.

OCE prepares listings of project payments made for each fiscal year, starting with FY72. Engineer Data Processing Center (EDPC) Program 5N15C provides a review by state; program 5N16C provides a review by District. Various analyses were performed on these data (Appendices A through D).

Tables 4 through 17 and Figures 4 through 17 provide a trend analysis for the fiscal years, using least squares, for all payments except direct loss farm and direct loss business. Table 18 shows the least squares equations that were used, and Table 19 shows projected values for these payments through 1980.

All payments (except increased interest payments) had positive slopes. Replacement housing, total payments, fixed moving for farms, rental payments, and down payments had correlation coefficients R^2 values above 0.90, while closing costs had an R^2 value of .8906. If the listed total payments were only for final, the trend for average amount paid per applicant could progress even more uniformly. Inflation is probably responsible for most of this steady increase.

If the trend for replacement housing is not drastically altered within the next few years, the average replacement housing payment will reach the Section 203 payment ceiling ($15,000) by 1981. The Section 204 payments will also exceed their ceilings soon. Rent payments will average more than $4000 in 1978, and the average down payment will exceed $4000 in 1979. This suggests that the PL 91-646 ceilings for these payments should be raised.

The fixed moving payments also have ceilings, but the trends indicate that none of these will be reached until 1988.

Individual Payment Trends FY72 to FY76

The statistics below summarize individual payment averages for all real estate programs at the national level. Each payment is tabulated (Tables 4 through 17), graphed by using the least squares line (Figures 4 through 17), and discussed. The least squares equations are also shown. For FY72 and FY73, many of the relocation programs were not identifiable, although their amounts were. Consequently, only the civil works average is shown in the tables. The grand total value will often be different from the civil works average for FY72 and FY73 because of other program values that have been averaged in but are not shown on the tables.

Average Total Payment (Total) Curve

Since FY72, total payments have been increasing consistently at approximately $858 per year. As shown in Table 19 and Figure 4, the trend indicates that the average total payment per applicant will be $5705 and $6543 for FY77 and FY78, respectively.

Average Replacement Housing (RH) Curve

Since FY72, replacement housing payments have been increasing consistently at a rate of $1325 per year. The trend indicates (Table 19 and Figure 5) that the average replacement housing payment will be $9510 and $10,884 per applicant for FY77 and FY78, respectively.

Average Residential Moving Payments (AMD) Curve

This curve has one inconsistent data point -- that for FY73. The inclusion of this point depresses the rate of increase to approximately $101 per year. Without the value for FY73, the rate of increase would be approximately $126 per year and the curve would fit the remaining data points much better. The trend indicates the average AMD payment to be $1254 and $1357 in FY77 and FY78, respectively (Table 19 and Figure 6).

Average Fixed Residential Moving Payments (FMD) Curve

The values for these expenses have been very consistent from FY72 to FY76, with an increase of approximately $6 per fiscal year. The trend indicates that the average FMD will be $442 and $448 in FY77 and FY78, respectively (Table 19 and Figure 7).

Average Actual Business Moving Payments (AMB) Curve

This curve does not fit the data points well, so no conclusion can be drawn (Table 19 and Figure 8).

Average Fixed Business Moving Payments (FMB) Curve

This curve provides a reasonably good fit to the data points. The average payments have been increasing at about $200 per year, and if the trend continues, average payments can be expected to be $4232 and $4433 for FY77 and FY78, respectively (Table 19 and Figure 9).

Average Actual Farm Moving Payments (AMF) Curve

This curve provides a good fit to the data points, showing an annual increase of $141. The trend indicates that payments will be $1397 and $1539 in FY77 and FY78, respectively (Table 19 and Figure 10).

Average Fixed Farm Moving Payments (FMF) Curve

This curve also provides a good fit to the data, showing an annual increase of $124. The trend indicates that payments can be expected to be $3739 and $3853 for FY77 and FY78, respectively (Table 19 and Figure 11).

Average Searching Expense Payments Curves for Farms and Businesses (SF, SB)

The curves fit the data points very poorly and, therefore, no conclusion can be drawn (Table 19 and Figures 12 and 13).

Average Increased Interest Cost Payments (IIC) Curve

No conclusions can be drawn from the data, because of the poor fit of the curve (Table 19 and Figure 14).

Average Closing Costs Payments (CC) Curve

The average cost has been increasing consistently, except for FY76. The trend curve (least squares) shows that the increase has been $45 per year and that the expected values will be $358 and $403 for FY77 and FY78, respectively (Table 19 and Figure 15).

Average Rental Payments (RP) Curve

These average payments have been increasing relatively consistently at an annual rate of $627. The trend indicates that the expected values will be $3516 in FY77 and that the PL 91-646 ceiling of $4000 will be reached in FY78 (Table 19 and Figure 16).

Average Down Payment (DP) Curve

These average payments have been increasing consistently at $318 per year. The trend indicates that the expected values will be $3,658 and $3,977 in FY77 and FY78, respectively (Table 19 and Figure 17).

Projections of National Individual Payments FY77 to FY80

Using the least squares equations developed in Table 18, projections were calculated for FY77 to FY80. The fiscal year values are shown in Table 19 and the graphs are shown in Figures 4 through 17.

Confidence Intervals for Projection

Figures 4 through 17 include predicted values for the payment types for FY77, FY78, FY79, and FY80. On each graph, the least squares line is indicated by the solid line. Most of the graphs have dashed lines on opposite sides of the least squares lines. The dashed lines correspond to the prediction limits. One can say that the mean payment for a fiscal year will fall within these limits with 100 (1 - α) percent confidence. For these charts, α was set to be equal to .05. In reference to Figure 18, it can be seen that FYab shows a 95 percent confidence that the mean value for payment X will be between c and d, inclusively.

These confidence intervals were calculated using the equations from Introduction to Statistical Analysis by Dixon and Massey (Appendix I).[3]

The confidence intervals widen with each subsequent fiscal year. This usage of expanding limits correctly reflects the decreasing confidence of future predictions.

These graphs give the estimator a range of figures to use in performing the calculations. The confidence intervals provide the estimator with a range of plausible values, rather than just one number to put into an equation. This range for the future payments reflects the variability of past payments, and thus presents the corresponding uncertainty of future estimates.

This confidence interval also provides the estimator a check for his own calculations. If he has determined a figure that is outside the range shown on these graphs, it may be expedient to recheck the calculations. If his figure is within the limits, he can use that fact to add more credibility to the calculated average. Thus, these intervals can be used in two ways: (1) as a guide for making an estimate, and/or (2) as a check for a determined estimate.

The horizontal lines on the graphs labeled PUB, PLB indicate payment amount limits set by law.

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[3] Dixon and Massey, Introduction to Statistical Analysis (McGraw-Hill, 1957), p 195.

Fiscal Year Data -- Active and Final Reports

Docket Sheets can be classified into two groups -- those that are still active and those that are final. Final reports show all payments that have been made, and no further payments need be considered; however, active reports may not show all payments that the applicants are eligible for or may yet receive.

Active and final applicant reports are listed in summary reports EDPC-5N15C (by state) and EDPC-5N16C (by District) without any distinction between the two types of applicant reports. It is therefore possible for an applicant to be listed in two different fiscal years, and these fiscal years may not necessarily be consecutive. For instance, an investigation showed that some applicants are listed in FY74 and FY76, but not in FY75. It is also possible for an applicant to be listed in 13 fiscal years. No attempts to investigate the possibility of an applicant being listed in four fiscal years has been made. An analysis of the 5N16C reports for FY75 and FY76 shows that 161 of the 2004 applicants listed in FY75 were also listed in FY76. This means that 8.03 percent of the applicants for FY75 were listed twice. These duplicated applicants accounted for $585,051 of the $8,646,153 spent for relocation in FY75. These payments were charged again to FY76. Since $6,288,856 was spent for relocation in FY76, at least 9.30 percent of this total was incorrectly charged against FY76. No figures for further cost duplication have been determined.

6 PREPARING BUDGETARY ESTIMATES

Budgetary estimates of relocation costs may be computed by each District in several ways, depending on the detail of information that the District has on the applicants.

The simplest and quickest estimate can be calculated from the TOTAL line in Table 19. The only additional information required is the total number of applicants that will be paid.

Example 1:

Assume that 100 applicants will be paid in FY76.
The average payment per applicant = $4696
The total amount required for 100 applicants = $4,696 x 100 = $469,600

The second method of calculating an estimate is equally simple, but is in terms of number of individual payments to be made rather than number of applicants to be paid.

Example 2:

Assume that 100 payments will be made in FY76.
Since in FY76 1388 applicants received 2565 payments, on the average, each applicant received

$$\frac{2565}{1388} \text{ payments} = 18,480 \text{ payments}$$

Convert number of payments to equivalent applicants.

$$\frac{100 \text{ payments}}{1.8480 \text{ payments/applicant}} = 54.1126 \text{ applicants}$$

Then, as in Example 1, above, the average payment per applicant = $4696. The total amount required for 54.1126 applicants (which is equivalent to 100 payments) = $4696 x 54.1126 = $254,113.

The third method presumes that the District has more information on the types and numbers of payments to expect. In FY76, the percent distribution of numbers of payments was as shown in Table 20 (actual numbers are in Table 21). For fixed moving dwelling (FMD), 34.31 percent of all payments were of this type. For every 100 applicants, 184.8 payments are made (Example 2). Using the FY76 distribution of payments the following estimate can be calculated (Table 22). (Note that this is very close to the $469,600 value derived in Example 1.)

The fourth method, while similar to three above, assumes that the distribution of payment types is known and that it is different from the standard distribution (Table 23).

The distribution of payment values was not projected because future predictions, in this case, were meaningless. For FY77 and FY78, use of FY76 distribution is suggested so accuracy will not be impaired.

7 VALIDATION

Since each applicant must be evaluated as an individual case, variations were expected both in the amounts of individual payment types and in the total amount received by each individual application. It was determined that the averaging process would indicate the individual payment value that could be expected for each payment. Legitimately high and legitimately low payments would be blended in with the in-between payments. Also, an average based on a large number of payments is more credible than one based on only a few. Therefore, the national average for individual payment types and for total applicant payment types was selected as having the highest reliability (credibility). In doing so, any subjectivity was eliminated by the Districts. Because there may be legitimate regional variations between payment types and total applicant payments, a ±10 percent variation in any of the national average pay-v-ment amounts is acceptable. Variations outside of this +10 percent and -10 percent range, a difference of 20 percent from low to high, are determined by whether a District is liberal or conservative in its servicing of applicants. The 10 percent range was chosen to reflect the Bureau of Labor Statistics, Consumer Price Index ranges from region to region. Investigation of the variations determined that some Districts were consistently above or below average; nine Districts were above 110 percent and 16 Districts below 90 percent of the national average in over half the years for which data were available.

Five Districts were over 150 percent of the national average; seven Districts were 50 percent under the national average. High Districts and/or operating Divisions were Albuquerque, Mobile, North Central Division, Omaha, and Rock Island. Low Districts and/or Operating Divisions were Little Rock, Los Angeles, Memphis, Nashville, New England Division, Norfolk, and Pacific Ocean Division. To investigate whether the average national value computed per applicant was appropriate, data were eliminated for the five Districts that were 150 percent above and the seven Districts 50 percent below the national average for FY76. This reduced the national average payment per applicant from $4696 to $4435, a 6 percent reduction. Since this was still within the ± 10 percent range, all District data were included in the model development.

Finally, individual payment types for each District for FY76 were examined to determine those Districts consistently 110 percent above and those Districts consistently 90 percent below the national average. If the District had more payments in the below 90 percent range than it did for other payments, it was considered low. Consistently high Districts had most payments above 110 percent. Districts consistently high were Alaska, Albuquerque, North Central Division, Omaha, Pittsburgh, and Walla Walla. Districts consistently low were Fort Worth, Huntington, Louisville, Memphis, Mobile, Nashville, Portland, Savannah, St. Louis, and Vicksburg.

8 CONCLUSIONS

This research has developed a technique for CE Districts to use in estimating relocation payments required by PL 91-646. The technique, which is based on national average total payment values, offers several advantages: (1) it is easy to use, (2) it enables Districts to provide OCE with more accurate estimates of fund requirements, and (3) it is a standardized method which eliminates much of the subjective judgment involved in cost estimating.

It is recognized that relocation costs, and consequently payments, will vary from region to region (District to District); this was compensated for by placing a ± 10 percent range of acceptability on the national average total payment.

Table 1

Benefits Receivable by Relocation Applicants*

			MIN	MAX
1. MOVING EXPENSES:	a.	Actual Residential	-	-
	b.	Fixed Residential	200	500
	c.	Actual Business Moving	-	-
	d.	Actual Business Storage	-	-
	e.	Business Direct Loss	-	-
	f.	Actual Business Searching	-	-
	g.	Fixed Business	2500	10000
	h.	Actual Farm Moving	-	-
	i.	Farm Direct Loss	-	-
	j.	Actual Farm Storage	-	-
	k.	Actual Farm Searching	-	-
	l.	Fixed Farm	2500	10000
2. REPLACEMENT HOUSING, HOMEOWNERS:	a.	Additional Cost of House	-	*
	b.	Increased Interest	-	*
	c.	Closing Costs	-	*
		TOTAL (sum of a through c, as they apply)	-	15000
3. REPLACEMENT HOUSING, TENANTS:	a.	Supplemental Rental Payment	-	4000
		OR		
	b.	Down Payment	-	4000
		TOTAL (sum of a through b, as they apply)	-	4000

*NOTE: Sum of additional cost of house, increased interest cost, and closing costs cannot exceed $15,000.

Table 2

Applicant Types and Payment Categories
for Which They May Be Eligible

		Actual Moving			Fixed Moving			Searching		Replace	Incr	Close	Rent	Down
		Dwell	Bus	Farm	Dwell	Bus	Farm	Bus	Farm	Housing	Ints	Cost	Pay	Pay
1 Dwelling Only	Owner	X			X					X	X	X		
	Tenant	X			X								X	X
2 Business & Dwelling	Owner	X	X		X	X		X		X	X	X		
	Tenant	X	X		X	X		X					X	X
3 Farm & Dwelling	Owner	X		X	X		X		X	X	X	X		
	Tenant	X		X	X		X		X				X	X
4 Business, Farm, & Dwelling	Owner	X	X	X	X	X	X	X	X	X	X	X		
	Tenant	X	X	X	X	X	X	X	X				X	X
5 Business, Farm & No Dwelling	Owner		X	X		X	X	X	X					
	Tenant		X	X		X	X	X	X					
6 Business & No Dwelling	Owner		X			X		X						
	Tenant		X			X		X						
7 Farm & No Dwelling	Owner			X			X		X					
	Tenant			X			X		X					

Table 3

Bunched Classes of Payments to Applicants

		Bunched Payments				
		Residential Moving	Business Moving	Farm Moving	Owners' Housing Payment	Tenants' Housing Payment
1 Dwelling Only	Owner	X			X	
	Tenant	X				X
2 Business & Dwelling	Owner	X	X		X	
	Tenant	X	X			X
3 Farm & Dwelling	Owner	X		X	X	
	Tenant	X		X		X
4 Business, Farm, & Dwelling	Owner	X	X	X	X	
	Tenant	X	X	X		X
5 Business, Farm, & No Dwelling	Owner		X	X		
	Tenant		X	X		
6 Business & No Dwelling	Owner		X			
	Tenant		X			
7 Farm & No Dwelling	Owner			X		
	Tenant			X		

Table 4

Average Total Payment Per Applicant ($)

	Civil Works	Military	Atomic Energy Comm.	National Park Service	Air Force	U.S. Postal Service	Grand Total
FY72	1564						1486
FY73	2483						2304
FY74	3260	2140		1613	3840	2412	3203
FY75	4314	2100	272	2917			4265
FY76	4786			2956	5048		4696

Table 5

Average Replacement Housing Per Applicant ($)

	Civil Works	Military	Atomic Energy Comm.	National Park Service	Air Force	U.S. Postal Service	Grand Total
FY72	2907						2944
FY73	3882						3848
FY74	4978	--		4315	--	3136	4966
FY75	6918	--	--	5708			6903
FY76	8321			6045	15000		8285

Table 6

Average Actual Residential Moving Payments ($)

	Civil Works	Military	Atomic Energy Comm.	National Park Service	Air Force	U.S. Postal Service	Grand Total
FY72	637						565
FY73	1200						1139
FY74	885	--		656	--	--	879
FY75	1051	--	272	480			1001
FY76	1083			1731	--		1147

Table 7

Average Fixed Residential Moving Payments ($)

	Civil Works	Military	Atomic Energy Comm.	National Park Service	Air Force	U.S. Postal Service	Grand Total
FY72	411						406
FY73	432						417
FY74	436	410		442	285	--	436
FY75	432	450	--	461			433
FY76	428			437	469		428

Table 8

Average Actual Business Moving Payments ($)

	Civil Works	Military	Atomic Energy Comm.	National Park Service	Air Force	U.S. Postal Service	Grand Total
FY72	624						777
FY73	5026						3439
FY74	4234	--		30	--	--	4167
FY75	17447	--	--	--			17447
FY76	3462			--	--		3462

Table 9

Average Fixed Business Moving Payments ($)

	Civil Works	Military	Atomic Energy Comm.	National Park Service	Air Force	U.S. Postal Service	Grand Total
FY72	3011						2967
FY73	3621						3771
FY74	3671	--		6250	--	--	3742
FY75	3476	--	--	5993			3618
FY76	3886			7500	--		4048

Table 10

Average Actual Farm Moving Payments ($)

	Civil Works	Military	Atomic Energy Comm.	National Park Service	Air Force	U.S. Postal Service	Grand Total
FY72	1111						815
FY73	575						592
FY74	1066	2500		--	--	--	1090
FY75	1095	--	--	--			1095
FY76	1197			2642	--		1271

Table 11

Average Fixed Farm Moving Payments ($)

	Civil Works	Military	Atomic Energy Comm.	National Park Service	Air Force	U.S. Postal Service	Grand Total
FY72	3211						3164
FY73	3220						3216
FY74	3262	--		--	--	--	3262
FY75	3492	--	--	6250			3505
FY76	3643			--	2500		3639

Table 12

Average Business Searching Payments ($)

	Civil Works	Military	Atomic Energy Comm.	National Park Service	Air Force	U.S. Postal Service	Grand Total
FY72	88						88
FY73	673						374
FY74	1347	--		--	--	--	1347
FY75	1234	--	--	--			1234
FY76	333			--	--		333

Table 13

Average Farm Searching Payments ($)

	Civil Works	Military	Atomic Energy Comm.	National Park Service	Air Force	U.S. Postal Service	Grand Total
FY72	371						371
FY73	644						644
FY74	812	2500		--	--	--	892
FY75	785	--	--	--			785
FY76	527			500	--		525

Table 14

Section 203

Average Increased Interest Costs Payments ($)

	Civil Works	Military	Atomic Energy Comm.	National Park Service	Air Force	U.S. Postal Service	Grand Total
FY72	116						118
FY73	137						174
FY74	230	--		486	--	844	238
FY75	295	--	--	455			300
FY76	258			637	674		281

Table 15

Section 203

Average Closing Costs Payments ($)

	Civil Works	Military	Atomic Energy Comm.	National Park Service	Air Force	U.S. Postal Service	Grand Total
FY72	116						118
FY73	137						174
FY74	230	--		486	--	844	238
FY75	295	--	--	455			300
FY76	258			637	674		281

Table 16

Section 204

Average Rental Payments ($)

	Civil Works	Military	Atomic Energy Comm.	National Park Service	Air Force	U.S. Postal Service	Grand Total
FY72	379						665
FY73	899						980
FY74	1103	960		1587	--	--	1111
FY75	2219	--	--	3475			2265
FY76	3139			3740	4000		3156

Table 17

Section 204

Average Down Payments ($)

	Civil Works	Military	Atomic Energy Comm.	National Park Service	Air Force	U.S. Postal Service	Grand Total
FY72	1996						2027
FY73	2368						2464
FY74	2619	--		3098	3555	--	2643
FY75	3037	1650	--	4000			3057
FY76	3289			3820	--		3323

Table 18

Least Squares Equations Using Grand Total Averages

Y	a_0	a_1	R^2
Replacement Housing	-2706294.60	1373.70	.9823
Total Payments	-1651218.60	838.10	.9876
AMD	-201586.20	102.60	.4570
FMD	-11420.00	6.00	.5863
AMB	-3819358.80	1937.8	.2151
FMB	-392947.40	200.90	.6240
AMF	-278348.40	141.50	.6964
FMF	-241221.40	123.90	.9160
SB	-265814.80	135.00	.1385
SF	-87989.20	44.90	.1185
Increased Interest	181810.80	-91.60	.4199
Closing Costs	-89002.60	45.20	.8906
Rent Payments	-1235470.40	626.70	.9019
Down Payments	-626016.20	318.50	.9874

For equations of the form

$y = a_1 x + a_0$

x= number corresponding to year; i.e., 1979

Thus for replacement housing for 1979-
RH=1373.70(1979)-2706294.60
=$12,258

Table 19

National Payment Averages FY72 through FY76 and Projections FY77 through FY80

FISCAL YEAR	72	73	74	75	76	77	78	79	80
AMD	565	1139	879	1001	1147	1254	1357	1459	1562
FMD	406	417	436	433	428	442	448	454	460
AMB	777	3439	4167	17447	3462	11672	13610	15547	17485
FMB	2967	3771	3742	3618	4048	4232	4433	4634	4835
AMF	815	592	1090	1095	1271	1397	1539	1680	1822
FMF	3164	3216	3262	3505	3639	3729	3853	3977	4101
SB	88	374	1347	1234	333	1080	1215	1340	1485
SF	371	644	892	785	525	778	823	868	913
IIC	1295	1094	824	730	1019	718	626	534	443
CC	118	174	238	300	281	358	403	448	493
SRP	665	980	1111	2265	3156	3516	4142*	4769*	5396*
DP	2027	2464	2643	3057	3323	3658	3977	4295*	4614*
RH	2944	3848	4966	6903	8285	9510	10884	12258	13631
TOTAL**	1486	2304	3203	4265	4696	5705	6543	7381	8219

* The trend indicates that the PL ceiling would be exceeded. In these cases, the $9,000 maximum would be paid.

** The TOTAL line gives average payment per applicant whereas the individual payments above this line are in terms of the average value of an individual payment.

Table 20

Individual Payments as a Percent of Total Payments

Payment Type	FY72 %	FY73 %	FY74 %	FY75 %	FY76 %
AMD	5.17	3.77	5.81	9.42	8.65
AMB	1.66	1.89	1.99	1.14	1.95
AMF	1.49	1.50	1.96	1.39	1.52
FMD	53.98	46.24	37.54	33.86	34.31
FMB	1.37	1.89	2.31	2.68	2.61
FMF	6.90	6.41	9.95	10.63	11.15
SB	0.48	0.78	0.54	0.23	0.39
SF	0.42	0.32	0.63	0.40	0.47
RH	10.52	11.61	12.61	12.40	15.13
IIC	1.61	1.17	1.86	1.59	1.75
CC	11.95	9.95	12.10	9.92	9.71
RP	1.49	7.76	5.72	10.86	7.49
DP	2.97	6.73	6.98	5.48	4.87

Table 21

Number of Individual Payments by Fiscal Year

Payment Type	FY72	FY73	FY74	FY75	FY76
AMD	87	106	184	373	222
AMB	28	53	63	45	50
AMF	25	42	62	55	39
FMD	908	1299	1188	1341	880
FMB	23	53	73	106	67
FMF	116	180	315	421	286
SB	8	22	17	9	10
SF	7	9	20	16	12
RH	177	326	399	491	388
IIC	27	33	59	63	45
CC	201	279	383	393	249
RP	25	218	181	430	192
DP	50	189	221	217	125
Total Payments	1682	2809	3165	3960	2565
Total Applicants	1072	1591	1629	2075	1388
Payments Per Applicant	1.5690	1.7656	1.9429	1.9084	1.8480

Table 22

Example of Estimate Using Individual Payments -- Common Distribution

Payment Type	% of Total Payments		Payments		Average Payment Value, $		$
AMD	8.65	x	184.8	x	1,147	=	18,335
AMB	1.95	x	184.8	x	3,462	=	12,476
AMF	1.52	x	184.8	x	1,271	=	3,570
FMD	34.31	x	184.8	x	428	=	27,137
FMB	2.61	x	184.8	x	4,048	=	19,525
FMF	11.15	x	184.8	x	3,639	=	74,982
SB	0.39	x	184.8	x	333	=	240
SF	0.47	x	184.8	x	525	=	456
RH	15.13	x	184.8	x	8,285	=	231,651
IIC	1.75	x	184.8	x	1,019	=	3,295
CC	9.71	x	184.8	x	281	=	5,042
RP	7.49	x	184.8	x	3,156	=	43,684
DP	4.87	x	184.8	x	3,323	=	29,906
							$470,299

Table 23

Example of Estimate Using Individual Payments -- Changed Distribution

Payment Type	% of Total Payments		Payments		Average Payment Value, $		$
AMD	10.00	x	184.8	x	1,147	=	21,197
FMD	40.00	x	184.8	x	428	=	31,638
FMF	20.00	x	184.8	x	3,639	=	134,497
RH	15.00	x	184.8	x	8,285	=	229,660
CC	5.00	x	184.8	x	281	=	2,596
RP	5.00	x	184.8	x	3,156	=	29,161
DP	5.00	x	184.8	x	3,323	=	30,705
							$479,454



Figure 1. Project life conception through operation and maintenance.

BERH

- CONSIDERS VIEWS OF
  - PUBLIC
  - STATES
  - AGENCIES
- REVIEWS AND PROVIDES RECOMMENDATIONS
  - REVISED DRAFT EIS
  - FINAL FR
- TRANSMITS TO CHIEF OF ENGINEERS



13

CHIEF



- REVIEWS BOARD REPORT
- PREPARES HIS DRAFT RECOMMENDATIONS
- DISTRIBUTES FOR OUTSIDE REVIEW
  - REVISED DRAFT EIS (PUBLIC, STATES, FEDERAL DEPARTMENTS) (45-DAY REVIEW PERIOD)
  - FR (GOVERNORS, FEDERAL DEPARTMENTS) (90-DAY REVIEW PERIOD)

14

CHIEF

- REVIEWS RECEIVED COMMENTS
- MODIFIES REPORT AS APPROPRIATE
- PREPARES FINAL EIS

15

CHIEF

- FORWARDS RECOMMENDATIONS TO SECRETARY OF THE ARMY FOR CONSIDERATION
  - FINAL REPORT
  - FINAL EIS
  - SOF

16

SECRETARY OF THE ARMY



- REVIEWS
- COORDINATES WITH OMB
- PREPARES HIS RECOMMENDATIONS
- FORWARDS
  - FINAL EIS, SOF (CEQ, PUBLIC)
  - FINAL FR, FINAL EIS, SOF (CONGRESS)

17

PROJECT AUTHORIZATION

- HOLDS HEARINGS
- INCLUDES IN WATER RESOURCES DEVELOPMENT BILL OR OTHER LEGISLATION



PRESIDENT SIGNS



18

OMB

- REVIEWS CORPS BUDGET
- SUBMITS TO CONGRESS



19

PROJECT FUNDING

- CONGRESS INCLUDES IN APPROPRIATIONS BILL
- PRESIDENT SIGNS



20

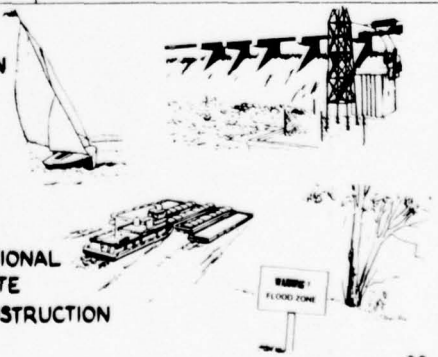
LOCAL INTERESTS GUARANTEE TO FULFILL OBLIGATIONS REQUIRED BY LAW (e.g., REAL ESTATE, COST SHARING, MAINTENANCE, OPERATION, FLOOD ZONING)



21

DE

- FORMULATES PRE-CONSTRUCTION PLANNING GENERAL DESIGN MEMORANDA (GDM)
  - UPDATES EIS AS REQUIRED
  - ISSUES PUBLIC NOTICE AND CONDUCTS AT LEAST ONE PUBLIC MEETING
- OBTAINS ADDITIONAL CONGRESSIONAL AUTHORIZATION AS APPROPRIATE
- INITIATES AND COMPLETES CONSTRUCTION
- OPERATES AND MAINTAINS



22

Figure 1. (Cont'd).

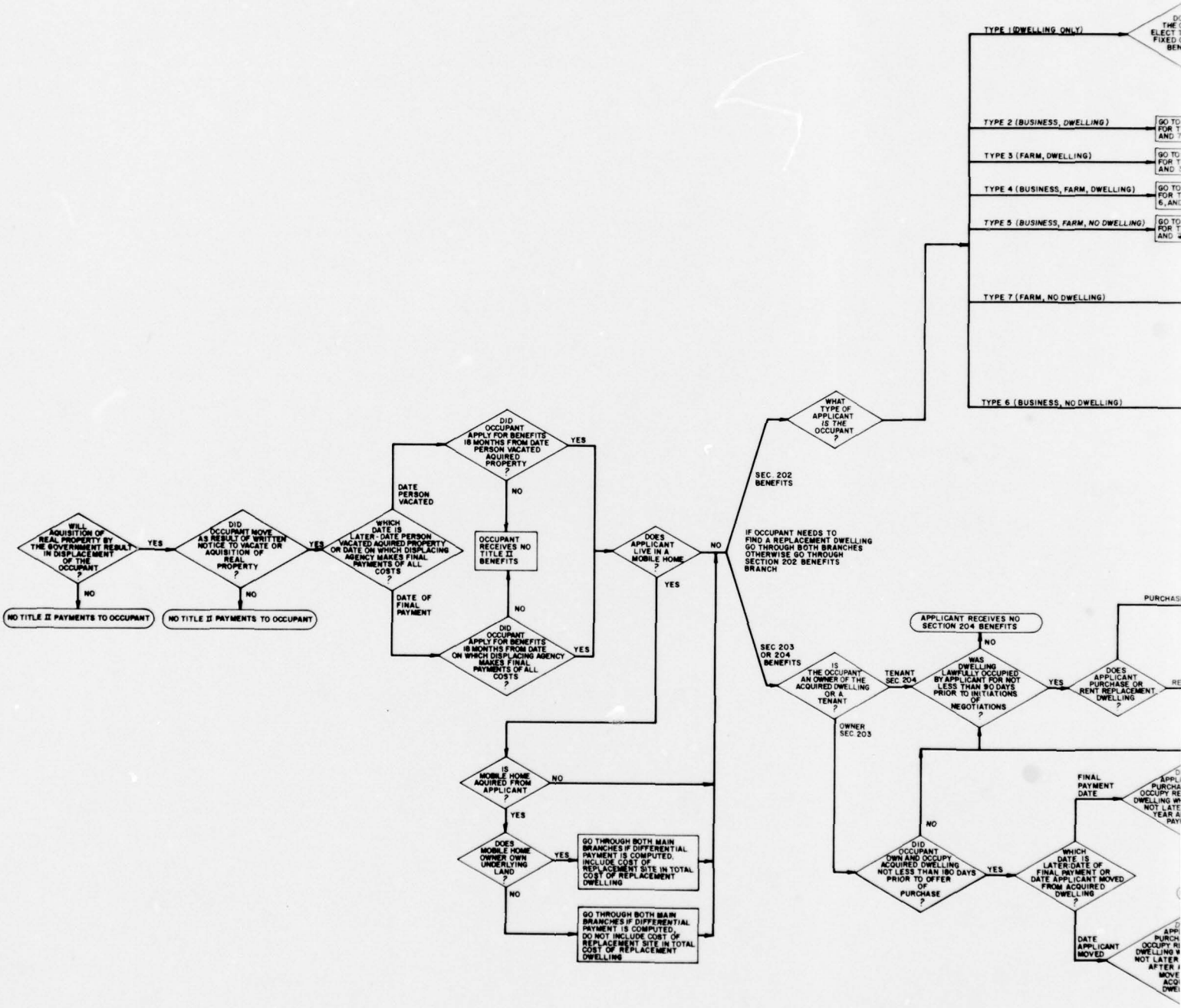
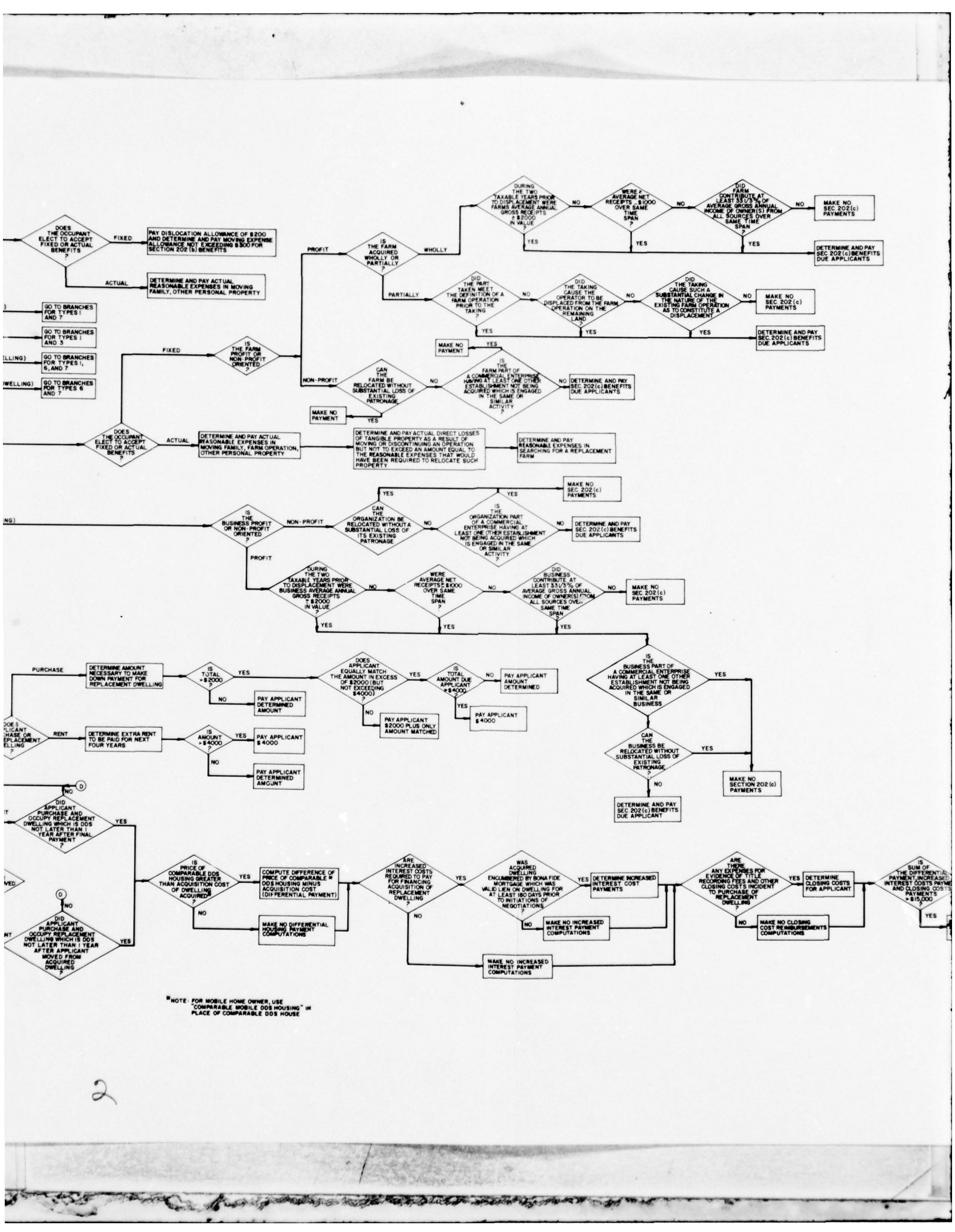
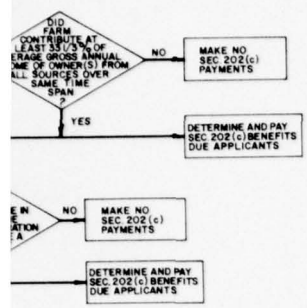
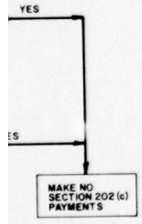


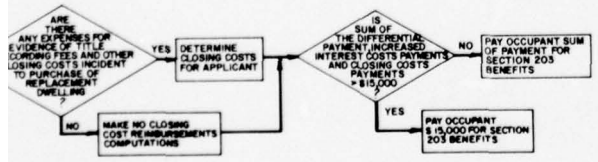
Figure 2. PL 91-646 processes.


DOES THE OCCUPANT ELECT TO ACCEPT FIXED OR ACTUAL BENEFITS ?
FIXED
PAY DISLOCATION ALLOWANCE OF $200 AND DETERMINE AND PAY MOVING EXPENSE ALLOWANCE NOT EXCEEDING $300 FOR SECTION 202 (b) BENEFITS
ACTUAL
DETERMINE AND PAY ACTUAL REASONABLE EXPENSES IN MOVING FAMILY, OTHER PERSONAL PROPERTY
GO TO BRANCHES FOR TYPES I AND 7
GO TO BRANCHES FOR TYPES I AND 3
GO TO BRANCHES FOR TYPES I, 6, AND 7
GO TO BRANCHES FOR TYPES 6 AND 7
DOES THE OCCUPANT ELECT TO ACCEPT FIXED OR ACTUAL BENEFITS ?
ACTUAL
DETERMINE AND PAY ACTUAL REASONABLE EXPENSES IN MOVING FAMILY, FARM OPERATION, OTHER PERSONAL PROPERTY
FIXED
IS THE FARM PROFIT OR NON-PROFIT ORIENTED ?
PROFIT
IS THE FARM ACQUIRED WHOLLY OR PARTIALLY ?
WHOLLY
DURING THE TWO TAXABLE YEARS PRIOR TO DISPLACEMENT WERE FARMS AVERAGE ANNUAL GROSS RECEIPTS ≥ $2000 IN VALUE ?
NO
WERE * AVERAGE NET RECEIPTS ≥ $1000 OVER SAME TIME SPAN ?
NO
DID FARM CONTRIBUTE AT LEAST 33 1/3 % OF AVERAGE GROSS ANNUAL INCOME OF OWNER(S) FROM ALL SOURCES OVER SAME TIME SPAN ?
NO
MAKE NO SEC. 202(c) PAYMENTS
YES
YES
YES
DETERMINE AND PAY SEC. 202(c) BENEFITS DUE APPLICANTS
PARTIALLY
DID THE PART TAKEN MEET THE DEFINITION OF A FARM OPERATION PRIOR TO THE TAKING ?
NO
DID THE TAKING CAUSE THE OPERATOR TO BE DISPLACED FROM THE FARM OPERATION ON THE REMAINING LAND
NO
DID THE TAKING CAUSE SUCH A SUBSTANTIAL CHANGE IN THE NATURE OF THE EXISTING FARM OPERATION AS TO CONSTITUTE A DISPLACEMENT
NO
MAKE NO SEC. 202 (c) PAYMENTS
YES
YES
YES
DETERMINE AND PAY SEC. 202(c) BENEFITS DUE APPLICANTS
MAKE NO PAYMENT
YES
NON-PROFIT
CAN THE FARM BE RELOCATED WITHOUT SUBSTANTIAL LOSS OF EXISTING PATRONAGE
NO
IS THE FARM PART OF A COMMERCIAL ENTERPRISE HAVING AT LEAST ONE OTHER ESTABLISHMENT NOT BEING ACQUIRED WHICH IS ENGAGED IN THE SAME OR SIMILAR ACTIVITY ?
NO
DETERMINE AND PAY SEC. 202(c) BENEFITS DUE APPLICANTS
MAKE NO PAYMENT
YES
DETERMINE AND PAY ACTUAL DIRECT LOSSES OF TANGIBLE PROPERTY AS A RESULT OF MOVING OR DISCONTINUING AN OPERATION BUT NOT TO EXCEED AN AMOUNT EQUAL TO THE REASONABLE EXPENSES THAT WOULD HAVE BEEN REQUIRED TO RELOCATE SUCH PROPERTY
DETERMINE AND PAY REASONABLE EXPENSES IN SEARCHING FOR A REPLACEMENT FARM
IS THE BUSINESS PROFIT OR NON-PROFIT ORIENTED ?
NON-PROFIT
CAN THE ORGANIZATION BE RELOCATED WITHOUT A SUBSTANTIAL LOSS OF ITS EXISTING PATRONAGE
NO
IS THE ORGANIZATION PART OF A COMMERCIAL ENTERPRISE HAVING AT LEAST ONE OTHER ESTABLISHMENT NOT BEING ACQUIRED WHICH IS ENGAGED IN THE SAME OR SIMILAR ACTIVITY ?
NO
DETERMINE AND PAY SEC. 202(c) BENEFITS DUE APPLICANTS
YES
YES
MAKE NO SEC. 202(c) PAYMENTS
PROFIT
DURING THE TWO TAXABLE YEARS PRIOR TO DISPLACEMENT WERE BUSINESS AVERAGE ANNUAL GROSS RECEIPTS ≥ $2000 IN VALUE ?
NO
WERE AVERAGE NET RECEIPTS ≥ $1000 OVER SAME TIME SPAN ?
NO
DID BUSINESS CONTRIBUTE AT LEAST 33 1/3 % OF AVERAGE GROSS ANNUAL INCOME OF OWNER(S) FROM ALL SOURCES OVER SAME TIME SPAN
NO
MAKE NO SECTION 202 (c) PAYMENTS
YES
YES
YES
IS THE BUSINESS PART OF A COMMERCIAL ENTERPRISE HAVING AT LEAST ONE OTHER ESTABLISHMENT NOT BEING ACQUIRED WHICH IS ENGAGED IN THE SAME OR SIMILAR BUSINESS
YES
CAN THE BUSINESS BE RELOCATED WITHOUT SUBSTANTIAL LOSS OF EXISTING PATRONAGE ?
YES
MAKE NO SECTION 202 (c) PAYMENTS
NO
DETERMINE AND PAY SEC. 202(c) BENEFITS DUE APPLICANT
PURCHASE
DETERMINE AMOUNT NECESSARY TO MAKE DOWN PAYMENT FOR REPLACEMENT DWELLING
IS TOTAL ≥ $2000 ?
YES
NO
PAY APPLICANT DETERMINED AMOUNT
DOES APPLICANT EQUALLY MATCH THE AMOUNT IN EXCESS OF $2000 (BUT NOT EXCEEDING $4000) ?
YES
NO
PAY APPLICANT $2000 PLUS ONLY AMOUNT MATCHED
IS TOTAL AMOUNT DUE APPLICANT ≥ $4000 ?
NO
YES
PAY APPLICANT AMOUNT DETERMINED
PAY APPLICANT $4000
RENT
DETERMINE EXTRA RENT TO BE PAID FOR NEXT FOUR YEARS
IS AMOUNT ≥ $4000 ?
YES
NO
PAY APPLICANT $4000
PAY APPLICANT DETERMINED AMOUNT
D
NO
DID APPLICANT PURCHASE AND OCCUPY REPLACEMENT DWELLING WHICH IS DDS NOT LATER THAN 1 YEAR AFTER FINAL PAYMENT ?
YES
IS PRICE OF COMPARABLE DDS HOUSING GREATER THAN ACQUISITION COST OF DWELLING ACQUIRED ?
YES
COMPUTE DIFFERENCE OF PRICE OF COMPARABLE * DDS HOUSING MINUS ACQUISITION COST (DIFFERENTIAL PAYMENT)
NO
MAKE NO DIFFERENTIAL HOUSING PAYMENT COMPUTATIONS
ARE INCREASED INTEREST COSTS REQUIRED TO PAY FOR FINANCING ACQUISITION OF REPLACEMENT DWELLING ?
YES
WAS ACQUIRED DWELLING ENCUMBERED BY BONA FIDE MORTGAGE WHICH WAS VALID LIEN ON DWELLING FOR AT LEAST 180 DAYS PRIOR TO INITIATIONS OF NEGOTIATIONS ?
YES
DETERMINE INCREASED INTEREST COST PAYMENTS
NO
MAKE NO INCREASED INTEREST PAYMENT COMPUTATIONS
NO
MAKE NO INCREASED INTEREST PAYMENT COMPUTATIONS
ARE THERE ANY EXPENSES FOR EVIDENCE OF TITLE, RECORDING FEES AND OTHER CLOSING COSTS INCIDENT TO PURCHASE OF REPLACEMENT DWELLING ?
YES
DETERMINE CLOSING COSTS FOR APPLICANT
NO
MAKE NO CLOSING COST REIMBURSEMENTS COMPUTATIONS
IS SUM OF THE DIFFERENTIAL PAYMENT, INCREASED INTEREST COSTS PAYMENT AND CLOSING COSTS PAYMENTS ≥ $15,000 ?
YES
D
NO
DID APPLICANT PURCHASE AND OCCUPY REPLACEMENT DWELLING WHICH IS DDS NOT LATER THAN 1 YEAR AFTER APPLICANT MOVED FROM ACQUIRED DWELLING ?
YES
*NOTE: FOR MOBILE HOME OWNER, USE "COMPARABLE MOBILE DDS HOUSING" IN PLACE OF COMPARABLE DDS HOUSE

2


DID FARM CONTRIBUTE AT LEAST 331/3 % OF AVERAGE GROSS ANNUAL INCOME TO OWNER(S) FROM ALL SOURCES OVER SAME TIME SPAN ?
NO
MAKE NO SEC. 202(c) PAYMENTS
YES
DETERMINE AND PAY SEC. 202(c) BENEFITS DUE APPLICANTS
NO
MAKE NO SEC. 202(c) PAYMENTS
DETERMINE AND PAY SEC. 202(c) BENEFITS DUE APPLICANTS


YES
MAKE NO SECTION 202(c) PAYMENTS


ARE THERE ANY EXPENSES FOR EVIDENCE OF TITLE RECORDING FEES AND OTHER CLOSING COSTS INCIDENT TO PURCHASE OF REPLACEMENT DWELLING ?
YES
DETERMINE CLOSING COSTS FOR APPLICANT
NO
MAKE NO CLOSING COST REIMBURSEMENTS COMPUTATIONS
IS SUM OF THE DIFFERENTIAL PAYMENT, INCREASED INTEREST COSTS PAYMENTS AND CLOSING COSTS PAYMENTS > $15,000 ?
NO
PAY OCCUPANT SUM OF PAYMENT FOR SECTION 203 BENEFITS
YES
PAY OCCUPANT $ 15,000 FOR SECTION 203 BENEFITS

TITLE II, PL 91-646 DATE-730630
RCS. DAEN-RE-18 RELOCATION PAYMENTS DISTRICT-PHIL
DOCKET SHEET TYPE REPORT-ACTIVE

KEYWORD--0X03400020879
PROJECT--DELAWARE WTR GAP NRA SUSSEX COUNTY N-J
APPLICANT- PROGRAM (AGENCY) CODE----8
NAME----------MARVEL IRMGARD OWNER-TENANT CODE-----0
MAILING ADDRESS-29 DEERFIELD DR TYPE APPLICANT CODE-----1
CITY----------W ORANGE PROFIT-NONPROFIT CODE------N
STATE----------N-J DATE LAND ACQUIRED -71D923

ADDRESS FROM WHICH MOVED- ADDRESS TO WHICH MOVED-
ADDRESS--TRACT 3556 ADDRESS-29 DEERFIELD DR
CITY-----DWGNRA CITY----W ORANGE
STATE----N-J STATE---N-J

GENERAL INFORMATION

DATE BROCHURE MAILED----------711119 AGE GROUP------1
DATE OF NOTIFICATION TO VACATE- ETHNIC GROUP---5
DATE PROPERTY VACATED---------- NO. IN FAMILY--3
DATE APPLICATION RECEIVED------730409 DWELLING ON ACQU LAND-Y
DATES RENT AUTH- HARDSHIP-PAYT- LATEST-PAYT-730419

ELIGIBILITY AND APPEAL INFORMATION

DATE ELIGIBILITY DETERMINED--730417 DATE OF APPEAL-
DETERMINATION----------1 DETERMINATION----------
REASON IF INELIGIBLE----0 DATE---- BY-------
DATE APPLICANT NOTIFIED----730419 DATE APPLICANT NOTIFIED

AMOUNTS CLAIMED BY APPLICANTS AND AMOUNTS PAID

	CLAIMED	HARDSHIP PAYMENTS	TOTAL PAYMENTS
ACTUAL MOVING EXPENSE-			
DWELLING	$, .	$, .	$, .
BUSINESS	, .	, .	, .
FARM	, .	, .	, .
FIXED MOVING EXPENSE-			
DWELLING	450.00	, .	425.00
BUSINESS	, .	, .	, .
FARM	, .	, .	, .
DIRECT LOSS-			
BUSINESS	, .	, .	, .
FARM	, .	, .	, .
SEARCHING-			
BUSINESS	, .	, .	, .
FARM	, .	, .	, .
REPLACEMENT HOUSING	, .	, .	, .
INCREASED INTEREST COSTS	, .	, .	, .
CLOSING COSTS	, .	, .	, .
RENT AUTH. ($, .)			
RENTAL PAYMENTS	, .	, .	, .
DOWN PAYMENTS	, .	, .	, .
GRAND TOTAL	$ 450.00	$ .00	$ 425.00

Figure 3. Relocation payment docket sheet.

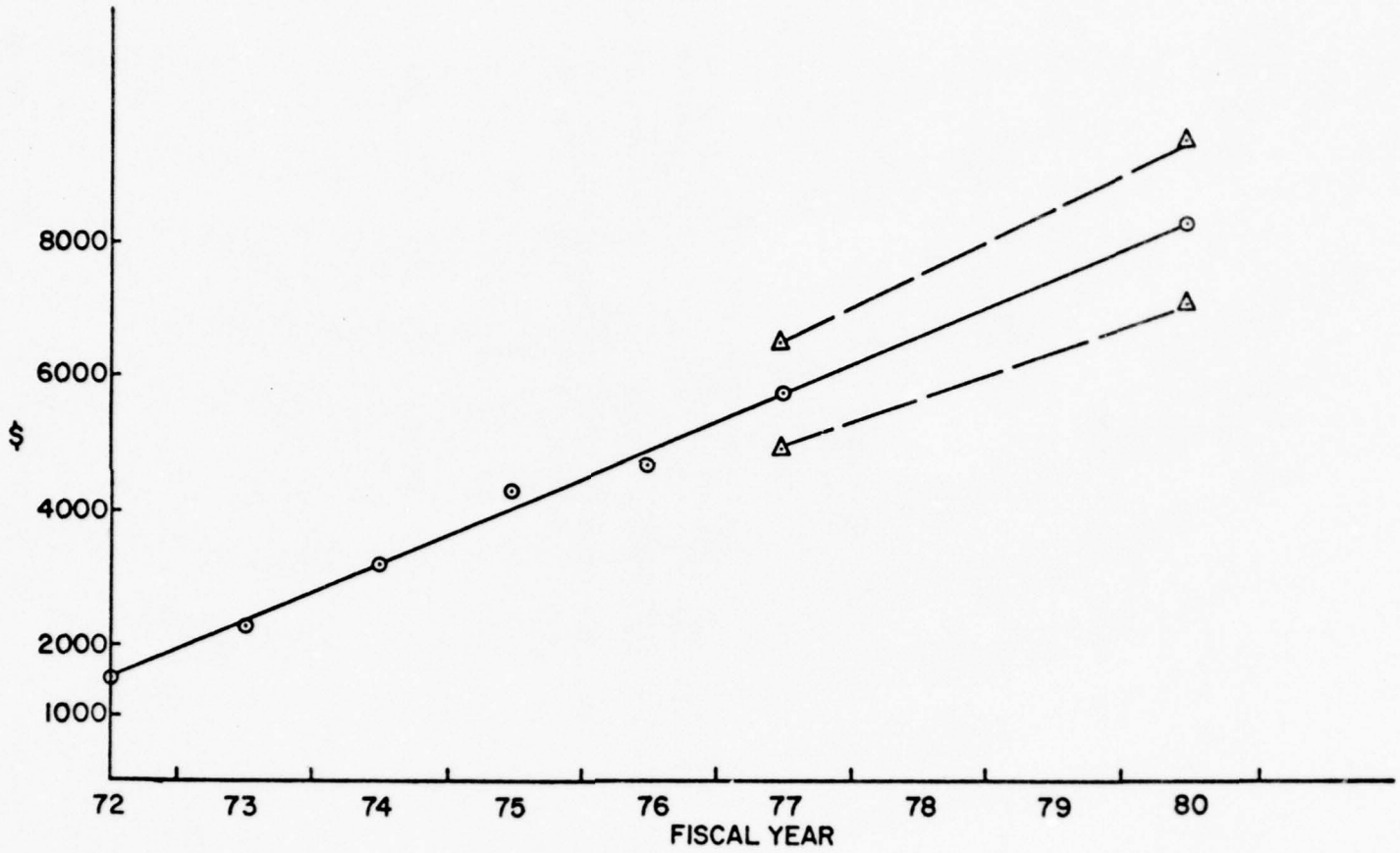


Figure 4. Average total payment per applicant with projections and confidence intervals.

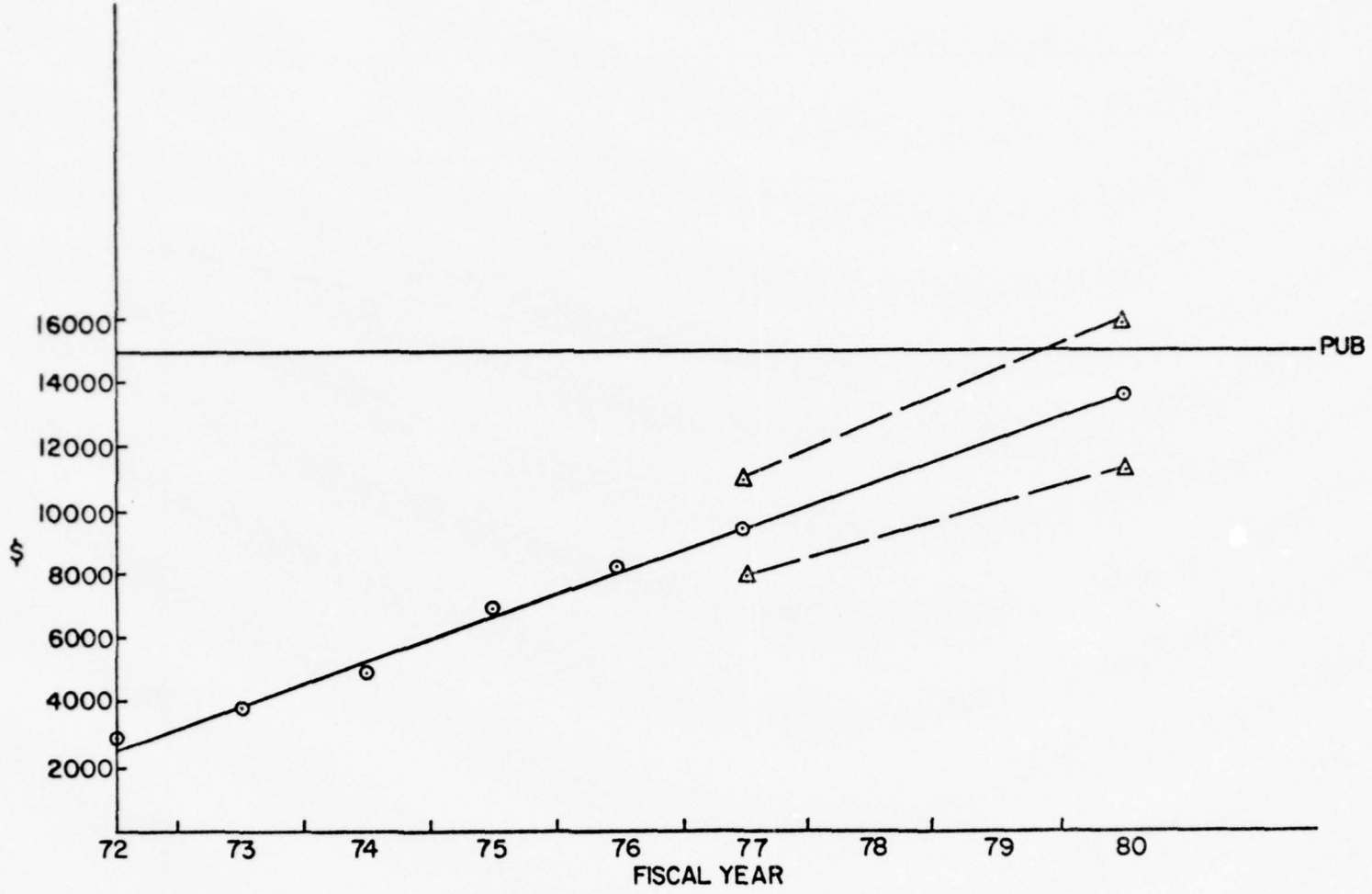


Figure 5. Average replacement housing payment with projections and confidence intervals.

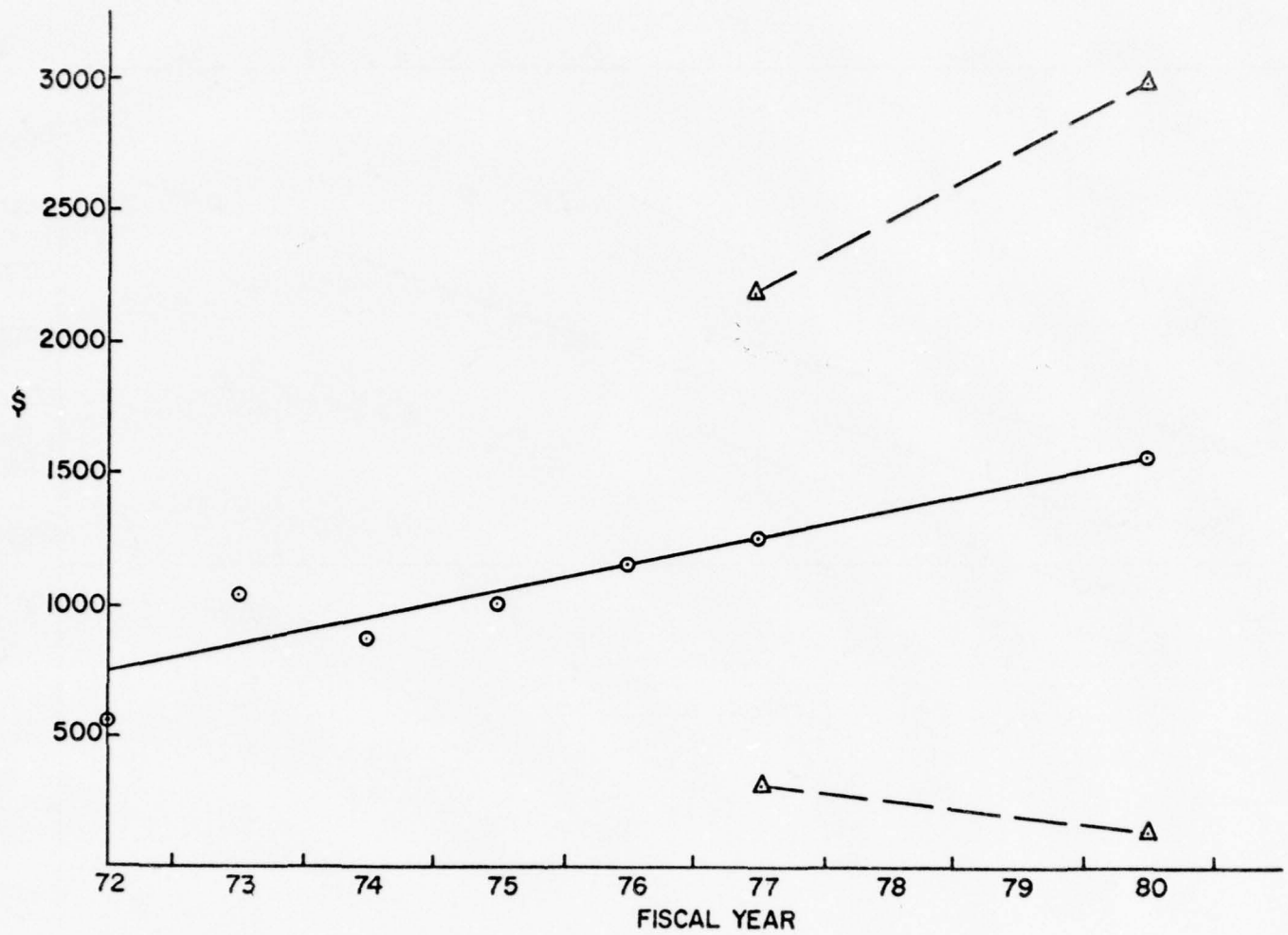


Figure 6. Average actual residential moving payments with projections and confidence intervals.

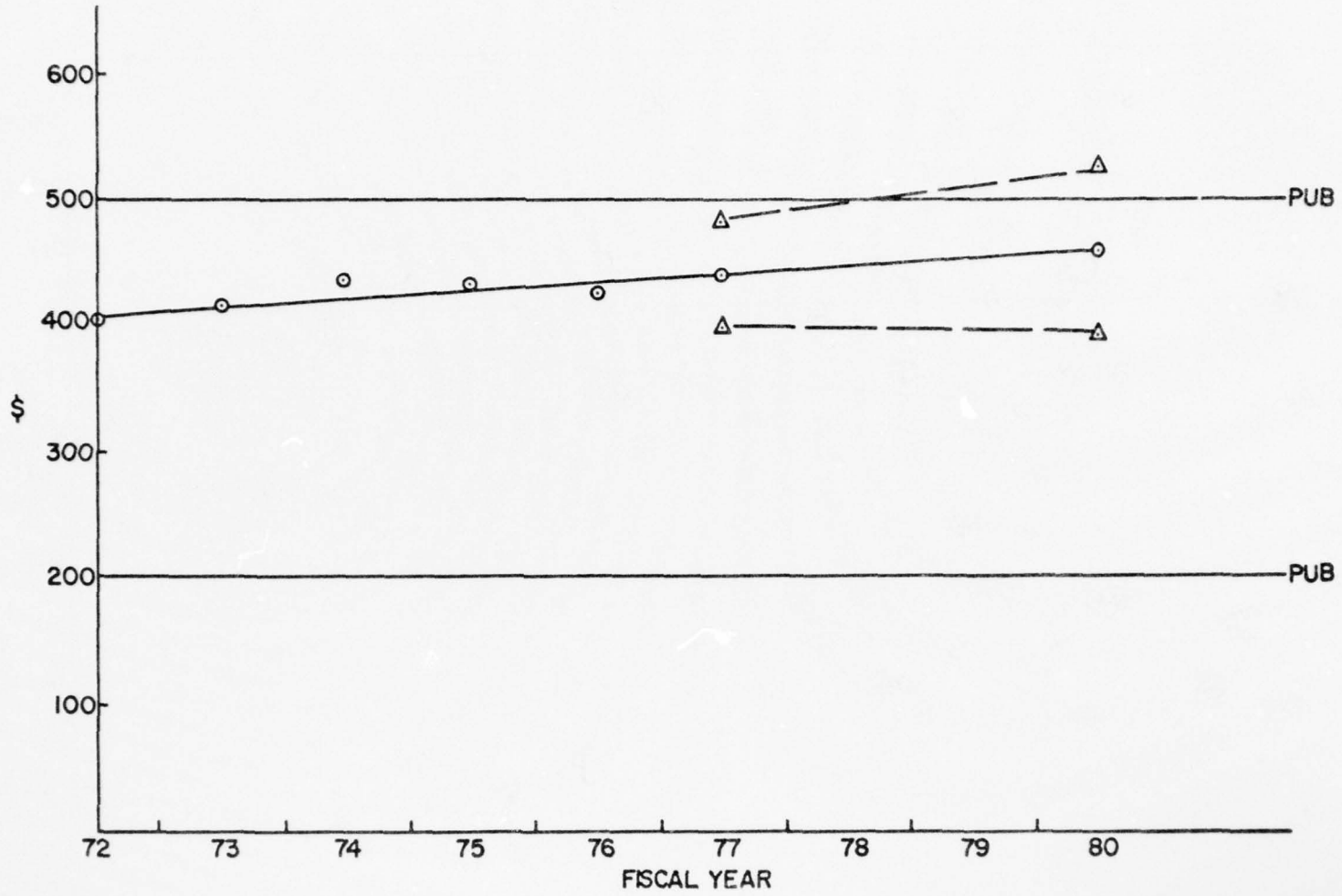


Figure 7. Average fixed residential moving payments with projections and confidence intervals.

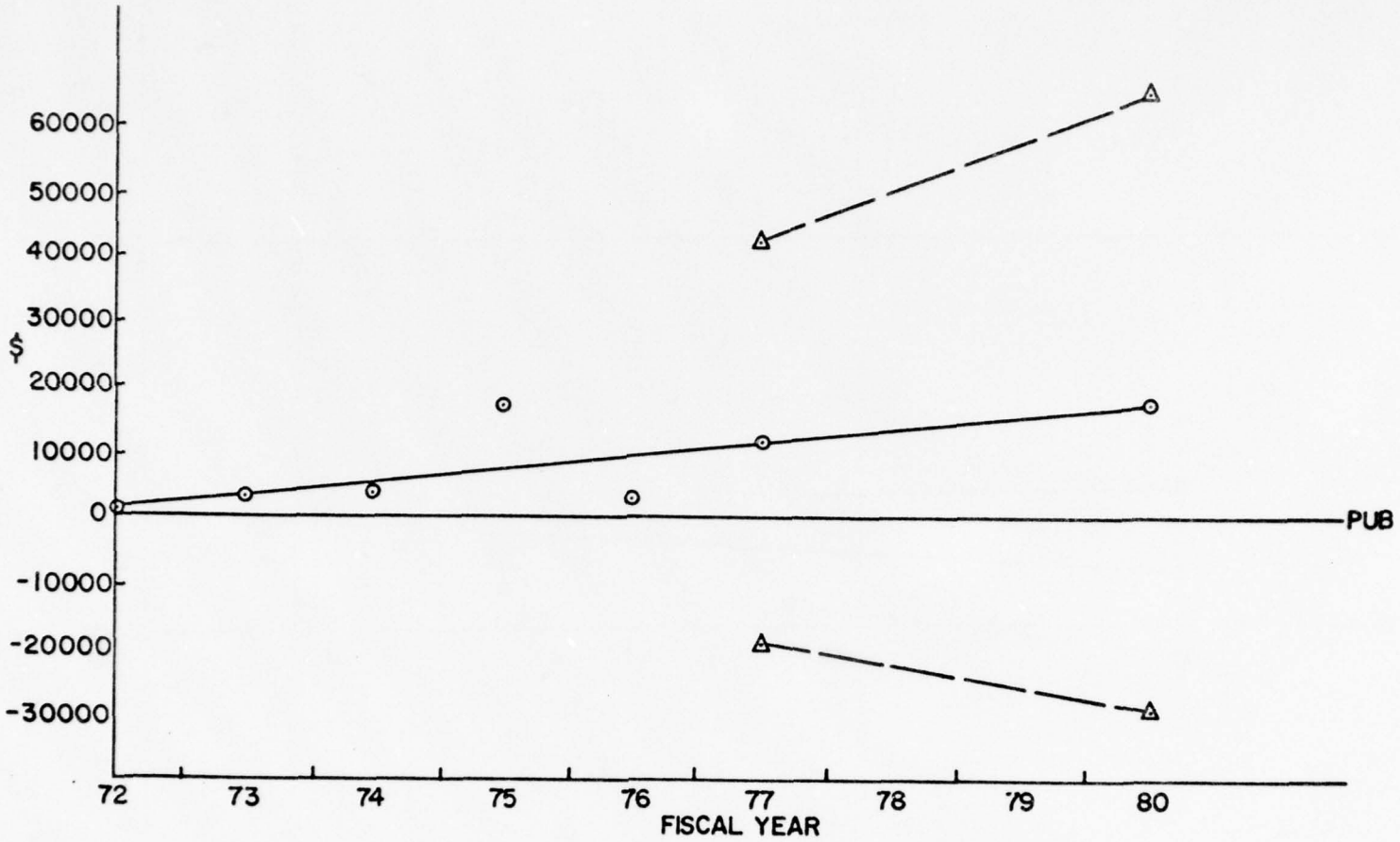


Figure 8. Average actual business moving payments with projections and confidence intervals.

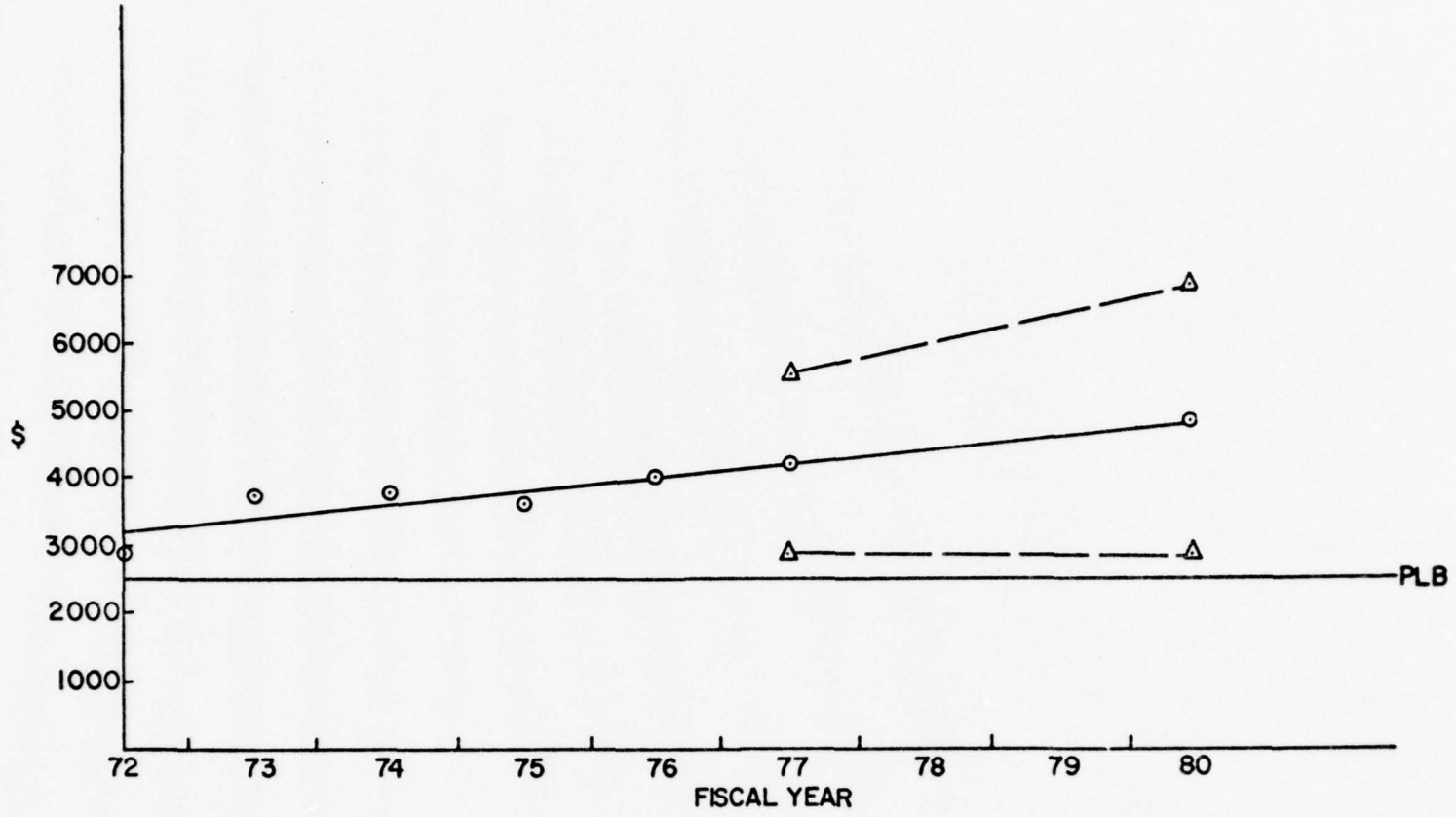


Figure 9. Average fixed business moving payments with projections and confidence intervals.

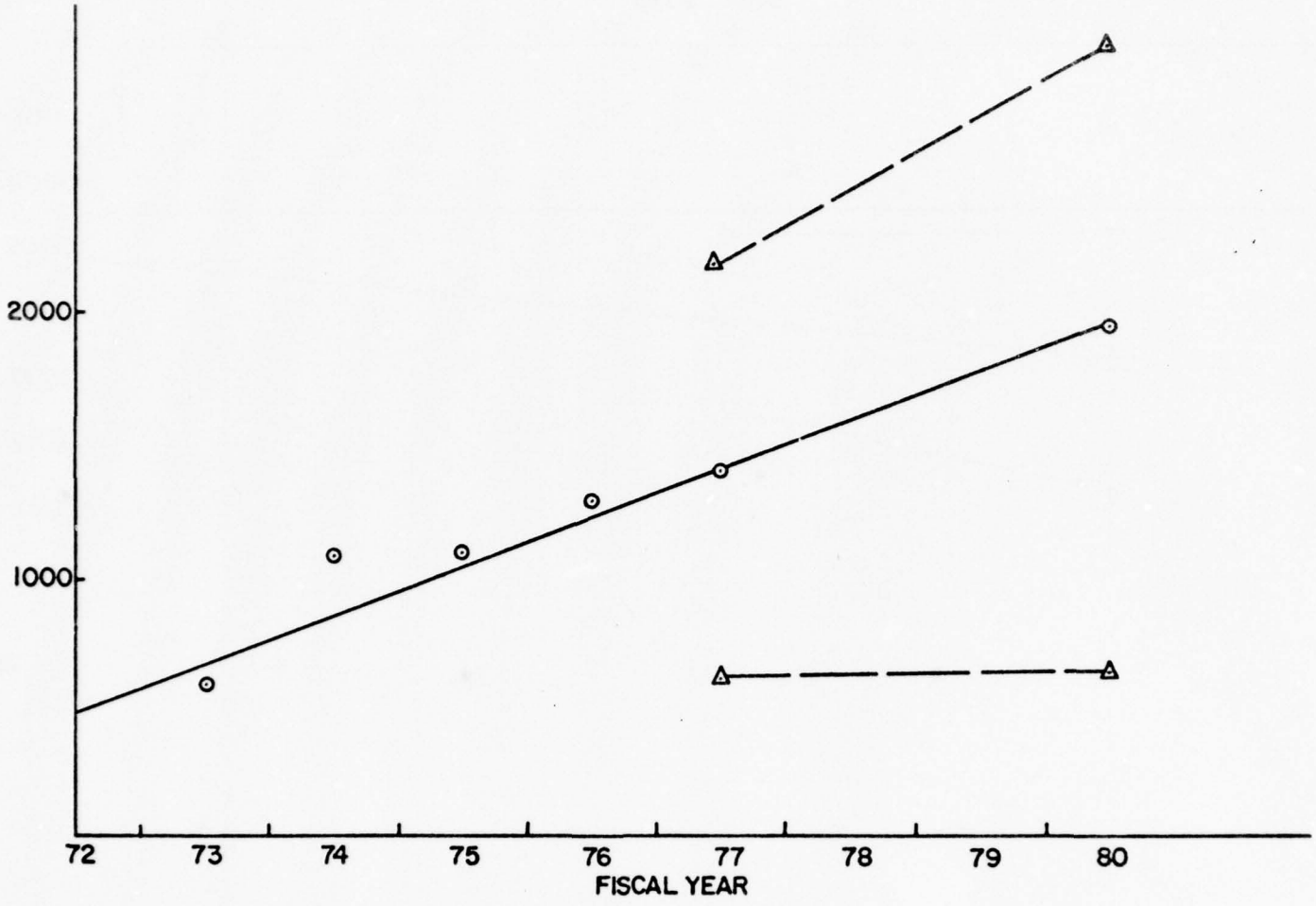


Figure 10. Average actual farm moving payments with projections and confidence intervals.

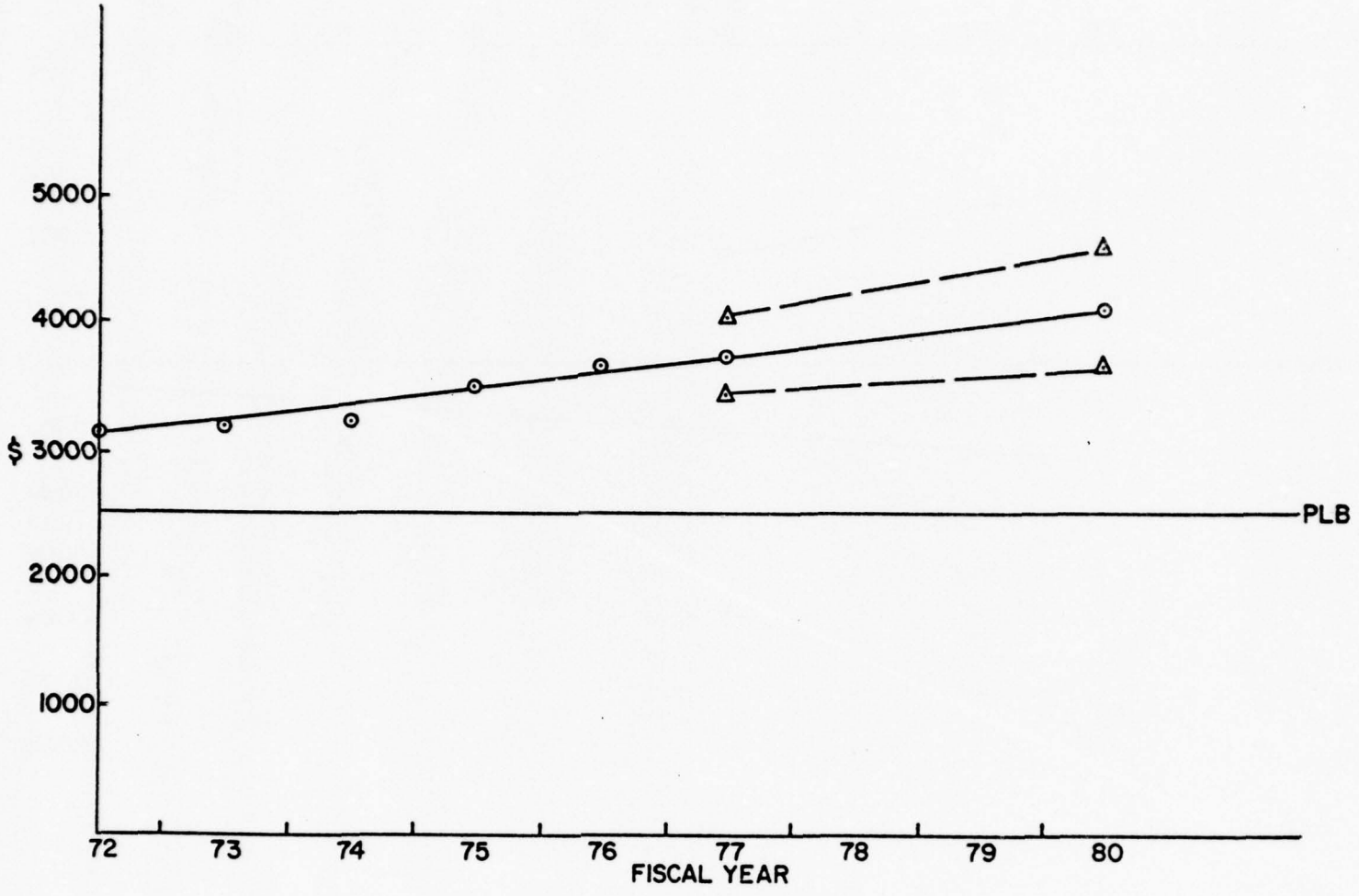


Figure 11. Average fixed farm moving payments with projections and confidence intervals.

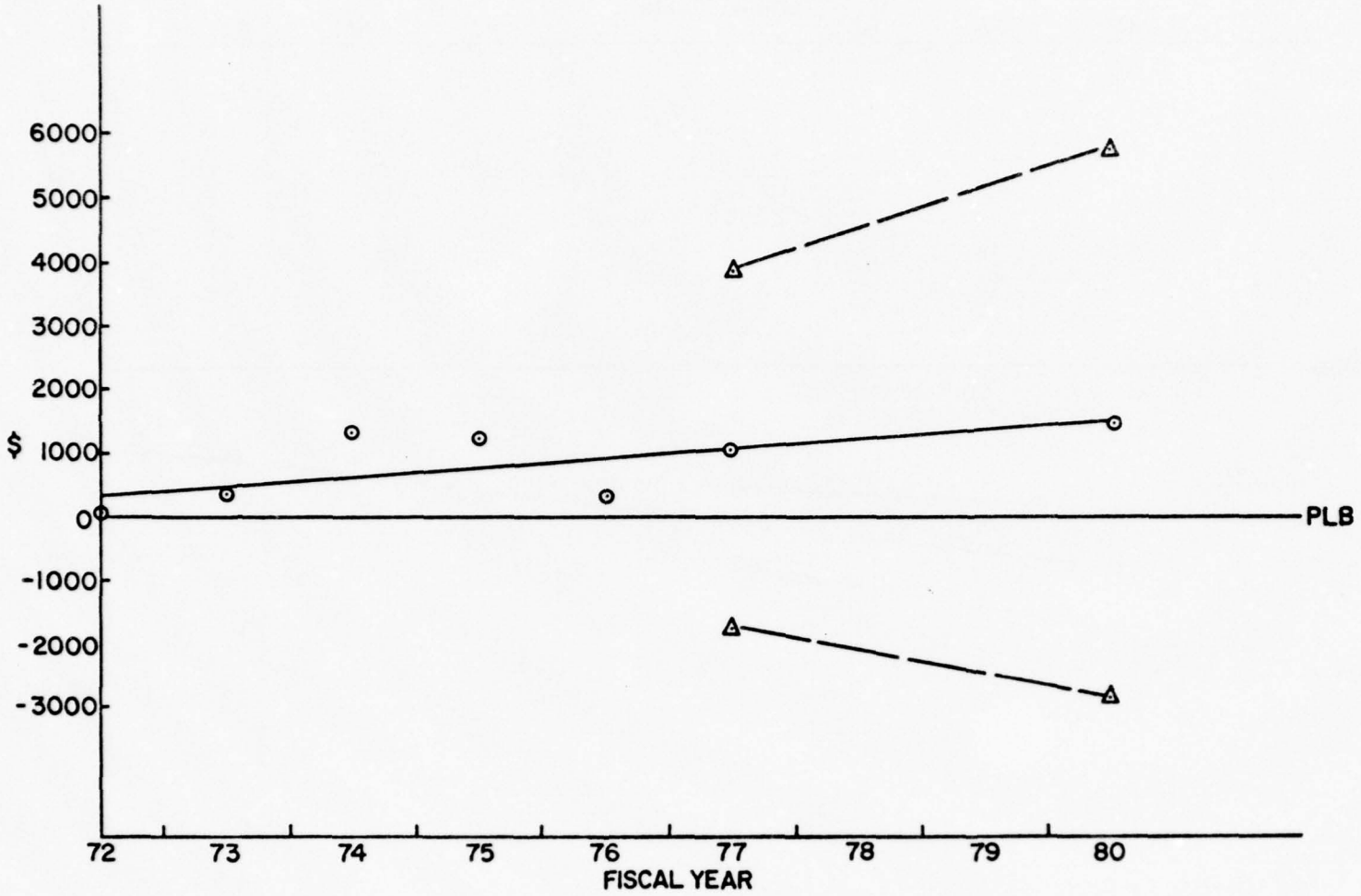


Figure 12. Average business searching payments with projections and confidence intervals.

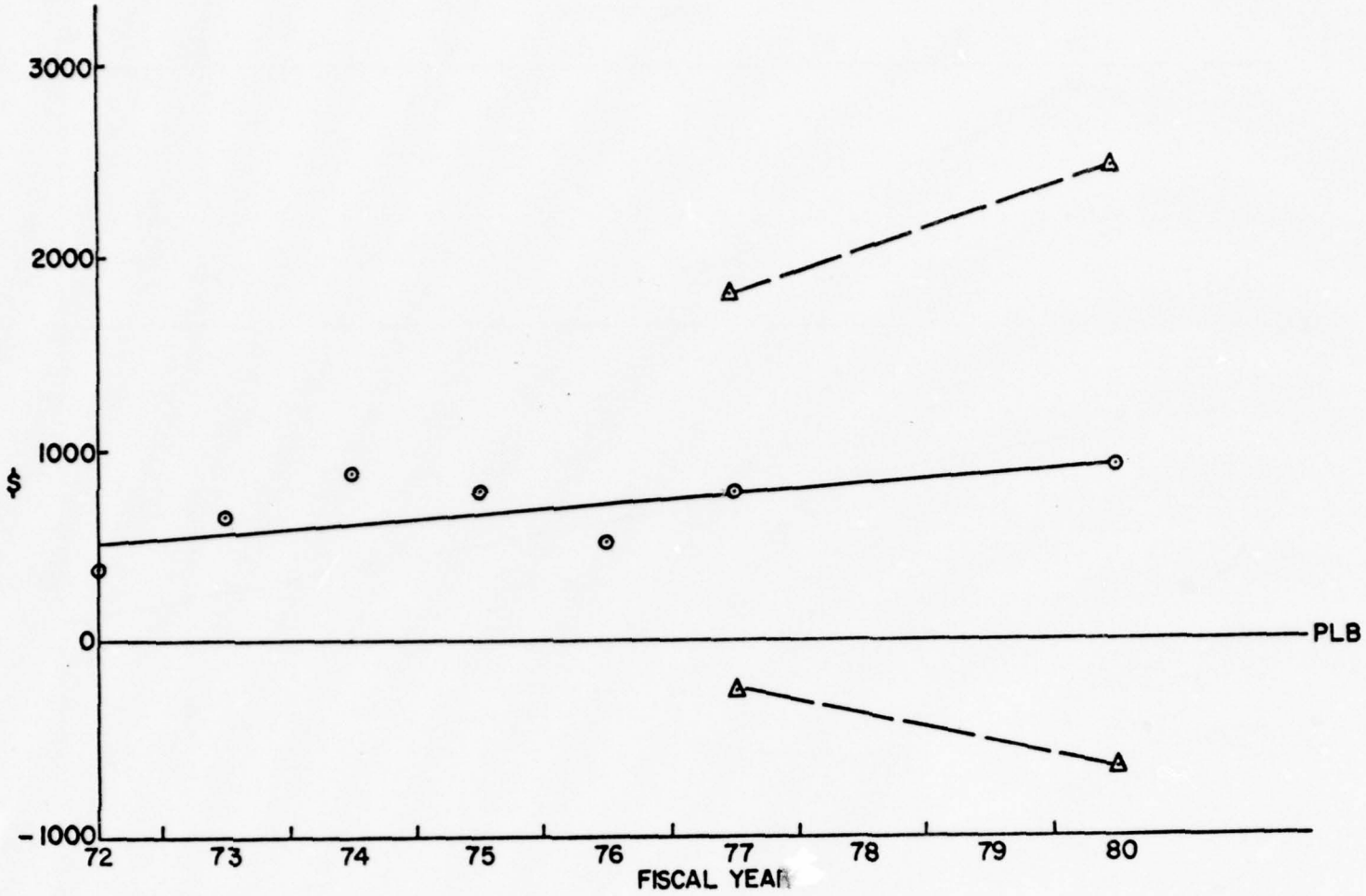


Figure 13. Average farm searching payments with projections and confidence intervals.

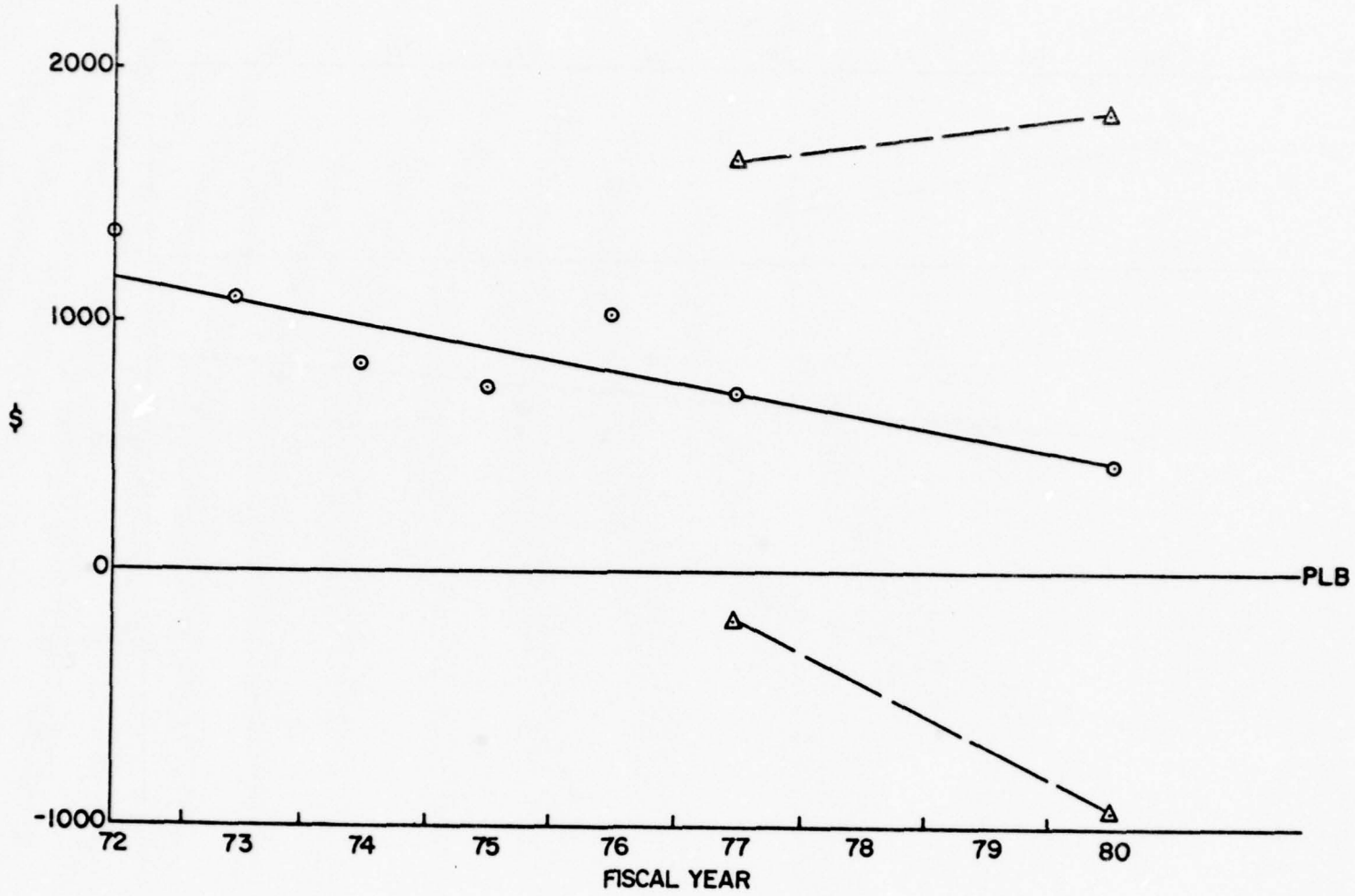


Figure 14. Average increased interest payments with projections and confidence intervals.

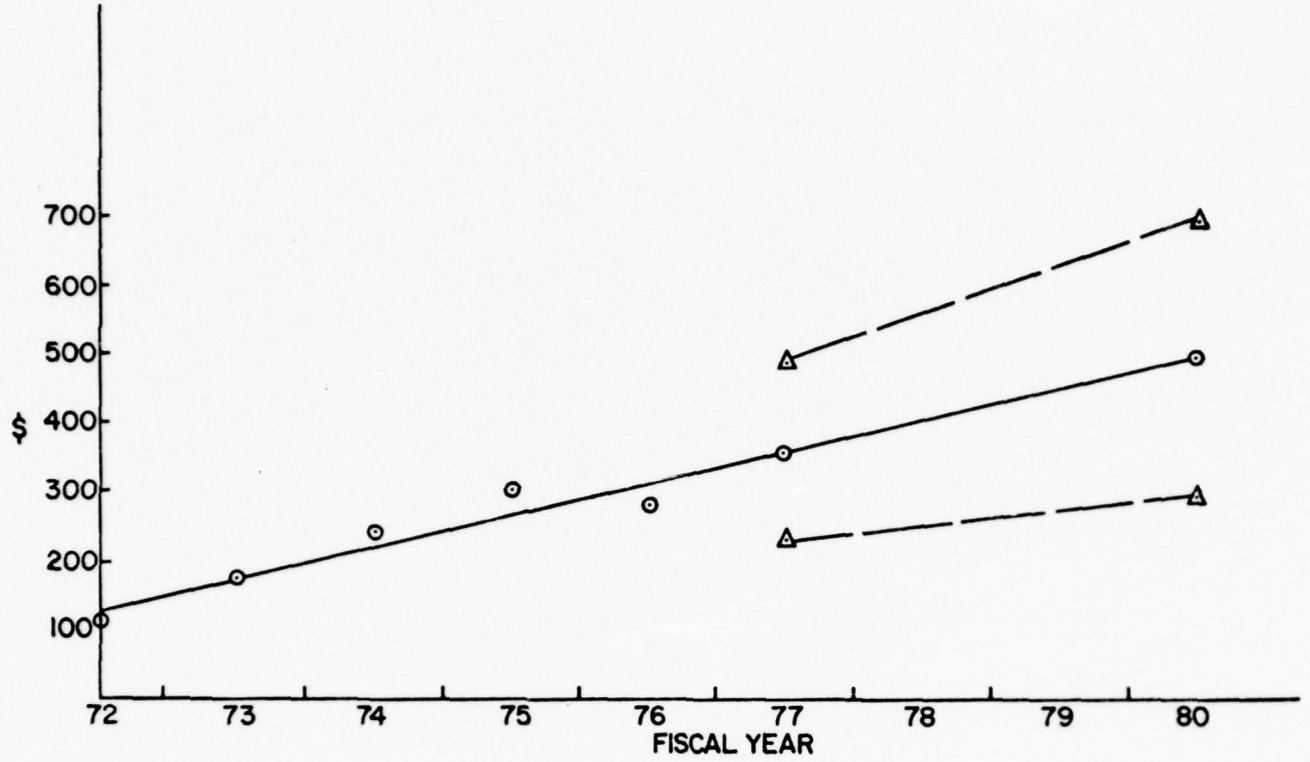


Figure 15. Average closing costs payments with projections and confidence intervals.

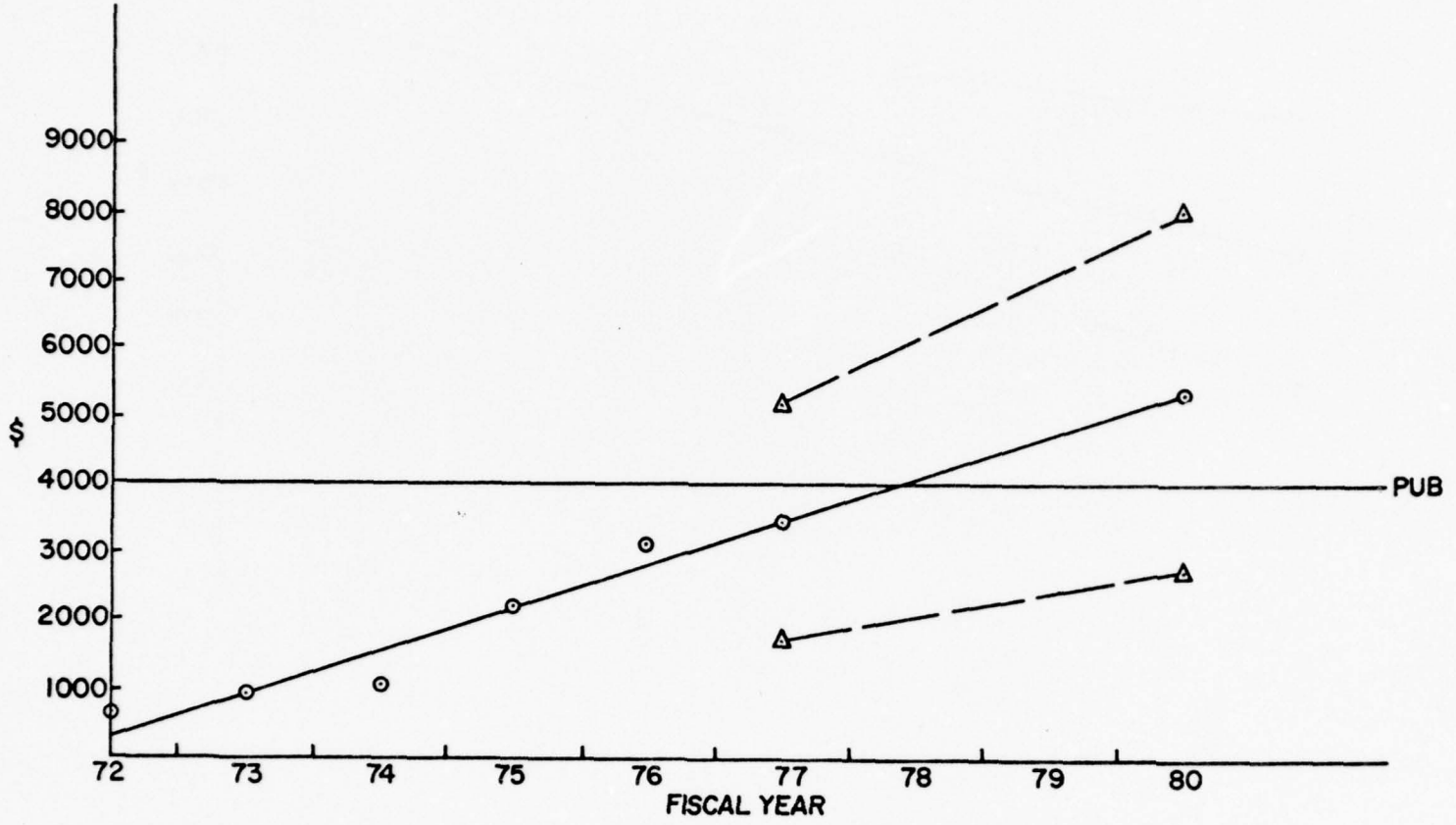


Figure 16. Average rental payments with projections and confidence intervals.

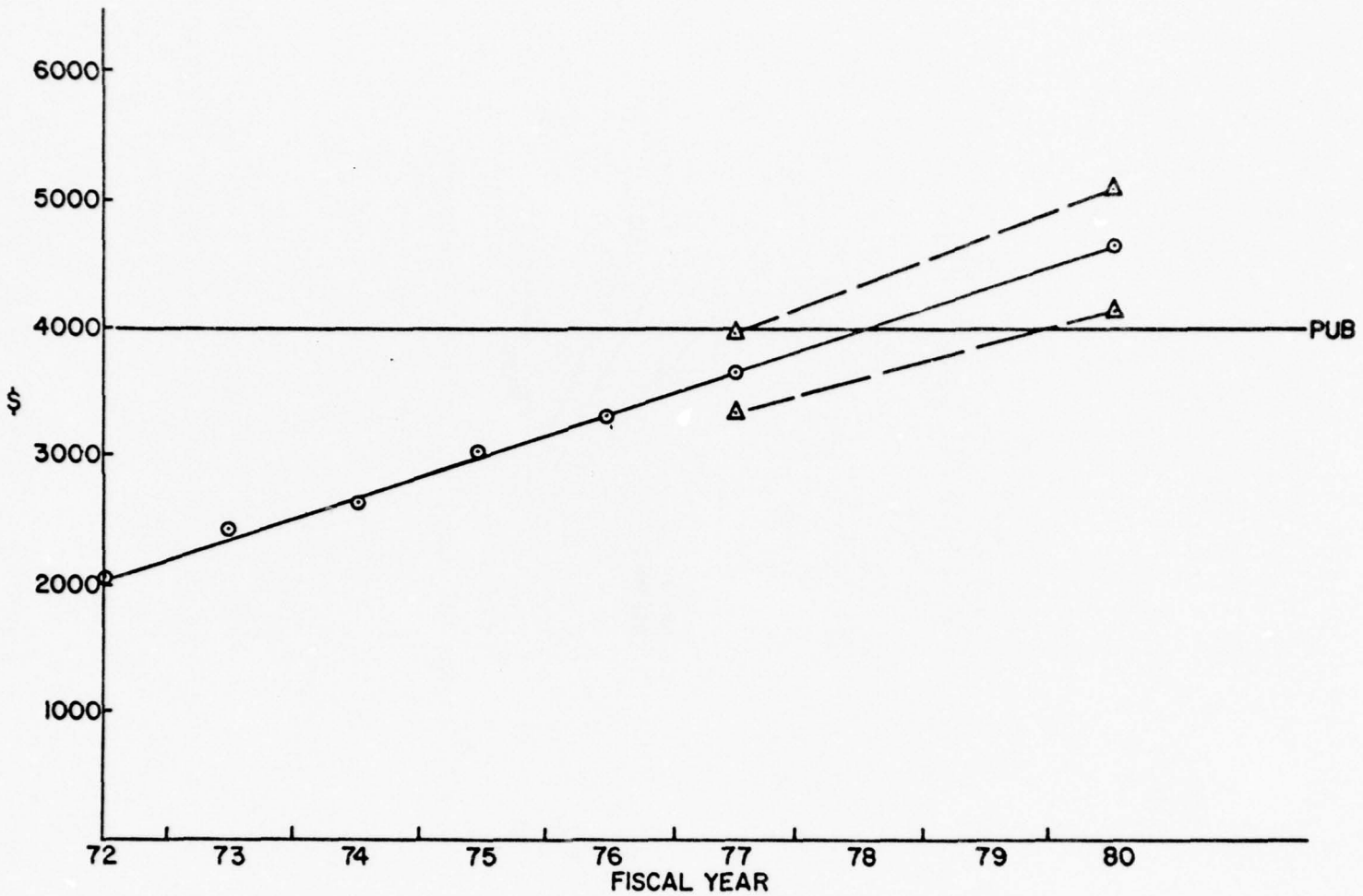


Figure 17. Average down payments with projections and confidence intervals.

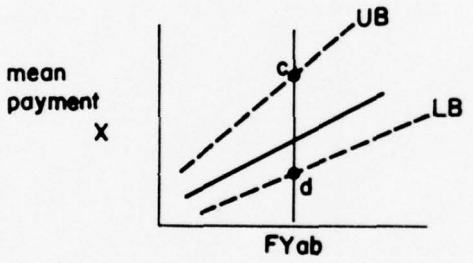


Figure 18. Example of confidence intervals.

APPENDIX A:

SUMMARY OF PAYMENTS BY STATE FY72 TO FY76

This section provides average payments per applicant by state, and projections through FY80 (Table A1). Table A2 provides the least squares equation constants for each state and an R^2 value. Tables A3 through A16 summarize individual payments made by fiscal year for FY72 to FY76. Tables A7 through A21 summarize all individual average payments, by state and fiscal year.

Data were insufficient to provide adequate projection values for several states (Tables A1 and A2). It is therefore recommended that the listed values not be used for any further cost-estimate calculations.

Table A1

Average Payment Per Applicant
State Data

	HISTORIC DATA					PROJECTIONS			
	72	73	74	75	76	77	78	79	80
Alabama	6225	2214	103000		922	33762	35507	37252	38997
* Alaska				3744	6011	8278	10545	12812	15079
Arkansas	2168	4526	1470	6308	1799	3567	3672	3776	3881
California	593	1542	670	4960	7255	8027	9701	11375	13049
Colorado	2318	5663	3033	7570	6322	7956	8947	9939	10930
*Connecticut	1670	500				-4180	-5350	-6520	-7690
Delaware			3840		NOT	POSSIBLE	TO	CALCULATE	
*Florida	950	2926				10830	12806	14782	16758
Georgia	964	1868	1566	3897	2457	3655	4156	4658	5159
Hawaii	389				NOT	POSSIBLE	TO	CALCULATE	
Idaho	2851	2757	3152	3184	3260	3414	3539	3663	3788
*Illinois	3333	3833		580		-1151	-2170	-3188	-4206
Indiana	3954	4974	3734	4021	5554	5122	5346	5571	5796
Iowa	4218	4173	4535	4989	1648	2615	2183	1751	1318
Kansas	1316	5678	3770	5645	5450	6842	7666	8489	9313
Kentucky	2601	2653	2837	5117	4468	5395	6014	6634	7254
Louisiana	4688	613	5059	6455	5129	6406	7078	7751	8423
*Maine	230	1007				4115	4892	5669	6446
Maryland					485	NOT	POSSIBLE	TO	CALCULATE
Massachusetts		425				NOT	POSSIBLE	TO	CALCULATE
Michigan		3965				NOT	POSSIBLE	TO	CALCULATE
Minnesota	4524	4006	4641	5848	12020	11258	12941	14625	16308
*Mississippi				1305	1970	2635	3300	3965	4630
Missouri	1569	2284	2367	7420	2197	5085	5724	6363	7003
Montana	2290	3860	3355	4624		5806	6456	7106	7755
Nebraska		2942	5639	6692	4703	6578	7212	7845	8479
New Hampshire	270					NOT	POSSIBLE	TO	CALCULATE
New Jersey	609	1765	1599	3123	2461	3430	3936	4442	4949
*New York	1434	2203				5279	6048	6817	7586
North Carolina	3335	3976	2180	2099	4485	3342	3384	3427	3469
North Dakota	8875	2500	8617	4929		4228	3656	3084	2512
Ohio	2748	2171	3127	3451	6797	6472	7410	8348	9285
Oklahoma	3690	3747	4646	4281	5013	5229	5547	5865	6183
Oregon	524	3285	4430	6607	7293	9486	11172	12858	14544
Pennsylvania	501	1340	2182	3548	4278	5298	6275	7251	8227
*South Carolina				375	1657	2939	4221	5503	6785
*South Dakota			75	2750		8100	10775	13450	16125
*Tennessee			1139	706		-160	-593	-1026	-1459
Texas	1466	1662	3287	2994	3490	4194	4732	5270	5808
*Virginia	5152	2039		1191		-1575	-2766	-3957	-5149
Washington	1760	2893	8426	8927	6692	10509	12099	13689	15278
West Virginia	1245	1857	2611	2986	3762	4341	4957	5574	6190
Wisconsin	4358	3899	5507	8451	4370	6690	7147	7605	8063

*Inadequate data for projections.

Table A2

Average Payment Per Applicant by State, Least Squares Equations*

	a_0	a_1	R^2
Alabama	-3416046.86	1744.97	.0035
Alaska	-4473581.00	2267.00	1.000
Arkansas	-202831.40	104.40	.0063
California	-3301866.80	1674.20	.7942
Colorado	-1952239.80	991.50	.4952
Connecticut	2308910.00	-1170.00	1.000
Delaware	NOT POSSIBLE	TO	CALCULATE
Florida	-3895722.60	1976.00	1.000
Georgia	-987810.60	501.50	.5057
Hawaii	NOT POSSIBLE	TO	CALCULATE
Idaho	-242722.20	124.50	.7849
Illinois	2011832.54	-1018.20	.7889
Indiana	-439110.40	224.70	.2073
Iowa	857470.20	-432.40	.2735
Kansas	-1621217.20	823.50	.4779
Kentucky	-1219950.00	619.80	.6971
Louisiana	-1322928.80	672.40	.2305
Maine	-1532014.00	777.00	1.000
Maryland	NOT POSSIBLE	TO	CALCULATE
Massachusetts	NOT POSSIBLE	TO	CALCULATE
Michigan	NOT POSSIBLE	TO	CALCULATE
Minnesota	-3316823.80	1683.40	.6433
Mississippi	-1312070.00	665.00	1.000
Missouri	-1258613.40	639.20	.1776
Montana	-1278650.70	649.70	.7344
Nebraska	-1246049.20	633.60	.2643
New Hampshire	NOT POSSIBLE	TO	CALCULATE
New Jersey	-997327.40	506.20	.7147
New York	-1515034.00	769.00	1.000
North Carolina	-80285.20	42.30	.0040
North Dakota	1135269.60	-572.10	.0578
Ohio	-1847558.40	937.80	.6654
Oklahoma	-623456.60	318.00	.7759
Oregon	-3323736.20	1686.00	.9635
Pennsylvania	-1924649.00	976.20	.9909
South Carolina	-2531575.00	1282.00	1.000
South Dakota	-5280375.00	2675.00	1.000
Tennessee	855881.00	-433.00	1.000
Texas	-1059432.00	538.00	.8078
Virginia	2353891.78	-1191.43	.7620
Washington	-3132525.60	1589.80	.5986
West Virginia	-1214084.00	616.30	.9919
Wisconsin	-897985.40	457.60	.1530

*Projection Value = $a_1 x + a_0$
where x = value of projection year

Table A3

AMD State Payments FY72 to FY76

AMD-STATE	FISCAL YEAR				
	72	73	74	75	76
ALABAMA					393
ALASKA				1859	3003
ARKANSAS					283
CALIFORNIA		500			2028
COLORADO	400	500	913	1888	4613
CONNECTICUT					
DELAWARE					
FLORIDA					
GEORGIA	26	113	344		807
HAWAII	240				
IDAHO	75	591	802	903	
ILLINOIS					
INDIANA			1055	498	225
IOWA	813	1083	748		
KANSAS	609	451	440	660	979
KENTUCKY	740	155	678	140	940
LOUISIANA			1029	1293	1165
MAINE					
MARYLAND					
MASSACHUSETTS					
MICHIGAN		3965			
MINNESOTA		298			
MISSISSIPPI				197	281
MISSOURI	558	414	416	361	320
MONTANA	1029	683	907	624	
NEBRASKA				721	304
NEW HAMPSHIRE					
NEW JERSEY	555	2148	922	618	956
NEW YORK		819			
N. CAROLINA	117		75	601	775
N. DAKOTA					
OHIO	875	585	691	1433	2907
OKLAHOMA	505	1047	697	1261	984
OREGON		2427	1564	953	200
PENNSYLVANIA	720	818	654	540	886
S. CAROLINA				200	75
S. DAKOTA					
TENNESSEE			516		
TEXAS	715	846	1400	50	470
VIRGINIA	228			510	
WASHINGTON	932	861	2486	1431	1214
W. VIRGINIA	747	646	961	1336	1156
WISCONSIN				389	234
GRAND TOTAL	565	1139	879	1001	1147

Table A4

AMB State Payments FY72 to FY76

AMB-STATE	FISCAL YEAR				
	72	73	74	75	76
ALABAMA			103000		931
ALASKA					11994
ARKANSAS	420				
CALIFORNIA		1967			
COLORADO	1468	25519	1510	206125	4119
CONNECTICUT					
DELAWARE					
FLORIDA					
GEORGIA					150
HAWAII	3527				
IDAHO	75	500	4467	2369	
ILLINOIS					
INDIANA				437	521
IOWA		17448		10568	1085
KANSAS					759
KENTUCKY	463	1241	4355	15281	170
LOUISIANA			1461		
MAINE		258			
MARYLAND					
MASSACHUSETTS					
MICHIGAN					
MINNESOTA			30500		
MISSISSIPPI					433
MISSOURI	1500	57	529	4569	557
MONTANA	947	7968	335		
NEBRASKA				1054	4301
NEW HAMPSHIRE					
NEW JERSEY	500			1333	2692
NEW YORK					
N. CAROLINA			343	410	
N. DAKOTA			2500	10598	
OHIO	415	1374	3963	569	6500
OKLAHOMA	450	22	42		
OREGON			204		
PENNSYLVANIA	814	913	494	1287	3788
S. CAROLINA					
S. DAKOTA					
TENNESSFE				465	
TEXAS	1000	478			790
VIRGINIA					
WASHINGTON		6478	9884	500	303
W. VIRGINIA	519	371	707	6226	24743
WISCONSIN		1291	499		
GRAND TOTAL	777	3439	4167	17446	3462

Table A5

AMF State Payments FY72 to FY76

AMF-STATE	FISCAL YEAR 72	73	74	75	76
ALABAMA	10000				
ALASKA					
ARKANSAS					
CALIFORNIA					830
COLORADO					1037
CONNECTICUT					
DELAWARE					
FLORIDA					
GEORGIA	117	384	1080		115
HAWAII					
IDAHO				569	
ILLINOIS	4000			580	
INDIANA			176	243	1995
IOWA		447	470		1379
KANSAS	833	195	1046	2165	4637
KENTUCKY	139			288	175
LOUISIANA			180		336
MAINE					
MARYLAND					
MASSACHUSETTS					
MICHIGAN					
MINNESOTA				437	
MISSISSIPPI				410	1066
MISSOURI	79	182	434	1979	506
MONTANA		905	500		
NEBRASKA					4033
NEW HAMPSHIRE					
NEW JERSEY		1000			794
NEW YORK					
N. CAROLINA		40		833	574
N. DAKOTA				628	
OHIO	359	161	397	835	
OKLAHOMA	236	97	205	205	
OREGON		404	1749	1363	
PENNSYLVANIA		4316	2631	2500	
S. CAROLINA					
S. DAKOTA					
TENNESSEE			400		
TEXAS	329	532	720	371	315
VIRGINIA				293	
WASHINGTON			5094		
W. VIRGINIA	170	225	1491	407	
WISCONSIN		397	574		
GRAND TOTAL	815	592	1089	1094	1271

Table A6

FMD State Payments FY72 to FY76

FMD-STATE	FISCAL YEAR				
	72	73	74	75	76
ALABAMA	390	363			
ALASKA				407	475
ARKANSAS	395	405	440	500	222
CALIFORNIA	299	280		440	440
COLORADO	335	453	460	418	413
CONNECTICUT	430	500			
DELAWARE			285		
FLORIDA	380	410			
GEORGIA	390	377	336	369	380
HAWAII	200				
IDAHO	414	437	440	370	380
ILLINOIS	500	500			
INDIANA	465	401	406	413	404
IOWA	441	465	500	485	
KANSAS	457	496	491	498	496
KENTUCKY	432	453	443	434	434
LOUISIANA	500	373	401	356	373
MAINE	230	367			
MARYLAND					485
MASSACHUSETTS		425			
MICHIGAN					
MINNESOTA	475	461	450	487	500
MISSISSIPPI				393	409
MISSOURI	445	459	464	457	446
MONTANA	413	424	388		
NEBRASKA		426	414	407	440
NEW HAMPSHIRE	270				
NEW JERSEY	442	434	430	455	450
NEW YORK	338	320			
N. CAROLINA	395	378	387	387	430
N. DAKOTA	475	500	463	400	
OHIO	461	454	467	476	483
OKLAHOMA	453	469	469	466	472
OREGON	428	444	447	484	435
PENNSYLVANIA	382	412	419	431	441
S. CAROLINA				175	500
S. DAKOTA				500	
TENNESSEE					
TEXAS	379	399	391	380	382
VIRGINIA		432		380	
WASHINGTON	435	422	424	393	350
W. VIRGINIA	436	412	431	447	432
WISCONSIN	468	477	462	449	423
GRAND TOTAL	406	417	436	433	428

Table A7

FMB State Payments FY72 to FY76

FMB-STATE	FISCAL YEAR				
	72	73	74	75	76
ALABAMA					2500
ALASKA					
ARKANSAS				2500	
CALIFORNIA		3611			
COLORADO	4492			5250	5648
CONNECTICUT					
DELAWARE					
FLO IDA					
GEORGIA		2500			2500
HAWAII			2500		
IDAHO		10000	1000	7549	
ILLINOIS					
INDIANA		3806	4621	2500	
IOWA				2500	
KANSAS				2558	6139
KENTUCKY	2500	2500	6250	6250	2500
LOUISIANA			10000	6250	
MAINE		2500			
MARYLAND					
MASSACHUSETTS					
MICHIGAN					
MINNESOTA			2500		
MISSISSIPPI				2500	1463
MISSOURI	2983	4375	4112	2500	1834
MONTANA	3687	5596	3750		
NEBRASKA		9737	490	3789	3082
NEW HAMPSHIRE					
NEW JERSEY			2500	6250	10000
NEW YORK					
N. CAROLINA			2500	2500	
N. DAKOTA					
OHIO	3121	4833	6683	5425	10000
OKLAHOMA	2500	3526	2500	3214	3066
OREGON			2500		2500
PENNSYLVANIA	2500	2770	3860	3466	5175
S. CAROLINA					
S. DAKOTA				2500	
TENNESSFE					
TEXAS	2500	2500	2500	2500	3694
VIRGINIA					
WASHINGTON	2500	2500	2500	3122	4408
W. VIRGINIA	3499	3487	2793	3235	3585
WISCONSIN	2500	2500	3721		3741
GRAND TOTAL	2967	3771	3742	3418	4048

Table A8

FMF State Payments FY72 to FY76

FMF-STATE	FISCAL YEAR				
	72	73	74	75	76
ALABAMA		2500			
ALASKA					
ARKANSAS	2500		2500	2500	2500
CALIFORNIA		82		10000	2500
COLORADO		2500	3263	6250	10000
CONNECTICUT					
DELAWARE					
FLORIDA					
GEORGIA		8230			
HAWAII					
IDAHO	2500	2500	2500		
ILLINOIS	2750				
INDIANA	2500	3360	3603	3692	3946
IOWA	3835	3019	3318	6250	2500
KANSAS	2500	5655	2797	4439	4465
KENTUCKY	2500	2500	2500	2691	2814
LOUISIANA					
MAINE					
MARYLAND					
MASSACHUSETTS					
MICHIGAN					
MINNESOTA	3382	3147	2988	4990	6853
MISSISSIPPI				2500	2500
MISSOURI	2650	2470	2872	2940	3903
MONTANA	2500		2500		
NEBRASKA		7406	6886	4823	5644
NEW HAMPSHIRE					
NEW JERSEY	2509	2500	6754	6250	
NEW YORK					
N. CAROLINA	2749	4181	5014	4562	2980
N. DAKOTA			3496	5049	
OHIO	4138	3010	3651	3158	3212
OKLAHOMA	3557	2779	3291	4081	3511
OREGON		2500	2500	2500	
PENNSYLVANIA	2500	3286	2935	3171	5698
S. CAROLINA					2500
S. DAKOTA					
TENNESSEE			2500		
TEXAS	2798	2527	2831	2917	3606
VIRGINIA					
WASHINGTON	2500	4891	5000		
W. VIRGINIA	2500	2500	2500	2500	2782
WISCONSIN	4221	2812	2500	5123	2500
GRAND TOTAL	3164	3216	3262	3505	3639

Table A9

SB State Payments FY72 to FY76

SB-STATE	FISCAL YEAR				
	72	73	74	75	76
ALABAMA					
ALASKA					245
ARKANSAS	30				
CALIFORNIA		118			
COLORADO	117		500	500	
CONNECTICUT					
DELAWARE					
FLORIDA					
GEORGIA					
HAWAII					
IDAHO			350		
ILLINOIS					
INDIANA				384	500
IOWA					
KANSAS					500
KENTUCKY	20			7715	
LOUISIANA					
MAINE					
MARYLAND					
MASSACHUSETTS					
MICHIGAN					
MINNESOTA					
MISSISSIPPI					174
MISSOURI			145	500	
MONTANA		2666	277		
NEBRASKA				500	559
NEW HAMPSHIRE					
NEW JERSEY					
NEW YORK					
N. CAROLINA					
N. DAKOTA					
OHIO			4298	500	500
OKLAHOMA					
OREGON			211		
PENNSYLVANIA	187	250	903		199
S. CAROLINA					
S. DAKOTA					
TENNESSEE				241	
TEXAS		140			255
VIRGINIA					
WASHINGTON		456	473		
W. VIRGINIA					
WISCONSIN		35			
GRAND TOTAL	88	374	1347	1234	333

Table A10

SF State Payments FY72 to FY76

SF-STATE	FISCAL YEAR 72	73	74	75	76
ALABAMA					
ALASKA					
ARKANSAS					
CALIFORNIA					500
COLORADO					669
CONNECTICUT					
DELAWARE					
FLORIDA					
GEORGIA					
HAWAII					
IDAHO					
ILLINOIS					
INDIANA			54	500	
IOWA			101		500
KANSAS			558	1119	1881
KENTUCKY	139			311	
LOUISIANA					
MAINE					
MARYLAND					
MASSACHUSETTS					
MICHIGAN					
MINNESOTA					
MISSISSIPPI					
MISSOURI			283	500	256
MONTANA					
NEBRASKA					
NEW HAMPSHIRE					
NEW JERSEY		500			500
NEW YORK					
N. CAROLINA					
N. DAKOTA	475			628	
OHIO	500	40	543	30	
OKLAHOMA	169				
OREGON		492	500	500	
PENNSYLVANIA			2757	2500	
S. CAROLINA					
S. DAKOTA					
TENNESSEE					
TEXAS	408	1095		500	418
VIRGINIA					
WASHINGTON			500		
W. VIRGINIA					
WISCONSIN		6848			
GRAND TOTAL	371	644	812	785	525

Table A11

RH State Payments FY72 to FY76

RH-STATE	FISCAL YEAR				
	72	73	74	75	76
ALABAMA		1084			
ALASKA				11263	13938
ARKANSAS	2300	11883		8366	4938
CALIFORNIA		6424	758		10751
COLORADO	4160	8565	6169	5379	13146
CONNECTICUT					
DELAWARE					
FLORIDA	2000	1500			
GEORGIA	4675	6757		7825	
HAWAII					
IDAHO	7000	10500	3400		
ILLINOIS		4000			
INDIANA	6310	5375	4073	4095	5516
IOWA	2429	185	3454		
KANSAS	1982	4097	4473	6284	6038
KENTUCKY	4072	2416	4219	5724	5460
LOUISIANA	4025		9324	9556	8568
MAINE					
MARYLAND					
MASSACHUSETTS					
MICHIGAN					
MINNESOTA	4346	5550	4043	13125	15000
MISSISSIPPI				2734	4208
MISSOURI	2006	2383	2942	902	3893
MONTANA	4055	4481		4000	
NEBRASKA		2110	6512	11942	13901
NEW HAMPSHIRE					
NEW JERSEY		4651	4338	6392	5180
NEW YORK					
N. CAROLINA	3438	7821	5273	3683	5243
N. DAKOTA	8400		6550		
OHIO	2979	2423	2802	2225	5609
OKLAHOMA	3735	5429	4665	4153	5782
OREGON		8207	10200	13500	12410
PENNSYLVANIA	1101	2447	4772	6378	7725
S. CAROLINA					
S. DAKOTA					
TENNESSEE					
TEXAS	1873	2307	2912	3392	2794
VIRGINIA	9710	4367			
WASHINGTON	4342	170	11659	12829	13490
W. VIRGINIA	1319	3302	3496	3682	3863
WISCONSIN	5235		9056	12508	10340
GRAND TOTAL	2944	3849	4966	6903	8285

Table A12

IIC State Payments FY72 to FY76

IIC-STATE	FISCAL YEAR 72	73	74	75	76
ALABAMA					
ALASKA					
ARKANSAS					
CALIFORNIA		6			2360
COLORADO			2587	1276	
CONNECTICUT					
DELAWARE					
FLORIDA					
GEORGIA		434		226	
HAWAII					
IDAHO					
ILLINOIS					
INDIANA		76	374	237	591
IOWA					
KANSAS	46	349	460	450	781
KENTUCKY	1496		11	263	
LOUISIANA			434		
MAINE					
MARYLAND					
MASSACHUSETTS					
MICHIGAN					
MINNESOTA					
MISSISSIPPI				42	
MISSOURI	1554	1843	239	902	1761
MONTANA	800				
NEBRASKA		140		69	
NEW HAMPSHIRE					
NEW JERSEY	2037	644	571	941	1990
NEW YORK					
N. CAROLINA			295	1873	1622
N. DAKOTA					
OHIO	2448	1171	783	1150	1632
OKLAHOMA	622	1029	622		1089
OREGON		3450		744	
PENNSYLVANIA	351	825	603	624	522
S. CAROLINA					49
S. DAKOTA					
TENNESSEE					
TEXAS	2086			271	
VIRGINIA					
WASHINGTON		1412	63	287	367
W. VIRGINIA	87	224	53		17
WISCONSIN					174
GRAND TOTAL	1295	1094	824	730	1019

Table A13

CC State Payments FY72 to FY76

CC-STATE	FISCAL YEAR				
	72	73	74	75	76
ALABAMA	62	25			
ALASKA					
ARKANSAS	76				
CALIFORNIA	251	267	582		155
COLORADO	34	277	252	262	722
CONNECTICUT					
DELAWARE					
FLORIDA	471	215			
GEORGIA	110	253		545	
HAWAII					
IDAHO	29	89			
ILLINOIS		333			
INDIANA	88	14	28	38	66
IOWA	49	128	153		
KANSAS	88	58	57	105	136
KENTUCKY	91	72	70	116	99
LOUISIANA	326		335	383	328
MAINE					
MARYLAND					
MASSACHUSETTS					
MICHIGAN					
MINNESOTA	78	13	1105		
MISSISSIPPI				73	191
MISSOURI	48	76	104	63	79
MONTANA	3				
NEBRASKA		150	480	63	116
NEW HAMPSHIRE					
NEW JERSEY	378	532	507	629	639
NEW YORK	389				
N. CAROLINA	213	347	290	733	659
N. DAKOTA			134		
OHIO	188	178	219	362	435
OKLAHOMA	56	54	84	105	140
OREGON		80	79	61	49
PENNSYLVANIA	267	358	462	612	452
S. CAROLINA					674
S. DAKOTA			75		
TENNESSEE					
TEXAS	144	121	114	107	161
VIRGINIA	139	211		108	
WASHINGTON	52	220	93	364	160
W. VIRGINIA	140	133	173	291	286
WISCONSIN	120	47	49	51	109
GRAND TOTAL	118	174	238	300	281

Table A14

SRP State Payments FY72 to FY76

SRP-STATE	FISCAL YEAR 72	73	74	75	76
ALABAMA					
ALASKA				4000	3200
ARKANSAS		480			
CALIFORNIA	997	615			4000
COLORADO		330	1224	1850	3048
CONNECTICUT					
DELAWARE					
FLORIDA					
GEORGIA		565	1453	2261	2880
HAWAII					
IDAHO		352	984	2086	2880
ILLINOIS		2000			
INDIANA		480	885	1524	2880
IOWA		1140	1860	2640	
KANSAS			480	1841	
KENTUCKY	240	445	684	2086	3249
LOUISIANA		480	1149	2357	2446
MAINE		724			
MARYLAND					
MASSACHUSETTS					
MICHIGAN					
MINNESOTA		780	1200		
MISSISSIPPI				2097	2352
MISSOURI	360	636	641	2020	1677
MONTANA	420	736	2400		
NEBRASKA		120	2480	1317	2544
NEW HAMPSHIRE					
NEW JERSEY		913	1440	3637	3115
NEW YORK	1440				
N. CAROLINA		3500	1014	2952	1597
N. DAKOTA					
OHIO		842	1040	2036	2160
OKLAHOMA	1320	971	1469	2011	2413
OREGON	480	2280	660	1620	4000
PENNSYLVANIA		1102	928	2533	3437
S. CAROLINA					
S. DAKOTA					
TENNESSEE					
TEXAS	460	619	656	1965	3168
VIRGINIA				2176	
WASHINGTON		620	1360	3566	3760
W. VIRGINIA	240	549	1030	2291	2811
WISCONSIN		1040	1200	2915	3213
GRAND TOTAL	665	980	1111	2265	3156

Table A15

DP State Payments FY72 to FY76

DP-STATE	FISCAL YEAR				
	72	73	74	75	76
ALABAMA	2000	3044			
ALASKA				4000	
ARKANSAS					
CALIFORNIA		3445		4000	
COLORADO			889	3347	4000
CONNECTICUT	1240				
DELAWARE			3555		
FLORIDA		3317			
GEORGIA		500	841		
HAWAII					
IDAHO	1037	720		4000	
ILLINOIS					
INDIANA		2805	2379	1946	1512
IOWA	2321	2479	2768	2630	
KANSAS	478	2517	2456	2939	3475
KENTUCKY	2324	1835	2959	2490	2933
LOUISIANA			2034	2212	2020
MAINE					
MARYLAND					
MASSACHUSETTS					
MICHIGAN					
MINNESOTA	1620	2068	1148	4000	
MISSISSIPPI				1701	2472
MISSOURI	2099	2155	2162	2775	3148
MONTANA	3295	2377	2776		
NEBRASKA		1711	2121	3552	3946
NEW HAMPSHIRE					
NEW JERSEY		3759	3604	3882	3794
NEW YORK	2388	1869			
N. CAROLINA	1445		889	2077	3188
N. DAKOTA		2000		2000	
OHIO	2090	2801	3011	2522	3382
OKLAHOMA	2588	3134	2997	3146	3083
OREGON		2625	3957		4000
PENNSYLVANIA	2243	2341	2891	3496	3550
S. CAROLINA					
S. DAKOTA					
TENNESSEE					
TEXAS	2154	2339	2332	2613	2632
VIRGINIA					
WASHINGTON	1300		3900	3883	3447
W. VIRGINIA	1997	2005	2515	2426	2644
WISCONSIN		2311	2982	2958	1172
GRAND TOTAL	2027	2464	2643	3057	3323

Table A16

GT State Payments FY72 to FY76

GT-STATE	FISCAL YEAR				
	72	73	74	75	76
ALABAMA	6226	2214	103000		922
ALASKA				3744	6011
ARKANSAS	2168	4526	1470	6308	1799
CALIFORNIA	593	1542	670	4960	7255
COLORADO	2318	5663	3033	7570	6322
CONNECTICUT	1670	500			
DELAWARE			3840		
FLORIDA	950	2926			
GEORGIA	964	1868	1566	3897	2457
HAWAII	389				
IDAHO	2851	2757	3152	3184	3260
ILLINOIS	3333	3833		580	
INDIANA	3954	4974	3734	4021	5554
IOWA	4218	4173	4535	4989	1648
KANSAS	1316	5678	3770	5645	5450
KENTUCKY	2601	2653	2837	5117	4468
LOUISIANA	4688	613	5059	6455	5129
MAINE	230	1007			
MARYLAND					485
MASSACHUSETTS		425			
MICHIGAN		3965			
MINNESOTA	4524	4006	4641	5848	12020
MISSISSIPPI				1305	1970
MISSOURI	1549	2284	2367	7420	2197
MONTANA	2290	3860	3355	4624	
NEBRASKA		2942	5639	6692	4703
NEW HAMPSHIRE	270				
NEW JERSEY	609	1765	1599	3123	2461
NEW YORK	1434	2203			
N. CAROLINA	3335	3976	2180	2099	4485
N. DAKOTA	8875	2500	8617	4929	
OHIO	2748	2171	3127	3451	6797
OKLAHOMA	3690	3747	4646	4281	5013
OREGON	524	3285	4430	6607	7293
PENNSYLVANIA	501	1340	2182	3548	4278
S. CAROLINA				375	1657
S. DAKOTA			75	2750	
TENNESSEE			1139	706	
TEXAS	1466	1662	3287	2994	3490
VIRGINIA	5152	2039		1191	
WASHINGTON	1760	2893	8424	8927	6592
W. VIRGINIA	1245	1857	2611	2986	3762
WISCONSIN	4358	3899	5507	9451	4370
GRAND TOTAL	1486	2304	3227	4276	4696

Table A17

FY72 Relocation Payments, by State -- Summary of Average Payments

FY72 RELOCATION PAYMENTS, BY STATE - SUMMARY OF AVERAGE PAYMENTS

STATE	ACTUAL MOVING DWELL	BUS	FARM	FIXED MOVING DWELL	BUS	FARM	SEARCHING BUS	FARM	REPLCE HOUSNG	INCR INTRST	CLOSING COST	RENTAL PAYMNT	DOWN	TOTAL
ALABAMA			10000	490							62		2000	6226
ALASKA														
ARKANSAS		420		345		2500	30		2300		76			2148
CALIFORNIA				249							251	997		553
COLORADO	400	1468		335	4492		117		4160		74			2314
CONNECTICUT				430									1240	1470
DELAWARE														
FLORIDA				380					2000		471			950
GEORGIA	26		117	390					4675		110			944
HAWAII	240	3527		200										369
IDAHO	75	75		414		2500			7000		29		1037	2451
ILLINOIS			4000	500		2750								3333
INDIANA				465		2500			6310		88			3954
IOWA	813			441		3835			2429		49		2321	4218
KANSAS	409		833	457		2500			1982	46	88		478	1116
KENTUCKY	740	463	139	432	2500	2500	20	139	4072	1496	91	240	2324	2401
LOUISIANA				500					4025		326			4488
MAINE				230										230
MARYLAND														
MASSACHUSETTS														
MICHIGAN														
MINNESOTA				475		3382			4346		78		1620	4524
MISSISSIPPI														
MISSOURI	558	1500	79	445	2983	2650			2006	1554	48	360	2099	1549
MONTANA	1029	947		413	3687	2500			4055	800	3	420	3295	2290
NEBRASKA														
NEW HAMPSHIRE				270										270
NEW JERSEY	555	500		442		2509				2037	378			609
NEW YORK				338							349	1440	2388	1434
N. CAROLINA	117			345		2749			3438		213		1445	3335
N. DAKOTA				475				475	8400					8875
OHIO	875	415	359	461	3121	4138		500	2979	2448	188		2090	2748
OKLAHOMA	505	450	236	453	2500	3557		169	3735	622	56	1320	2688	3490
OREGON				428								480		524
PENNSYLVANIA	720	814		382	2500	2500	187		1101	351	267		2263	501
S. CAROLINA														
S. DAKOTA														
TENNESSEE														
TEXAS	715	1000	329	379	2500	2798		408	1873	2086	144	460	2154	1464
VIRGINIA	228								9710		139			5152
WASHINGTON	432			435	2500	2500			4342		52		1300	1748
W. VIRGINIA	747	519	170	436	3699	2500			1319	87	140	240	1997	1245
WISCONSIN				468	2500	4221			5235		120			4358
GRAND TOTAL	565	777	815	401	3013	3144	88	271						

Table A18

FY73 Relocation Payments, by State -- Summary of Average Payments

FY73 RELOCATION PAYMENTS, BY STATE - SUMMARY OF AVERAGE PAYMENTS

STATE	ACTUAL MOVING DWELL	BUS	FARM	FIXED MOVING DWELL	BUS	FARM	SEARCHING BUS	FARM	REPLCE HOUSNG	INCR INTRST	CLOSING COST	RENTAL PAYMNT	DOWN	TOTAL
ALABAMA				363		2500			1084		25		3044	2214
ALASKA														
ARKANSAS				405					11083			480		4526
CALIFORNIA	500	1967		280	3611	82	118		6424	6	267	615	3445	1542
COLORADO	500	25619		453		2500			8565		277	330		5443
CONNECTICUT				500										500
DELAWARE														
FLORIDA				410					1500		215		3317	2926
GEORGIA	113		384	377	2500				6757	434	253	565	500	1888
HAWAII														
IDAHO	591	500		437	10000	2500			10500		89	352	720	2757
ILLINOIS				500					4000		333	2000		3833
INDIANA				401	3806	3360			5375	76	14	480	2805	4974
IOWA	1083	17448	447	465		3019			185		128	1140	2479	4173
KANSAS	451		195	496		5655			4097	349	58		2517	5478
KENTUCKY	155	1241		453	2500	2500			2416		72	445	1835	2653
LOUISIANA				373								480		413
MAINE		258		367	2500							724		1007
MARYLAND														
MASSACHUSETTS				425										425
MICHIGAN	3965													3965
MINNESOTA	298			461		3147			5550		13	780	2068	4006
MISSISSIPPI														
MISSOURI	414	57	182	459	4375	2470			2383	1843	76	636	2155	2284
MONTANA	683	7968	905	424	5596		2668		4481			736	2377	3860
NEBRASKA				426	9737	7406			2110	140	150	120	1711	2942
NEW HAMPSHIRE														
NEW JERSEY	2148		1000	434		2500		500	4651	644	532	913	3759	1745
NEW YORK	819			320									1869	2203
N. CAROLINA			40	378		4181			7821		347	3500		3978
N. DAKOTA				500									2000	2500
OHIO	585	1374	161	454	4833	3010		40	2423	1171	178	842	2801	2171
OKLAHOMA	1047	22	97	469	3526	2779			5429	1029	54	971	3134	3747
OREGON	2427		404	444		2500		492	8207	3450	80	2280	2625	3285
PENNSYLVANIA	818	913	4316	412	2770	3286	250		2447	825	358	1102	2341	1340
S. CAROLINA														
S. DAKOTA														
TENNESSEE														
TEXAS	846	478	532	399	2500	2527	140	1095	2307		121	619	2339	1442
VIRGINIA				432					4367		211			2039
WASHINGTON	861	6478		422	2500	4891	456		170	1412	220	620		2293
W. VIRGINIA	546	371	225	412	3687	2500			3302	224	133	569	2006	1857
WISCONSIN		1281	397	477	2500	2812	35	6848			47	1040	2311	3899
GRAND TOTAL	1139	3439	592	417	3771	3216	374	644	3648	1094	174	980	2464	2304

Table A19

FY74 Relocation Payments, by State -- Summary of Average Payments

FY74 RELOCATION PAYMENTS, BY STATE - SUMMARY OF AVERAGE PAYMENTS

STATE	ACTUAL MOVING DWELL	ACTUAL MOVING BUS	ACTUAL MOVING FARM	FIXED MOVING DWELL	FIXED MOVING BUS	FIXED MOVING FARM	SEARCHING BUS	SEARCHING FARM	REPLCE HOUSNG	INCR INTRST	CLOSING COST	RENTAL PAYMNT	DOWN	TOTAL
ALABAMA		103000												103000
ALASKA														
ARKANSAS				440		2500								1470
CALIFORNIA									758		582			670
COLORADO	813	1510		460		3263	500		6169	2587	252	1224	889	3033
CONNECTICUT														
DELAWARE				285									1555	3840
FLORIDA														
GEORGIA	344		1080	336	2500	8230						1453	841	1566
HAWAII														
IDAHO	802	4467		440	1000	2500	350		3400			984		3152
ILLINOIS														
INDIANA	1055		176	406	4621	3603		54	4073	374	28	885	2379	3734
IOWA	748		470	500		3318		101	3454		153	1860	2768	4535
KANSAS	440		1046	441		2797		558	4473	460	57	480	2456	3770
KENTUCKY	678	4355		443	6250	2500			4219	11	70	684	2959	2837
LOUISIANA	1029	1461	180	401	10000				9324	434	335	1149	2034	5059
MAINE														
MARYLAND														
MASSACHUSETTS														
MICHIGAN														
MINNESOTA		30500		450	2500	2988			4043		1105	1200	1148	4441
MISSISSIPPI														
MISSOURI	416	529	434	444	4112	2872	146	283	2942	239	104	641	2168	2747
MONTANA	907	335	500	388	3750	2500	277					2400	2776	3355
NEBRASKA				414	490	6886			6512		480	2480	2121	5439
NEW HAMPSHIRE														
NEW JERSEY	922			430	2500	6754			4338	571	507	1440	3604	1599
NEW YORK														
N. CAROLINA	75	343		387	2500	5014			5273	295	290	1014	889	2180
N. DAKOTA		2500		463		3496			6550		134			8417
OHIO	691	3963	397	467	6688	3651	4298	543	2802	783	219	1040	3011	3127
OKLAHOMA	697	42	205	469	2500	3241			4665	622	84	1469	2997	4444
OREGON	1564	204	1749	447	2500	2500	211	500	10200		78	660	3957	4438
PENNSYLVANIA	654	494	2631	419	3860	2835	903	2757	4772	603	462	928	2891	2182
S. CAROLINA														
S. DAKOTA											75			75
TENNESSEE	516		400			2500								1139
TEXAS	1400		720	391	2500	2831			2912		114	656	2332	3287
VIRGINIA														
WASHINGTON	2486	9886	5096	424	2500	5000	473	500	11659	68	93	1360	3900	8426
W. VIRGINIA	961	707	1491	431	2743	2500			3896	53	173	1030	2515	2411
WISCONSIN		499	574	462	3721	2500			9056		49	1200	2982	5587
GRAND TOTAL	879	4167	1089	436	3742	3262	1347	812	4966	824	238	1111	2643	3227

Table A20

FY75 Relocation Payments, by State -- Summary of Average Payments

FY75 RELOCATION PAYMENTS, BY STATE - SUMMARY OF AVERAGE PAYMENTS

STATE	ACTUAL MOVING DWELL	BUS	FARM	FIXED MOVING DWELL	BUS	FARM	SEARCHING BUS	FARM	REPLCE HOUSNG	INCR INTRST	CLOSING COST	RENTAL PAYMNT	DOWN	TOTAL
ALABAMA														
ALASKA	1859			407					11263			4000	4000	3744
ARKANSAS				500	2500	2500			8366					6308
CALIFORNIA				440		10000							4000	4960
COLORADO	1888	206125		418	5250	6250	500		5379	1276	242	1850	3347	7570
CONNECTICUT														
DELAWARE														
FLORIDA														
GEORGIA				349					7825	226	545	2761		3897
HAWAII														
IDAHO	903	2369	569	370	7549							2086	4000	3184
ILLINOIS			580											580
INDIANA	498	437	243	413	2500	3692	384	500	4095	237	38	1524	1846	4021
IOWA		10568		485	2500	6250						2640	2630	4949
KANSAS	460		2165	498	2558	4439		1119	6284	450	105	1841	2939	5445
KENTUCKY	140	15281	288	434	6250	2691	7715	311	5724	263	116	2086	2490	5117
LOUISIANA	1293			356	6250				9556		383	2357	2212	6455
MAINE														
MARYLAND														
MASSACHUSETTS														
MICHIGAN														
MINNESOTA			437	487		4990			13125				4000	5848
MISSISSIPPI	197		410	393	2500	2500			2734	42	73	2097	1701	1305
MISSOURI	761	4569	1979	457	2500	2940	500	500	902	902	63	2020	2775	7420
MONTANA	424								4000					4424
NEBRASKA	721	1054		407	3789	4823	500		11942	69	63	1317	3552	6602
NEW HAMPSHIRE														
NEW JERSEY	418	1333		455	6250	4250			6392	941	629	3637	3882	3123
NEW YORK														
N. CAROLINA	401	410	833	387	2500	4562			3683	1873	333	2952	2077	2099
N. DAKOTA		10598	628	400		5049		628					2000	6929
OHIO	1433	569	835	476	5625	3158	500	30	2225	1150	362	2036	2522	3451
OKLAHOMA	1261		205	466	3214	4081			4153		105	2011	3146	4281
OREGON	453		1363	484		2500		500	13500	744	61	1620		6607
PENNSYLVANIA	540	1287	2500	431	3466	3171		2500	6378	6244	612	2533	3496	3548
S. CAROLINA	200			175										375
S. DAKOTA				500	2500									2750
TENNESSEE		465					241							706
TEXAS	56		371	380	2500	2917		500	3392	271	107	1965	2613	2994
VIRGINIA	510		293	380							108	2176		1191
WASHINGTON	1431	500		393	3322				12829	287	364	3566	3883	8927
W. VIRGINIA	1336	6226	407	447	3235	2500			3682		291	2291	2426	2986
WISCONSIN	380			449		5123			12508		51	2915	2958	8451
GRAND TOTAL	1901	17446	1094	433	3618	3505	1234	785	6903	730	300	2265	3057	4276

Table A21

FY76 Relocation Payments, by State -- Summary of Average Payments

FY76 RELOCATION PAYMENTS, BY STATE - SUMMARY OF AVERAGE PAYMENTS

STATE	ACTUAL MOVING DWELL	BUS	FARM	FIXED MOVING DWELL	BUS	FARM	SEARCHING BUS	FARM	REPLCE HOUSNG	INCR INTRST	CLOSING COST	RENTAL PAYMNT	DOWN	TOTAL
ALABAMA	393	431			2500									927
ALASKA	3003	11994		475			245		13938			3200		6811
ARKANSAS	243			222		2500			4938					1799
CALIFORNIA	2028		830	440		2500		500	10751	2360	155	4000		7255
COLORADO	4813	4119	1037	413	5648	10000		669	13146		722	3048	4000	6322
CONNECTICUT														
DELAWARE														
FLORIDA														
GEORGIA	807	150	115	380	2500							2880		2457
HAWAII														
IDAHO				380								2880		3260
ILLINOIS														
INDIANA	225	521	1995	404		3946	500		5516	591	66	2880	1512	5554
IOWA		1085	1379			2500		500						1448
KANSAS	979	759	4637	496	6139	4465	500	1881	6038	781	136		3475	5450
KENTUCKY	948	170	175	434	2500	2814			5460		99	3249	2933	4448
LOUISIANA	1165		336	373					8548		328	2446	2020	5129
MAINE														
MARYLAND				485										485
MASSACHUSETTS														
MICHIGAN														
MINNESOTA				500		6853			15000					12020
MISSISSIPPI	281	433	1046	409	1463	2500	174		4208		191	2352	2472	1978
MISSOURI	320	557	506	446	1834	3903		256	3893	1761	79	1677	3148	2197
MONTANA														
NEBRASKA	304	4701	4033	440	3082	5644	559		13901		116	2544	3946	4703
NEW HAMPSHIRE														
NEW JERSEY	956	2692	794	450	10000			500	5180	1990	639	3115	3794	2441
NEW YORK														
N. CAROLINA	775		574	430		2980			5243	1622	659	1597	3188	4485
N. DAKOTA														
OHIO	2907	6500		483	10000	3212	500		5609	1632	435	2160	3382	6797
OKLAHOMA	984			472	3066	3511			5782	1089	140	2413	3043	5013
OREGON	200			435	2500				12410		49	4000	4000	7293
PENNSYLVANIA	886	3788		441	5175	5698	199		7725	522	452	3437	3550	4278
S. CAROLINA	75			500		2500				49	674			1457
S. DAKOTA														
TENNESSEE														
TEXAS	470	790	315	382	3694	3606	255	418	2794		161	3168	2632	3490
VIRGINIA														
WASHINGTON	1214	303		350	4408				13490	367	160	3760	3447	6492
W. VIRGINIA	1156	24748		432	3585	2782			3843	17	286	2811	2644	3742
WISCONSIN	234			423	3741	2500			10340	174	109	3213	1172	4370
GRAND TOTAL	1147	3462	1271	428	4048	3639	333	525	8285	1019	281	3156	3323	4496

APPENDIX B:

NUMBER OF PAYMENTS, APPLICANTS, AND AMOUNTS
PAID BY STATE, FY72 to FY76

Tables B1 to B5 show, for each state, how many payments were made in each fiscal year, how many applicants were paid, the total amount paid in each payment type, and average amount paid per applicant. Figure B1 shows FY76 relocation payments, by state.

Table B1

FY72 Relocation Payments, by State

FY72 RELOCATION PAYMENTS, BY STATE - NUMBER OF PAYMENTS, TOTAL AMOUNT, AVERAGEPAYMENT

ALABAMA	#			1	1				1	1	2
	$			10000	390				62	2000	12452
	AVE			10000	390				62	2000	6226
ARKANSAS	#		2		2	1	2	1	1		3
	$		839		790	2500	60	2300	76		6505
	AVE		420		395	2500	30	2300	76		2168
CALIFOR	#				9				1	3	10
NIA	$				2690				251	2990	5931
	AVE				299				251	997	593
COLORADO	#	2	2		10	1	2	5	2		14
	$	800	2936		3350	4492	234	20801	68		32447
	AVE	400	1468		335	4492	117	4160	34		2318
CONNECT	#				1					1	1
ICUT	$				430					1240	1670
	AVE				430					1240	1670
FLORIDA	#				1			1	1		3
	$				380			2000	471		2851
	AVE				380			2000	471		950
GEORGIA	#	2		3	4			1	1		7
	$	51		352	1560			4675	110		6748
	AVE	26		117	390			4675	110		964
HAWAII	#	11	1		10						21
	$	2635	3527		2000						8162
	AVE	240	3527		200						389
IDAHO	#	1	1		7	1		2	5	3	8
	$	75	75		2900	2500		14000	147	3110	22807
	AVE	75	75		414	2500		7000	29	1037	2851
ILLINOIS	#			1	1	2					3
	$			4000	500	5500					10000
	AVE			4000	500	2750					3333
INDIANA	#				1	2		1	1		3
	$				465	5000		6310	88		11863
	AVE				465	2500		6310	88		3954

Table B1 (Cont'd)

IOWA	#	1			9		6			3			3		10
	$	813			3965		23007			7287			146		6964	42182
	AVE	813			441		3835			2429			49		2321	4218
KANSAS	#	2		1	14		2			3	2		7		2	16
	$	1218		833	6400		5000			5946	91		617		955	21060
	AVE	609		833	457		2500			1982	46		88		478	1316
KENTUCKY	#	1	4	1	20	1	8	2	1	5	1		4	7	2	24
	$	740	1851	139	8644	2500	20000	39	139	20359	1496		364	1680	4648	62421
	AVE	740	463	139	432	2500	2500	20	139	4072	1496		91	240	2324	2601
LOUI	#				2					2			1			2
SIANA	$				1000					8050			326			9376
	AVE				500					4025			326			4688
MAINE	#				2											2
	$				460											460
	AVE				230											230
MINNE	#				6		5			3			2		2	8
SOTA	$				2850		16908			13039			156		3240	36193
	AVE				475		3382			4346			78		1620	4524
MISSOURI	#	16	1	3	61	2	14			16	11		32	2	2	87
	$	8935	1500	236	27146	5966	37094			32099	17090		1546	720	4197	136529
	AVE	558	1500	79	445	2983	2650			2006	1554		48	360	2099	1569
MONTANA	#	2	1		24	3	1			7	1		6	2	3	29
	$	2058	947		9910	11060	2500			28382	800		16	840	9886	66399
	AVE	1029	947		413	3687	2500			4055	800		3	420	3295	2290
NEW HAMP	#				1											1
SHIRE	$				270											270
	AVE				270											270
NEW	#	9	1		39		2				1		5			52
JERSEY	$	4992	500		17235		5018				2037		1892			31674
	AVE	555	500		442		2509				2037		378			609
NEW YORK	#				16								2	5	4	16
	$				5413								777	7200	9550	22940
	AVE				338								389	1440	2388	1434
NORTH	#	1			15		8			7			8		2	17
CAROLINA	$	117			5920		21989			24066			1706		2890	56688
	AVE	117			395		2749			3438			213		1445	3335

Table B1 (Cont'd)

NORTH DAKOTA	#			1					1	1						1
	$			475					475	8400						8875
	AVE			475					475	8400						8875
OHIO	#	4	1	6	49	1	10		2	17	4	19		8		56
	$	3499	415	2151	22600	3121	41378		1000	50651	9791	3565		16723		153894
	AVE	875	415	359	461	3121	4138		500	2979	2448	188		2090		2748
OKLAHOMA	#	3	1	3	53	4	17		1	35	1	35	1	3		65
	$	1516	450	707	23985	10000	60471		169	130734	622	1974	1320	6065		239944
	AVE	505	450	236	453	2500	3557		169	3735	622	56	1320	2688		3690
OREGON	#				5								1			5
	$				2140								480			2620
	AVE				428								480			524
PENNSYL VANIA	#	12	5		373	1	5	2		16	2	7		2		389
	$	8639	4071		142596	2500	12500	373		17621	701	1847		4525		195020
	AVE	720	814		382	2500	2500	187		1101	351	267		2263		501
TEXAS	#	5	1	4	54	4	11		2	7	1	9	2	5		65
	$	3577	1000	1316	20470	10000	30777		816	13108	2086	1297	920	10770		95321
	AVE	715	1000	329	379	2500	2798		408	1873	2086	144	460	2154		1466
VIRGINIA	#	4								2		2				4
	$	911								19420		278				20609
	AVE	228								9710		139				5152
WASHING TON	#	2			17	2	2			3		6		2		20
	$	1864			7390	5000	5000			13025		314		2600		35193
	AVE	932			435	2500	2500			4342		52		1300		1760
WEST VIRGINIA	#	9	7	1	89	3	6			32	3	35	2	5		107
	$	6724	3634	170	38810	11097	15000			42194	262	4917	480	9983		133271
	AVE	747	519	170	436	3699	2500			1319	87	140	240	1997		1245
WISCON SIN	#				12	1	13			7		5				23
	$				5610	2500	54870			36648		598				100226
	AVE				468	2500	4221			5235		120				4358
GRAND TOTAL	#	87	28	25	908	23	116	8	7	177	27	201	25	50		1072
	$	49164	21745	20379	368269	68236	367012	706	2599	521110	34976	23629	16630	101346		1592496
	AVE	565	777	815	406	2967	3164	88	371	2944	1295	118	665	2027		1486

Table B2

FY73 Relocation Payments, by State

FY73 RELOCATION PAYMENTS, BY STATE - NUMBER OF PAYMENTS, TOTAL AMOUNT, AVERAGEPAYMENT

	ACTUAL MOVING DWELL	BUS	FARM	FIXED MOVING DWELL	BUS	FARM	SEARCHING BUS	FARM	REPLCE INCR HOUSNG	INTRST	CLOSING COST	RENTAL PAYMNT	DOWN PAYMNT	TOTAL AVERAGE
ALABAMA #				3		2			1		1		2	6
$				1090		5000			1084		25		6087	13286
AVE				363		2500			1084		25		3044	2214
ARKANSAS #				3					1			1		3
$				1215					11883			480		13578
AVE				405					11883			480		4526
CALIFOR #	1	13		84	5	1	8		7	1	12	43	3	99
NIA $	500	25577		23480	18056	82	944		44966	6	3206	26462	10335	152670
AVE	500	1967		280	3611	82	118		6424	6	267	615	3445	1542
COLORADO #	1	2		9		1			3		1	2		15
$	500	51237		4075		2500			25694		277	660		84943
AVE	500	25619		453		2500			8565		277	330		5663
CONNECT #				1										1
ICUT $				500										500
AVE				500										500
FLORIDA #				2					1		1		1	2
$				820					1500		215		3317	5852
AVE				410					1500		215		3317	2926
GEORGIA #	6		4	13	1				4	1	5	4	1	22
$	683		1535	4895	2500				27028	434	1266	2261	500	41099
AVE	113		384	377	2500				6757	434	253	565	500	1868
IDAHO #	2	1		7	1	1			1		1	3	2	11
$	1182	500		3060	10000	2500			10500		89	1056	1440	30327
AVE	591	500		437	10000	2500			10500		89	352	720	2757
ILLINOIS #				2					1		2	1		2
$				1000					4000		665	2000		7665
AVE				500					4000		333	2000		3833
INDIANA #				33	2	12			19	1	13	1	2	34
$				13249	7611	40324			102117	76	178	480	5609	169104
AVE				401	3806	3360			5375	76	14	480	2805	4974
IOWA #	3	2	2	12		7			1		1	3	9	22
$	3249	34896	893	5585		21135			185		128	3420	22310	91801
AVE	1083	17448	447	465		3019			185		128	1140	2479	4173

Table B2 (Cont'd)

KANSAS	#	3		2	30		14		19	2	19		7	34
	$	1352		390	14880		70172		77849	697	1096		17621	193057
	AVE	451		195	496		5655		4097	349	58		2517	5678
KENTUCKY	#	1	2		15	1	5		5		4	4	5	18
	$	155	2481		6800	2500	12500		12080		287	1780	9174	47757
	AVE	155	1241		453	2500	2500		2416		72	445	1835	2653
LOUI	#				2							1		2
SIANA	$				745							480		1225
	AVE				373							480		613
MAINE	#		1		5	1						2		6
	$		258		1835	2500						1448		6041
	AVE		258		367	2500						724		1007
MASSA	#				2									2
CHUSETTS	$				850									850
	AVE				425									425
MICHIGAN	#	9												9
	$	35688												35688
	AVE	3965												3965
MINNE	#	1			9		7		5		3	2	4	16
SOTA	$	298			4150		22030		27748		40	1560	8273	64099
	AVE	298			593		3147		5550		13	780	2068	4006
MISSOURI	#	9	1	4	88	4	26		33	8	36	5	16	114
	$	3728	57	729	40350	17500	64229		78627	14743	2735	3180	34484	260362
	AVE	414	57	182	459	4375	2470		2383	1843	76	636	2155	2294
MONTANA	#	3	4	2	14	2		2	5			1	7	24
	$	2048	31873	1810	5940	11191		5331	22406			736	16638	92642
	AVE	683	7968	905	424	5596		2666	4481			736	2377	3860
NEBRASKA	#				17	1	4		5	1	3	1	4	22
	$				7250	9737	29625		10550	140	450	120	6845	64717
	AVE				426	9737	7406		2110	140	150	120	1711	2942
NEW	#	11		3	108		2	1	13	4	28	3	14	120
JERSEY	$	23629		3000	46825		5000	500	60460	2577	14892	2740	52621	211744
	AVE	2148		1000	434		2500	500	4651	644	532	913	3759	1765
NEW YORK	#	1			25								36	36
	$	819			11216								67288	79323
	AVE	819			320								1869	2203

Table B2 (Cont'd)

NORTH CAROLINA	#			1	17		9			5		5	3		24
	$			40	6419		37631			39104		1735	10500		95429
	AVE			40	378		4181			7821		347	3500		3976
NORTH DAKOTA	#				1									1	1
	$				500									2000	2500
	AVE				500									2000	2500
OHIO	#	5	6	4	96	3	12		1	26	7	27	26	14	112
	$	2924	8246	645	43625	14500	36123		40	62897	8194	4795	21884	39220	243143
	AVE	585	1374	161	454	4833	3010		40	2423	1171	178	842	2801	2171
OKLAHOMA	#	4	1	3	77	9	25			34	3	36	20	10	102
	$	4188	22	292	36135	31732	69482			184587	3087	1949	19416	31344	382234
	AVE	1047	22	97	469	3526	2779			5429	1029	54	971	3134	3747
OREGON	#	2		5	27		4		4	5	1	4	2	9	31
	$	4854		2020	11980		10000		1968	41035	3450	321	4560	23628	101848
	AVE	2427		404	444		2500		492	8207	3450	80	2280	2625	3285
PENNSYLVANIA	#	28	8	2	368	10	10	4		69	1	18	17	43	408
	$	22908	7304	8631	151765	27696	32862	1000		168833	825	6447	18732	100679	546682
	AVE	818	913	4316	412	2770	3286	250		2447	825	358	1102	2341	1340
TEXAS	#	5	4	8	43	1	22	3	3	8		6	4	6	73
	$	4232	1913	4257	17175	2500	58598	420	3284	18453		727	2476	14031	121362
	AVE	846	478	532	399	2500	2527	140	1095	2307		121	619	2339	1662
VIRGINIA	#				4					3		7			8
	$				1730					13100		1480			16310
	AVE				432					4367		211			2039
WASHINGTON	#	3	2		6	1	4	1		1	1	2	2		15
	$	2582	12956		2530	2500	19565	456		170	1412	440	1240		43395
	AVE	861	6478		422	2500	4891	456		170	1412	220	620		2893
WEST VIRGINIA	#	8	3	1	143	10	1			40	2	34	29	23	164
	$	5165	1114	225	58960	36866	2500			132060	447	4516	16493	46132	304478
	AVE	646	371	225	412	3687	2500			3302	224	133	569	2006	1857
WISCONSIN	#		3	1	23	1	11	2		11		10	2	6	36
	$		3842	397	10960	2500	30937	70		75328		465	2080	13865	140374
	AVE		1281	397	477	2500	2812	35		6848		47	1040	2311	3899
GRAND TOTAL	#	106	53	42	1299	53	180	22	9	326	33	279	218	189	1591
	$	120681	182276	24864	541589	199889	578795	8221	5792	1254334	36088	48424	213532	465613	3666085
	AVE	1139	3439	592	417	3771	3216	374	644	3848	1094	174	980	2464	2304

Table B3

FY74 Relocation Payments, by State

FY74 RELOCATION PAYMENTS, BY STATE - NUMBER OF PAYMENTS, TOTAL AMOUNT, AVERAGEPAYMENT

STATE		ACTUAL MOVING ,DWELL	,BUS	,FARM	FIXED MOVING ,DWELL	,BUS	,FARM	SEARCHING ,BUS	,FARM	REPLCE HOUSNG	INCR INTRST	CLOSNG COST	RENTAL ,PAYMNT	DOWN ,PAYMNT	TOTALS
ALABAMA	#		1												1
	$		103000												103000
	AVE		103000												103000
ARKANSAS	#				1		1								2
	$				440		2500								2940
	AVE				440		2500								1470
CALIFOR NIA	#									1		1			2
	$									758		582			1340
	AVE									758		582			670
COLORADO	#	5	2		18		1	1		6	2	6	1	3	22
	$	4064	3020		8280		3263	500		37015	5173	1514	1224	2667	66720
	AVE	813	1510		460		3263	500		6169	2587	252	1224	889	3033
DELAWARE	#				1									1	1
	$				285									3555	3840
	AVE				285									3555	3840
GEORGIA	#	4		2	8	1	1						5	1	16
	$	1375		2159	2690	2500	8230						7263	841	25058
	AVE	344		1080	336	2500	8230						1453	841	
IDAHO	#	4	5		4	1	3	1		1			5		14
	$	3209	22333		1760	1000	7500	350		3400			4919		44121
	AVE	802	4467		440	1000	2500	350		3400			984		3152
INDIANA	#	4		5	39	2	16		1	20	1	8	4	4	49
	$	4218		882	15815	9242	57648		54	81466	374	223	3540	9515	182977
	AVE	1055		176	406	4621	3603		54	4073	374	28	885	2379	3734
IOWA	#	3		3	7		5		1	4		2	2	3	11
	$	2245		1410	3500		16590		101	13817		305	3720	8303	49890
	AVE	748		470	500		3318		101	3454		153	1860	2768	4535
KANSAS	#	9		10	34		21	6	14	7	12	1	18		54
	$	3962		10455	16700		58729	3351	62625	3223	681	480	44209		203464
	AVE	440		1046	491		2797	558	4473	460	57	480	2456		3770
KENTUCKY	#	4	2		24	2	2			7	1	9	5	5	31
	$	2711	8710		10640	12500	5000			29533	11	630	3420	14796	87941
	AVE	678	4355		443	6250	2500			4219	11	70	684	2959	2837
LOUI SIANA	#	46	3	1	22	1				25	3	24	3	6	65
	$	47342	4382	180	8820	10000				233105	1303	8050	3448	12202	328834
	AVE	1029	1461	180	401	10000				9324	434	335	1149	2034	5059
MINNE SOTA	#		1		4	1	7			2		1	2	2	15
	$		30500		1800	2500	20915			8086		1105	2400	2295	69801
	AVE		30500		450	2500	2988			4043		1105	1200	1148	4441
MISSOURI	#	20	13	9	171	2	48	3	1	67	19	72	12	23	224
	$	8314	6874	3910	79350	8224	137869	439	283	197082	23545	7453	7690	49872	530183
	AVE	416	529	434	464	4112	2872	146	283	2942	239	104	641	2168	2367
MONTANA	#	3	4	1	4	2	1	2					1	3	8
	$	2720	1339	500	1550	7500	2500	553					2400	8328	26837
	AVE	907	335	500	388	3750	2500	277					2400	2776	3355

Table B3 (Cont'd)

NEBRASKA	#				16	1	9			5		1	2	8	22
	$				6620	490	61478			32560		480	4960	14971	124459
	AVE				414	490	4886			6512		480	2480	2121	5639
NEW	#	7			67	1	1			10	3	16	4	5	76
JERSEY	$	6456			28800	2500	6754			43380	1712	8116	5760	18021	121497
	AVE	922			430	2500	6754			4338	571	507	1440	3604	1599
NORTH	#	1	1		32	1	3			7	2	10	5	3	36
CAROLINA	$	75	343		12369	2500	18042			36911	589	2904	5070	2668	78471
	AVE	75	343		387	2500	6014			5273	295	290	1014	889	2180
NORTH	#		1		2		2			1		2			2
DAKOTA	$		2500		925		6991			6550		268			17334
	AVE		2500		463		3496			6550		134			8667
OHIO	#	16	8	7	69	8	13	4	4	19	6	22	18	20	96
	$	11061	31701	2781	32200	53506	47468	17191	2172	53245	4697	4816	18726	60212	300200
	AVE	691	3963	397	467	6688	3651	4298	543	2802	783	219	1040	3011	3127
OKLAHOMA	#	3	1	1	105	6	95			44	1	35	21	26	150
	$	2092	42	205	49255	15000	312652			205249	622	2938	30858	77515	696828
	AVE	697	42	205	469	2500	3291			4665	622	84	1469	2997	4646
OREGON	#	4	2	4	6	1	2	1	3	2		2	2	3	13
	$	6256	457	6996	2680	2500	5000	211	1500	20400		156	1320	11870	57685
	AVE		204			2500	2500	211	500	10200		78	660	3957	4430
PENNSYL	#	28	10	8	350	21	21	3	3	66	12	87	59	46	406
VANIA	$	18323	4941	21047	146742	81066	59527	2708	8271	314944	7236	40172	54729	132982	881439
	AVE	654	494	2631	419	3860	2835	903	2757	4772	603	462	928	2891	2182
SOUTH	#											1			1
DAKOTA	$											75			75
	AVE											75			75
TENNES	#	1		1			1								3
SEE	$	516		400			2500								3416
	AVE	516		400			2500								1139
TEXAS	#	1		4	33	1	50			8		8	6	9	44
	$	1400		2881	12910	2500	141559			23296		911	3936	20990	210383
	AVE	1400		720	391	2500	2831			2912		114	656	2332	3287
WASHING	#	10	4	2	11	3	3	2	1	20	1	6	2	4	42
TON	$	24861	39544	10187	4660	7500	15000	945	500	233177	68	567	2720	15600	353824
	AVE	2486	9886	5094	424	2500	5000	473	500	11659	68	93	1360	3900	8426
WEST	#	11	2	3	146	16	6			56	1	51	28	25	174
VIRGINIA	$	10567	1413	2982	62925	44688	16000			218184	53	8846	28843	62882	454383
	AVE	961	707	1491	431	2793	2500			3896	53	173	1030	2515	2611
WISCON	#		3	1	14	2	6			14		8	3	3	31
SIN	$		1498	574	6470	7442	16000			126785		393	3600	8945	170707
	AVE		499	574	462	3721	2500			9056		49	1200	2982	5507
GRAND	#	184	63	62	1188	73	315	17	20	399	59	383	181	221	1429
TOTAL	$	161769	262547	67549	518186	273158	1027445	22897	16232	1981568	48609	91173	201024	584139	5256293
	AVE	879	4167	1089	436	3742	3262	1347	812	4966	824	238	1111	2643	3677

AD-A075 511 CONSTRUCTION ENGINEERING RESEARCH LAB (ARMY) CHAMPAIGN IL F/G 13/13
REAL ESTATE COST ESTIMATING TECHNIQUES FOR PL 91-646 RELOCATION--ETC(U)
SEP 79 U R POSKUS , E D STAMAS , S P STAWARZ IAO-RE-7T-1
UNCLASSIFIED CERL-TR-P-103 NL

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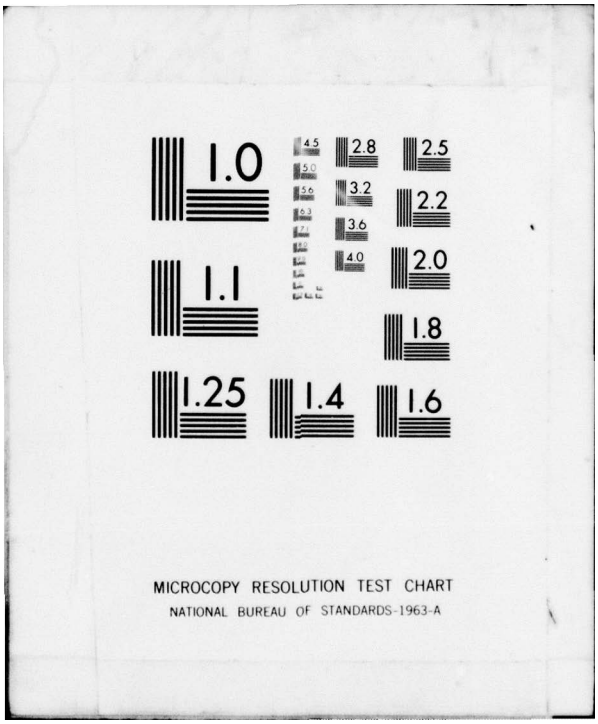

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NATIONAL BUREAU OF STANDARDS-1963-A

Table B4

FY75 Relocation Payments, by State

FY75 RELOCATION PAYMENTS BY STATE , NUMBER OF PAYMENTS, TOTAL AMOUNT, AVERAGE PAYMENT

STATE		ACTUAL MOVING .DWELL	.BUS	.FARM	FIXED MOVING ..DWELL	.BUS	.FARM	SEARCHING ..BUS	.FARM	REPLCE ..HOUSING	INCR INRST	CLOSNG COST	RENTAL .PAYMNT	DOWN .PAYMNT	TOTALS
ALASKA	#	1			10								4	2	11
	$	1859			4070					11263			16000	8000	41192
	AVE	1859			407					11263			4000	4000	3744
ARKANSAS	#				2	2	1			2					4
	$				1000	5000	2500			16733					25233
	AVE				500	2500	2500			8366					6308
CALIFOR NIA	#				2		1							1	3
	$				880		10000							4000	14880
	AVE				440		10000							4000	4960
COLORADO	#	77	3		62	3	2	1		18	2	9	69	15	145
	$	145410	618376		25935	15750	12500	500		96833	2553	2358	127691	50215	1097821
	AVE	1888	206125		418	5250	6250	500		5379	1276	262	1850	3347	7570
GEORGIA	#				5					1	1	1	4		5
	$				1845					7825	226	545	9044		19485
	AVE				369					7825	226	545	2261		3897
ILLINOIS	#			1											1
	$			580											580
	AVE			580											580
IDAHO	#	3	3	1	4	2							5	1	13
	$	2709	7108	569	1480	15098							10432	4000	41396
	AVE	903	2369	569	370	7549							2086	4000	3184
IOWA	#		1		3	1	2						1	2	7
	$		10568		1455	2500	12500						2640	5260	34923
	AVE		10568		485	2500	6250						2640	2630	4989
INDIANA	#	3	6	4	48	3	26	3	1	26	2	13	9	2	63
	$	1495	2626	970	19825	7500	96006	1153	500	106489	474	500	13716	3692	253293
	AVE	498	437	243	413	2500	3692	384	500	4095	237	38	1524	1846	4021
KANSAS	#	10		11	33	4	33		5	15	4	11	3	11	80
	$	6608		23820	16440	10233	144503		5598	94269	1802	1159	5525	32331	336490
	AVE	660		2165	498	2558	4439		1119	6284	450	105	1841	2939	5445
KENTUCKY	#	1	5	4	77	2	27	1	1	32	5	28	15	12	87
	$	140	76408	1152	33380	12500	72664	7715	311	183192	1338	3267	31296	29884	445221
	AVE	140	15281	288	434	6250	2691	7715	311	5724	263	116	2086	2490	5117

Table B4 (Cont'd)

LOUISIA	#	18			13	2				15		11	6	2	32
NA	$	23291			4640	12500				143347		4218	14143	4424	206563
	AVE	1293			356	6250				9556		383	2357	2212	6455
MINNESO	#			2	2		8			2				2	13
TA	$			875	975		39924			26250				8000	76024
	AVE			437	487		4990			13125				4000	5848
MISSOURI	#	75	4	7	141	3	38	1	1	57	13	62	22	23	234
	$	27125	18276	13853	64555	7500	111742	500	500	189499	11727	3906	44441	63842	556466
	AVE	361	4569	1979	457	2500	2940	500	500	3325	902	63	2020	2775	7420
MISSISSI	#	1		1	52	1	2			6	1	15	10	2	54
PPI	$	197		410	20475	2500	5000			16407	42	1098	20976	3402	70507
	AVE	197		410	393	2500	2500			2734	42	73	2097	1701	1305
MONTANA	#	1								1					1
	$	624								4000					4624
	AVE	624								4000					4624
NEBRASKA	#	4	2		105	10	6	1		52	2	11	34	8	121
	$	2887	2108		42820	37890	28938	500		621003	138	701	44790	28420	809695
	AVE	721	1054		407	3789	4823	500		11942	69	63	1317	3552	6692
NEW JER	#	52	4		58	2	2			20	5	27	20	10	112
SEY	$	32113	5334		26380	12500		12500		127847	4709	16971	72544	38822	349720
	AVE	618	1333		455	6250	6250			6392	941	629	3637	3882	3123
NO CAROL	#	6	1	1	48	1	9			5	4	17	10	3	64
INA	$	3608	410	833	18614	2500	41058			18417	7495	5661	29520	6233	134349
	AVE	601	410	833	387	2500	4562			3683	1873	333	2952	2077	2099
N DAKOTA	#		1	1	3		3		1					1	6
	$		10598	628	1200		15147		628					2000	29573
	AVE		10598	628	400		5049		628					2000	4929
OHIO	#	17	4	5	47	4	13	1	1	9	4	10	23	17	69
	$	27776	2277	4179	22390	22501	41065	500	30	20025	4601	3625	46828	42878	238145
	AVE	1633	569	835	476	5625	3158	500	30	2225	1150	362	2036	2522	3451
OKLAHOMA	#	4		1	83	14	76			24		18	24	16	140
	$	5044		205	38725	45000	310225			99679		1890	48278	50343	599389
	AVE	1261		205	466	3214	4081			4153		105	2011	3146	4281

Table B4 (Cont'd)

OREGON	#	1		2	5		1	1	2	1	1	2		6
	$	953		2727	2420		2500	500	27000	744	61	3240		39445
	AVE	953		1363	484		2500	500	13500	744	61	1620		6607
PENNSYL VANIA	#	55	4	2	262	20	18	1	80	14	81	78	46	340
	$	29729	5151	5000	113024	69317	57149	2500	510215	8740	49561	197554	160844	1206284
	AVE	540	1287	2500	431	3466	3171	2500	6378	624	612	2533	3496	3548
S CAROL INA	#	1			1									2
	$	200			175									375
	AVE	200			175									375
S DAKOTA	#				1	2								2
	$				500	5000								5500
	AVE				500	2500								2750
TENNESSE	#		1				1							1
	$		465				241							706
	AVE		465				241							706
TEXAS	#	1		10	29	1	130	4	6	1	4	9	3	148
	$	50		3717	11040	2500	379272	2000	20356	271	429	17696	7839	443160
	AVE	50		371	380	2500	2917	500	3392	271	107	1965	2613	2994
VIRGINIA	#	1		1	1						2	1		3
	$	510		293	380						216	2176		3575
	AVE	510		293	380						108	2176		1191
WASHINGT ON	#	28	1		56	16			56	4	16	22	10	108
	$	45691	500		22060	53159			718429	1149	5832	78472	38832	964124
	AVE	1631	500		393	3322			12829	287	364	3566	3883	8927
WEST VIR GINIA	#	11	4	1	172	13	15		49		54	56	24	194
	$	14697	24906	407	77050	42065	37500		180418		15737	128351	58243	579374
	AVE	1336	6226	407	447	3235	2500		3682		291	2291	2426	2986
WISCONS IN	#	2			16		8		12		2	3	4	26
	$	778			7190		40985		150103		102	8745	11635	219738
	AVE	389			449		5123		12508		51	2915	2958	8451
GRAND TOTAL	#	373	45	55	1341	106	421	9	16	491	63	393	430	217	2075
	$	373494	785111	60218	580923	383513	1475678	11109	12567	3389599	46009	117837	974088	663339	8873485
	AVE	1001	17446	1094	433	3618	3505	1234	785	6903	730	300	2265	3057	4276

Table B5

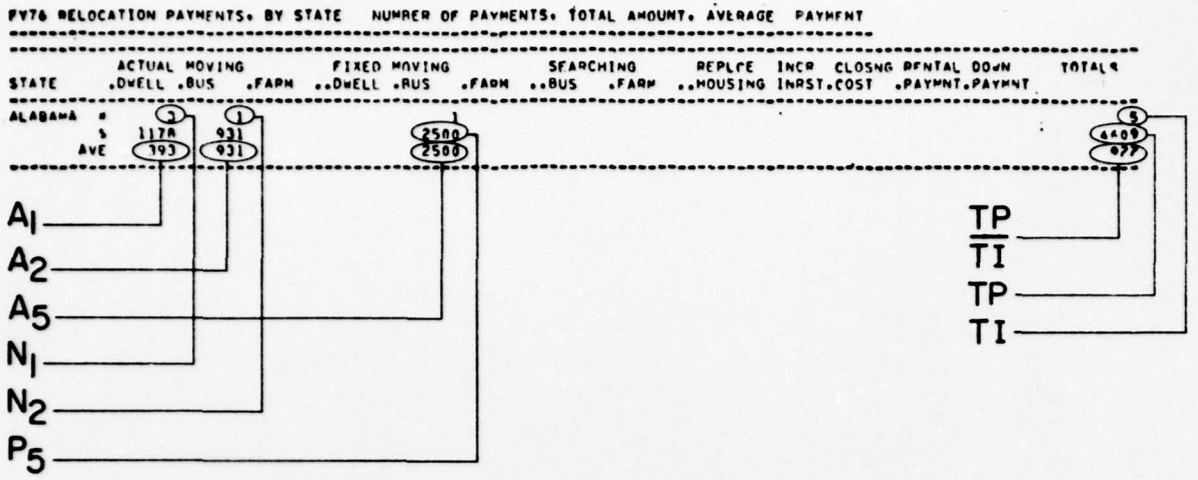
FY76 Relocation Payments, by State

FY76 RELOCATION PAYMENTS, BY STATE NUMBER OF PAYMENTS, TOTAL AMOUNT, AVERAGE PAYMENT

STATE		ACTUAL MOVING ,DWELL	,BUS	,FARM	FIXED MOVING ,,DWELL	,BUS	,FARM	SEARCHING ,,BUS	,FARM	REPLCE ,,HOUSING	INCR INRST	CLOSNG ,COST	RENTAL ,PAYMNT	DOWN ,PAYMNT	TOTALS
ALABAMA	#	3	1			1									5
	$	1178	931			2500									4609
	AVE	393	931			2500									922
ALASKA	#	3	2		24			1		8			2		37
	$	9010	23987		11400			245		111500			6400		162297
	AVE	3003	11994		475			245		13938			3200		6811
ARKANSAS	#	4			4	1				2					11
	$	1130			886	2500				9876					14392
	AVE	283			222	2500				4938					1799
CALI	#	3		2	6	2		1		5	1	2	1		11
FORNIA	$	6083		1660	2640	5000		500		53753	2360	309	4000		79885
	AVE	2028		830	440	2500		500		10751	2360	155	4000		7255
COLORADO	#	15	3	2	10	4	2	1		5		3	7	2	54
	$	69199	12356	2074	4130	22591	20000	669		65731		2165	21336	8000	227582
	AVE	4613	4119	1037	413	5648	10000	669		13146		722	3048	4000	4322
GEORGIA	#	1	1	2	1	1							2		4
	$	807	150	230	380	2500							5760		9827
	AVE	807	150	115	380	2500							2880		2457
IDAHO	#				1								1		1
	$				380								2880		3260
	AVE				380								2880		3260
INDIANA	#	2	2	4	19	18	1			13	1	5	1	2	30
	$	449	1041	7980	7675	71024	500			71707	591	331	2880	3023	164811
	AVE	225	521	1995	404	3946	500			5516	591	66	2880	1512	5494
IOWA	#		3	3		1		1							6
	$		3254	4136		2500		500							9890
	AVE		1085	1379		2500		500							1648
KANSAS	#	4	3	3	16	2	22	1	1	8	4	9		3	77
	$	3914	2277	13910	7940	12279	98239	500	1881	48307	3124	1224		10425	201439
	AVE	979	759	4637	496	6139	4465	500	1881	6038	781	136		3475	5450
KENTUCKY	#	6	2	2	84	1	35			42		39	22	4	103
	$	5642	340	350	36430	2500	98501			229316		3862	71467	11732	460140
	AVE	940	170	175	434	2500	2814			5460		99	3249	2933	4468
LOUISI	#	12		1	19					15		14	4	5	74
ANA	$	13977		336	7090					128521		4592	9782	10102	174400
	AVE	1165		336	373					8568		328	2446	2020	5129
MARYLAND	#				1										1
	$				485										485
	AVE				485										485
MINNE	#				1	3				1					3
SOTA	$				500	28559				15000					36059
	AVE				500	6853				15600					12020

Table B5 (Cont'd)

MISSIS	#	5	7	3	44	2	4	1		12		16	5	5	59
SIPPI	$	1404	3031	3198	17985	2925	10000	174		50497		3062	11760	12358	116220
	AVE	281	433	1066	409	1463	2500	174		4208		191	2352	2472	1970
MISSOURI	#	51	2	8	86	2	28		4	31	6	25	6	9	157
	$	16337	1114	4051	38764	3668	109297		1024	120096	10568	1981	10059	24329	344488
	AVE	320	557	506	446	1834	3903		256	3693	1761	79	1677	3148	2197
NEBRASKA	#	2	3	1	104	12	2	1		57		1	11	26	220
	$	608	12904	4033	45790	36989	11288	559		792357		116	27984	102600	1034449
	AVE	304	4301	4033	440	3082	5644	559		13901		116	2544	3946	4703
NEW	#	15	2	13	20	1			1	5	2	9	3	7	49
JERSEY	$	14348	5383	10324	9005	10000			500	25900	3979	5751	9344	24541	120695
	AVE	956	2692	794	450	10000			500	5180	1990	639	3115	3506	2461
NORTH	#	2		2	20		9			10	3	6	2	3	25
CAROLINA	$	1550		1147	8605		26823			52431	4866	3953	3154	9563	112132
	AVE	775		574	430		2980			5243	1622	659	1597	3188	4485
OHIO	#	9	2		9	1	5	1		9	5	8	2	4	22
	$	26167	13000		4350	10000	16059	500		50479	8159	3479	4320	13527	149640
	AVE	2907	6500		483	10000	3212	500		5609	1632	435	2160	3382	6797
OKLAHOMA	#	1			45	7	67			24	3	14	9	7	93
	$	984			21240	21460	235245			138774	3267	1961	21720	21578	466229
	AVE	984			472	3066	3511			5782	1089	140	2413	3083	5013
OREGON	#	1			7	1				3		2	1	1	7
	$	200			3050	2500				37230		98	4000	4000	51078
	AVE	200			435	2500				12410		49	4000	4000	7293
PENNSYL	#	37	11		153	11	6	3		64	16	62	26	26	221
VANIA	$	32770	41666		67445	56929	34190	596		494378	8351	28002	89343	92299	945613
	AVE	886	3788		441	5175	5698	199		7725	522	452	3437	3550	4278
SOUTH	#	1			2		1				1	2			3
CAROLINA	$	75			1000		2500				49	1347			4971
	AVE	75			500		2500				49	674			1657
TEXAS	#	5	2	4	16	2	68	1	3	7		3	1	1	83
	$	2351	1580	1259	6110	7388	245174	255	1255	19559		484	3168	2632	289705
	AVE	470	790	315	382	3694	3606	255	418	2794		161	3168	2632	3490
WASHING	#	35	2		95	10				43	1	7	56	9	141
TON	$	42476	605		33205	44082				580067	367	1117	210568	31024	943511
	AVE	1214	303		350	4408				13490	367	160	3760	3447	6692
WEST	#	7	2		73	5	7			20	1	21	24	10	81
VIRGINIA	$	3468	49495		31530	17925	19471			77255	17	6007	73098	24442	304708
	AVE	1156	24748		432	3585	2782			3863	17	286	2811	2644	3762
WISCON	#	2			9	4	5			4	1	1	4	1	20
SIN	$	468			3810	14964	12500			41360	174	109	12851	1172	87408
	AVE	234			423	3741	2500			10340	174	109	3213	1172	4370
GRAND	#	222	50	39	880	67	286	10	12	388	45	249	192	125	1388
TOTAL	$	254595	173114	49558	376885	271200	1040870	3329	6299	3214694	45872	69950	605934	415367	6518039
	AVE	1147	3462	1271	428	4048	3639	333	525	8285	1019	281	3156	3323	4696



P_1 to P_{13} = individual payment totals

A_1 to A_{13} = average value of payment type

N_1 to N_{13} = number of payments made in each payment type

$\sum_{i=1}^{13} N_i = NP$ = total number of payments made in each state

$TP = \sum_{i=1}^{13} P_i$ = total value relocation payments for state

TI = total number of applicants ($NP \geq TI$)

$\frac{PI}{Ni}$ = average payment size of payment i, i=1---13 average payment to those individuals receiving that payment

$\frac{TP}{TI}$ = average payment per applicant

Figure B1. FY76 relocation payments, by state.

APPENDIX C:

SUMMARY OF PAYMENTS BY DISTRICT FY72 TO FY76

District averages with projections (Table C1) provide average payments per applicant by District and projections through FY80. Table C2 provides the least squares equation constants for each District and a measure of the fit, R^2, of the least squares line to the data points, with 1.000 being a perfect fit, and 0.000 being no fit. Tables C3 through C16 summarize individual average payments made by fiscal year for FY72 to FY76.

Tables C17 to C21 provide individual average payments by state and by fiscal year. In each table, the TOTAL column provides the fiscal year state average per applicant payment.

Data were insufficient to provide adequate projection values for several states (Tables C1 and C2). It is therefore recommended that the listed values not be used for any further cost-estimate calculations.

Table C1

District Total Average Payments

	ACTUAL					PROJECTIONS**			
FY	72	73	74	75	76	77	78	79	80
ALBUQUERQUE	2221	10259	5975	2808	28396	23402	27891	32381	36871
ALASKA				3745	6011	8277*	10543*	12809*	15075*
BALTIMORE	512	1483	2797	4478	5434	6793	8076	9360	10644
FT. WORTH	1531	1671	3424	2952	3319	4037	4522	5008	5494
GALVESTON	330	100				-820*	-1050*	-1280*	-1510*
HUNTINGTON	1392	1588	2227	2948	3524	4023	4585	5148	5710
KANSAS CITY	1451	3454	2642	2765	2743	3180	3369	3559	3748
LITTLE ROCK	610		440			185*	100*	15*	-70*
LOS ANGELES		754	670		7692	9658	12140	14622	17104
LOUISVILLE	2823	3003	3912	4474	5387	5900	6559	7219	7879
MEMPHIS		540			19	-155*	-328	-502	-676
MOBILE	5101	2392	103000		965	34253	36219	38185	40151
NASHVILLE		5375	1564	1518	1601	-328***	-1464***	-2601***	-3738***
NEW ENGLAND DIV	600	821				1705*	1926*	2147*	2368*
NEW ORLEANS	1415		4658	5371	4748	6559	7472	8385	9298
NEW YORK	1434	2203				5279*	6048*	6817*	7586*
NORFOLK	5152	2039		1192		-1573***	-2764***	-3955***	-5146***
N. CENTRAL DIV		3598			15146	18995*	22845*	26694*	30543*
OMAHA	3972	4004	4320	7120	7909	8762	9861	10960	12059
PHILADELPHIA	529	1447	1868	3117	3501	4377	5138	5899	6661
PITTSBURGH	825			2916	16500	15211	18385	21559	24733
PO DIV	389					*	*	*	*
PORTLAND	524	3285	8320	9266	6751	11160	13003	14847	16690
ROCK ISLAND	4387	4048	5106	7189	4599	6135	6492	6848	7205
SACRAMENTO	593	1575		4960	6811	8231	9813	11395	12977
SAVANNAH	2643	2968	1990	2172	3967	3304	3489	3674	3859
SEATTLE	2308	3738	3354	4624		5803	6460	7116	7773
ST. LOUIS	1691	2685	2462	2581	2128	2540	2617	2694	2771
TULSA	3714	3818	4650	4581	5237	5543	5924	6305	6685
VICKSBURG	4688			392	3189	1107	489	-130***	-748***
WALLA WALLA	2010	2917	4498	3543	5135	5683	6371	7059	7746

* Inadequate data for projections.

** Projections for FY77 through FY80 were based on actual payments made during FY72 through FY76. Actual payments for FY77 and FY78 were not available at the time this analysis was conducted.

*** Projected trend is decreasing.

Table C2

District Least Squares Equations

	a_0	a_1	R^2
Albuquerque	-8853130.80	4489.90	.4318
Omaha	-2163961.00	1099.00	.8395
Nashville	2247126.10	-1136.80	.5921
Rock Island	-698665.20	356.50	.2042
Seattle	-1291899.40	656.40	.7800
Tulsa	-747496.60	380.90	.9039
N. Central	-7591136.67	3849.33	1.000
Louisville	-1298722.80	659.90	.9670
Kansas City	-371462.00	189.50	.1711
Portland	-3633439.80	1843.50	.6378
Savannah	-362836.80	185.20	.1399
Walla Walla	-1353701.80	687.60	.7677
St. Louis	-149688.60	77.00	.9073
Mobile	-3852076.86	1965.77	.0045
Ft. Worth	-956192.40	485.70	.7098
New Orleans	-1798498.66	913.03	.7642
Huntington	-1107841.80	562.40	.9737
Philadelphia	-1500911.20	761.40	.9751
Baltimore	-2531477.80	1283.90	.9916
Memphis	343184.33	-173.67	1.000
Los Angeles	-4897421.55	2482.08	.8857
New England	-43521.20	221.00	1.000
Galveston	453890.00	-230.00	1.000
Sacramento	-3119580.65	1582.10	.3391
Norfolk	2353186.54	-1191.08	.7618
Vicksburg	1223866.70	-618.49	.3488
Pittsburgh	-6259882.64	3174.05	.6029
Alaska	-4471605.00	2266.00	1.000
Little Rock	168230.00	-85.00	1.000
New York	-1515034.00	769.00	1.000
POD	NOT	POSSIBLE TO	CALCULATE

Projection Value = $a_1X + a_0$

where X = value of projection year

Table C3

AMD District Payments FY72 to FY76

AMD-DISTRICT	FISCAL YEAR				
	72	73	74	75	76
ALASKA				1859	3003
ALBUQUERQUE	400			2624	28396
BALTIMORE	645	708	724	1764	829
FT. WORTH	909	951	1400	50	470
GALVESTON					
HUNTINGTON	738	615	784	1679	940
KANSAS CITY	459	455	434	414	353
LITTLE ROCK					
LOS ANGELES		500			
LOUISVILLE	949	155	790	654	592
MEMPHIS					
MOBILE					392
NASHVILLE			463		842
NEW ENGLAND					
NEW ORLEANS	425	689	1029	1293	1165
NEW YORK		819			
NORFOLK	228			510	
NORTH CENTRAL		3598	1029		5292
OMAHA		500	812	1821	2588
PACIFIC	240				
PHILADELPHIA	652	1704	778	542	932
PITTSBURGH					
PORTLAND		2427	1876	1089	988
ROCK ISLAND	813	1093	748	389	234
SACRAMENTO					2028
SAVANNAH	56	113	290	544	608
SEATTLE	1029	682	905	624	
ST. LOUIS	1405	74	115	212	291
TULSA	505	1047	697	1244	1586
VICKSBURG				197	315
WALLA WALLA	646	752	1926	3162	4536
GRAND TOTAL	565	1138	879	1001	1147

Table C4

AMB District Payments FY72 to FY76

AMB-DISTRICT	FISCAL YEAR				
	72	73	74	75	76
ALASKA					11994
ALBUQUERQUE	1468				
BALTIMORE	814	717	695	5893	9936
FT. WORTH	1000	478			790
GALVESTON					
HUNTINGTON	519	382	3157	2969	4607
KANSAS CITY		57	486	4569	759
LITTLE ROCK	420				
LOS ANGELES		657			
LOUISVILLE	453	1155	3692	5782	345
MEMPHIS					
MOBILE			103000		931
NASHVILLE			652	233	433
NEW ENGLAND		258			
NEW ORLEANS			1460		
NEW YORK					
NORFOLK					
NORTH CENTRAL					
OMAHA		25618	184010	5180	4210
PACIFIC	3527				
PHILADELPHIA	500	1500	193	1032	1612
PITTSBURGH					16500
PORTLAND			203		303
ROCK ISLAND		7747	7999	10568	1085
SACRAMENTO		2076			
SAVANNAH			343	410	150
SEATTLE	947	6466	334		
ST. LOUIS	1500		759		557
TULSA	450	22	42		
VICKSBURG					
WALLA WALLA	75	6500	6875	1902	
GRAND TOTAL	777	1138	4167	17447	3462

Table C5

AMF District Payments FY72 to FY76

AMF-DISTRICT	FISCAL YEAR				
	72	73	74	75	76
ALASKA					
ALBUQUERQUE				400	
BALTIMORE		4315	2631	2500	
FT. WORTH	322	645	932	388	315
GALVESTON					
HUNTINGTON	170	225	1020	407	100
KANSAS CITY	267	186	788	2312	2133
LITTLE ROCK					
LOS ANGELES					
LOUISVILLE	327	161	233	507	1628
MEMPHIS					
MOBILE	10000				
NASHVILLE			400	378	1066
NEW ENGLAND					
NEW ORLEANS	350	193	132	226	336
NEW YORK					
NORFOLK				293	
NORTH CENTRAL					
OMAHA	2237			628	2036
PACIFIC					
PHILADELPHIA		875			2642
PITTSBURG					
PORTLAND		404	1749	1364	
ROCK ISLAND		430	496	439	1379
SACRAMENTO					840
SAVANNAH	117	315	1079	833	344
SEATTLE		905	500		
ST. LOUIS			174	418	757
TULSA	236	97	205	205	
VICKSBURG					
WALLA WALLA			5093	569	
GRAND TOTAL	815	592	1090	1095	1271

Table C6

FMD District Payments FY72 to FY76

FMD-DISTRICT	FISCAL YEAR				
	72	73	74	75	76
ALASKA				407	475
ALBUQUERQUE	339	412	456		
BALTIMORE	378	414	418	419	450
FT. WORTH	380	413	389	379	382
GALVESTON	330	100			
HUNTINGTON	440	434	440	452	436
KANSAS CITY	462	482	472	460	466
LITTLE ROCK	380		440		
LOS ANGELES					500
LOUISVILLE	451	414	431	434	419
MEMPHIS		380			4
MOBILE	385	410			500
NASHVILLE		455	422	392	408
NEW ENGLAND	290	351			
NEW ORLEANS	500	377	404	361	373
NEW YORK	338	320			
NORFOLK		432		380	
NORTH CENTRAL					
OMAHA	400	422	438	412	438
PACIFIC	200				
PHILADELPHIA	424	423	337	446	441
PITTSBURG	348			403	
PORTLAND	428	443	441	401	356
ROCK ISLAND	460	469	471	458	431
SACRAMENTO	299	279		440	428
SAVANNAH	394	377	376	382	434
SEATTLE	416	425	387		
ST. LOUIS	411	455	455	475	452
TULSA	452	470	470	473	475
VICKSBURG	500				397
WALLA WALLA	428	430	417	380	315
GRAND TOTAL	406	416	436	433	428

Table C7

FMB District Payments FY72 to FY76

FMB-DISTRICT	72	73	74	75	76
ALASKA					
ALBUQUERQUE	4492				
BALTIMORE	2500	2652	3413	3332	6570
FT. WORTH	2500			2500	2500
GALVESTON					
HUNTINGTON	3555	2930	3610	3432	3838
KANSAS CITY			4112	2500	2706
LITTLE ROCK					
LOS ANGELES					
LOUISVILLE	2500	5435	6778	4292	
MEMPHIS					
MOBILE					2500
NASHVILLE				2500	2500
NEW ENGLAND		2500	6250		
NEW ORLEANS		2500		6250	4888
NEW YORK					
NORFOLK					
NORTH CENTRAL					
OMAHA		9737	490	3909	3724
PACIFIC					
PHILADELPHIA		522	3823	3762	5338
PITTSBUREG				7768	
PORTLAND			2500	2877	3658
ROCK ISLAND	2500	2500	3314	2500	3741
SACRAMENTO		3611			
SAVANNAH		2500	2500	2500	2500
SEATTLE	3212	5595	3750		
ST. LOUIS	2983	4375			
TULSA	2500	3525	2500	3012	3661
VICKSBURG					425
WALLA WALLA		6250	2125	8366	10000
GRAND TOTAL	2967	3771	3742	3618	4048

Table C8

FMF District Payments FY72 to FY76

FMF-DISTRICT	FISCAL YEAR 72	73	74	75	76
ALASKA					
ALBUQUERQUE					
BALTIMORE	2500	3286	2448	2723	5232
FT. WORTH	2823	2531	2760	2829	3456
GALVESTON					
HUNTINGTON	3571	2842	2922	2500	2578
KANSAS CITY	2728	4576	2972	3432	4152
LITTLE ROCK					
LOS ANGELES					
LOUISVILLE	2967	3079	3551	3413	3567
MEMPHIS					
MOBILE					
NASHVILLE			2500	2500	2500
NEW ENGLAND					
NEW ORLEANS	2687	2526	3056	3469	4021
NEW YORK					
NORFOLK					
NORTH CENTRAL					
OMAHA	2750	6425	6019	5144	7822
PACIFIC					
PHILADELPHIA	2509	2500	7320	6577	8030
PITTSBURG				2500	
PORTLAND		2500	2500	2500	
ROCK ISLAND	3949	2964	2916	5189	3951
SACRAMENTO		82		10000	2500
SAVANWAH	2749	4181	5818	4562	2932
SEATTLE	2500		2500		
ST. LOUIS	2506	2688	2576	2821	4115
TULSA	3498	2779	3274	4177	3545
VICKSBURG					
WALLA WALLA	2500	4413	3750		
GRAND TOTAL	3164	3215	3261	3505	3639

Table C9

SB District Payments FY72 to FY76

SB-DISTRICT	FISCAL YEAR 72	73	74	75	76
ALASKA					245
ALBUQUERQUE	117				
BALTIMORE	187	250	902		221
FT. WORTH		105			255
GALVESTON					
HUNTINGTON					500
KANSAS CITY			146	500	500
LITTLE ROCK	30				
LOS ANGELES		328			
LOUISVILLE	20		4297	1874	500
MEMPHIS					
MOBILE					
NASHVILLE				241	174
NEW ENGLAND					
NEW ORLEANS					
NEW YORK					
NORFOLK					
NORTH CENTRAL					
OMAHA			500	500	559
PACIFIC					
PHILADELPHIA		250			154
PITTSBURG					
PORTLAND			211		
ROCK ISLAND		35			
SACRAMENTO		47			
SAVANNAH					
SEATTLE		1447	274		
ST. LOUIS					
TULSA					
VICKSBURG					
WALLA WALLA			431		
GRAND TOTAL	88	373	1346	1234	333

Table C10

SF District Payments FY72 to FY76

SF-DISTRICT	FISCAL YEAR				
	72	73	74	75	76
ALASKA					
ALBUQUERQUE					
BALTIMORE			2693	2500	
FT. WORTH	408	1094		500	408
GALVESTON					
HUNTINGTON			1100		
KANSAS CITY			519	1120	702
LITTLE ROCK					
LOS ANGELES					
LOUISVILLE	380	40	281	265	
MEMPHIS					
MOBILE					
NASHVILLE				311	
NEW ENGLAND					
NEW ORLEANS					
NEW YORK					
NORFOLK					
NORTH CENTRAL					
OMAHA	475			628	669
PACIFIC					
PHILADELPHIA		500			500
PITTSBURG					
PORTLAND		492	500	500	
ROCK ISLAND			101		500
SACRAMENTO					500
SAVANNAH					
SEATTLE					
ST. LOUIS				500	97
TULSA	169				
VICKSBURG					
WALLA WALLA			500		
GRAND TOTAL	371	643	892	785	525

Table C11

RH District Payments FY72 to FY76

RH-DISTRICT	FISCAL YEAR				
	72	73	74	75	76
ALASKA				11263	13938
ALBUQUERQUE	5104	9847	15000		
BALTIMORE	1115	2693	5683	7260	2602
FT. WORTH	1872	2306	2912	3393	2794
GALVESTON					
HUNTINGTON	1439	2346	2641	3282	4280
KANSAS CITY	2010	3279	2961	3691	3848
LITTLE ROCK					
LOS ANGELES			758		4758
LOUISVILLE	3458	3845	3750	4443	5720
MEMPHIS					
MOBILE		1292			
NASHVILLE		7000	4500	3709	2395
NEW ENGLAND					
NEW ORLEANS			9324	9556	8568
NEW YORK					
NORFOLK	9710	4366			
NORTH CENTRAL					8319
OMAHA	4257	2755	5355	10255	13840
PACIFIC					
PHILADELPHIA		4572	4565	6015	7796
PITTSBURG	897			1104	
PORTLAND		8207	12017	12852	13420
ROCK ISLAND	4487	6074	7660	12597	11272
SACRAMENTO		6423			12249
SAVANNAH	3593	7348	5273	4374	5243
SEATTLE	3917	3723		4000	
ST. LOUIS	1994	2673	3605	2887	4580
TULSA	3695	5613	4728	5100	6197
VICKSBURG	4025				6459
WALLA WALLA	6019	10500	2308		
GRAND TOTAL	2944	3847	4966	6903	8285

Table C12

IIC District Payments FY72 to FY76

IIC-DISTRICT	FISCAL YEAR				
	72	73	74	75	76
ALASKA					
ALBUQUERQUE					
BALTIMORE	351		436	497	394
FT. WORTH	2086			271	
GALVESTON					
HUNTINGTON	87	279	730	1184	2726
KANSAS CITY	1420	890	1065	901	1485
LITTLE ROCK					
LOS ANGELES					2360
LOUISVILLE	2257	1126	250	239	693
MEMPHIS					
MOBILE					
NASHVILLE				42	
NEW ENGLAND					
NEW ORLEANS			434		
NEW YORK					
NORFOLK					
NORTH CENTRAL					1546
OMAHA		140	2586	673	
PACIFIC					
PHILADELPHIA	2037	680	690	783	934
PITTSBURG					
PORTLAND		450	68	379	367
ROCK ISLAND					174
SACRAMENTO		6			
SAVANNAH		434	294	1544	1226
SEATTLE	800				
ST. LOUIS	137	4158	140	388	324
TULSA	622	1029	622	142	1089
VICKSBURG					
WALLA WALLA		412			
GRAND TOTAL	1295	1093	823	730	1019

Table C13

CC District Payments FY72 to FY76

CC-DISTRICT	FISCAL YEAR 72	73	74	75	76
ALASKA					
ALBUQUERQUE	34				
BALTIMORE	274	314	394	467	330
FT. WORTH	144	121	113	107	161
GALVESTON					
HUNTINGTON	139	137	212	301	194
KANSAS CITY	59	71	105	61	83
LITTLE ROCK					
LOS ANGELES		619	582		74
LOUISVILLE	172	112	61	64	108
MEMPHIS					
MOBILE	266	120			678
NASHVILLE		60	28	65	137
NEW ENGLAND					
NEW ORLEANS			335	383	328
NEW YORK	389				
NORFOLK	139	213		108	
NORTH CENTRAL					500
OMAHA		182	313	153	570
PACIFIC					
PHILADELPHIA	344	467	478	653	565
PITTSBURG	266			2000	
PORTLAND		80	89	348	110
ROCK ISLAND	90	45	690	51	109
SACRAMENTO	251	149			235
SAVANNAH	202	375	290	345	662
SEATTLE	15	170			
ST. LOUIS	46	92	63	137	206
TULSA	57	54	82	100	137
VICKSBURG	326		-	294	220
WALLA WALLA	37	179		333	333
GRAND TOTAL	118	173	239	300	281

Table C14

SRP District Payments FY72 to FY76

SRP-DISTRICT	FISCAL YEAR				
	72	73	74	75	76
ALASKA				4000	3200
ALBUQUERQUE			1224		
BALTIMORE		1186	1035	2119	3280
FT. WORTH	460	653	750	2002	3168
GALVESTON					
HUNTINGTON	240	669	934	2159	2830
KANSAS CITY	480	300	568	2015	2500
LITTLE ROCK					
LOS ANGELES					
LOUISVILLE	240	685	1178	2151	3451
MEMPHIS		480			30
MOBILE					
NASHVILLE			720	1868	2352
NEW ENGLAND		724			
NEW ORLEANS		498	2741	2301	2446
NEW YORK	1440	1869			
NORFOLK				2176	
NORTH CENTRAL					
OMAHA			2480	1675	2740
PACIFIC		260			
PHILADELPHIA		936	1273	3143	3429
PITTSBURG					
PORTLAND	480	2290	660	3461	3782
ROCK ISLAND		1008	1388	2846	3213
SACRAMENTO	997	615			4000
SAVANNAH		1823	1233	2755	2239
SEATTLE	420	736	2400		
ST. LOUIS	240	976	960	1620	
TULSA	1320	970	1469	2057	2413
VICKSBURG					
WALLA WALLA		459	1091	2434	2820
GRAND TOTAL	665	979	1111	2265	3156

Table C15

DP District Payments FY72 to FY76

DP-DISTRICT	FISCAL YEAR 72	73	74	75	76
ALASKA				4000	
ALBUQUERQUE			333	2592	
BALTIMORE	2204	1879	2696	3156	3167
FT. WORTH	2154	2338	2332	2613	2632
GALVESTON					
HUNTINGTON	2050	1980	2544	2235	2644
KANSAS CITY	1117	2520	2347	2816	3075
LITTLE ROCK					
LOS ANGELES					
LOUISVILLE	2163	2635	2812	2770	2885
MEMPHIS					
MOBILE	2000	3135			
NASHVILLE		2780	6000	1684	2472
NEW ENGLAND	1240				
NEW ORLEANS			2034	2212	2020
NEW YORK	2388				
NORFOLK					
NORTH CENTRAL					
OMAHA		2138	1980	3393	3950
PACIFIC					
PHILADELPHIA		2792	3243	3720	3803
PITTSBURG					
PORTLAND		2625	3924	3883	3502
ROCK ISLAND	2041	2247	2442	3137	1172
SACRAMENTO		3445		4000	
SAVANNAH	1445	500	877	2078	3188
SEATTLE	3295	2376	2776		
ST. LOUIS	1800	1986	2113	2114	
TULSA	2688	3031	2948	3207	3286
VICKSBURG					
WALLA WALLA	1142	720		4000	
GRAND TOTAL	2027	2463	2643	3063	3323

Table C16

GT District Payments FY72 to FY76

GT-DISTRICT	FISCAL YEAR				
	72	73	74	75	76
ALASKA				3745	6011
ALBUQUERQUE	2221	10259	5975	2808	28396
BALTIMORE	512	1483	2797	4478	5434
FT. WORTH	1531	1671	3424	2952	3319
GALVESTON	330	100			
HUNTINGTON	1392	1588	2227	2948	3524
KANSAS CITY	1451	3454	2642	2765	2743
LITTLE ROCK	610		440		
LOS ANGELES		754	670		7692
LOUISVILLE	2823	3003	3912	4474	5387
MEMPHIS		540			19
MOBILE	5101	2392	103000		965
NASHVILLE		5375	1564	1518	1601
NEW ENGLAND	600	821			
NEW ORLEANS	7073	1624	4658	5371	4748
NEW YORK	1434	2203			
NORFOLK	5152	2039		1192	
NORTH CENTRAL		3598			15146
OMAHA	3972	4004	4320	7120	7909
PACIFIC	389				
PHILADELPHIA	529	1447	1868	3117	3501
PITTSBURG	825			2916	16500
PORTLAND	524	3285	8320	3266	6751
ROCK ISLAND	4387	4048	5106	7189	4599
SACRAMENTO	583	1575		4960	6811
SAVANNAH	2643	2968	1990	2172	3967
SEATTLE	2308	3738	3354	4624	
ST. LOUIS	1691	2685	2462	2581	2128
TULSA	3714	3818	4650	4581	5237
VICKSBURG	4688			392	3189
WALLA WALLA	2010	2917	4494	3543	5135
GRAND TOTAL	1486	2304	3227	4265	4696

Table C17

FY72 Relocation Payments, by District

FY72 RELOCATION PAYMENTS, BY DISTRICT - SUMMARY OF AVERAGE PAYMENTS

DISTRICT	ACTUAL MOVING DWELL	BUS	FARM	FIXED MOVING DWELL	BUS	FARM	SEARCHING BUS	FARM	REPLCE HOUSNG	INCR INTRST	CLOSING COST	RENTAL PAYMNT	DOWN	TOTAL
ALASKA														
ALBUQUERQUE	400	1468		339	4492		117		5104		34			2221
BALTIMORE	645	814		378	2500	2500	187		1115	351	274		2204	512
FT. WORTH	909	1000	322	380	2500	2823		408	1872	2086	144	460	2154	1531
GALVESTON				330										330
HUNTINGTON	738	519	170	440	3555	3571			1439	87	139	240	2050	1392
KANSAS CITY	459		267	462		2728			2010	1420	59	480	1117	1451
LITTLE ROCK		420		360			30							510
LOS ANGELES														
LOUISVILLE	949	453	327	451	2500	2967	20	380	3458	2257	172	240	2163	2823
MEMPHIS														
MOBILE			10000	385							266		2000	5101
NASHVILLE														
NEW ENGLAND				290									1240	600
NEW ORLEANS	425		350	500		2687								7073
NEW YORK				338							389	1440	2388	1434
NORFOLK	228								9710		139			5152
NORTH CENT														
OMAHA			2237	400		2750		475	4257					3972
PACIFIC	240	3527		200										389
PHILADELPHIA	652	500		424		2509				2037	344			529
PITTSBURGH				348					897		266			625
PORTLAND				428								480		524
ROCK ISLAND	813			460	2500	3949			4487		90		2041	4387
SACRAMENTO				299							251	997		583
SAVANNAH	56		117	394		2749			3593		202		1445	2643
SEATTLE	1029	947		416	3212	2500			3917	800	15	420	3295	2308
ST. LOUIS	1405	1500		411	2983	2506			1994	137	46	240	1800	1491
TULSA	505	450	236	452	2500	3498		169	3695	622	57	1320	2688	3714
VICKSBURG				500					4025		326			4488
WALLA WALLA	646	75		428		2500			6019		37		1142	2010
GRAND TOTAL	565	777	815	406	2967	3164	88	371	2944	1295	118	665	2027	1486

Table C18

FY73 Relocation Payments, by District

FY73 RELOCATION PAYMENTS, BY DISTRICT - SUMMARY OF AVERAGE PAYMENTS

DISTRICT	ACTUAL MOVING DWELL	BUS	FARM	FIXED MOVING DWELL	BUS	FARM	SEARCHING BUS	FARM	REPLCE HOUSNG	INCR INTRST	CLOSING COST	RENTAL PAYMNT	DOWN	TOTAL
ALASKA														
ALBUQUERQUE				412					9847					10259
BALTIMORE	709	717	4315	414	2652	3286	250		2693		314	1186	1879	1483
FT. WORTH	951	478	645	413		2531	105	1094	2306		121	653	2338	1471
GALVESTON				100										100
HUNTINGTON	615	382	225	434	2930	2842			2346	279	137	669	1980	1588
KANSAS CITY	455	57	186	482		4576			3279	890	71	300	2520	3454
LITTLE ROCK														
LOS ANGELES	500	657					328				619			754
LOUISVILLE	155	1155	161	414	5435	3079		40	3845	1126	112	685	2635	3003
MEMPHIS				380								480		540
MOBILE				410					1292		120		3135	2392
NASHVILLE				455					7000		60		2780	5375
NEW ENGLAND		258		531	2500							724		821
NEW ORLEANS	689		193	377	2500	2526						498		1424
NEW YORK	819			320								1869		2203
NORFOLK				432					4366		213			2039
NORTH CENT	3598													3598
OMAHA	500	25618		422	9737	6425			2755	140	182	260	2138	4066
PACIFIC														
PHILADELPHIA	1704	1500	875	423	522	2500	250	500	4572	680	467	936	2792	1447
PITTSBURGH														
PORTLAND	2427		404	443		2500		492	8207	450	80	2280	2625	3285
ROCK ISLAND	1083	7747	430	469	2500	2964	35		6074		45	1008	2247	4048
SACRAMENTO		2076		279	3611	82	47		6423	6	149	615	3445	1575
SAVANNAH	113		315	377	2500	4181			7348	434	375	1823	500	2068
SEATTLE	682	6466	905	425	5595		1447		3723		170	736	2376	3738
ST. LOUIS	74			455	4375	2688			2673	4158	92	976	1986	2485
TULSA	1047	22	97	470	3525	2779			5613	1029	54	970	3031	3818
VICKSBURG														
WALLA WALLA	752	6500		430	6250	4413			10500	412	179	459	720	2917
GRAND TOTAL	1138	3439	592	416	3771	3215	373	643	3847	1093	173	979	2463	2304

Table C19

FY74 Relocation Payments, by District

FY74 RELOCATION PAYMENTS, BY DISTRICT - SUMMARY OF AVERAGE PAYMENTS

DISTRICT	ACTUAL MOVING DWELL	BUS	FARM	FIXED MOVING DWELL	BUS	FARM	SEARCHING BUS	FARM	REPLCE HOUSNG	INCR INTRST	CLOSING COST	RENTAL PAYMNT	DOWN	TOTAL
ALASKA														
ALBUQUERQUE				456					15000			1224	333	5475
BALTIMORE	724	695	2631	418	3414	2446	902	2693	5683	436	394	1035	2696	2797
FT. WORTH	1400		932	368		2760			2912		113	750	2332	3424
GALVESTON														
HUNTINGTON	784	3157	1020	440	3610	2922		1100	2641	730	212	934	2544	2227
KANSAS CITY	434	486	788	472	4112	2972	146	519	2961	1065	105	568	2367	2642
LITTLE ROCK				440										440
LOS ANGELES									758		582			670
LOUISVILLE	790	3692	233	431	6778	3551	4297	281	3750	250	61	1178	2812	3912
MEMPHIS														
MOBILE		103000												103000
NASHVILLE	463	652	400	422		2500			4500		28	720	6000	1564
NEW ENGLAND														
NEW ORLEANS	1029	1460	132	404	6250	3056			9324	434	335	2741	2034	4458
NEW YORK														
NORFOLK														
NORTH CENT														
OMAHA	812	1840		438	490	6019	500		5355	2586	313	2480	1980	4320
PACIFIC														
PHILADELPHIA	778	193		337	3823	7320			4565	690	478	1273	3243	1868
PITTSBURGH														
PORTLAND	1876	203	1749	441	2500	2500	211	500	12017	68	89	660	3924	8320
ROCK ISLAND	748	7999	496	471	3314	2916		101	7660		690	1388	2442	5106
SACRAMENTO														
SAVANNAH	290	343	1079	376	2500	5818			5273	2941	290	1233	877	1990
SEATTLE	906	334	500	387	3750	2500	276					2400	2776	3354
ST. LOUIS	115	759	174	455		2576			3605	140	63	960	2113	2662
TULSA	697	42	205	470	2500	3274			4728	622	82	1469	294	4450
VICKSBURG														
WALLA WALLA	1926	6875	5093	417	2125	3750	431	500	2308			1091		4496
GRAND TOTAL	879	4167	1090	436	3742	3261	1346	892	4966	823	238	1111	2643	3927

Table C20

FY75 Relocation Payments, by District

FY75 RELOCATION PAYMENTS, BY DISTRICT - SUMMARY OF AVERAGE PAYMENTS

DISTRICT	ACTUAL MOVING DWELL	BUS	FARM	FIXED MOVING DWELL	BUS	FARM	SEARCHING BUS	FARM	REPLCE HOUSNG	INCR INTRST	CLOSING COST	RENTAL PAYMNT	DOWN	TOTAL
ALASKA	1459			407					11263			4000	4000	3745
ALBUQUERQUE	2624		400										2592	2808
BALTIMORE	764	5893	2500	419	3332	2723		2500	7260	497	467	2119	3156	4478
FT. WORTH	50		388	379	2500	2829		500	3393	271	107	2002	2613	2952
GALVESTON														
HUNTINGTON	1679	2969	407	452	3432	2500			3282	1184	301	2159	2235	2948
KANSAS CITY	414	4569	2312	460	2500	3432	500	1120	3691	901	61	2015	2816	2765
LITTLE ROCK														
LOS ANGELES														
LOUISVILLE	654	5782	507	434	4292	3413	1874	265	4443	239	64	2151	2770	4474
MEMPHIS														
MOBILE														
NASHVILLE		233	378	392	2500	2500	241	311	3709	42	65	1868	1684	1518
NEW ENGLAND														
NEW ORLEANS	1293		226	361	6250	3469			9556		383	2301	2212	5371
NEW YORK														
NORFOLK	510		293	380							108	2176		1192
NORTH CENT														
OMAHA	1821	105180	628	412	3909	5144	500	628	10255	673	153	1675	3393	7120
PACIFIC														
PHILADELPHIA	542	1032		446	3762	6577			6015	783	653	3143	3720	3117
PITTSBURGH				403	7768	2500			1104		2000			2916
PORTLAND	1089		1364	401	2877	2500		500	12652	379	348	3461	3883	3256
ROCK ISLAND	389	10568	438	458	2500	5189			12597		51	2846	3137	7189
SACRAMENTO				440		10000							4000	4960
SAVANNAH	544	410	833	382	2500	4562			4374	1544	345	2755	2078	2172
SEATTLE	624								4000					4424
ST. LOUIS	212		418	475		2821		500	2887	388	137	1620	2114	2581
TULSA	1244		205	473	3012	4177			5100	142	100	2057	3207	4581
VICKSBURG	197										294			362
WALLA WALLA	3162	1902	569	380	8366						333	2434	4000	3543
GRAND TOTAL	1001	17447	1095	433	3618	3505	1234	785	6903	730	300	2265	3063	4265

Table C21

FY76 Relocation Payments, by District

FY76 RELOCATION PAYMENTS, BY DISTRICT - SUMMARY OF AVERAGE PAYMENTS

DISTRICT	ACTUAL MOVING DWELL	BUS	FARM	FIXED MOVING DWELL	BUS	FARM	SEARCHING BUS	FARM	REPLCE HOUSNG	INCR INTRST	CLOSING COST	RENTAL PAYMNT	DOWN	TOTAL
ALASKA	3003	11994		475			245		13938			3200		4011
ALBUQUERQUE	28396													28396
BALTIMORE	829	9936		450	6570	5232	221		2602	394	330	3280	3167	5434
FT. WORTH	470	790	315	382	2500	3456	255	408	2794		161	3168	2632	3319
GALVESTON														
HUNTINGTON	940	4607	100	436	3838	2578	500		4240	2726	194	2830	2644	3524
KANSAS CITY	353	759	2133	466	2706	4152	500	702	3848	1485	83	2500	3075	2743
LITTLE ROCK														
LOS ANGELES				500					4758	2360	74			7492
LOUISVILLE	592	345	1628	419		3567	500		5720	693	108	3451	2885	5367
MEMPHIS				4								30		19
MOBILE	392	931		500	2500						678			965
NASHVILLE	842	433	1066	408	2500	2500	174		2395		137	2352	2472	1401
NEW ENGLAND														
NEW ORLEANS	1165		336	373	4888	4021			8568		328	2446	2020	4748
NEW YORK														
NORFOLK														
NORTH CENT	5292								8319	1546	500			15148
OMAHA	2588	4210	2036	438	3724	7822	559	669	13840		570	2740	3950	7909
PACIFIC														
PHILADELPHIA	932	1612	2642	441	5338	8030	154	500	7796	934	565	3429	3803	3501
PITTSBURGH		16500												16500
PORTLAND	988	303		356	3658				13420	367	110	3782	3502	4751
ROCK ISLAND	234	1085	1379	431	3741	3951		500	11272	174	109	3213	1172	4599
SACRAMENTO	2028		840	428		2500		500	12249		235	4000		6411
SAVANNAH	608	150	344	434	2500	2932			5243	1226	662	2239	3188	3967
SEATTLE														
ST. LOUIS	291	557	757	452		4115		97	4580	324	206			2128
TULSA	1586			475	3661	3545			6197	1089	137	2413	3286	5237
VICKSBURG	315			397	425				6459		220			3169
WALLA WALLA	4536			315	10000						333	2820		5135
GRAND TOTAL	1147	3462	1271	428	4048	3639	333	525	8285	1019	281	3156	3323	4696

APPENDIX D:

NUMBER OF PAYMENTS, APPLICANTS, AND AMOUNTS
PAID BY DISTRICT FY72 TO FY76

The tables in this appendix (Tables D1 to D5) have the same format as Tables B1 to B5 in Appendix B, except the data are by District.

Table D1

FY72 Relocation Payments, by District

FY72 RELOCATION PAYMENTS, BY DISTRICT NUMBER OF PAYMENTS, TOTAL AMOUNT, AVERAGEPAYMENT

DISTRICT		ACTUAL MOVING DWELL	ACTUAL MOVING BUS	ACTUAL MOVING FARM	FIXED MOVING DWELL	FIXED MOVING BUS	FIXED MOVING FARM	SEARCHING BUS	SEARCHING FARM	REPLCE HOUSNG	INCR INTRST	CLOSING COST	RENTAL PAYMNT	DOWN PAYMNT	TOTAL AVERAGE
ALBUQUER	#	2	2		9	1		2		3		2			12
QUE	$	800	2936		3050	4492		234		15311		68			26457
	AVE	400	1468		339	4492		117		5104		34			2221
BALTI	#	9	5		321	1	5	2		15	2	3		3	334
MORE	$	5806	4071		121428	2500	12500	373		16724	701	822		6612	171164
	AVE	645	814		378	2500	2500	187		1115	351	274		2204	512
FT WORTH	#	3	1	3	50	4	9		2	7	1	9	2	5	57
	$	2727	1000	966	18980	10000	25404		816	13103	2086	1297	920	10770	87253
	AVE	909	1000	322	380	2500	2823		408	1872	2086	144	460	2154	1531
GALVESTON	#				3										3
	$				990										990
	AVE				330										330
HUNTING	#	11	7	1	100	4	7			35	3	37	2	9	122
TON	$	8115	3634	170	44010	14218	25000			50359	262	5160	480	18451	169459
	AVE	738	519	170	440	3555	3571			1439	87	139	240	2050	1392
KANSAS	#	16		4	53		9			10	12	28	1	3	69
CITY	$	7344		1069	24500		24549			20095	17044	1662	480	3352	100095
	AVE	459		267	462		2728			2010	1420	59	480	1117	1451
LITTLE	#		2		1			2							2
ROCK	$		839		380			60							1219
	AVE		420		380			30							610
LOUIS	#	3	5	7	58	1	19	2	3	20	5	22	7	5	87
VILLE	$	2848	2266	2290	26129	2500	56378	39	1139	69155	11287	3774	1680	10816	189123
	AVE	949	453	327	451	2500	2967	20	380	3458	2257	172	240	2163	2923
MOBILE	#			1	2					1		2		1	3
	$			10000	770					2000		533		2000	15303
	AVE			10000	385					2000		266		2000	5101
NEW	#				4									1	4
ENGLAND	$				1160									1240	2400
	AVE				290									1240	600
NEW	#	2		1	1		2								4
ORLEANS	$	850		350	500		5373								7073
	AVE	425		350	500		2687								1415
NEW	#				16							2	5	4	16
YORK	$				5413							777	7200	9550	22940
	AVE				338							389	1440	2388	1434
NORFOLK	#	4								2		2			4
	$	911								19420		278			20689
	AVE	228								9710		139			5172
OMAHA	#			2	2		2		1	4					7
	$			4475	800		5500		475	17026					27801
	AVE			2237	400		2750		475	4257					3972

Table D1 (Cont'd)

PACIFAC DIVISION	#	11	1		10										21
	$	2635	3527		2000										8162
	AVE	240	3527		200										389
PHILADEL PHIA	#	12	1		89		2				1	7			105
	$	7825	500		37738		5018				2037	2405			55523
	AVE	652	500		424		2509				2037	344			529
PITTS BURGH	#				3					1		2			3
	$				1045					897		532			2474
	AVE				348					897		266			825
PORTLAND	#				5								1		5
	$				2140								480		2620
	AVE				428								480		524
ROCK ISLAND	#	1			27	1	24			12		10		5	40
	$	813			12425	2500	94785			53838		900		10204	175465
	AVE	813			460	2500	3949			4487		90		2041	4387
SACRAMEN TO	#				9							1	3		10
	$				2690							251	2990		5931
	AVE				299							251	997		593
SAVANNAH	#	3		3	19		8			8		9		2	24
	$	168		352	7480		21989			28741		1816		2890	63436
	AVE	56		117	394		2749			3593		202		1445	2643
ST. LOUIS	#	2	1		22	2	7			9	1	11	1	1	34
	$	2809	1500		9046	5966	17545			17950	137	501	240	1800	57494
	AVE	1405	1500		411	2983	2506			1994	137	46	240	1800	1691
SEATTLE	#	2	1		28	5	1			8	1	7	2	3	33
	$	2058	947		11640	16060	2500			31332	800	103	840	9886	76166
	AVE	1029	947		416	3212	2500			3917	800	15	420	3295	2308
TULSA	#	3	1	3	54	4	18	1	36	1	36	1	3		66
	$	1516	450	707	24395	10000	62971	169	133034	622	2050	1320	8065		245130
	AVE	505	450	236	452	2500	3498	169	3695	622	57	1320	2688		3714
VICKSBURG	#				2					2		1			2
	$				1000					8050		326			9376
	AVE				500					4025		326			4688
WALLA WALLA	#	3	1		20		3			4		10		5	24
	$	1939	75		1650		7500			24075		374		5710	48233
	AVE	646	75		83		2500			6019		37		1142	2010
GRAND TOTAL	#	67	28	25	908	23	116	8	7	177	27	201	25	50	1072
	$	49164	21745	20379	368269	68236	367012	706	2599	521110	34978	23629	16630	101346	1597496
	AVE	565	777	815	406	2967	3164	88	371	2944	1295	118	665	2027	1488

Table D2

FY73 Relocation Payments, by District

FY73 RELOCATION PAYMENTS, BY DISTRICT NUMBER OF PAYMENTS, TOTAL AMOUNT, AVERAGEPAYMENT

DISTRICT		ACTUAL MOVING DWELL	BUS	FARM	FIXED MOVING DWELL	BUS	FARM	SEARCHING BUS	FARM	REPLCE HOUSNG	INCR INTRST	CLOSING COST	RENTAL PAYMNT	DOWN PAYMNT	TOTAL AVEAGE
ALBUQUER	#				2					2					2
QUE	$				825					19694					20519
	AVE				412					9847					10259
BALTI	#	21	6	2	275	8	10	2		68		1	11	32	305
MORE	$	14872	4304	8631	113970	21221	32862	500		183154		314	13052	60131	452511
	AVE	708	717	4315	414	2652	3286	250		2693		314	1186	1879	1483
FT WORTH	#	3	4	6	33		5	4	3	8		6	3	6	42
	$	2854	1913	3870	13620		12655	420	3284	18453		727	1960	14031	78173
	AVE	951	478	645	413		2531	105	1094	2306		121	653	2338	1471
GALVESTON	#				1										1
	$				100										100
	AVE				100										100
HUNTING	#	12	1	1	155	9	4			42	3	43	29	21	176
TON	$	7382	382	225	67375	26366	11369			98561	837	5923	19405	41589	279414
	AVE	615	382	225	434	2930	2842			2346	279	137	669	1980	1588
KANSAS	#	11	1	6	57		19			31	8	36	1	12	76
CITY	$	5006	57	1119	27530		84952			101679	7124	2561	300	30243	262571
	AVE	455	57	186	482		4576			3279	890	71	300	2520	3454
LOS	#	1	1					2				3			4
ANGELES	$	500	657					657				1859			3014
	AVE	500	657					328				619			754
LOUIS	#	1	10	4	119	6	24		1	40	7	34	31	18	136
VILLE	$	155	11459	645	49309	32611	80078		40	153813	7880	3793	21232	47430	408405
	AVE	155	1155	161	414	5435	3079		40	3845	1126	112	685	2635	3003
MEMPHIS	#				3								1		3
	$				1140								480		1620
	AVE				380								480		540
MOBILE	#				2					2		2		3	8
	$				820					2584		240		9404	10138
	AVE				410					1292		120		3135	2192
NASHVILLE	#				2					1		1		1	2
	$				910					7000		60		2780	10750
	AVE				455					7000		60		2780	5375
NEW	#		1		6	1							2		9
ENGLAND	$		258		3185	2500							1448		7391
	AVE		258		531	2500							724		821

NEW YORK	#	1			35									36		3A
	$	819			11216									67288		79323
	AVE	819			320									1869		2203
NORFOLK	#				4					3		7				A
	$				1730					13100		1489				16318
	AVE				432					4366		213				2039
NORTH CEN	#	10														10
TRAL DIV	$	35986														35986
	AVE	3598														3598
OMAHA	#	1	2		26	1	5			6	1	4	3	6		34
	$	500	51237		11500	9737	32125			16530	140	727	780	12825		134139
	AVE	500	25618		422	9737	6425			2755	140	182	260	2138		4004
PHILADEL	#	19	2	2	129	87	2	2	1	21	5	45	9	29		351
PHIA	$	32372	3000	1750	54505	45380	5000	500	500	96009	3402	21025	8420	80965		371828
	AVE	1704	1500	875	423	522	2500	250	500	4572	680	467	936	2792		1447
PORTLAND	#	2		5	27		4		4	5	1	4	2	9		31
	$	4854		2020	11980		10000		1968	41035	3450	321	4560	23628		101448
	AVE	2427		404	443		2500		492	8207	3450	80	2280	2625		3385
ROCK	#	3	5	3	43	1	25	2		17		14	7	18		72
ISLAND	$	3249	38738	1290	20195	2500	74102	70		103261		633	7060	40448		291476
	AVE	1083	7747	430	469	2500	2964	35		6074		45	1008	2247		4048
SACRAMEN	#		12		84	5	1	6		7	1	9	43	3		95
TO	$		24920		23680	18056	82	287		44966	6	1347	26462	10335		149454
	AVE		2076		279	3611	82	47		6423	6	149	615	3445		1575
ST LOUIS	#	1			62	4	21			22	2	21	5	10		73
	$	74			28200	17500	56449			58797	8316	1935	4880	19882		194113
	AVE	74			455	4375	2688			2673	4158	92	976	1986		2485
SAVANNAH	#	6		5	30	1	9			9	1	8	7	1		46
	$	680		1575	11314	2500	37631			66132	434	3001	12761	500		136628
	AVE	113		315	377	2500	4181			7348	434	375	1823	500		2948
SEATTLE	#	3	5	2	14	2		4		6		1	1	7		25
	$	2048	32329	1810	5940	11191		5787		22576		170	736	16638		93438
	AVE	682	6466	905	425	5595		1447		3763		170	736	2376		3738
TULSA	#	4	1	3	79	9	25			35	3	36	20	11		184
	$	4188	22	292	37135	31732	69482			196470	3087	1949	19416	33344		397117
	AVE	1047	22	97	470	3525	2779			5613	1029	54	970	3031		3418
WALLA	#	5	2		13	2	5			1	1	2	5	2		25
WALLA	$	3764	13000		5590	12500	22065			10500	1412	359	2296	1440		72926
	AVE	752	6500		430	6250	4413			10500	1412	179	459	720		2917
GRAND	#	106	53	42	1299	53	180	22	9	326	33	279	218	189		1491
TOTAL	$	120681	182276	24864	541589	199889	578795	8221	5792	1254334	36088	48424	213532	465613		3666985
	AVE	1138	3439	592	416	3771	3215	373	643	3847	1093	173	979	2463		2384

Table D3

FY74 Relocation Payments, by District

FY74 RELOCATION PAYMENTS, BY DISTRICT- NUMBER OF PAYMENTS, TOTAL AMOUNT, AVERAGEPAYMENT

DISTRICT		ACTUAL MOVING DWELL	BUS	FARM	FIXED MOVING DWELL	BUS	FARM	SEARCHING BUS	FARM	REPLCE HOUSNG	INCR INTRST	CLOSING COST	RENTAL PAYMNT	DOWN PAYMENT	TOTAL AVERAGE
ALBUQUER	#				3					1			1	1	3
QUE	$				1370					15000			1224	333	17927
	AVE				456					15000			1224	333	5975
BALTI	#	19	6	8	199	11	15	3	4	54	6	63	33	28	229
MORE	$	13762	4170	21047	83097	37549	34729	2708	10771	306930	2736	24873	34181	75495	640519
	AVE	724	695	2631	418	3413	2448	902	2693	5683	456	394	1035	2696	2797
FT WORTH	#	1		3	32		38			8		8	6	9	50
	$	1400		2797	12430		104887			23296		911	4500	20990	171211
	AVE	1400		932	388		2760			2912		113	750	2332	3424
HUNTING	#	24	3	4	172	18	10		1	56	6	53	38	33	218
TON	$	18830	9471	4082	75755	64985	29228		1100	147901	4385	11267	35507	83972	485383
	AVE	784	3157	1020	440	3610	2922		1100	2641	730	212	934	2544	2227
KANSAS	#	28	11	8	147	2	54	3	7	58	25	69	11	30	209
CITY	$	12161	5356	14191	69450	8224	160522	439	3634	171739	26628	7246	6250	70419	552186
	AVE	434	486	788	472	4112	2972	146	519	2961	1065	105	568	2347	2642
LITTLE	#				1										1
ROCK	$				440										440
	AVE				440										440
LOS ANGE	#									1		1			2
LES	$									758		582			1340
	AVE									758		582			670
LOUISVI	#	9	8	11	81	7	27	4	4	30	3	20	13	19	103
LLE	$	7112	31701	2563	34985	47451	95888	17191	1126	112516	750	1223	15320	53433	402942
	AVE	790	3692	233	431	6778	3551	4297	281	3750	250	61	1178	2812	3912
MOBILE	#		1												1
	$		103000												103000
	AVE		103000												103000
NASHVIL	#	2	1	1	7		1			1		4	1	1	12
LE	$	926	652	400	2960		2500			4560		115	720	6000	18773
	AVE	463	652	400	422		2500			4560		28	720	6000	1564

Table D3 (Cont'd)

NEW ORL	#	46	3	2	23	2	12			25	3	24	3	6	79
FANS	$	47344	4382	264	9300	12500	36672			233105	1303	8050	8224	12202	364806
	AVE	1029	1460	132	404	6250	3056			9324	434	335	2741	2034	4558
OMAHA	#	5	3		33	1	12	1		12	2	11	2	10	45
	$	4064	5520		14455	490	72232	500		64261	5173	3442	4960	19805	194402
	AVE	812	1840		438	490	6019	500		5355	2586	313	2480	1980	4320
PHILADEL	#	17	4		237	14	4			37	9	53	23	25	272
PHIA	$	13222	771		79817	53517	29282			168905	6212	25323	29288	81063	504193
	AVE	778	193		337	3823	7320			4565	690	478	1273	3243	1858
PORTLAND	#	7	2	4	14	1	2	1	3	21	1	8	2	7	38
	$	13133	407	6996	6180	2500	5000	211	1500	252361	68	713	1320	27470	314148
	AVE	1876	203	1749	441	2500	2500	211	500	12017	68	89	660	3924	8320
ROCK IS	#	3	4	4	25	3	18		1	19		10	7	8	56
LAND	$	2245	31998	1984	11770	9942	52505		101	145552		698	9720	19543	285957
	AVE	748	7999	496	471	3314	2916		101	7660		69	1388	2442	5106
ST LOUIS	#	1	2	1	54		14			21	1	12	2	9	65
	$	115	1518	174	24600		34076			75706	140	758	1920	19014	160821
	AVE	115	759	174	455		2576			3605	140	63	960	2113	2442
SAVANNAH	#	5	1	2	40	2	4			7	2	10	10	4	52
	$	1450	343	2159	15059	5000	23272			36911	589	2904	12333	3509	103529
	AVE	290	343	1079	376	2500	5818			5273	294	290	1233	877	1990
SEATTLE	#	3	4	1	4	2	1	2					1	3	8
	$	2720	1339	500	1550	7500	2500	553					2400	8328	26837
	AVE	906	334	500	387	3750	2500	276					2400	2776	3354
TULSA	#	3	1	1	109	6	97			46	1	37	21	28	155
	$	2092	42	205	51255	15000	317652			217511	622	30048	30858	82563	720848
	AVE	697	42	205	470	2500	3274			4728	622	82	1469	2948	4650
WALLAWA	#	11	9	2	7	4	6	3	1	2			7		31
LLA	$	21193	61887	10187	2920	8500	22500	1295	500	4616			7639		139432
	AVE	1926	6875	5093	417	2125	3750	431	500	2308			1091		4498
GRAND	#	184	63	62	1188	73	315	17	21	399	59	383	181	221	1629
TOTAL	$	161769	262547	67549	518186	273158	1027445	22897	10732	1981568	48606	91173	201024	584139	5217164
	AVE	879	4167	1090	436	3742	3261	1346	892	4966	823	238	1111	2643	3203

Table D4

FY75 Relocation Payments, by District

FY75 RELOCATION PAYMENTS, BY DISTRICT- NUMBER OF PAYMENTS, TOTAL AMOUNT, AVERAGE PAYMENT

DISTRICT		ACTUAL MOVING DWELL	BUS	FARM	FIXED MOVING DWELL	BUS	FARM	SEARCHING BUS	FARM	REPLCE HOUSNG	INCR INTRST	CLOSING COST	RENTAL PAYMNT	DOWN PAYMNT	TOTAL AVERAGE
ALASKA	#	1			10					1			4	2	11
	$	1855			4070					11263			16000	8000	41192
	AVE	1859			407					11263			4000	4000	3745
ALBUQUER	#	1			1									1	2
QUE	$	2624			400									2592	5616
	AVE	2624			400									2592	2808
BALTIMORE	#	16	3	2	128	6	15	1		55	5	48	40	17	159
	$	12221	17680	5000	53619	19992	40841	2500		399321	2487	22411	84761	53646	711979
	AVE	764	5893	2500	419	3332	2723	2500		7260	497	467	2119	3156	4478
FORT	#	1		9	29	1	112			6	1	4	9	3	129
WORTH	$	50		3491	10985	2500	314825	4		20356	271	429	18022	7839	380768
	AVE	50		388	379	2500	2829	2000		3393	271	107	2002	2613	2952
HUNTING	#	23	4	1	208	13	32			61	4	47	72	31	244
TON	$	38617	11877	407	93975	44628	80000			200206	4737	20187	155474	69300	719408
	AVE	1679	2969	407	452	3432	2500			3282	1184	301	2159	2215	2948
KANSAS	#	73	4	16	140	3	47	1	5	55	14	62	19	27	236
CITY	$	30222	18276	36990	64395	7500	161297	500	5598	203018	12612	3804	38286	76036	652445
	AVE	414	4569	2316	460	2500	3432	500	1120	3691	901	61	2015	2816	2765
LOUIS	#	8	14	11	116	7	49	5	2	44	7	30	25	22	148
VILLE	$	5231	80954	5578	50385	30042	167235	9368	530	195501	1676	1917	53764	60960	653743
	AVE	654	5782	507	434	4292	3413	1874	265	4443	239	64	2151	2770	4474
NASHVILLE	#		2	3	57	1	2	1	1	8	1	15	12	3	59
	$		465	1133	22325	2500	5000	241	311	29668	42	949	22416	5052	89570
	AVE		233	378	392	2500	2500	241	311	3709	42	65	1868	1684	1518
NEW	#	18		1	13	2	18			15		10	6	2	50
ORLEANS	$	23291		226	4695	12500	62447			143347		3828	13807	4424	268545
	AVE	1293		226	361	6250	3469			9556		383	2301	2212	5371
NORFOLK	#	1		1	1							2	1		3
	$	510		293	380							216	2176		3575
	AVE	510		293	380							108	2176		1192
OMAHA	#	80	6	1	170	15	11	2	1	70	4	20	103	23	272
	$	145473	631082	628	70055	58640	56585	1000	628	717836	7691	3059	172481	78043	1936773
	AVE	1821	105180	628	412	3909	5144	500	628	10255	673	153	1675	3393	7120

Table D4 (Cont'd)

PHILADEL	#	92	6		204	17	4			53	14	66	62	40	306
PHIA	$	49881	6191		91010	63953	26308			318793	10962	43078	194850	148807	953833
	AVE	542	579		446	3762	6577			6015	783	653	3143	3720	3117
PITTS	#				3	1	1			1		1			5
BURGH	$				1210	7768	2500			1104		2000			14582
	AVE				403	7768	2500			1104		2000			2916
PORTLAND	#	25		2	59	15	1		1	58	5	16	21	10	194
	$	27217		2727	23680	43159	2500		500	745429	1893	5560	72672	38832	963689
	AVE	1089		1364	401	2877	2500		500	12852	379	348	3461	3883	4966
ROCK	#	2	1	2	21	1	18			14		2	4	8	46
ISLAND	$	778	10568	875	9620	2500	93409			176353		102	11385	25095	330685
	AVE	389	10568	438	458	2500	5189			12597		51	2846	3137	7189
SACRAMEN	#				2		1							1	3
TO	$				880		10000							4000	14880
	AVE				440		10000							4000	4960
SAVANNAH	#	7	1	1	54	1	9			6	5	18	14	3	71
	$	3808	410	833	20634	2500	41058			26242	7721	6206	38544	6233	154209
	AVE	544	410	833	382	2500	4562			4374	1544	345	2755	2078	2172
SEATTLE	#	1								1					1
	$	624								4000					4624
	AVE	624								4000					4624
ST LOUIS	#	11		3	16		9		1	10	2	7	4	3	66
	$	2336		1254	7600		25388		500	28872	775	960	6480	6343	80008
	AVE	212		418	475				500	2887	388	137	1620	2114	2581
TULSA	#	5		1	103	20	92			33	1	22	26	30	172
	$	6219		205	48725	60233	384285			168290	142	2191	53478	64137	787905
	AVE	1244		205	473	3012	4177			5100	142	100	2057	3207	4581
VICKSBURG	#	1										2			2
	$	197										587			784
	AVE	197										294			392
WALLA	#	7	4	1	6	3						1	8	1	23
WALLA	$	22136	7608	569	2280	25098						333	19472	4000	81496
	AVE	3162	1902	569	380	8366						333	2434	4000	3543
GRAND	#	373	44	55	1341	106	421	9	16	491	63	393	430	216	2975
TOTAL	$	373404	785111	60218	580923	3835131	475678	11109	12567	3389599	460091	17837	974088	661689	8849809
	AVE	1001	17447	1095	433	3618	3505	1234	785	6903	730	300	2265	3063	4745

Table D5

FY76 Relocation Payments, by District

FY76 RELOCATION PAYMENTS, BY DISTRICT NUMBER OF PAYMENTS, TOTAL AMOUNT, AVERAGE PAYMENT

DISTRICT		ACTUAL MOVING DWELL	BUS	FARM	FIXED MOVING DWELL	BUS	FARM	SEARCHING BUS	FARM	REPLCE HOUSNG	INCR INTRST	CLOSING COST	RENTAL PAYMNT	DOWN PAYMNT	TOTAL AVERAGE
ALASKA	#	3	2		24			1		8			2		27
	$	9010	23987		11400			245		111500			6400		162297
	AVE	3003	11994		475			245		13938			3200		6011
ALBU	#	1													1
QUERQUE	$	28396													28396
	AVE	28396													28396
BALTI	#	13	7		56	4	5	2		36	10	30	5	12	92
MORE	$	10779	69554		25225	26281	26160	442		273660	3944	9912	16400	38000	499915
	AVE	829	9936		450	6570	5232	221		7602	394	330	3280	3167	5434
FT.	#	5	2	4	16	1	50	1	3	7		3	1	1	44
WORTH	$	2351	1580	1259	6110	2500	172792	255	1225	19559		484	3168	2632	212435
	AVE	470	790	315	382	2500	3456	255	408	2794		161	3168	2632	3319
HUNTING	#	10	3	1	132	6	26	1		52	1	51	39	12	155
TON	$	9400	13820	100	57600	23029	67021	500		220503	2726	9909	110354	31727	546189
	AVE	940	4607	100	436	3838	2578	500		4240	2726	194	2830	2644	3524
KANSAS	#	38	3	7	88	3	35	1	4	33	9	30	4	10	149
CITY	$	13411	2277	14933	41029	8118	145336	500	2808	126982	13368	2497	10000	30754	408705
	AVE	353	759	2133	466	2706	4152	500	702	3848	1485	83	2500	3075	2743
LOS	#				1					1	1	1			1
ANGELES	$				500					4758	2360	74			7492
	AVE				500					4758	2360	74			7492
LOUIS	#	5	4	5	50		38	1		26	2	17	12	7	71
VILLE	$	2960	1381	8140	20925		136534	500		148727	1386	1836	41411	28197	382497
	AVE	592	345	1628	419		3567	500		5720	693	108	3451	2885	5387
MEMPHIS	#				4								2		6
	$				15								59		74
	AVE				4								30		19
MOBILE	#	3	1		1	1						1			6
	$	1178	931		500	2500						678			5787
	AVE		931		500	2500						678			965
NASH	#	3	7	3	38	1	5	1		7		11	5	5	51
VILLE	$	2527	3031	3198	15485	2500	12500	174		16768		1505	11760	12358	81632
	AVE	842	433	1066	408	2500	2500	174		2395		137	2352	2472	1601
NEW	#	12		1	19	1	18			15		14	4	5	53
ORLEANS	$	13977		336	7090	4888	72382			128521		4592	9782	10102	251470
	AVE	1165		336	373	4888	4021			8568		328	2446	2020	4748
NCD	#	4								4	3	3			4
	$	21168								33277	4638	1501			60584
	AVE	5292								8319	1546	500			15146

Table D5 (Cont'd)

PHILADEL	#	39	6	2	132	9	1	1	1	35	9	43	24	22	182
PHIA	$	36339	9670	5284	58230	48045	8030	154	500	272868	8403	24274	82307	83660	637109
	AVE	932	1612	2642	441	5338	8030	154	500	7796	934	565	3429	3803	3501
PITTS	#		1												1
BURGH	$		16500												16500
	AVE		16500												16500
PORTLAND	#	34	2		101	10				46	1	8	56	10	144
	$	33605	605		36005	36582				617297	367	882	211808	35024	972175
	AVE	988	303		356	3658				13420	367	110	3782	3502	6751
OMAHA	#	16	6	3	114	16	4	1	1	62		4	18	28	154
	$	41411	25260	6107	49920	59580	31288	559	669	858088		2281	49320	110600	1233855
	AVE	2588	4210	2036	438	3724	7822	559	669	13840		570	2740	3950	7909
ROCK	#	2	3	3	10	4	9		1	5	1	1	4	1	29
ISLAND	$	468	3254	4136	4310	14964	35559		500	56360	174	109	12851	1172	133357
	AVE	234	1085	1379	431	3741	3951		500	11272	174	109	3213	1172	4599
SACRA	#	3		2	5		2		1	4		1	1		8
MENTO	$	6083		1660	2140		5000		500	48995		235	4000		68113
	AVE	2028		840	428		2500		500	12249		235	4000		8511
ST LOUIS	#	16	2	4	7		10		1	4	1	3			34
	$	4652	1114	3028	3166		41146		97	18318	324	617			72365
	AVE	291	557	757	452		4115		97	4580	324	206			2128
SAVANNAH	#	4	1	4	23	1	10				4	8	4	3	32
	$	2432	150	1377	9985	2500	29323			52431	4905	5300	8954	9563	126938
	AVE	608	150	344	434	2500	2932			5243	1226	662	2239	3188	3967
TULSA	#	2			51	8	73			27	3	15	9	9	103
	$	3172			24240	29689	258799			167327	3267	20052	21720	29578	539644
	AVE	1586			475	3661	3545			6197	1089	137	2413	3286	5237
VICKS	#	7			6	1				6		4			14
BURG	$	2205			2380	425				38755		879			44444
	AVE	315			397	425				6459		220			3189
WALLA	#	2			2	1						1	2		5
WALLA	$	9071			630	10000						333	5640		25674
	AVE	4536			315	10000						333	2820		5135
CW-DA	#	200	50	37	831	64	285	10	11	378	37	234	187	117	1314
	$	216524	173114	44274	355305	248700	103370	3329	5799	3145289	35183	60317	586974	384806	6258856
	AVE	1083	3462	1197	428	3885	3643	333	527	8320	951	258	3139	3289	4766
GRAND	#	222	50	39	880	67	286	10	12	388	45	249	192	125	1388
TOTAL	$	254595	173114	49558	376885	271200	104870	3329	6299	3214694	45872	69950	605934	415367	6511839
	AVE	1147	3462	1271	428	4048	3639	333	525	8285	1019	281	3156	3323	4696

APPENDIX E:

DOCKET SHEET MASTERFILE ANALYSIS BY STATE,
SUMMARIZED BY PAYMENT TYPES

Table E3 summarizes all Docket Sheet transactions by state for the period FY72 to FY76 for those states in which 10 or more applicants were paid relocation costs. The following data also show all Docket Sheet actions to October 1976 by state (ST). The CODE heading (Tables E4 to E18) identifies the state by number. The numeric code is translated in Table E1. The SUM heading shows the amounts spent by each listed state for that payments type. The MEAN is the average payment value for that state. N indicates the number of payments made in that state.

Tables E4 to E18 are identified by CRITERION VARIABLE, e.g., AMD. The CRITERION VARIABLE code is translated in Table E2.

Table E1

State CODE Headings

STATE	CODE	STATE	CODE
Alabama	01	Nevada	32
Alaska	02	New Hampshire	33
Arizona	04	New Jersey	34
Arkansas	05	New Mexico	35
California	06	New York	36
Colorado	08	North Carolina	37
Connecticut	09	North Dakota	38
Delaware	10	Ohio	39
District of Columbia	11	Oklahoma	40
Florida	12	Oregon	41
Georgia	13	Pennsylvania	42
Hawaii	15	Rhode Island	44
Idaho	16	South Carolina	45
Illinois	17	South Dakota	46
Indiana	18	Tennessee	47
Iowa	19	Texas	48
Kansas	20	Utah	49
Kentucky	21	Vermont	50
Louisiana	22	Virginia	51
Maine	23	Washington	53
Maryland	24	West Virginia	54
Massachusetts	25	Wisconsin	55
Michigan	26	Wyoming	56
Minnesota	27		
Mississippi	28		
Missouri	29		
Montana	30		
Nebraska	31		

Table E2

The Criterion Variable Code

(Criterion Variable) Identifying Abbreviation	Payment Type
AMD	Actual Moving Costs - Dwelling
AMB	Actual Moving Costs - Business
AMF	Actual Moving Costs - Farm
FMD	Fixed Moving Costs - Dwelling
FMB	Fixed Moving Costs - Business
FMF	Fixed Moving Costs - Farm
DLB	Direct Loss - Business
DLF	Direct Loss - Farm
SB	Searching Cost - Business
SF	Searching Cost - Farm
RH	Replacement Housing
IIC	Increased Interest Cost
CC	Closing Cost
SRP	Rental Payment
DP	Down Payment

This is the order in which the following tables are arranged.

Table E3

Summarized Data From All Docket Sheets on the Master File,
by States That Have Made Payments to 10 or More Applicants

STATE	NUMBER OF APPLICABLE PROJECTS	PAYMENT SUM	NUMBER OF APPLICANTS	MEAN
ALABAMA	1	130,181	12	10,848
ALASKA	1	212,927	41	5,193
ARIZONA	0	-	-	-
ARKANSAS	0	-	-	-
CALIFORNIA	0	-	-	-
COLORADO	2	1,255,543	243	5,167
CONNECTICUT	0	-	-	-
DELAWARE	0	-	-	-
DISTRICT OF COLUMBIA	0	-	-	-
FLORIDA	0	-	-	-
GEORGIA	1	75,435	41	1,840
HAWAII	0	-	-	-
IDAHO	1	132,146	36	3,671
ILLINOIS	0	-	-	-
INDIANA	2	790,967	169	4,680
IOWA	1	200,332	49	4,088
KANSAS	4	931,970	203	4,591
KENTUCKY	7	988,801	238	4,155
LOUISIANA	7	643,281	141	4,562
MAINE	0	-	-	-
MARYLAND	0	-	-	-
MASSACHUSETTS	0	-	-	-
MICHIGAN	1	35,692	10	3,569
MINNESOTA	1	243,075	40	6,077
MISSISSIPPI	1	149,249	104	1,435
MISSOURI	7	1,797,215	806	2,230
MONTANA	1	183,053	64	2,860
NEBRASKA	2	1,992,743	276	7,220
NEVADA	0	-	-	-
NEW HAMPSHIRE	0	-	-	-
NEW JERSEY	2	811,776	414	1,961
NEW MEXICO	0	-	-	-
NEW YORK	0	-	-	-
NORTH CAROLINA	2	449,332	157	2,862
NORTH DAKOTA	1	84,326	11	7,666
OHIO	4	851,103	270	3,152
OKLAHOMA	8	2,088,675	424	4,926
OREGON	2	183,435	44	4,169
PENNSYLVANIA	6	3,591,598	1,658	2,166
RHODE ISLAND	0	-	-	-
SOUTH CAROLINA	0	-	-	-

Table E3 (Cont'd)

STATE	NUMBER OF APPLICABLE PROJECTS	PAYMENT SUM	NUMBER OF APPLICANTS	MEAN
SOUTH DAKOTA	0	-	-	-
TENNESSEE	0	-	-	-
TEXAS	4	1,118,830	412	2,716
UTAH	0	-	-	-
VERMONT	0	-	-	-
VIRGINIA	0	-	-	-
WASHINGTON	2	2,077,341	307	6,767
WEST VIRGINIA	4	1,696,884	636	2,668
WISCONSIN	1	652,503	93	7,016
WYOMING	0	-	-	-
TOTAL	76	23,369,045	6,899	3,387

(only 27 states have at least one project with 10 or more applicants)

Table E4

Criterion Variable -- AMD

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE AMD
BROKEN DOWN BY ST

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			934250.2300	994.9417	1662.6555	2764423.2739	(939)
ST	1.		1714.1000	428.5250	248.5900	61796.9692	(4)
ST	2.		10870.5100	2717.6275	823.5410	678219.7165	(4)
ST	5.		1130.0000	282.5000	187.5056	35158.3333	(4)
ST	6.		6083.9800	2027.9933	2824.3559	7976986.4064	(3)
ST	8.		252206.9700	2313.8254	3164.6714	.10015E+08	(109)
ST	13.		2914.2000	224.1692	310.1066	96166.0856	(13)
ST	16.		3286.5500	657.3100	517.6989	268012.1340	(5)
ST	17.		165.0000	165.0000	0	0	(1)
ST	18.		5630.3000	703.7875	524.6525	275260.2604	(8)
ST	19.		6309.8500	901.4071	362.4307	131356.0344	(7)
ST	20.		15324.6700	612.9868	571.6100	326738.0444	(25)
ST	21.		9935.1200	709.6514	589.7631	347820.5142	(14)
ST	22.		93787.5800	987.2377	692.6908	479820.5139	(95)
ST	26.		35691.6300	3965.7367	3084.2395	9512533.2620	(9)
ST	27.		298.3800	298.3800	0	0	(1)
ST	28.		1602.9500	267.1583	109.4194	11972.6089	(6)
ST	29.		60643.7900	356.7282	421.2990	177492.8651	(170)
ST	30.		5050.9300	841.8217	172.6284	29800.5604	(6)
ST	31.		3046.2300	609.2460	549.0383	301443.0901	(5)
ST	34.		71467.8200	882.3188	2022.7509	4091521.3011	(81)
ST	37.		4173.3500	463.7056	378.4289	143208.4639	(9)
ST	39.		69501.7100	1447.9523	2401.8452	5768860.3763	(48)
ST	40.		11984.4100	921.8777	650.6014	423282.1814	(13)
ST	41.		11313.7600	1616.2514	1516.4469	2299611.3180	(7)
ST	42.		102045.4600	689.4964	636.0535	404564.0452	(148)
ST	45.		533.0000	177.6667	93.5218	8746.3333	(3)
ST	47.		516.0000	516.0000	0	0	(1)
ST	48.		11113.3200	694.5825	538.0190	289464.4356	(16)
ST	51.		1421.6900	284.3380	176.6103	31191.1962	(5)
ST	53.		95074.9200	1267.6656	1525.0257	2325703.3677	(75)
ST	54.		38166.0500	954.1513	1120.7207	1256014.9847	(40)
ST	55.		1246.0000	311.5000	281.8847	79459.0000	(4)

TOTAL CASES = 939

Table E5

Criterion Variable -- AMB

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE AMB
BROKEN DOWN BY ST

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			683748.0100	4327.5191	11132.0019	.12392E+09	(158)
ST	1.		103931.8000	51965.9000	72173.1164	.52089E+10	(2)
ST	2.		23742.5800	23742.5800	0	0	(1)
ST	5.		779.2800	779.2800	0	0	(1)
ST	6.		11277.5600	11277.5600	0	0	(1)
ST	8.		22321.6300	3720.2717	3050.6403	9306406.0263	(6)
ST	13.		150.0000	150.0000	0	0	(1)
ST	16.		26825.5300	3832.2186	4937.1541	.24375E+08	(7)
ST	18.		2549.2000	509.8400	422.7211	178693.1480	(5)
ST	19.		48718.1600	8119.6933	13418.0228	.18004E+09	(6)
ST	20.		1778.5400	889.2700	327.6874	107379.0482	(2)
ST	21.		81867.2400	6822.2700	15849.4853	.25120E+09	(12)
ST	22.		6898.2000	1379.6400	1164.9752	1357167.2230	(5)
ST	27.		30500.0000	30500.0000	0	0	(1)
ST	28.		2858.2400	476.3733	849.6467	721899.5775	(6)
ST	29.		25894.3100	1523.1947	2683.0015	7198496.8235	(17)
ST	30.		14233.8100	2372.3017	3639.4650	.13245E+08	(6)
ST	31.		28538.2200	5707.6440	5874.8305	.34513E+08	(5)
ST	34.		9927.2000	1985.4400	2184.0610	4770122.6430	(5)
ST	37.		753.3700	376.6850	47.6378	2269.3584	(2)
ST	38.		12598.7000	6299.3500	5373.0923	.28870E+08	(2)
ST	39.		37498.9700	3749.8970	5476.8213	.29995E+08	(10)
ST	40.		515.5000	171.8333	241.1081	58133.1217	(3)
ST	41.		196.8000	196.8000	0	0	(1)
ST	42.		50078.6100	2276.3005	4242.3192	.17997E+08	(22)
ST	47.		224.0000	224.0000	0	0	(1)
ST	48.		2979.0300	993.0100	335.5396	112586.8303	(3)
ST	53.		51206.3200	8534.3867	9780.6562	.95661E+08	(6)
ST	54.		79632.9800	5308.8653	12537.6572	.15719E+09	(15)
ST	55.		5272.2300	1318.0575	1687.6765	2848251.8839	(4)

TOTAL CASES = 158

Table E6

Criterion Variable -- AMF

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE AMF
BROKEN DOWN BY ST

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			207660.1800	1375.2330	5005.7129	.25057E+08	(151)
ST	1.		81.2500	81.2500	0	0	(1)
ST	6.		1160.0000	1160.0000	0	0	(1)
ST	8.		1405.0000	1405.0000	0	0	(1)
ST	13.		4064.0000	406.4000	627.1608	393330.7111	(10)
ST	16.		569.9500	569.9500	0	0	(1)
ST	17.		4580.0000	2290.0000	2418.3052	5848200.0000	(2)
ST	18.		9189.8400	835.4400	2202.7690	4852191.0616	(11)
ST	19.		5838.0000	973.0000	821.2030	674374.4000	(6)
ST	20.		31506.8000	2625.5667	2689.6700	7234324.5553	(12)
ST	21.		1191.9000	238.3800	132.4640	17546.7220	(5)
ST	22.		516.0000	258.0000	110.3087	12168.0000	(2)
ST	27.		875.0000	437.5000	335.8757	112812.5000	(2)
ST	28.		3609.0000	902.2500	1082.5421	1171897.4167	(4)
ST	29.		21826.6400	779.5229	1968.3777	3874510.6887	(28)
ST	30.		2086.2000	1043.1000	768.0594	589915.2200	(2)
ST	31.		4033.7700	4033.7700	0	0	(1)
ST	34.		4784.3800	4784.3800	0	0	(1)
ST	37.		2020.4700	505.1175	463.0479	214413.3259	(4)
ST	39.		7100.7600	473.3840	621.7444	386566.0765	(15)
ST	40.		61846.8200	8835.2600	21923.7506	.48065E+09	(7)
ST	41.		7427.0000	3713.5000	2102.2285	4419364.5000	(2)
ST	42.		12776.7600	2555.3520	1740.4797	3029269.4669	(5)
ST	47.		400.0000	400.0000	0	0	(1)
ST	48.		6880.4800	344.0240	528.1748	278968.6637	(20)
ST	51.		293.0000	293.0000	0	0	(1)
ST	53.		9687.7000	9687.7000	0	0	(1)
ST	54.		937.7600	312.5867	91.2808	8332.1765	(3)
ST	55.		971.7000	485.8500	124.9458	15611.4450	(2)

TOTAL CASES = 151

Table E7

Criterion Variable -- FMD

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE FMD
BROKEN DOWN BY ST

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			2142072.8900	427.5595	76.9655	5923.6943	(5010)
ST	1.		1480.0000	370.0000	42.2295	1783.3333	(4)
ST	2.		16705.0000	451.4865	74.4038	5535.9234	(37)
ST	5.		3832.0000	348.3636	179.5049	32222.0045	(11)
ST	6.		4120.0000	457.7778	55.1765	3044.4444	(9)
ST	8.		45720.0000	415.6364	66.7637	4457.3895	(110)
ST	9.		930.0000	465.0000	49.4975	2450.0000	(2)
ST	10.		1210.0000	403.3333	109.1253	11908.3333	(3)
ST	13.		7890.0000	375.7143	64.8322	4203.2143	(21)
ST	16.		7680.0000	426.6667	82.6047	6823.5294	(18)
ST	17.		1500.0000	500.0000	0	0	(3)
ST	18.		55445.0000	410.7037	75.5055	5701.0869	(135)
ST	19.		12505.0000	463.1481	51.7232	2675.2849	(27)
ST	20.		60080.0000	488.4553	39.5058	1560.7090	(123)
ST	21.		89744.2000	435.6515	73.3817	5384.8791	(206)
ST	22.		26595.0000	391.1029	67.0923	4501.3773	(68)
ST	24.		485.0000	485.0000	0	0	(1)
ST	27.		9350.0000	467.5000	27.0234	730.2632	(20)
ST	28.		39210.0000	400.1020	48.2796	2330.9173	(98)
ST	29.		235019.3500	455.4639	69.5780	4841.1009	(516)
ST	30.		18150.0000	422.0930	67.1373	4507.4197	(43)
ST	31.		97190.0000	422.5652	86.2207	7434.0023	(230)
ST	34.		136955.0000	438.9583	54.9301	3017.3198	(312)
ST	37.		47834.3900	392.0852	55.1760	3044.3944	(122)
ST	38.		3100.0000	442.8571	60.7493	3690.4762	(7)
ST	39.		97165.0000	467.1394	70.1938	4927.1640	(208)
ST	40.		121200.0000	467.9537	56.3201	3171.9591	(259)
ST	41.		20470.0000	445.0000	76.4998	5852.2222	(46)
ST	42.		575927.9500	410.4975	74.5047	5550.9473	(1403)
ST	45.		1480.0000	370.0000	159.2168	25350.0000	(4)
ST	46.		500.0000	500.0000	0	0	(1)
ST	48.		57085.0000	385.7095	57.7262	3332.3164	(148)
ST	51.		380.0000	380.0000	0	0	(1)
ST	53.		73770.0000	370.7035	109.2999	11946.4723	(199)
ST	54.		240675.0000	438.3880	76.6497	5875.1795	(549)
ST	55.		30690.0000	465.0000	53.9302	2908.4615	(66)

TOTAL CASES = 5010

Table E8

Criterion Variable -- FMB

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE FMB
BROKEN DOWN BY ST

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			1136501.2500	3726.2336	2455.4906	6029434.0929	305
ST	1.		5000.0000	2500.0000	0	0	2
ST	5.		5000.0000	2500.0000	0	0	2
ST	6.		3000.0000	3000.0000	0	0	1
ST	8.		66709.0500	5559.0875	3441.7299	.11845E+08	12
ST	13.		5000.0000	2500.0000	0	0	2
ST	16.		35098.1900	8774.5475	2450.9050	6006935.3190	4
ST	18.		21853.7500	3642.2917	1843.2477	3397598.9183	6
ST	19.		2500.0000	2500.0000	0	0	1
ST	20.		22513.0200	3752.1700	2138.0641	4571318.2036	6
ST	21.		20000.0000	4000.0000	3354.1020	.11250E+08	5
ST	22.		17500.0000	4375.0000	3750.0000	.14062E+08	4
ST	27.		2500.0000	2500.0000	0	0	1
ST	28.		5425.0000	1808.3333	1198.0018	1435208.3333	3
ST	29.		42859.9200	3296.9169	2256.5235	5091898.1582	13
ST	30.		35083.2700	4385.4088	1757.2529	3087937.7638	8
ST	31.		106080.4900	3788.5889	2621.1073	6870203.4779	28
ST	34.		25500.0000	5100.0000	4546.9770	.20675E+08	5
ST	37.		5000.0000	2500.0000	0	0	2
ST	39.		86589.4600	5772.6307	3399.2137	.11554E+08	15
ST	40.		118193.0000	3030.5897	1723.7133	2971187.4457	39
ST	41.		5000.0000	2500.0000	0	0	2
ST	42.		205227.0000	3731.4000	2581.4792	6664034.9780	55
ST	46.		5000.0000	2500.0000	0	0	2
ST	48.		22388.9900	2798.6237	844.6355	713409.1525	8
ST	53.		102243.9000	3651.5679	2382.1056	5674426.9998	28
ST	54.		140329.5400	3189.3077	1480.9280	2193147.7853	44
ST	55.		24906.6700	3558.0957	1948.1173	3795161.1575	7

TOTAL CASES = 305

Table E9

Criterion Variable -- FMF

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE FMF
BROKEN DOWN BY ST

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			4518048.1100	3456.8080	2195.3912	4819742.4811	(1307)
ST	1.		7500.0000	2500.0000	0	0	(3)
ST	5.		12500.0000	2500.0000	0	0	(5)
ST	6.		15562.5000	3112.5000	4009.3305	.16074E+08	(5)
ST	8.		40763.1500	5823.3071	3916.2441	.15336E+06	(7)
ST	13.		8230.3900	8230.3900	0	0	(1)
ST	16.		12500.0000	2500.0000	0	0	(5)
ST	17.		5500.0000	2750.0000	353.5534	125000.0000	(2)
ST	18.		285009.7200	3701.4249	2538.0000	6441443.9884	(77)
ST	19.		73233.5600	3661.6780	2396.4402	5742925.7833	(20)
ST	20.		405067.9400	4219.4577	2775.7568	7704825.7778	(96)
ST	21.		192838.7500	2678.3160	839.6938	705085.6267	(72)
ST	27.		115115.0300	3969.4838	2599.5317	6757565.1248	(29)
ST	28.		15000.0000	2500.0000	0	0	(6)
ST	29.		455243.8200	3055.3277	1651.9311	2728876.4109	(149)
ST	30.		5000.0000	2500.0000	0	0	(2)
ST	31.		157057.1300	6040.6588	3093.9741	9572675.5617	(26)
ST	34.		34755.1600	4344.3950	3086.4878	9526406.9206	(8)
ST	37.		135047.9900	3649.9457	2224.4376	4948122.4741	(37)
ST	38.		44639.1500	5579.8937	3338.5783	.11146E+08	(8)
ST	39.		171038.2600	3420.7652	2119.2419	4491186.1309	(50)
ST	40.		948820.4900	3580.4547	2380.9993	5669157.7497	(265)
ST	41.		17500.0000	2500.0000	0	0	(7)
ST	42.		208462.8400	3657.2428	2493.6151	6218116.1329	(57)
ST	45.		2500.0000	2500.0000	0	0	(1)
ST	47.		2500.0000	2500.0000	0	0	(1)
ST	48.		858329.3400	3076.4492	1598.0171	2553658.5039	(279)
ST	53.		39565.8700	4396.2078	3211.7894	.10315E+08	(9)
ST	54.		94472.0000	2553.2973	279.0833	77887.5064	(37)
ST	55.		154295.0200	3588.2563	2243.6948	5034166.2490	(43)

TOTAL CASES = 1307

Table E10

Criterion Variable -- DLB

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE DLB
BROKEN DOWN BY ST

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE		N
FOR ENTIRE POPULATION			552788.3900	10236.4220	28010.4420	.78458E+09	(	54)
ST	8.		372926.2600	53275.1800	64123.0736	.41117E+10	(	7)
ST	16.		1000.0000	1000.0000	0	0	(	1)
ST	18.		6200.0000	2066.6667	1692.1387	2863333.3333	(	3)
ST	21.		172.3000	172.3000	0	0	(	1)
ST	22.		7500.0000	2500.0000	0	0	(	3)
ST	29.		4244.4700	1061.1175	1007.8013	1015663.3952	(	4)
ST	30.		17900.0000	8950.0000	9121.6775	.83205E+08	(	2)
ST	39.		50532.7200	12633.1800	16656.2291	.27742E+09	(	4)
ST	41.		455.1000	455.1000	0	0	(	1)
ST	42.		62188.7400	2961.3686	5061.4368	.25618E+08	(	21)
ST	53.		29468.8000	4911.4667	4516.6528	.20400E+08	(	6)
ST	54.		200.0000	200.0000	0	0	(	1)

TOTAL CASES = 54

Table E11

Criterion Variable -- DLF

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE DLF
BROKEN DOWN BY ST

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE		N
FOR ENTIRE POPULATION			52544.3700	3090.8453	3197.3987	.10223E+08	(	17)
ST	1.		10000.0000	10000.0000	0	0	(	1)
ST	13.		212.1900	212.1900	0	0	(	1)
ST	21.		2500.0000	2500.0000	0	0	(	1)
ST	30.		224.0000	224.0000	0	0	(	1)
ST	34.		4756.8600	2378.4300	1595.8410	2546708.5298	(	2)
ST	39.		300.0000	300.0000	0	0	(	1)
ST	40.		11250.0000	11250.0000	0	0	(	1)
ST	42.		23131.3200	2891.4150	1320.7595	1744405.6178	(	8)
ST	54.		170.0000	170.0000	0	0	(	1)

TOTAL CASES = 17

Table E12

Criterion Variable -- SB

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE SB
BROKEN DOWN BY ST

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			40607.2800	863.9847	2539.4356	6448723.0344	(47)
ST	2.		245.0000	245.0000	0	0	(1)
ST	5.		60.0000	60.0000	0	0	(1)
ST	8.		734.7000	367.3500	187.5954	35192.0450	(2)
ST	16.		350.0000	350.0000	0	0	(1)
ST	18.		1653.1800	413.2950	192.7596	37156.2681	(4)
ST	20.		500.0000	500.0000	0	0	(1)
ST	21.		7755.0200	3877.5100	5428.1901	.29465E+08	(2)
ST	28.		174.6000	174.6000	0	0	(1)
ST	29.		1439.4000	287.8800	210.0045	44101.8720	(5)
ST	30.		1006.2100	335.4033	203.8653	41561.0472	(3)
ST	31.		1559.6000	519.8667	34.4101	1184.0533	(3)
ST	39.		17897.4500	2982.9083	6440.3177	.41477E+08	(6)
ST	41.		211.4800	211.4800	0	0	(1)
ST	42.		4679.0800	519.8978	759.2588	576473.8560	(9)
ST	47.		241.2000	241.2000	0	0	(1)
ST	48.		585.0000	292.5000	53.0330	2812.5000	(2)
ST	53.		1445.3600	481.7867	31.5464	995.1765	(3)
ST	55.		70.0000	70.0000	0	0	(1)

TOTAL CASES = 47

Table E13

Criterion Variable -- SF

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE SF
BROKEN DOWN BY ST

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			43674.8500	715.9811	861.3455	741916.1205	(61)
ST	6.		500.0000	500.0000	0	0	(1)
ST	8.		669.9500	669.9500	0	0	(1)
ST	18.		554.0000	277.0000	315.3696	99458.0000	(2)
ST	19.		601.9200	300.9600	281.4851	79233.8432	(2)
ST	20.		13932.3500	1393.2350	1384.4839	1916795.6492	(10)
ST	21.		450.8200	225.4100	121.4668	14754.1842	(2)
ST	29.		1309.0700	261.8140	149.9002	22470.0655	(5)
ST	34.		1353.3800	451.1267	84.6511	7165.8081	(3)
ST	38.		628.8100	628.8100	0	0	(1)
ST	39.		3437.9800	381.9978	339.2299	115076.9373	(9)
ST	40.		169.0600	169.0600	0	0	(1)
ST	41.		3469.0000	495.5714	173.6621	30158.5164	(7)
ST	42.		10771.4800	2692.8700	385.7400	148795.3476	(4)
ST	48.		5327.0300	443.9192	100.8136	10163.3816	(12)
ST	53.		500.0000	500.0000	0	0	(1)

TOTAL CASES = 61

Table E14

Criterion Variable -- RH

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE RH
BROKEN DOWN BY ST

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			9643998.4600	5949.4132	4476.8765	.20042E+08	(1621)
ST	1.		1084.7600	1084.7600	0	0	(1)
ST	2.		126963.5000	12696.3500	4079.5343	.16642E+08	(10)
ST	5.		24059.4200	6014.8550	4105.6532	.16856E+08	(4)
ST	6.		74512.5300	9314.0662	5444.1999	.29639E+08	(8)
ST	8.		238298.1200	7008.7741	4797.0805	.23011E+08	(34)
ST	10.		13439.5000	13439.5000	0	0	(1)
ST	13.		43393.4400	5424.1800	2849.8272	8121515.2078	(8)
ST	16.		24500.0000	8166.6667	2254.6249	5083333.3333	(3)
ST	17.		15630.0000	5210.0000	3956.2988	.15652E+08	(3)
ST	18.		380061.6500	4692.1191	2047.1548	4190842.7100	(81)
ST	19.		18402.8100	2628.9729	1828.8239	3344596.8968	(7)
ST	20.		277825.5800	5051.3742	3298.2321	.10878E+08	(55)
ST	21.		421390.7800	5138.9120	2097.4840	4399439.3250	(82)
ST	22.		479158.2100	9214.5810	4538.5597	.20598E+08	(52)
ST	27.		64326.0000	7147.3333	4625.8387	.21398E+08	(9)
ST	28.		66907.1600	3717.0644	3270.2269	.10694E+08	(18)
ST	29.		622220.1700	3065.1240	2154.0786	4640054.4395	(203)
ST	30.		46852.9900	3904.4158	2301.5193	5296991.0181	(12)
ST	31.		1439767.4200	13331.1798	3003.2758	9019665.8179	(108)
ST	34.		252207.8100	5366.1236	2299.0996	5285859.0350	(47)
ST	37.		170933.7700	5027.4638	3469.6181	.12038E+08	(34)
ST	38.		14950.0000	7475.0000	1308.1475	1711250.0000	(2)
ST	39.		218651.7400	3036.8297	2513.9681	6320035.5813	(72)
ST	40.		638883.7400	4840.0283	2852.0420	8134143.4110	(132)
ST	41.		137916.2000	9851.1571	3795.7138	.14407E+08	(14)
ST	42.		1412309.9400	5835.9915	3775.1525	.14251E+08	(242)
ST	45.		934.4700	934.4700	0	0	(1)
ST	48.		79852.3300	2575.3816	1333.0528	1777029.6615	(31)
ST	51.		19420.2500	9710.1250	1711.3752	2928805.0313	(2)
ST	53.		1280501.0600	13066.3373	3000.7104	9004263.1703	(98)
ST	54.		659057.6300	3214.9153	2777.2657	7713204.5781	(205)
ST	55.		379585.6800	9037.7543	3979.0268	.15832E+08	(42)

TOTAL CASES = 1621

Table E15

Criterion Variable -- IIC

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE IIC
BROKEN DOWN BY ST

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			201248.8200	910.6281	1086.2974	1180042.0993	(221)
ST	6.		2360.0600	2360.0600	0	0	(1)
ST	8.		6032.9800	2010.9933	1338.2771	1790985.6508	(3)
ST	13.		226.1800	226.1800	0	0	(1)
ST	18.		1579.4900	263.2483	225.1633	50698.5304	(6)
ST	20.		7056.1800	415.0694	440.9865	194469.1212	(17)
ST	21.		2836.9900	472.8317	669.1095	447707.5818	(6)
ST	22.		1303.9800	434.6600	568.5917	323296.5036	(3)
ST	28.		42.5000	42.5000	0	0	(1)
ST	29.		78035.9700	1345.4478	1224.7380	1499983.1530	(58)
ST	30.		800.0000	800.0000	0	0	(1)
ST	31.		109.4500	109.4500	0	0	(1)
ST	34.		14971.2300	1069.3736	724.6659	525140.7165	(14)
ST	37.		12953.5200	1439.2800	1158.2614	1341569.3919	(9)
ST	39.		26910.1600	1281.4362	1702.7524	2899365.8673	(21)
ST	40.		6979.1400	997.0200	1128.6027	1273743.9642	(7)
ST	41.		744.7500	744.7500	0	0	(1)
ST	42.		30927.9300	572.7394	779.8271	608130.2995	(54)
ST	45.		49.6000	49.6000	0	0	(1)
ST	48.		2358.6900	1179.3450	1283.2645	1646767.6680	(2)
ST	53.		2562.9800	512.5960	511.0855	261208.4160	(5)
ST	54.		2232.4500	279.0562	487.0865	237253.2401	(8)
ST	55.		174.5900	174.5900	0	0	(1)

TOTAL CASES = 221

Table E16

Criterion Variable -- CC

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE CC
BROKEN DOWN BY ST

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			346551.6400	233.9984	309.0373	95504.0403	(1481)
ST	1.		87.7500	43.8750	26.6933	712.5313	(2)
ST	5.		76.6500	76.6500	0	0	(1)
ST	6.		1049.5500	174.9250	154.3117	23812.1137	(6)
ST	8.		4940.6400	247.0320	403.2587	162617.5518	(20)
ST	13.		1705.4200	213.1775	271.4732	73697.6820	(8)
ST	16.		237.8800	39.6467	29.2504	855.5871	(6)
ST	17.		665.9000	332.9500	291.7523	85119.3800	(2)
ST	18.		1758.2000	42.8829	64.8060	4199.8195	(41)
ST	19.		580.5000	96.7500	84.8120	7193.0750	(6)
ST	20.		4525.9800	87.0381	79.3143	6290.7504	(52)
ST	21.		8084.7200	98.5941	123.7369	15310.8129	(82)
ST	22.		13877.3300	330.4126	187.7161	35237.3468	(42)
ST	27.		197.5000	39.5000	48.4271	2345.1862	(5)
ST	28.		3968.2500	132.2750	147.0755	21631.1912	(30)
ST	29.		16291.9000	73.3869	95.3373	9089.1980	(222)
ST	30.		18.0000	2.5714	.9759	.9524	(7)
ST	31.		1748.8800	102.8753	115.3724	13310.7898	(17)
ST	34.		41835.3000	557.8040	419.4018	175897.9109	(75)
ST	37.		15344.4200	340.9871	263.7788	69579.2781	(45)
ST	38.		409.7700	136.5900	107.7027	11599.8793	(3)
ST	39.		16191.5000	218.8041	227.3979	51709.8149	(74)
ST	40.		9536.0600	80.8141	87.3545	7630.8075	(118)
ST	41.		690.5000	69.0500	32.2761	1041.7472	(10)
ST	42.		146418.9600	472.3192	377.5226	142523.3086	(310)
ST	45.		1347.5000	673.7500	40.6586	1653.1250	(2)
ST	46.		75.0000	75.0000	0	0	(1)
ST	48.		3329.7600	128.0677	92.3527	8529.0253	(26)
ST	51.		539.2000	89.8667	99.8814	9976.2867	(6)
ST	53.		6844.8400	228.1613	349.4237	122096.9376	(30)
ST	54.		42555.0300	205.5799	312.2160	97478.8210	(207)
ST	55.		1618.7500	64.7500	58.4114	3411.8917	(25)

TOTAL CASES = 1481

Table E17

Criterion Variable -- SRP

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE SRP
BROKEN DOWN BY ST

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			1654367.4700	2404.6039	1306.5675	1707118.6426	(688)
ST	2.		26400.0000	3771.4286	604.7432	365714.2857	(7)
ST	5.		480.0000	480.0000	0	0	(1)
ST	6.		4000.0000	4000.0000	0	0	(1)
ST	8.		167450.2000	2067.2864	1290.6870	1665873.0449	(81)
ST	13.		15884.0000	2269.1429	838.0126	702265.1429	(7)
ST	16.		12088.0000	2014.6667	1247.2040	1555517.8667	(6)
ST	18.		17160.0000	1560.0000	806.8249	650966.4000	(11)
ST	19.		6000.0000	2000.0000	908.6253	825600.0000	(3)
ST	20.		10005.0000	2001.0000	1854.4554	3439005.0000	(5)
ST	21.		102784.3200	2336.0073	1541.2149	2375343.4397	(44)
ST	22.		25606.2400	1969.7108	1139.6306	1298757.7915	(13)
ST	27.		2400.0000	1200.0000	339.4113	115200.0000	(2)
ST	28.		34176.0000	2136.0000	418.4543	175104.0000	(16)
ST	29.		58762.3900	1780.6785	1280.1577	1638803.7030	(33)
ST	30.		2640.0000	1320.0000	1527.3506	2332800.0000	(2)
ST	31.		79415.3400	1654.4862	1175.0687	1380786.5256	(48)
ST	34.		81888.0000	3560.3478	819.5839	671717.6917	(23)
ST	37.		33914.4000	2608.8000	1208.4299	1460302.7200	(13)
ST	39.		56616.0000	1572.6667	1177.9647	1387600.9143	(36)
ST	40.		63128.0000	2176.8276	973.8955	948472.4335	(29)
ST	41.		12280.0000	2046.6667	1434.7497	2058506.6667	(6)
ST	42.		300592.8300	2683.8646	1228.5491	1509332.8627	(112)
ST	48.		22954.0000	1765.6923	1170.5007	1370071.8974	(13)
ST	51.		2176.0000	2176.0000	0	0	(1)
ST	53.		302264.0000	3686.1463	722.7113	522311.5833	(82)
ST	54.		190505.5900	2267.9237	1135.6666	1289738.5384	(84)
ST	55.		22797.1600	2533.0178	1397.6157	1953329.6844	(9)

TOTAL CASES = 688

Table E18

Criterion Variable -- DP

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE DP
BROKEN DOWN BY ST

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			2226026.9200	2800.0339	1040.0815	1081769.5389	795)
ST	1.		8088.0500	2696.0167	967.2949	935659.4758	3)
ST	2.		8000.0000	4000.0000	0	0	2)
ST	6.		6500.0000	3250.0000	1060.6602	1125000.0000	2)
ST	8.		108433.2700	3285.8567	983.5157	967303.0765	33)
ST	9.		1240.0000	1240.0000	0	0	1)
ST	10.		3555.3800	3555.3800	0	0	1)
ST	13.		1341.8000	670.9000	241.6891	58413.6200	2)
ST	16.		10510.0000	2102.0000	1479.1746	2187957.5000	5)
ST	18.		23922.5100	2174.7736	587.7049	345397.0002	11)
ST	19.		40240.8500	2515.0531	667.7991	445955.6318	16)
ST	20.		103426.2700	2585.6567	1027.8167	1056407.2120	40)
ST	21.		66957.1500	2391.3268	869.0603	755265.8241	28)
ST	22.		26101.8900	2175.1575	951.5097	905370.6479	12)
ST	27.		17810.9800	2544.4257	1167.6182	1363332.2916	7)
ST	28.		15762.7300	2251.8186	938.6480	881060.0815	7)
ST	29.		179446.7800	2458.1751	977.0454	954617.7260	73)
ST	30.		34007.8200	2429.1300	1339.2113	1793486.9732	14)
ST	31.		192419.0700	3563.3161	869.1769	755468.4090	54)
ST	34.		131374.0800	3649.2800	666.4538	444160.6794	36)
ST	37.		21356.0100	1941.4555	1455.7888	2119321.1269	11)
ST	38.		8000.0000	4000.0000	0	0	2)
ST	39.		166127.7400	2595.7459	1021.1530	1042753.4346	64)
ST	40.		161363.6600	3044.5974	879.8837	774195.3275	53)
ST	41.		35499.7300	2958.3108	1288.6711	1660673.2207	12)
ST	42.		477802.5800	3043.3285	1030.0042	1060908.7468	157)
ST	48.		50843.7200	2311.0782	498.2189	248222.0245	22)
ST	53.		85205.5700	3550.2321	894.1955	799585.5449	24)
ST	54.		209813.8200	2305.6464	724.2250	524501.7817	91)
ST	55.		30875.4600	2572.9550	988.1432	976427.0181	12)

TOTAL CASES = 795

APPENDIX F:

DOCKET SHEET MASTERFILE ANALYSIS BY DISTRICT,
SUMMARIZED BY PAYMENT TYPES

This appendix is similar to Appendix E, except the data are arranged by District.

The following tables show by District (DIS) all Docket Sheet actions to October 1976. The CODE heading identifies the District by its District Code which is translated in Table F1. The SUM heading shows the amounts spent by each listed District for that payment type. The MEAN is the average payment value for that District. N indicates the number of payments made by that District.

Table F1 is a summary of all Docket Sheet total payments for FY72 to FY76 by Districts that made 10 or more payments during that interval.

Tables F3 through F17 summarize each individual average payment by District for FY72 to FY76 inclusive. They also provide the total amount paid for each payment type (SUM), the average value of the payment type by District (MEAN), the standard deviation of the average payment (STD DEV), the variance of the MEAN and the total number of payments made by each District (N). The type of payment descriptor is found in the heading under criterion variable, e.g., AMD.

Table F1

Summarized Data From all Docket Sheets
on the Masterfile, by Districts That
Have Made Payments to 10 or More Applicants

	DISTRICT NAME	NUMBER OF APPLICABLE PROJECTS	PAYMENT SUM	NUMBER OF APPLICANTS	AVERAGE PAYMENT
OYA	PORTLAND	3	2,033,271	296	6,869
OYB	SEATTLE	1	183,053	64	2,860
OYC	WALLA WALLA	2	359,652	91	3,952
OYD	HUNTINGTON	7	2,094,822	824	2,542
OXJ	MEMPHIS	0	-	-	-
OYE	LOUISVILLE	8	1,821,908	432	4,217
OXK	NEW ORLEANS	8	904,423	234	3,865
OXL	ST. LOUIS	2	539,060	236	2,2[illegible]
OYF	NASHVILLE	2	168,216	115	1,463
OXP	VICKSBURG	0	-	-	-
PXR	KANSAS CITY	8	1,981,589	739	2,681
OXT	OMAHA	4	3,226,662	509	6,339
OYJ	PITTSBURG	0	-	-	-
OXU	BALTIMORE	4	2,464,768	1,087	2,267
OXZ	NORFOLK	0	-	-	-
OYM	MOBILE	1	130,181	12	10,848
OXO	PHILADELPHIA	5	2,331,097	1,031	2,261
OYN	SAVANNAH	3	524,965	198	2,651
OX6	ROCK ISLAND	3	1,095,910	182	6,021
OYQ	LOS ANGELES	0	-	-	-
OYR	SACRAMENTO	0	-	-	-
OYT	ALBEQUERQUE	1	105,951	21	5,045
OYU	FORT WORTH	3	857,688	319	2,689
OYV	GALVESTON	0	-	-	-
OYZ	LITTLE ROCK	0	-	-	-
OY1	TULSA	9	2,297,210	458	5,016
07Y	NED	0	-	-	-
070	NCD	1	35,692	10	3,569
ASK	ALASKA	1	212,927	41	5,193
	TOTAL	76	23,369,045	6,899	3,387

(20 Districts had at least one project with 10 or more applicants; only projects with 10 or more applicants are included in District totals)

Table F2

Definitions of Criterion Variables for Subsequent Data

AMD	Actual Moving Costs - Dwelling
AMB	Actual Moving Costs - Business
AMF	Actual Moving Costs - Farm
FMD	Fixed Moving Costs - Dwelling
FMB	Fixed Moving Costs - Business
FMF	Fixed Moving Costs - Farm
DLB	Direct Loss - Business
DLF	Direct Loss - Farm
SB	Searching Cost - Business
SF	Searching Cost - Farm
RH	Replacement Housing
IIC	Increased Interest Cost
CC	Closing Cost
SRP	Rental Payment
DP	Down Payment

This is the order in which the following tables are arranged.

Table F3

Criterion Variable -- AMD

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE AMD
BROKEN DOWN BY DIS

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			934250.2300	994.9417	1662.6555	2764423.2739	(939)
DIS	0YA		71317.2100	1064.4360	972.4502	945659.4249	(67)
DIS	0YB		5050.9300	841.8217	172.6284	29800.5604	(6)
DIS	0YC		38358.0200	1917.9010	2471.3956	6107795.9753	(20)
DIS	0YD		77472.8200	1032.9709	1152.0700	1327265.2958	(75)
DIS	0YE		18267.7600	730.7104	404.4326	163565.7575	(25)
DIS	0XK		95516.0800	974.6539	691.9599	478808.4650	(98)
DIS	0XL		8459.9700	256.3627	213.3588	45521.9615	(33)
DIS	0YF		3996.8200	666.1367	769.0773	591479.8511	(6)
DIS	0XP		2403.9500	300.4937	138.2501	19113.0778	(8)
DIS	0XR		65485.0700	404.2288	459.5889	211222.0027	(162)
DIS	0XT		223433.2000	2031.2109	1917.7636	3677817.4129	(110)
DIS	0XU		54529.3900	727.0585	628.0921	394499.6388	(75)
DIS	0XZ		1421.6900	284.3380	176.6103	31191.1962	(5)
DIS	0YM		1714.1000	428.5250	248.5900	61796.9692	(4)
DIS	0X0		122156.3900	778.0662	1522.8082	2318944.7687	(157)
DIS	0YN		7620.5500	304.8220	334.0046	111559.0833	(25)
DIS	0X6		7555.8500	686.8955	437.2993	191230.7047	(11)
DIS	0YR		6083.9800	2027.9933	2824.3559	7976986.4064	(3)
DIS	0YT		31820.0000	7955.0000	13667.6027	.18680E+09	(4)
DIS	0YU		9384.8200	721.9092	535.4374	286693.2238	(13)
DIS	0Y1		14172.8300	1012.3450	710.8465	505302.6863	(14)
DIS	070		57158.2900	4082.7350	4409.4189	.19442E+08	(14)
DIS	2SK		10870.5100	2717.6275	823.5410	678219.7165	(4)

TOTAL CASES = 939

Table F4

Criterion Variable -- AMB

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE AMB
BROKEN DOWN BY DIS

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			683748.0100	4327.5191	11132.0019	.12392E+09	(158)
DIS	0YA		802.5800	267.5267	83.1340	6911.2601	(3)
DIS	0YB		14233.8100	2372.3017	3639.4650	.13245E+08	(6)
DIS	0YC		77426.0700	7038.7336	7868.9495	.61920E+08	(11)
DIS	0YD		46496.9900	2735.1171	3818.2029	.14578E+08	(17)
DIS	0YE		92336.9500	4197.1341	12073.0737	.14575E+09	(22)
DIS	0XK		6898.2000	1379.6400	1164.9752	1357167.2230	(5)
DIS	0XL		2633.0000	658.2500	574.4691	330014.7500	(4)
DIS	0YF		3735.1900	466.8988	727.3878	529093.0521	(8)
DIS	0XR		25039.8500	1669.3233	2825.7007	7984584.5733	(15)
DIS	0XT		63458.5500	4881.4269	4368.2620	.19081E+08	(13)
DIS	0YJ		16500.0000	16500.0000	0	0	(1)
DIS	0XU		88958.7100	6842.9777	13379.1363	.17900E+09	(13)
DIS	0YM		103931.8000	51965.9000	72173.1164	.52089E+10	(2)
DIS	0X0		16608.6000	1107.2400	1507.5683	2272762.3026	(15)
DIS	0YN		903.3700	301.1233	135.1421	18263.3756	(3)
DIS	0X6		84490.3900	7680.9445	12619.7110	.15925E+09	(11)
DIS	0YQ		11277.5600	11277.5600	0	0	(1)
DIS	0YU		2979.0300	993.0100	335.5396	112586.8303	(3)
DIS	0YZ		779.2800	779.2800	0	0	(1)
DIS	0Y1		515.5000	171.8333	241.1081	58133.1217	(3)
DIS	2SK		23742.5800	23742.5800	0	0	(1)

TOTAL CASES = 158

Table F5

Criterion Variable -- AMF

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE AMF
BROKEN DOWN BY DIS

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			207660.1800	1375.2330	5005.7129	.25057E+08	151)
DIS	0YA		7427.0000	3713.5000	2102.2285	4419364.5000	2)
DIS	0YB		2086.2000	1043.1000	768.0594	589915.2200	2)
DIS	0YC		10257.6500	5128.8250	6447.2229	.41566E+08	2)
DIS	0YD		1037.7600	259.4400	129.8193	16853.0071	4)
DIS	0YE		16970.1000	585.1759	1404.2859	1972018.8265	29)
DIS	0XK		1838.3200	229.7900	90.1684	8130.3335	8)
DIS	0XL		4185.5000	697.5833	1040.9245	1083523.7167	6)
DIS	0YF		4421.4000	736.9000	876.7961	768771.3200	6)
DIS	0XR		49727.9400	1420.7983	2457.1181	6037429.4648	35)
DIS	0XT		9438.7700	3146.2567	1508.0670	2274266.1876	3)
DIS	0XU		12776.7600	2555.3520	1740.4797	3029269.4669	5)
DIS	0XZ		293.0000	293.0000	0	0	1)
DIS	0YM		81.2500	81.2500	0	0	1)
DIS	0X0		4784.3800	4784.3800	0	0	1)
DIS	0YN		6084.4700	434.6050	569.1464	323927.6653	14)
DIS	0X6		7684.7000	768.4700	677.4233	458902.3868	10)
DIS	0YR		1160.0000	1160.0000	0	0	1)
DIS	0YU		5558.1600	397.0114	627.9857	394365.9948	14)
DIS	0Y1		61846.8200	8835.2600	21923.7506	.48065E+09	7)

TOTAL CASES = 151

Table F6

Criterion Variable -- FMD

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE FMD
BROKEN DOWN BY DIS

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			2142072.8900	427.5595	76.9655	5923.6943	5010)
DIS	0YA		84440.0000	380.3604	110.5042	12211.1818	222)
DIS	0YB		18150.0000	422.0930	67.1373	4507.4197	43)
DIS	0YC		17480.0000	426.3415	72.2411	5218.7805	41)
DIS	0YD		301535.0000	442.1334	81.1795	6590.1187	682)
DIS	0XJ		731.0000	121.8333	183.1012	33526.0667	6)
DIS	0YE		156099.2000	436.0313	68.4117	4680.1664	358)
DIS	0XK		29585.0000	389.2763	64.4707	4156.4693	76)
DIS	0XL		68416.2000	450.1066	70.9565	5034.8259	152)
DIS	0YF		43010.0000	401.9626	51.5777	2660.2627	107)
DIS	0XP		3770.0000	418.8889	49.7354	2473.6111	9)
DIS	0XR		215674.1500	465.8189	57.9747	3361.0607	463)
DIS	0XT		141365.0000	423.2485	79.7415	6358.7098	334)
DIS	0YJ		2255.0000	375.8333	51.4215	2644.1667	6)
DIS	0XU		382112.9500	404.3523	76.8784	5910.2865	945)
DIS	0XZ		380.0000	380.0000	0	0	1)
DIS	0YM		1980.0000	396.0000	68.6841	4717.5000	5)
DIS	0X0		349305.0000	430.7090	63.1441	3987.1794	811)
DIS	0YN		57204.3900	389.1455	60.5225	3662.9784	147)
DIS	0X6		52545.0000	465.0000	49.3439	2434.8214	113)
DIS	0YQ		1500.0000	500.0000	0	0	3)
DIS	0YR		2620.0000	436.6667	57.1548	3266.6667	6)
DIS	0YT		5645.0000	376.3333	76.0044	5776.6667	15)
DIS	0YU		51615.0000	388.0827	52.3888	2744.5916	133)
DIS	0YV		1090.0000	272.5000	115.8663	13425.0000	4)
DIS	0YZ		1320.0000	440.0000	60.0000	3600.0000	3)
DIS	0Y1		134610.0000	470.6643	54.4936	2969.5571	286)
DIS	07Y		930.0000	465.0000	49.4975	2450.0000	2)
DIS	2SK		16705.0000	451.4865	74.4038	5535.9234	37)

TOTAL CASES = 5010

Table F7

Criterion Variable -- FMB

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE FMB
BROKEN DOWN BY DIS

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			1136501.2500	3726.2336	2455.4906	6029434.0929	305)
DIS	0YA		77243.9000	3218.4958	1686.9177	2845691.1966	24)
DIS	0YB		35083.2700	4385.4088	1757.2529	3087937.7638	8)
DIS	0YC		65098.1900	6509.8190	3759.6410	.14134E+08	10)
DIS	0YD		173812.3100	3476.2462	1999.7494	3998997.5425	50)
DIS	0YE		77563.9400	5170.9293	3208.3392	.10293E+08	15)
DIS	0XK		27388.9900	3912.7129	2828.0432	7997828.3172	7)
DIS	0XL		23466.7400	3911.1233	3007.8887	9047394.3713	6)
DIS	0YF		5000.0000	2500.0000	0	0	2)
DIS	0XP		425.0000	425.0000	0	0	1)
DIS	0XR		23843.1800	2980.3975	1420.7862	2018633.3109	8)
DIS	0XT		173296.5800	4226.7459	2951.1251	8709139.3637	41)
DIS	0YJ		7768.4000	7768.4000	0	0	1)
DIS	0XU		97651.2100	3487.5432	2314.5226	5357014.8870	28)
DIS	0YM		5000.0000	2500.0000	0	0	2)
DIS	0X0		142703.8900	3963.9969	2961.0427	8767773.9894	36)
DIS	0YN		10000.0000	2500.0000	0	0	4)
DIS	0X6		29906.6700	3322.9633	1750.4469	3064064.3621	9)
DIS	0YR		3000.0000	3000.0000	0	0	1)
DIS	0YT		4492.9600	4492.9600	0	0	1)
DIS	0YU		12500.0000	2500.0000	0	0	5)
DIS	0YI		141256.0200	3070.7830	1747.1233	3052439.8837	46)

TOTAL CASES = 305

Table F8

Criterion Variable -- FMF

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE FMF
BROKEN DOWN BY DIS

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			4518048.1100	3456.8080	2195.3912	4819742.4811	(1307)
DIS	0YA		17500.0000	2500.0000	0	0	(7)
DIS	0YB		5000.0000	2500.0000	0	0	(2)
DIS	0YC		52065.8700	3718.9907	2690.1819	7237078.8843	(14)
DIS	0YD		215120.9000	2689.0112	926.9155	859172.3984	(80)
DIS	0YE		525737.8300	3391.8570	2168.8321	4703832.7933	(155)
DIS	0XK		241318.0400	3447.4006	2113.4156	4466525.2941	(70)
DIS	0XL		176217.2900	2986.7337	1552.3306	2409730.3149	(59)
DIS	0YF		20000.0000	2500.0000	0	0	(8)
DIS	0XP		2500.0000	2500.0000	0	0	(1)
DIS	0XR		588978.2100	3569.5649	2249.4158	5059871.6540	(165)
DIS	0XT		247959.4300	5766.4984	3199.4805	.10236E+08	(43)
DIS	0YJ		2500.0000	2500.0000	0	0	(1)
DIS	0XU		151594.9300	3158.2277	2148.9172	4617845.1771	(48)
DIS	0YM		7500.0000	2500.0000	0	0	(3)
DIS	0X0		89123.0700	5570.1919	2941.6105	8653072.3502	(16)
DIS	0YN		145778.3800	3737.9072	2294.9229	5266671.1188	(39)
DIS	0X6		342643.6100	3724.3871	2372.8779	5630549.4787	(92)
DIS	0YR		15562.5000	3112.5000	4009.3305	.16074E+08	(5)
DIS	0YU		617011.3000	2952.2072	1367.3183	1869559.2963	(209)
DIS	0Y1		1053936.7500	3634.2647	2443.9787	5973031.7534	(290)

TOTAL CASES = 1307

Table F9

Criterion Variable -- DLB

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE DLB
BROKEN DOWN BY DIS

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE		N
FOR ENTIRE POPULATION			552788.3900	10236.8220	28010.4420	.78458E+09	(	54)
DIS	0YA		4265.1000	1421.7000	1877.0020	3523136.6700	(	3)
DIS	0YB		17900.0000	8950.0000	9121.6775	.83205E+08	(	2)
DIS	0YC		26658.8000	5331.7600	4813.9023	.23173E+08	(	5)
DIS	0YD		5700.0000	2850.0000	3747.6659	.14045E+08	(	2)
DIS	0YE		51405.0200	7343.5743	13425.7337	.18025E+09	(	7)
DIS	0XK		7500.0000	2500.0000	0	0	(	3)
DIS	0XL		4100.0000	1366.6667	981.4955	963333.3333	(	3)
DIS	0XR		144.4700	144.4700	0	0	(	1)
DIS	0XT		366397.2600	73279.4520	66458.6110	.44167E+10	(	5)
DIS	0XU		57172.7400	3009.0916	5332.8561	.28439E+08	(	19)
DIS	0X0		5016.0000	2508.0000	11.3137	128.0000	(	2)
DIS	0YT		6529.0000	3264.5000	795.4951	632812.5000	(	2)

TOTAL CASES = 54

Table F10

Criterion Variable -- DLF

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE DLF
BROKEN DOWN BY DIS

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE		N
FOR ENTIRE POPULATION			52544.3700	3090.8453	3197.3987	.10223E+08	(	17)
DIS	0YB		224.0000	224.0000	0	0	(	1)
DIS	0YD		170.0000	170.0000	0	0	(	1)
DIS	0YE		2800.0000	1400.0000	1555.6349	2420000.0000	(	2)
DIS	0XU		20631.3200	2947.3314	1416.3184	2005957.8489	(	7)
DIS	0YM		10000.0000	10000.0000	0	0	(	1)
DIS	0X0		7256.8600	2418.9533	1130.6108	1278280.6865	(	3)
DIS	0YN		212.1900	212.1900	0	0	(	1)
DIS	0Y1		11250.0000	11250.0000	0	0	(	1)

TOTAL CASES = 17

Table F11

Criterion Variable -- SB

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE SB
BROKEN DOWN BY DIS

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			40607.2800	863.9847	2539.4356	6448733.0344	(47)
DIS	0YA		211.4800	211.4800	0	0	(1)
DIS	0YB		1006.2100	335.4033	203.8653	41561.0472	(3)
DIS	0YC		1795.3600	448.8400	70.7487	5005.3824	(4)
DIS	0YD		704.8000	352.4000	208.7379	43571.5200	(2)
DIS	0YE		26600.8500	2660.0850	5271.0170	.27783E+08	(10)
DIS	0YF		415.8000	207.9000	47.0933	2217.7800	(2)
DIS	0XR		1939.4000	323.2333	206.8348	42780.6467	(6)
DIS	0XT		2059.6000	514.9000	29.8000	888.0400	(4)
DIS	0XU		4024.4800	574.9257	861.8542	742792.6573	(7)
DIS	0X0		654.6000	327.3000	244.2347	59650.5800	(2)
DIS	0X6		70.0000	70.0000	0	0	(1)
DIS	0YT		234.7000	234.7000	0	0	(1)
DIS	0YU		585.0000	292.5000	53.0330	2812.5000	(2)
DIS	0YZ		60.0000	60.0000	0	0	(1)
DIS	2SK		245.0000	245.0000	0	0	(1)

TOTAL CASES = 47

Table F12

Criterion Variable -- SF

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE SF
BROKEN DOWN BY DIS

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE		N
FOR ENTIRE POPULATION			43674.8500	715.9811	861.3455	741916.1205	(	61)
DIS	0YA		3469.0000	495.5714	173.6621	30158.5164	(	7)
DIS	0YC		500.0000	500.0000	0	0	(	1)
DIS	0YD		1100.0000	1100.0000	0	0	(	1)
DIS	0YE		3031.5000	275.5909	214.6728	46084.4208	(	11)
DIS	0XL		97.8000	97.8000	0	0	(	1)
DIS	0YF		311.3000	311.3000	0	0	(	1)
DIS	0XR		15143.6200	1081.6871	1262.0066	1592660.5938	(	14)
DIS	0XT		1298.7600	649.3800	29.0904	846.2498	(	2)
DIS	0XU		10771.4800	2692.8700	385.7400	148795.3476	(	4)
DIS	0X0		1353.3800	451.1267	84.6511	7165.8081	(	3)
DIS	0X6		601.9200	300.9600	281.4851	79233.8432	(	2)
DIS	0YR		500.0000	500.0000	0	0	(	1)
DIS	0YU		5327.0300	443.9192	100.8136	10163.3816	(	12)
DIS	0Y1		169.0600	169.0600	0	0	(	1)

TOTAL CASES = 61

Table F13

Criterion Variable -- RH

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE RH
BROKEN DOWN BY DIS

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			9643998.8600	5949.4132	4476.8765	.20042E+08	(1621)
DIS	0YA		1407126.2600	12909.4152	2927.9730	8573026.1412	(109)
DIS	0YB		46852.9900	3904.4158	2301.5193	5296991.0181	(12)
DIS	0YC		35791.0000	5965.1667	3361.2498	.11298E+08	(6)
DIS	0YD		716826.5700	2833.3066	1806.0594	3261850.6162	(253)
DIS	0YE		649572.7000	4389.0047	2373.1029	5631617.3715	(148)
DIS	0XK		471108.2100	9422.1642	4505.1115	.20296E+08	(50)
DIS	0XL		197994.5300	3093.6645	2036.5699	4147617.0911	(64)
DIS	0YF		51687.9300	3040.4665	1985.4367	3941958.9964	(17)
DIS	0XP		46807.4300	5850.9287	3947.6187	.15583E+08	(8)
DIS	0XR		637447.1300	3408.8082	2391.2969	5718301.0686	(187)
DIS	0XT		1652640.3000	11889.4986	4361.9691	.19026E+08	(139)
DIS	0YJ		897.2500	897.2500	0	0	(1)
DIS	0XU		1133730.5900	6229.2890	3652.4000	.13340E+08	(182)
DIS	0XZ		19420.2500	9710.1250	1711.3752	2928805.0313	(2)
DIS	0YM		1084.7600	1084.7600	0	0	(1)
DIS	0XO		804301.7400	5828.2735	3541.3888	.12541E+08	(138)
DIS	0YN		215261.6800	5006.0856	3352.6992	.11240E+08	(43)
DIS	0X6		462314.4900	7970.9395	4381.0890	.19193E+08	(58)
DIS	0YQ		5517.2800	2758.6400	2828.3140	7999360.0128	(2)
DIS	0YR		68995.2500	11499.2083	4120.1826	.16975E+08	(6)
DIS	0YT		50005.4400	8334.2400	4542.2429	.20631E+08	(6)
DIS	0YU		79852.3300	2575.8816	1333.0528	1777029.6615	(31)
DIS	0Y1		728520.8300	5059.1724	3114.4041	9699513.0273	(144)
DIS	070		33278.4200	8319.6050	5545.9989	.30758E+08	(4)
DIS	2SK		126963.5000	12696.3500	4079.5343	.16642E+08	(10)

TOTAL CASES = 1621

Table F14

Criterion Variable -- IIC

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE IIC
BROKEN DOWN BY DIS

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			201248.8200	910.6281	1086.2974	1180042.0993	(221)
DIS	0YA		1895.3400	379.0680	223.5796	49987.8169	(5)
DIS	0YB		800.0000	800.0000	0	0	(1)
DIS	0YC		1412.3900	1412.3900	0	0	(1)
DIS	0YD		8952.9500	559.5594	778.7490	606449.9880	(16)
DIS	0YE		19948.3700	949.9224	1643.8022	2702085.8341	(21)
DIS	0XK		1303.9800	434.6600	568.5917	323296.5036	(3)
DIS	0XL		9370.3400	1561.7233	2089.9163	4367750.3323	(6)
DIS	0YF		42.5000	42.5000	0	0	(1)
DIS	0XR		75579.4500	1111.4625	1065.3011	1134866.4176	(68)
DIS	0XT		6142.4300	1535.6075	1448.4327	2097957.1960	(4)
DIS	0XU		15821.6700	452.0477	836.5447	699807.0951	(35)
DIS	0XO		30095.2200	885.1535	678.6138	460516.7116	(34)
DIS	0YN		13229.3000	1202.6636	1162.7346	1351951.6908	(11)
DIS	0X6		174.5900	174.5900	0	0	(1)
DIS	0YQ		2360.0600	2360.0600	0	0	(1)
DIS	0YU		2358.6900	1179.3450	1283.2645	1646767.6680	(2)
DIS	0Y1		7121.5000	890.1875	1087.6976	1183086.0052	(8)
DIS	070		4640.0400	1546.6800	1537.7616	2364710.6473	(3)

TOTAL CASES = 221

Table F15

Criterion Variable -- CC

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE CC
BROKEN DOWN BY DIS

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			346551.6400	233.9984	309.0373	95504.0403	(1481)
DIS	0YA		6702.4700	203.1052	335.2718	112407.1572	(33)
DIS	0YB		18.0000	2.5714	.9759	.9524	(7)
DIS	0YC		1070.7500	82.3654	102.7841	10564.5745	(13)
DIS	0YD		51592.0300	200.7472	299.8923	89935.4151	(257)
DIS	0YE		11249.7400	102.2704	128.7350	16572.7001	(110)
DIS	0XK		13161.0800	329.0270	192.2263	36950.9343	(40)
DIS	0XL		4082.3300	78.5063	102.8864	10585.6045	(52)
DIS	0YF		2655.1700	85.6506	90.6690	8220.8585	(31)
DIS	0XP		1595.2500	265.8750	114.8782	13196.9937	(6)
DIS	0XR		17050.4500	77.8559	96.0613	9227.7645	(219)
DIS	0XT		7105.4400	182.1908	303.0799	91857.4260	(39)
DIS	0YJ		2532.7000	844.2333	1009.9864	1020072.4408	(3)
DIS	0XU		83658.3100	390.9267	342.2006	117101.2430	(214)
DIS	0XZ		539.2000	89.8667	99.8814	9976.2867	(6)
DIS	0YM		766.2500	255.4167	366.8868	134605.8958	(3)
DIS	0X0		106063.3300	541.1394	401.0247	160820.7926	(196)
DIS	0YN		18397.3400	334.4971	269.7342	72756.5402	(55)
DIS	0X6		2396.7500	66.5764	62.4370	3898.3785	(36)
DIS	0YQ		544.0000	136.0000	182.8469	33433.0000	(4)
DIS	0YR		505.5500	252.7750	24.0770	579.7012	(2)
DIS	0YT		68.8500	34.4250	20.4000	416.1612	(2)
DIS	0YU		3329.7600	128.0677	92.3527	8529.0253	(26)
DIS	0Y1		9963.7100	80.3525	85.3091	7277.6381	(124)
DIS	070		1503.1800	501.0600	381.6314	145642.5273	(3)

TOTAL CASES = 1481

Table F16

Criterion Variable -- SRP

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE SRP
BROKEN DOWN BY DIS

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			1654367.4700	2404.6039	1306.5675	1707118.6426	(688)
DIS	0YA		302504.0000	3644.6265	786.3103	618283.8954	(83)
DIS	0YH		2640.0000	1320.0000	1527.3506	2332800.0000	(2)
DIS	0YC		24128.0000	2193.4545	1338.5070	1791600.8727	(11)
DIS	0YD		256299.9300	2153.7809	1220.9372	1490687.7006	(119)
DIS	0XJ		539.2000	179.7333	260.2464	67728.2133	(3)
DIS	0YE		97988.3200	2041.4233	1401.5379	1964308.5129	(48)
DIS	0XK		25870.2400	1847.8743	1156.9085	1338437.3019	(14)
DIS	0XL		8580.0000	1225.7143	599.8571	359828.5714	(7)
DIS	0YF		36336.0000	1912.4211	658.5828	433731.3684	(19)
DIS	0XR		50928.1900	1958.7765	1341.3449	1799206.1892	(26)
DIS	0XT		245641.5400	1919.0745	1263.7381	1597034.0439	(128)
DIS	0YJ		1104.0000	1104.0000	0	0	(1)
DIS	0XU		112796.4100	2128.2342	1217.8257	1483099.4262	(53)
DIS	0XZ		2176.0000	2176.0000	0	0	(1)
DIS	0XO		279198.0800	3246.4893	1006.3804	1012801.5279	(86)
DIS	0YN		49798.4000	2489.9200	1082.4471	1171691.7491	(20)
DIS	0X6		31197.1600	2228.3686	1255.7522	1576913.7059	(14)
DIS	0YR		4000.0000	4000.0000	0	0	(1)
DIS	0YT		1224.0000	1224.0000	0	0	(1)
DIS	0YU		22690.0000	1890.8333	1163.2595	1353172.6970	(12)
DIS	0Y1		72328.0000	2260.2500	1046.2936	1094730.2581	(32)
DIS	2SK		26400.0000	3771.4286	604.7432	365714.2857	(7)

TOTAL CASES = 688

Table F17

Criterion Variable -- DP

FILE NONAME (CREATION DATE = 10/27/76)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE DP
BROKEN DOWN BY DIS

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			2226026.9200	2800.0339	1040.0815	1081769.5389	(795)
DIS	0YA		118105.3000	3473.6853	961.6276	924727.6765	(34)
DIS	0YB		34007.8200	2429.1300	1339.2113	1793486.9732	(14)
DIS	0YC		13110.0000	1872.8571	1270.8719	1615115.4762	(7)
DIS	0YD		249335.6600	2287.4831	813.4744	661740.6419	(109)
DIS	0YE		195583.9100	2607.7855	912.5699	832783.8163	(75)
DIS	0XK		26101.8900	2175.1575	951.5097	905370.6479	(12)
DIS	0XL		45822.3500	2082.8341	760.4909	578346.4141	(22)
DIS	0YF		20192.7300	2243.6367	860.7351	740864.9014	(9)
DIS	0XR		214607.9500	2554.8565	1015.2114	1030654.2466	(84)
DIS	0XT		302921.7400	3481.8591	917.1813	841221.5071	(87)
DIS	0XU		257227.3500	2679.4516	1002.1897	1004384.1644	(96)
DIS	0YM		8088.0500	2696.0167	967.2949	935659.4758	(3)
DIS	0X0		372976.3400	3518.6447	817.2861	667956.5301	(106)
DIS	0YN		22697.8100	1745.9854	1413.7284	1998628.0074	(13)
DIS	0X6		88927.2900	2540.7797	868.2831	753915.6231	(35)
DIS	0YQ		2500.0000	2500.0000	0	0	(1)
DIS	0YR		4000.0000	4000.0000	0	0	(1)
DIS	0YT		5930.6000	2965.3000	527.0774	277810.5800	(2)
DIS	0YU		50843.7200	2311.0782	498.2189	248222.0245	(22)
DIS	0Y1		183806.4100	3063.4402	878.2873	771388.5771	(60)
DIS	07Y		1240.0000	1240.0000	0	0	(1)
DIS	2SK		8000.0000	4000.0000	0	0	(2)

TOTAL CASES = 795

APPENDIX G:

INDIVIDUAL PAYMENTS COMPARISONS ON A NATIONAL LEVEL BY STATE AND DISTRICT

A file of all Docket Sheets since the inception of PL 91-646 was accessed and statistically analyzed, using programs from the Statistical Package for the Social Sciences (SPSS).

The file contained 12,855 separate payments for 7148 different applicants from 154 projects in 29 Districts and 37 states.

Overall, the results showed that, on the average, each applicant received $3,411.32; each applicant received 1.7894 payments; the average payment value was $1,896.86; and as of October 1976, $24,384,084 had been spent on PL 91-646 relocation payments.

On a national level, irrespective of Division/District and location, several conclusions can be drawn from the available data.

Distribution of Payments

Table G1 shows that, generally, of any 100 payments, almost 40 (38.87) were made for fixed moving expenses for dwellings (FMD). It further shows that five payment types account for more than 80 percent of all payments made.

Distribution of Costs Among the Payments

Generally, of every $100 spent on direct relocation payments, almost $40 is spent on replacement housing (RH), and five payment types account for more than 80 percent of all expenditures (Table G2).

Summary of All Docket Sheet Payments Through October 1976

Table G3 summarizes all Docket Sheet data. The first column identifies the payment type; the second column shows how many payments of each type were made; the third column shows how much was spent on each payment type; the fourth column shows the average amount spent on an individual applicant payment, and is the result of dividing total dollars spent by the number of payments made; the fifth column shows what percent of all relocation costs was spent on each payment type and corresponds to Table G2 data; and the sixth column shows the percent of each payment type made and corresponds to Table G1 data.

Tables G4, G5, and G6 summarize Docket Sheet data by District. Tables G7, G8, and G9 summarize Docket Sheet data by state.

Table G1

Distribution of Payment Types

	Percent of All Payments	
FMD	38.87	
RH	12.61	
CC	11.52	
FMF	10.17	
AMD	7.30	80.47 percent of total
DP	6.18	
SRP	5.35	92.0 percent of total
FMB	2.37	
IIC	1.72	
AMB	1.23	
AMF	1.17	
SF	0.47	
DLB	0.42	
SB	0.37	
DLF	0.13	

Table G2

Distribution of Relocation Funds Among Payment Types

	Percent of All Payments	
RH	39.55	
FMF	18.53	
DP	9.13	
FMD	8.78	
SRP	6.78	82.77 percent of all $
FMB	4.66	
AMD	3.83	91.2 percent of all $
AMB	2.80	
DLB	2.27	
CC	1.42	
AMF	0.85	
IIC	0.83	
DLF	0.22	
SF	0.18	
SB	0.17	

Table G3

Summed Costs for Docket Sheets Through October 1976

Payment Type	No. Payments Made	Total $ Spent	Average	$%	Payments %
AMD	939	934250	995	3.83	7.30
AMB	158	683748	4328	2.80	1.23
AMF	151	207660	1375	0.85	1.17
FMD	5010	2142072	428	8.78	38.87
FMB	305	1136501	3726	4.66	2.37
FMF	1307	4518048	3457	18.53	10.17
DLB	54	552788	10237	2.27	0.42
DLF	17	52544	3091	0.22	0.13
SB	47	40607	864	0.17	0.37
SF	61	43674	716	0.18	0.47
RH	1621	9643999	5949	39.55	12.61
IIC	221	201248	910	0.83	1.72
CC	1481	346552	234	1.42	11.52
SRP	688	1654367	2405	6.78	5.35
DP	795	2226026	2800	9.13	6.18
Totals	12,855	$24384084	$3411		7148

Average Payments Per Applicant = $\frac{12855}{7148} = 1.80$

Average Cost Per Payment = $\frac{24384084}{12855} = 1896.86$

Average Cost Per Applicant = $\frac{24384084}{7148} = 3411.32$

Table G4

Summary of All Docket Sheet Payments Through October 1976, by District

	AMD	AMR	AMF	FMD	FMR	FMF	DLR	DLF	SR	SF	RM	IIC	CC	SRP	DP
2SM ALAS	2718	23743		451					245		12696			3771	4000
0YT ALBE	7955			376	4493		3265		235		8334		34	1224	2965
0XU BALT	727	6843	2555	404	3488	3158	3009	2947	575	2693	6229	452	391	2128	2679
0YU FTWT	722	993	397	388	2500	2952			293	444	2576	1179	128	1891	2311
0YV GALV				273											
0YD HNTG	1033	2735	259	442	3476	2689	2850	170	352	1100	2833	560	201	2154	2287
0XR KC	404	1669	1421	466	2980	3570	145		323	1082	3409	1111	78	1959	2555
0YQ LA		11278		500							2759	2360	136		2500
0YZ LTRK		779		440					60						
0YE LOUI	731	4197	585	436	5171	3392	7344	1400	2660	276	4389	950	102	2041	2608
0XJ MEMP				123										180	
0YM MOBI	429	51966	81	396	2500	2500		10000			1085		255		2696
0YF NASH	666	467	737	402	2500	2500			208	311	3040	43	86	1912	2244
0TO NCD	4083										8320	1547	501		
0TY NFD				465											1240
0XK NEWO	975	1380	230	389	3913	3447	2500				9422	435	329	1848	2175
0XZ NORF	284		293	360							9710		90	2176	
0XT OMAH	2031	4881	3146	423	4227	5766	73279		515	649	11889	1536	182	1919	3482
0XO PHIL	778	1107	4784	431	3964	5570	2508	2419	327	451	5828	885	541	3246	3519
0YJ PITT		16500		376	7768	2500					897		844	1104	
0YA PORT	1064	268	3714	380	3218	2500	1422		211	496	12909	379	203	3644	3474
0X6 RID	687	7681	768	465	3323	3724			70	301	7971	175	67	2228	2541
0YR SACH	2028		1160	437	3000	3113				500	11499		253	4000	4000
0YN SAVA	305	301	435	389	2500	3738		212			5006	1203	334	2490	1746
0YB SEAT	841	2372	1043	422	4385	2500	8950	244	335		3904	800	3	1320	2429
0XL STLO	256	658	698	450	3911	2987	1367			98	3094	1562	79	1226	2083
0YI TULS	1012	172	8835	471	3071	3634		11250		161	5059	890	80	2260	3063
0XP WICK		300		419	425	2500					5851		266		
0YC WALL	1918	7039	5129	426	6510	3719	5332		449	500	5965	1412	82	2193	1873
ALL AVE	995	4328	1375	428	3726	3457	10237	3091	864	716	5949	911	234	2405	2800

Table G5

Average Payment Per Applicant

DISTRICT	TOTAL PAID	APPLICANTS PAID	AVERAGE PAYMENT PER APPLICANT
ALASKA	212926.59	41	5193.33
ALBUQUERQUE	105950.55	21	5045.26
BALTIMORE	2483458.30	1091	2276.31
FORT WORTH	864034.84	324	2666.77
GALVESTON	1090.00	4	272.50
HUNTINGTON	2106157.72	826	2549.83
KANSAS CITY	1981584.06	739	2681.45
LITTLE ROCK	2159.28	4	539.82
LOS ANGELES	23695.90	8	2962.36
LOUISVILLE	1945156.19	445	4371.14
MEMPHIS	1270.20	6	211.70
MOBILE	140145.21	24	5839.43
NASHVILLE	191804.84	128	1498.48
NEW ENGLAND DIV	2170.00	3	723.33
NEW ORLEANS	947590.03	261	3630.61
NORFOLK	24230.14	9	2692.24
NORTH CENTRAL DIV	96579.93	16	6036.25
OMAHA	3443158.60	536	6423.80
PHILADELPHIA	2331596.88	1032	2259.30
PITTSBURG	33557.35	9	3728.59
PORTLAND	2103009.64	307	6850.19
ROCK ISLAND	1110508.42	185	6002.75
SACRAMENTO	106427.28	16	6651.71
SAVANNAH	547187.88	207	2643.42
SEATTLE	183053.23	64	2860.21
ST LOUIS	553425.05	242	2286.88
TULSA	2419497.43	488	4957.99
VICKSBURG	57501.63	19	3026.40
WALLA WALLA	365152.10	93	3925.37
AVERAGE	2438400.00	7148	3411.32

DOCKET SHEET DATA

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Table G6

Average Payment Per Applicant Ascending
Values Per District

DISTRICT	TOTAL PAID	APPLICANTS PAID	AVERAGE PAYMENT PER APPLICANT
MEMPHIS	1270.20	6	211.70
GALVESTON	1040.00	4	272.50
LITTLE ROCK	2155.28	4	539.32
NEW ENGLAND DIV	2170.00	3	723.33
NASHVILLE	191804.44	128	1498.48
PHILADELPHIA	2331596.88	1032	2259.30
BALTIMORE	248345e.30	1091	2276.31
ST LOUIS	553426.05	242	2286.88
HUNTINGTON	2106157.72	826	2549.23
SAVANNAH	547187.86	207	2643.42
FORT WORTH	864034.84	324	2666.77
KANSAS CITY	1981589.06	739	2681.45
NORFOLK	24230.14	9	2692.24
SEATTLE	183053.23	64	2860.21
LOS ANGELES	23698.90	8	2962.36
VICKSBURG	57501.63	19	3026.40
NEW ORLEANS	947590.03	261	3630.61
PITTSBURG	33557.35	9	3728.59
WALLA WALLA	365152.10	93	3926.37
LOUISVILLE	1945156.19	445	4371.14
TULSA	2419497.43	488	4957.99
ALBUQUERQUE	105950.55	21	5045.26
ALASKA	212926.59	41	5193.33
MOBILE	140146.21	24	5839.43
ROCK ISLAND	1110508.42	185	6002.75
NORTH CENTRAL DIV	96579.93	16	6036.25
OMAHA	3443158.60	536	6423.80
SACRAMENTO	106427.28	16	6651.71
PORTLAND	2103009.64	307	6850.19
AVERAGE	24384000.00	7148	3411.32

DOCKET SHEET DATA

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Table G7

Summary of All Docket Sheet Payments Through October 1976, by State

STATE	AMD	AMH	AMF	FMD	FMH	FMF	DLR	DLF	SR	SF	RH	IIC	CC	SRP	OP
1ALABAMA	429	51966	81	370	2500	2500		10000			1084		44		2696
2ALASKA	2718	23743		451					245		12696			3771	4000
5ARKANS	282	779		344	2500	2500			60		6015		77	480	
6CALIF	2028	11278	1160	458	3000	3113				500	9314	2360	17	4000	3250
8COLOR	2314	3720	1405	416	5559	5823	53275		367	670	7009	2011	247	2067	3286
9CONN				485											1240
10DELAW				403							13440				3555
13GEORGIA	224	150	406	376	2500	8230		212			5424	226	213	2269	671
16IDAHO	657	3012	570	427	8775	2500	1000		350		8167		40	2015	2102
17ILL	165		2290	500		2750					5210		333		
18INDIANA	704	510	835	431	3642	3701	2067		413	277	4692	263	43	1560	2175
19IOWA	901	8120	973	463	2500	3682				301	2624		97	2000	2515
20KANSAS	613	849	2626	488	3752	4219			500	1393	5051	415	87	2001	2586
21KENTUCK	710	6822	238	436	4000	2678	172	2500	3878	225	5139	473	99	2336	2391
22LOUISIA	987	1380	258	391	4375		2500				9215	435	330	1970	2175
24MARYL				485											
26MICH	3966														
27MINN	298	30500	438	468	2500	3969					7147		40	1200	2544
28MISSISS	267	476	902	400	1808	2500			175		3717	43	132	2136	2252
29MISSOUR	357	1523	790	455	3297	3055	1061		288	262	3065	1345	73	1781	2458
30MONTANA	842	2372	1043	422	4385	2500	8950	224	335		3904	800	3	1320	2429
31NEBR	609	5708	4034	423	3749	6041			520		13331	109	103	1654	3563
34NEW J	882	1985	4784	434	5100	4344		2378		451	5366	1069	558	3560	3649
37NORTH C	464	377	505	392	2500	3650					5027	1439	341	2609	1941
38N DAK		6299		443		5580				629	7475		137		4000
39OHIO	1448	3750	471	447	5773	3421	12633	300	2983	382	3037	1281	219	1573	2596
40OKLA	922	172	8835	468	3031	3580		11250		169	4840	997	81	2177	3045
41OREGON	1616	197	3714	445	2500	2500	455		211	3469	9851	745	69	2047	2958
42PENN	689	2276	2555	410	3731	3657	2961	2891	520	2693	5836	573	472	2684	3043
45SOUTH C	178			370		2500					934	50	674		
46S DAK				500	2500								75		
47TENN	516	224	400			2500			241						
48TEX	695	993	344	386	2749	3076			293	444	2576	1179	128	1766	2311
51VIRGIN	246		293	380							9710		90	2176	
53WASH	1268	8534	9688	371	3652	4396	4911		482	500	13066	513	228	3686	3550
54W VIRG	954	5309	313	438	3189	2553	200	170			3215	279	206	2268	2306
55WISC	312	1318	486	465	3558	3588			70		9038	175	65	2533	2573
ALL AVE	995	4328	1375	428	3726	3457	10237	3091	864	716	5949	910	234	2405	2800
%COSTS	3.83	2.80	0.85	8.78	4.66	18.53	2.27	0.22	0.17	0.18	39.55	0.83	1.42	6.78	9.13
%PAYMTS	7.30	1.23	1.17	38.87	2.37	10.17	0.42	0.13	0.37	0.47	12.61	1.72	11.52	5.35	6.18

Table G8

Alphabetic State Listing of Total Amounts Paid,
Number of Applicants Paid, and Average
Payment Per Applicant

STATE	TOTAL PAID	APPLICANTS PAID	AVERAGE PAYMENT PER APPLICANT
ALABAMA	138967.71	23	6042.07
ALASKA	212926.59	41	5193.33
ARKANSAS	47917.35	20	2395.87
CALIFORNIA	130126.18	24	5421.92
COLORADO	1328612.12	251	5293.28
CONNECTICUT	2170.00	3	723.33
DELAWARE	18204.88	3	6068.29
GEORGIA	91011.62	44	2068.45
IDAHO	134646.10	37	3639.08
ILLINOIS	28040.90	7	4005.84
INDIANA	812566.84	175	4643.24
IOWA	214930.65	52	4133.28
KANSAS	953542.33	207	4606.48
KENTUCKY	1008509.31	247	4083.03
LOUISIANA	698844.43	172	4063.05
MARYLAND	485.00	1	485.00
MICHIGAN	35691.63	10	3569.16
MINNESOTA	243372.89	41	5935.92
MISSISSIPPI	188735.93	115	1641.18
MISSOURI	1803237.98	810	2226.22
MONTANA	183053.23	64	2860.21
NEBRASKA	2110965.60	289	7304.38
NEW JERSEY	811776.22	414	1960.81
NORTH CAROLINA	449331.69	157	2861.99
NORTH DAKOTA	84326.43	11	7666.04
OHIO	1025559.45	285	3598.45
OKLAHOMA	2153869.88	444	4851.06
OREGON	253174.32	55	4603.17
PENNSYLVANIA	3623341.48	1665	2176.18
SOUTH CAROLINA	6844.57	6	1140.76
SOUTH DAKOTA	5575.00	3	1858.33
TENNESSEE	3881.20	4	970.30
TEXAS	1124026.69	420	2676.25
VIRGINIA	24230.14	9	2692.24
WASHINGTON	2080341.32	308	6754.35
WEST VIRGINIA	1698747.85	638	2662.61
WISCONSIN	652503.26	93	7016.16
TOTAL	24384088.77	7148	3411.32

Table G9

Listing By State of Total Amount Paid, Number Applicants Paid, and Ascending Value of Average Payment Per Applicant

STATE	TOTAL PAID	APPLICANTS PAID	AVERAGE PAYMENT PER APPLICANT
MARYLAND	485.00	1	485.00
CONNECTICUT	2170.00	3	723.33
TENNESSEE	3881.20	4	970.30
SOUTH CAROLINA	6844.57	6	1140.76
MISSISSIPPI	188735.93	115	1641.18
SOUTH DAKOTA	5575.00	3	1858.33
NEW JERSEY	811776.22	414	1960.81
GEORGIA	91011.62	44	2068.45
PENNSYLVANIA	3623341.48	1665	2176.18
MISSOURI	1803237.98	810	2226.22
ARKANSAS	47917.35	20	2395.87
WEST VIRGINIA	1698747.85	638	2662.61
TEXAS	1124026.69	420	2676.25
VIRGINIA	24230.14	9	2692.24
MONTANA	183053.23	64	2860.21
NORTH CAROLINA	449331.69	157	2861.99
MICHIGAN	35691.63	10	3569.16
OHIO	1025559.45	285	3598.45
IDAHO	134646.10	37	3639.08
ILLINOIS	28040.90	7	4005.84
LOUISIANA	698844.43	172	4063.05
KENTUCKY	1008509.31	247	4083.03
IOWA	214930.65	52	4133.28
OREGON	253174.32	55	4603.17
KANSAS	953542.33	207	4606.48
INDIANA	812566.84	175	4643.24
OKLAHOMA	2153869.88	444	4851.06
ALASKA	212926.59	41	5193.33
COLORADO	1328612.12	251	5293.28
CALIFORNIA	130126.18	24	5421.92
MINNESOTA	243372.89	41	5935.92
ALABAMA	138967.71	23	6042.07
DELAWARE	18204.88	3	6068.29
WASHINGTON	2080341.32	308	6754.35
WISCONSIN	652503.26	93	7016.16
NEBRASKA	2110965.60	289	7304.38
NORTH DAKOTA	84326.43	11	7666.04
TOTAL	24384088.77	7148	3411.32

APPENDIX H:

REGIONAL ANALYSIS IN CONJUNCTION WITH LINEAR REGRESSION

Projects and the relocations involved can be separated into three regional groups based on the District, the state, or the counties in which they take place. One theory is that the smaller the region in question, the greater the precision in classifying that region's physical and economic status. Using samples of states and counties, several models relating relocation payments to the regional characteristics of population density, arability of land, housing availability, and cost of living were tested. Each model estimates a dependent variable (average payments) as some linear combination of these regional characteristics. The use of linear regression analysis assumes that while these regional characteristics jointly determine the dependent variable payments, they do not influence one another. The regional characteristics are the independent variables.

The groups of models tested can be separated by using the type of payment as the dependent variable. First, average total payment is estimated for each state, then for each county, and finally, for specific classes of payments made within that county.

The models all take some linear form and use the same regional characteristics to estimate average payments; however, the values of these characteristics may differ subject to availability of data.

Samples of Payments

Three samples of relocation payments taken from two different sources were used. The first sample was average payments made by state, and the second was average payments by county. These were taken from Payments -- Public Law 91-646 During FY 1976, by State, by District.* The summaries of these payments provided state totals. County totals were determined by locating the projects within counties. When projects were contained in two or more counties, the same payment figures were entered for each county. This provided samples for the first two groups of models and included samples of 23 states and 62 counties. They estimate only average total payment by region.

The summary for 1976 and other annual summaries include data from both active and final reports, and therefore reflect different degrees in completion of the relocation process. Active and final reports are not designated and therefore cannot be separated; in addition, there is some double counting in these summaries.

* Computer listings 5N16C and 5N15C available from the Engineering Data Processing Center (EDPC), Washington, D.C.

The third sample is a random sample of payments from final reports in 17 CE Districts from FY72 through FY76. County figures were determined as above by locating projects. In addition to total averages, five other classes of payments served as dependent variables. Residential Moving Expenses (REM) included in its average actual moving cost (AMD) and fixed moving cost (FMD) for dwellings. Business Moving Expenses (BEM) and Farm Moving Expenses (FEM) were averages of actual and fixed moving expenses plus the appropriate searching expenses (SB, SF). Owner Housing Payments (OHP) included payments for Replacement Housing (RH) and Increased Interest Costs (IIC). Tenant Housing Payments (THP) included payments for rent (RP) and down payment (DP). All these dependent variables are averages of the number of applicants receiving such payments.

Independent variables were based on both the opinions of CE estimators involved in relocation and on the availability of data. All independent variables used describe some aspect of the region. Density was a measure of the urban nature of the region and could reflect price competition or cost reduction due to agglomeration. Arability measured the farm use value of land. The difficulty of finding a new home and the cost of renting or purchasing available housing provided a measure of housing availability. Gross monthly rent represented the relative cost of living, and median income represented the standard of living.

In the models estimating state average payments, the percentage of the population classified as urban was substituted for density, and consumer price indices for the four Bureau of Commerce regions were divided by the national consumer price index (CPI) to provide a relative cost of living measure.

The Bureau of the Census City County Data Book* provided the county data from the 1969 to 70 census. The Statistical Abstract of the United States for 1975, and the Monthly Labor Review, provided the state demographic and agricultural data.[4]

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* As on file on the CDC 7600 computer at the Lawrence Berkeley Laboratory, Berkeley, California.

4 Statistical Abstract of the United States (U.S. Bureau of the Census, 1975 96th edition) Table No. 21, Tables 1036-37, pp 614-615; Monthly Labor Review (U.S. Bureau of Labor Statistics, December 1975), Table No. 24.

The following proxies were used as the independent variables:

State

Density (D):	Percentage of population classified urban by Statistical Abstract of the United States
Arability (A):	Value of farm product in the state divided by the number of acres devoted to farming
Cost of living (C):	Cost of living (from Bureau of Commerce four regions) divided by national CPI

County

Density (D):	Population per square mile
Arability (A):	Average value of farm produce per farm divided by average size of farm in acres
Housing Availability (H):	Total housing less occupied housing divided by population
Cost of living (R):	Gross monthly rent
Standard of living (I):	Median income.

Gross rent and median income were used to measure the cost of living because they seemed to be the best alternative to a cost of living index. The national consumer price index is based on a sample of metropolitan areas and is provided for a group of standard metropolitan statistical areas (SMSA), for four regions, or for the nation, but not for states or counties.

The following section briefly describes the models and their performances in estimating average payments. The statistical results of the regressions are shown in Table H1.

The first model tested estimated average total payments by states. Independent variables were density, arability, and the relative cost of living. This regression did not produce a high correlation coefficient (R),* but the F score** was significant at less than the .05 level.

* Correlation coefficient is a measure of the variance in the dependent variable payments explained by, or associated with, the independent variables. It can be read as a percent.

**The F statistic provides a test of whether the independent variables influence the value of the dependent variable. The significance level is the probability of rejecting the following hypothesis: jointly, the variables have no influence on the dollar amount of payments.

All coefficients had mathematical signs opposite what was expected. All were significantly different from zero at the .20 level, and three of the four were different at the .10 level. The results showed that arability of land depresses a state's average payment, urban conditions increase payments, farms receive lower payments than business, and more businesses relocated in urban areas. The fact that increases in the relative cost of living depress payments is difficult to explain.

To improve the estimate, county data were used. A regression with data from 62 counties relating average total payment to density, arability, housing availability, and rent produced a very poor fit; R^2 (unadjusted) = .05668, F score was significant only at the .50 level, and T tests* showed that only rent and the constant could be considered significant, even at the .20 significant level.

Samples for both the above regressions were taken from government summaries. Researchers felt that the inclusion of active and final reports in the sample introduced unnecessary and detrimental randomness. Therefore, a random sample of government Docket Sheets (only final reports) was used to eliminate this problem. The sample size was reduced to 26 counties. Researchers tried to find a relationship between average total payments and the independent variable; however, the F test and the correlation coefficient indicated the lack of meaningful relation.

Upon disaggregation of payments, however, the curve fits improved and may be considered good for four of five payment types: residential and farm expenses, and owner housing and tenant housing payments. For the last two, all coefficients are significantly different from zero at the .05 level. In the residential and farm expense equations, the coefficient for housing availability is positive and this is contrary to expectations. However, this coefficient is not significantly different from zero.

Introduction of the independent variable (median income) did not improve estimates except in the case of business payments; however, with the introduction of business payments, all coefficients became significantly different from zero. The correlation coefficient (adjusted R^2 = .40, compared with .19) and the F test (significant at .009, compared with .085) indicated an improved and meaningful fit. During this process, some sign changes occurred in the coefficients. Density now had a positive influence on payments. Arability, housing, and rent all had negative influences, and income had a positive influence. The plot of residuals** was more dispersed than in the earlier equation for BEM

* T test is analogous to the F test, except it tests each coefficient independently.

**The residual is the difference between the estimated value of the dependent variable for a given county or state and the actual value of that dependent variable.

(Table H1). Multicolinearity* may have had a role in these overall results, since income and rent are correlated with an R = .855.

Conclusion

While it cannot be said conclusively that county data, rather than state data, provide linear regression with a better fit, data from final reports do behave more predictably than data including both active and final reports. Attempts to estimate specific types of payments, rather than average total payments, also improve the estimate.

Density, arability, housing availability, and rent are variables to consider when estimating relocation payments for a project, although they are probably not the only variables to consider. The results of the regressions (Table H2) indicate density influences payments inversely, while arability, rent, and housing availability influence payments directly. The influence of these variables differs across payment types. This means that the estimator should consider the proportion of each type of applicant (farm, business, etc.).

The accuracy of these equations is considerably doubtful. Since each relocation is unique, a methodology for using these equations is not offered. It is recommended, however, that, if the estimator uses a national mean payment, this mean should be adjusted for the influence of these variables.

* Linear regression analysis assumes changes in any independent variable will not influence any other independent variable. When the independent variables influence one another, they are no longer independent and this is multicolinearity. When multicolinearity is strong, results are misleading.

Table H1

Residuals for Business Moving Expenses

WITHOUT INCOME

OBSERVATION	Y VALUE	Y ESTIMATE		RESIDUAL
1.	854.0000	1027.794		-173.7947
2.	453.0000	415.9590		37.04102
3.	453.0000	607.4812		-154.4812
4.	2344.000	975.3789		1368.621
5.	414.0000	464.6739		-50.67390
6.	500.0000	670.7426		-170.7426
7.	482.0000	768.1225		-286.1225
8.	302.0000	445.1788		-61.17881
9.	450.0000	518.4599		-68.45990
10.	1371.000	911.4703		459.5297
11.	1371.000	1025.281		345.7191
12.	331.0000	889.7600	(*)	-558.7600
13.	457.0000	575.1157		-118.1157
14.	480.0000	418.9427		61.05725
15.	472.0000	653.0530		-181.0530
16.	472.0000	723.2384		-251.2384
17.	460.0000	709.0391		-249.0391
18.	430.0000	259.0818		170.9182
19.	431.0000	637.0059		-206.0059
20.	453.0000	658.2311		-205.2311
21.	453.0000	403.1918		49.80843
22.	375.0000	441.7882		-66.78820
23.	375.0000	421.3929		-46.39287
24.	470.0000	-64.16055		534.1606
25.	437.0000	564.7212		-127.7212
26.	635.0000	684.0243		-49.02430

SD = 397.78491

WITH INCOME

OBSERVATION	Y VALUE	Y ESTIMATE		RESIDUAL
1.	854.0000	290.1059		563.8941
2.	453.0000	1184.059		-731.0590
3.	453.0000	1234.220		-781.2195
4.	2344.000	1410.918		933.0816
5.	414.0000	49.19376		364.8062
6.	500.0000	520.2557		-20.25575
7.	482.0000	188.6631		293.3369
8.	302.0000	-91.70945		473.7095
9.	450.0000	-9.604973		459.6050
10.	1371.000	1219.793		151.2074
11.	1371.000	1253.072		117.9276
12.	331.0000	2461.211	(*)	-2130.211
13.	457.0000	475.7210		-18.72098
14.	480.0000	568.7703		-88.77035
15.	472.0000	1314.778		-842.7775
16.	472.0000	1352.651		-880.6510
17.	460.0000	1942.329		-1482.329
18.	430.0000	-592.7136		1022.714
19.	431.0000	350.4246		80.57539
20.	453.0000	895.2043		-442.2043
21.	453.0000	149.7110		303.2890
22.	375.0000	345.1045		29.89549
23.	375.0000	-546.3099		921.3099
24.	470.0000	-736.2608		1206.261
25.	437.0000	266.3279		170.6721
26.	635.0000	309.0860		325.9140

SD = 341.07129

NOTE - (*) INDICATES ESTIMATE CALCULATED WITH MEANS SUBSTITUTED
R INDICATES POINT OUT OF RANGE OF PLOT

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Table H2

Results of Regression Analysis

RESULTS OF REGRESSION ANALYSIS

DEPENDENT VARIABLE	DENSITY	ARA-BILITY	HOUSING	COST OF LIVING	MEDIAN INCOME	CONSTANT	N		F.SCORE SIGNIF	R2 ADJ R2
TOTAL =	41.495U	-16.846A		-465.257C		+49269.681	23	S	3.9051 .025	.3814 .2838
	(1.352)&	(-1.779)$		(-1.944)$		(2.011)$				
TOTAL =	-1.234U	-3.253A	-9638.993H	+26.136R		+3292.333	62	C	.8562 .496	.0567 -.0095
	(-.575)	(-.704)	(-.999)	(1.416)&		(2.168)*				
TOTAL =	-.083U	+22.120A	+51588.80H	+36.143R		-2322.410	26	C	2.0366 .128	.2894 .1473
	(-2.493)*	(2.526)*	(1.757)$	(1.566)&		(-.784)				
REM =	-.979U	+1.340A	+3606.269H	+9.850R		-499.671	26	C	5.3864 .004	.5186 .4223
	(-2.902)*	(1.513)&	(1.215)	(4.221)*		(-1.667)&				
REM =	-.000U	-4.215A	-12070.37H	+3.188R		+41084.488	26	C	2.3885 .085	.3233 .1879
	(.059)	(-1.912)$	(-1.633)&	(.549)		(1.453)&				
REM =	-.903U	+12.456A	+9164.006H	+46.664R		-1957.393	26	C	3.4245 .027	.4065 .2878
	(-3.333)*	(1.705)$	(.374)	(2.423)*		(-.791)				
OHP =	-.031U	+10.289A	+21823.36H	+22.890R		-9[illegible]1.160	26	C	4.0418 .015	.4470 .3364
	(-2.911)*	(3.670)*	(2.322)*	(3.098)*		(-.992)				
THP =	-.182U	+51.850A	+86743.34H	+71.933R		-8198.260	26	C	4.3691 .011	.4663 .3596
	(-3.564)*	(3.878)*	(1.936)*	(2.042)*		(-1.812)$				
REM =	.045U	-16.009A	-29990.51H	-59.709R	+.590I	+2823.596	26	C	4.2400 .009	.5274 .4030
	(2.579)*	(-3.533)*	(-3.368)*	(-2.652)*	(1.864)$	(3.201)*				

T-VALUES ( )
*=.05 SIGNIFICANCE
$=.10 SIGNIFICANCE
&=.20 SIGNIFICANCE
N=SAMPLE SIZE C OR S DESIGNATE COUNTY AND STATE

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APPENDIX I:

EQUATION FOR CALCULATING CONFIDENCE INTERVALS

This appendix presents the equation for calculating confidence intervals and a tabulation (Table II) of calculated intervals for FY77 to FY80.

$$\bar{y} + a_1 (x - \bar{x}) \pm s_\varepsilon (t_{\alpha/2}, n - 2) \sqrt{1 + 1/n + ([x - x]^2 / \Sigma[x - \bar{x}]^2)}$$

where

$\bar{y}$ = average of the yearly average payments for FY72 through FY76

a_1 = term found from regression analysis (see Table I-1 for a value)

$\bar{x}$ = 1974, average year value for the years 1972 through 1976

s_ε = standard error of the estimate

$$= \frac{1}{n-2} \Sigma\{y_i - [\bar{y} + a_1(x_i - \bar{x})]\}^2$$

t = t values found from table
percentiles of the t distribution

α = .05, (for $(1-\alpha)$ confidence intervals)

n = number of historic data points

x = fiscal year (FY78=1978) that confidence intervals (UB, LB) will be calculated for

x_i = data point value of independent variable for fiscal year i

y_i = average payments for year i

Table II

Confidence Intervals for National Values

FISCAL YEAR	$\bar{y}$	a_1	S_ε		77	78	79	80
AMD	946.2	102.60	204.17	UB*	2195	2444	2709	2985
				LB	313	270	209	139
FMD	424.0	6.00	9.20	UB	484	497	510	524
				LB	400	399	398	396
AMB	5858.4	1937.80	6758.27	UB	42835	49594	56912	64600
				LB	-19491	-22374	-25818	-29630
FMB	3629.2	200.90	294.75	UB	5545	5949	6378	6820
				LB	2919	2917	2891	2850
AMF	972.6	141.50	170.57	UB	2184	2447	2724	3011
				LB	610	631	636	633
FMF	3357.2	123.90	68.48	UB	4045	4218	4396	4578
				LB	3413	3488	3558	3624
SB	675.2	135.00	614.80	UB	3915	4489	5113	5771
				LB	-1755	-2059	-2413	-2801
SF	643.4	44.90	223.54	UB	1809	2013	2236	2471
				LB	-253	-367	-500	-645
IIC	992.4	-91.60	196.56	UB	1624	1673	1737	1813
				LB	-188	-421	-669	-927
CC	222.2	45.20	28.93	UB	491	557	628	695
				LB	225	249	268	291
SRP	1635.4	626.70	377.41	UB	5256	6152	7079	8027
				LB	1776	2132	2459	2765
OP	2702.8	318.50	65.80	UB	3962	4327	4698	5073
				LB	3355	3627	3892	4155
RH	5389.2	1373.70	336.71	UB	11063	12677	14319	15978
				LB	7958	9091	10197	11284
TOTAL	3190.8	838.10	171.58	UB	6496	7457	8431	9415
				LB	4914	5629	6331	7023

*UB = Upper Bound
LB = Lower Bound

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1. Eminent domain. 2. Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970. 3. Relocation (housing) -- costs. I. Stamas, George D. II. Stawarz, Steven P. III. Title. IV. Series: U.S. Army Construction Engineering Research Laboratory. Technical report ; P-103.

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