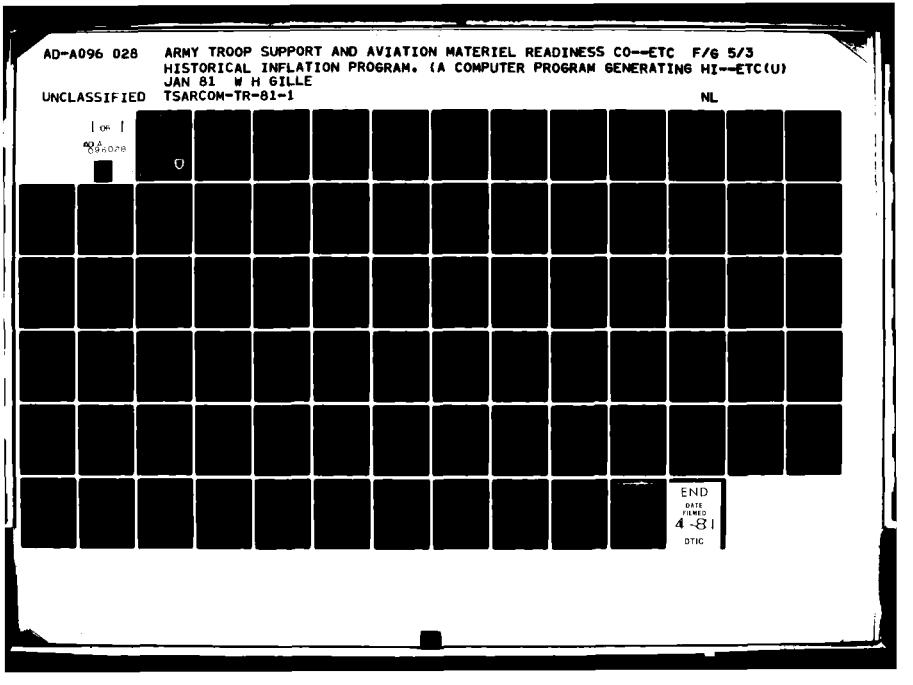
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(9) Final Rept.,

(10) WARREN H. GILLE, JR.

(11) FINAL REPORT
JANUARY 1981

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U.S. ARMY TROOP SUPPORT
AND AVIATION MATERIEL
READINESS COMMAND

COMPTROLLER
COST ANALYSIS DIVISION

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

This report extends and revises Technical Report 80-1 which presents and describes the Historical Inflation Program, a computer program generating historical inflation indices for Army aircraft. The program can be updated monthly, is easily revised for changes in Bureau of Labor Statistics methods, and is capable of handling data for all fiscal year formats. Output is expressed as monthly, quarterly, Fiscal Year, and Calendar Year inflation indices (in Calendar Year 1967 base) and inflation factors (in any Fiscal Year base). This report contains updated tables of inflation factors, expressed in a FY 80

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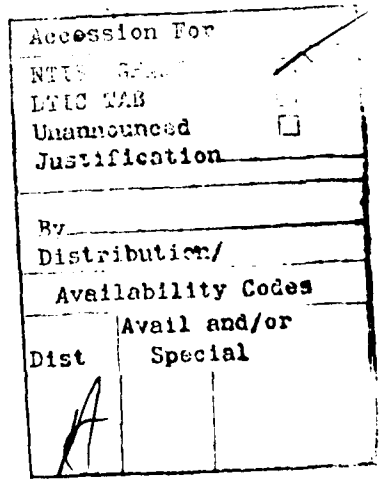
20. ABSTRACT.

base. These indices and factors provide a means of adjusting historical cost data for the procurement of Army Aircraft to constant year dollars. Additional features include: computations for the Derivation of Revised Weighting Factors, detailed indices enabling the adjustment of historical Labor and Material cost separately, a discussion of aggregate weighting factors for Labor and Materials, (including trends from sensitivity analysis with more background materials), and additional documentation aimed at making the report useful to a large cross section of the DOD/Rotary Wing Aircraft Community.

DISCLAIMER STATEMENT

The views, opinions, and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy, or decision unless so designated by other documentation.



ACKNOWLEDGEMENTS

The author extends his appreciation to the Kansas City Regional Office of the Bureau of Labor Statistics, U.S. Department of Labor, for special assistance with wage and price data.

Ms. Marva Campbell provided excellent clerical support in the revision of this paper.

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I. APPLICABILITY. The inflation indices and factors published in this report are applicable to the adjustment of historical costs for the procurement of Army aircraft. These costs are currently funded by the Aircraft Procurement, Army and Other Procurement Army appropriations.

II. AN OVERVIEW OF THE HISTORICAL INFLATION PROGRAM.

A. History.

The Historical Inflation Program for Army aircraft procurement was developed using a sequence of documents, the first being Aerospace Price Indices, by H.G. Campbell (RAND # R-568-PR, 12/70). Essentially, the RAND document established a basis for the construction of general indices, identified items of special interest and concern, and indicated that no substitute exists for thorough analysis of the specific items being characterized by an historical index. Several indices, designed specifically for rotary wing aircraft, have been developed for the adjustment of procurement cost since that time by the United States Army Aviation Systems Command, and this function has been carried over to the Components and Operational Studies Branch, Cost Analysis Division, Office of the Comptroller, USATSARCOM.

The current indices are based on research done in the period 1972 to date. In July 1973, the Office of the Comptroller, Cost Analysis Division, made a study of materials used in the Army helicopter systems then, or most recently, in production. Cost Information Reports were assembled, and contractors were asked to supply lists of materials for both airframe and engine, on the basis of contribution to weight. Contractor technical and engineering personnel provided assistance with data interpretation and definitions for items whose composition was unclear from engineering documents and Detailed Weight Statements.

The following aircraft were selected:

UH-1H	OH-6A	AH-1G
CH-47C	OH-58A	CH-54B

This selection of aircraft is deemed typical for several reasons. First, the six helicopter systems listed above make up the majority of the U.S. Army Air Order of Battle listed in Section III. Second, a number of these aircraft had been produced on a long term, continuing basis in previous versions. And, third, and most important, they are among the systems most likely to be used in developing Cost Estimating Relationships for new systems by use of parametric techniques.

The September 1973 Historical Inflation Cost Research Report, cited in the references, was the first report to make full use of this information. It was updated by the August 1974 Cost Research Report, and then by a series of expanded analyses under current title, Historical Inflation Program, since that time. A list of the assumptions and changes in methodology over the period referenced are included in the body of the Technical Section.

B. Construction of Indices - Methodology.

The indices are developed by a stepwise, building process, which computes the contributions to cost on a weighted value-added basis.

1. First, the contribution to cost of small parts and other purchased equipment is calculated.

2. Next, the cost contribution of purchased parts is combined with that of raw materials to get the cost of purchased materials.

3. Purchased material cost is then combined with contractor labor cost to compute the index for products such as engine or airframe.

4. The indices for engine, airframe, and avionics are combined to get an overall index for aggregate aircraft.

C. Indexing Technique.

The procedure used is "Cost-Weighting". The information obtained from 1973 research on "helicopter materials" established percentages based on weight. Because the indices used to track material costs are based on monetary considerations (e.g., Producer Price Index; Wages, by Standard Industrial Code), percentages by weight had to be transformed into percentage contributions to cost, if PPI and SIC inflation factors were to be applied directly. Based on the premise of profit maximization, contractors should tend to minimize the use of expensive materials subject to maintaining acceptable performance standards; essentially, materials with a high cost per unit weight ratio would be used sparingly. Adjusting a percentage based on weight using a monetary index would not only result in an improper index initially, but also one with diminishing reliability. The latter bias is avoided by calculating the contribution to cost, instead of merely the contribution to weight.

D. Weighting Factors. Although the model is developed by an iterative, stepwise process, the revised weighting factors in the table (at the end of Appendix B) implicitly include all calculations. The index, as stated, is merely the direct sum of

the products of the weights and their corresponding material index values. The development of weighting factors is illustrated in the Technical Section.

E. Data. The data used appear in two different forms. Yearly data are presented by Calendar Year 1947 to date, and monthly data for 1967 to date. The yearly data, pre 1958, are condensed into three columns; the data for 1958 and later are presented in an 18 column format - 14 columns for material inputs, and 4 for labor. Beginning with report 76-1B, all columns of the data set have been identified by PPI and SIC code, as well as a verbal description in the column heading. PLEASE NOTE: The data, their characterization, and any redefinition, by the Bureau of Labor Statistics over the years, are tracked in line diagram C-2.

F. Validity and Firmness of Data.

The Producer Price Index and Wage Data was supplied by the Kansas City Regional Office of the Bureau of Labor Statistics, U.S. Department of Labor. The data comes in three types of published form: (1) a cumulative history covering all relevant past years on a monthly basis. (2) A yearly edition (such as Wage and Price Index Annual Supplement) which lists the previous 12 months, and (3), monthly publications which list the most current month and several other months for comparison.

For data to be "firm" it must be at least 18 months old, in most cases, because it is benchmarked and adjusted after the fact. For example, small samples are taken throughout the year; however, during one month (the benchmark month), a much more comprehensive

sample is taken. Due to its significantly larger sample size, the benchmark month's sample is felt to be more representative than those of other individual months, and if the benchmark diverges from the pattern, the other months are adjusted proportionately to conform to its base as benchmark.

The data in the cumulative history "type" publication is felt to be firm or "final". Basically, such publications provide a chronological listing of all firm data available for the past history of those indices. However, the data in such publications is usually 18 to 24 months behind the current period. The data for each month listed in the Annual Supplements is not necessarily firm because benchmarks occur during the Calendar Year, and at different times for different series. Adjustments may not have been made before the Annual Supplements are published. The monthly publications, which contain information on the most current periods, are even more tentative. In general, the Producer Price Index Data are firm before Wage Indices for the corresponding month, probably due to the fact that it is easier to define and measure price changes for commodities than for human skills.

G. Particular Problems.

1. The Wage Data for the period CY 1971-CY 1973 changed, in many cases, during FY 75-FY 76. The wage-price freeze disallowed certain salary and wage increases, but a number of these were awarded on a retroactive basis based on legal decisions rendered several years after the fact. Because such payments involved costs directly attributable to labor services during the

period, these payments had to be incorporated in the indices to provide an accurate measure of labor earnings. *

2. With the September 1978 issue of Employment and Earnings, the reporting categories for a number of types of production labor were changed. In effect, the 1967 Standard Industrial Classification Code has been supplanted by the 1972 SIC Code.

The Changes are as follows:

SIC Code & Title		-to-	SIC Code & Title	
3674,9	Electronic Devices & Components		367X	Electronic Components and Accessories
3722	Aircraft Engines and Engine Parts		3724	Aircraft Engines and Engine Parts
3723,9	Aircraft Parts and Equipment		3728	Aircraft Equipment

The reclassification had little or no impact on this study due to the essential similarities, by definition, of the old and new labor categories.

3. Potential discrepancies in the data set were eliminated by comparing data elements with the most recent data in the BLS computer for the 14 material and 4 labor categories used in the report. All data were verified to be the latest and most accurate available, on 15 December 1980, by the Kansas City Regional Office, BLS.

*See BLS Bulletin No. 1312-10, Employment and Earnings 1909-75 for a detailed explanation (esp. p. 769).

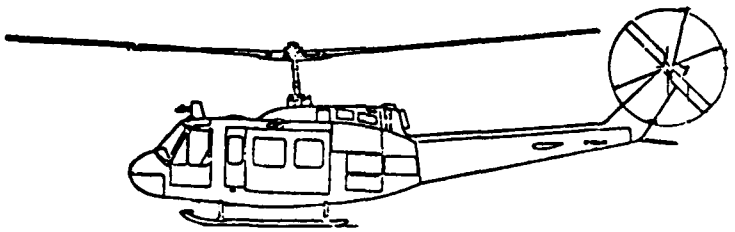
H. Change in Content from the Previous Reports.

A printout of the computer program used for the Historical Inflation Program is not included in this report, for two reasons. First, it was found that a list of structural equations would better serve the purpose of elucidating the model. At the same time, with the reduced form equations and clearly identifiable data sets, any index figure can be checked by direct calculation (See Appendix B, page B-4). Second, direct duplication of the deck from the original is more accurate and efficient than keypunching copies from the program source listings, should such an external need ever develop.

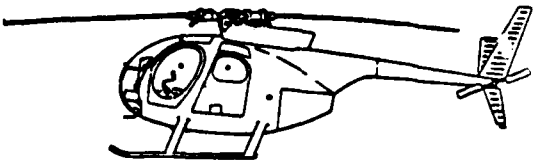
A sensitivity analysis, which displays the effects resulting from a change in the relative weights of labor and material in the Historical Index, has been included in this revision. The percentage contribution to cost attributable to labor and materials varies among aircraft systems, and the values used in this report--.378 (materials) and .622 (labor)--are an average for the six systems referenced. The sensitivity analysis yields a measure of the extent to which the index for a single aircraft system would vary, if that system is built with an aggregate labor/material mix which differs from the six system average. The accuracy of the re-weighted index, however, also requires that the other assumptions be well satisfied, i.e., the 14 material and 4 labor indices are typical of the system being reviewed. Because such weighting is a concern in developing estimates in inflated dollars, the effect of such "weighting changes" should be of significant interest to many readers.

DATA CONCERNING:

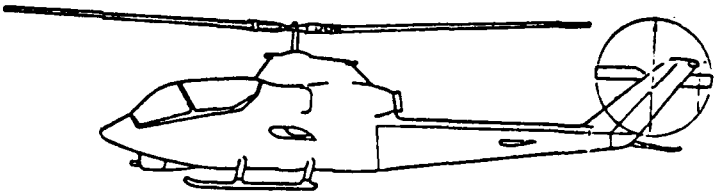
The Material Content of U.S. Army Helicopter Systems



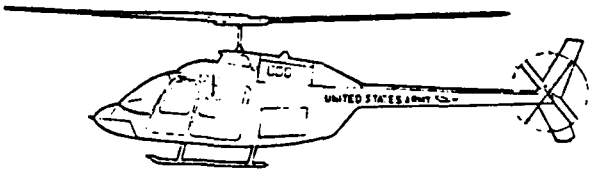
UH-1H "HUEY"



OH-6A "CAYUSE"

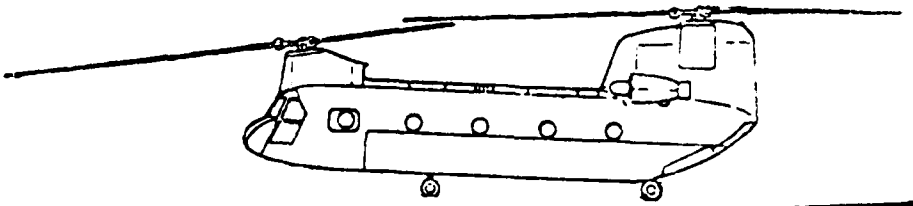


AH-1G "COBRA"

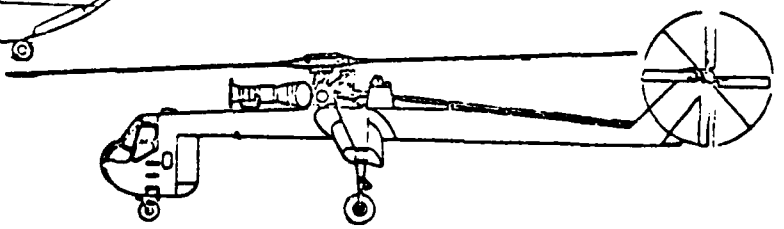


OH-58A "KIOWA"

U S ARMY AIRCRAFT



CH-47C "CHINOOK"



CH-54B "SKYCRANE"

UH-60A (Blackhawk)

Air Order of Battle

United States Army - Quantities and Types of Aircraft

ROTARY WING AIRCRAFT

System Designation	Popular Name	Approx Empty Wt.	No. of Aircraft	Percent of Fleet
AH-1	"COBRA"	5,800 lbs.	800	10.1%
UH-1	"HUEY"	5,100 lbs.	4,200	52.8%
OH-6	"CAYUSE"	1,200 lbs.	450	5.7%
OH-58	"KIOWA"	1,750 lbs.	1,900	23.9%
CH-47	"CHINOOK"	19,500 lbs.	430	5.4%
CH-54	"SKYCRANE"	19,800 lbs.	75	1.0%
UH-60A	"BLACK HAWK"	10,500 lbs.	91	1.1%
AH-64A	"ADV. ATTACK"	10,400 lbs.	0	0%
			7,946	100.0%

Sources: FM 101-20 (UNCLASSIFIED).
World Combat Aircraft Directory
Doubleday and Co.,
BLACK HAWK PM Office

AMSAV-CCE 31 July 1973

MEMORANDUM THRU: Mr. Gerald Dockins, Acting Chief, Estimates and Studies Branch

FOR: Mr. Edward P. Laughlin, Chief, Cost Analysis Division

SUBJECT: Material Composition Analysis of U.S. Army Helicopters, July 1973

1. On 6 June 1973, this office received a request from Mr. W.J. Tropf, AMC Comptroller Office, Cost Analysis Division, for the material composition of a UH-1H helicopter. On 18 June 1973, Chief, AVSCOM Comptroller Office, Cost Analysis Division requested a similar analysis be performed on the following Army helicopters:

a. CH-47C.

b. OH-6A.

c. OH-58A.

d. AH-1G.

e. CH-54B.

2. A search of the technical data files and aircraft drawings failed to produce the desired data. The analysis was completed with the assistance of AVSCOM Systems Engineering Division, Directorate of RD&E and pertinent U.S. Army Plant Activities. Contractors were also contacted during the data search, and others. The data obtained are a combination of expert opinion, engineering estimates and contractor data obtained under previous contracts.

3. The following Cost Analysis personnel were assigned to this project:

Aircraft System	Assigned To
UH-1H	Gerald Dockins
CH-47C	James Cadell
OH-6A	John Thilmany
OH-58A	Gerald Dockins/James Cadell
AH-1G	Gerald Dockins/James Cadell
CH-54B	James Cadell

AMSAV-CCE 31 July 1973
SUBJECT: Material Composition Analysis of U.S. Army Helicopters, July 1973

4. Copies of the Material Composition Analysis have been placed in the following files:

a. A new file folder titled "Material Composition Analysis".

b. A complete copy of the findings placed in the file folder titled "Inflation".

c. A separate file of the findings relating to turbine engines has been created.

5. Summary Tables and Material Composition Analyses are inclosed.

James N. Cadell

1 Incl
as

JAMES N. CADELL
Math-Stat

Material Composition Analysis
of Army Helicopters
(Dated July 1973)
Material (Pounds)

U.S. Army Helicopters

Aircraft Model	Empty Weight	Aluminum	Steel	Magnesium	Titanium	Copper	Brass	Bronze	Lead	Tungsten	Nickel Alloy	Nonmetalic
AH-1G	5,394	1,888	1,780	216	108	593	0	0	216	0	0	593
UH-1H	4,973	1,579	1,718	280	70	400	100	0	100	0	0	726
OH-6A	1,163	666	218	46	1	30	23	3	0	1	25	150
OH-58A	1,586	536	543	55	15	101	0	0	43	0	0	293
CH-47C	20,483	8,312	7,989	1,304	63	676	4	16	0	45	0	2074
CH-54B	19,765	8,931	3,860	72	970	516	20	23	1	0	788	4584

U.S. Army Turbine Engines

Engine Model	Dry Weight	Aluminum	Steel	Magnesium	Titanium	Copper	Nickel Alloy	Nonmetalic	Stainless Steel	Steel Alloy
T53-L-13	527	79	316	80	26	3	0	23	0	0
T63-A-5A	138	1	108	26	0	0	0	3	0	0
T63-A-700	138	1	108	26	0	0	0	3	0	0
T55-L-7C	590	0	510	50	20	10	0	0	0	0
T73-P-700	981	1	0	0	0	0	290	0	596	94

U.S. Army Helicopter Airframe, Only.

Aircraft Model	Airframe Weight	Aluminum	Steel	Magnesium	Titanium	Copper	Brass	Bronze	Lead	Tungsten	Nickel Alloy	Nonmetalic
AH-1G	4,867	1,809	1,464	136	82	590	0	0	216	0	0	570
UH-1H	4,446	1,500	1,402	200	44	400	100	0	100	0	0	700
OH-6A	1,025	666	109	20	1	30	23	3	0	1	25	147
OH-58A	1,448	536	434	29	15	101	0	0	43	0	0	290
CH-47C	19,303	8,312	6,969	1,204	23	656	4	16	0	45	0	2,072
CH-54B	17,803	8,928	2,480	72	970	516	20	23	1	0	209	4,584

TABLE 3 **

SUMMARY OF AIRFRAME AND ENGINE CIR DATA*

	(1) Airframe	(2) Engine
Labor	62.08%	40.85%
Material	37.92%	59.15%
Total Cost	100.00%	100.00%
Raw Material	41.88%	70.58%
Purchased Equipment	58.12%	29.42%
	100.00%	100.00%

(1) Airframe factors were obtained from a sample of 15 CIR reports representing the AH-1, CH-47, CH-54, OH-6, and OH-58 aircraft systems.

(2) Engine factors were obtained from a sample of 14 CIR reports representing 11 different turbine engine configurations procured from Lycoming, Allison, General Electric, and Pratt & Whitney.

*As adjusted by Labor and Material price movements.

** From HISTORICAL INFLATION INDICES FOR ARMY AIRCRAFT U.S. Army Aviation Systems Command, St. Louis, 1974, p. 11.

TECHNICAL SECTION

IV. ANALYSIS: (TECHNICAL SECTION).

A. Chronology. Previous efforts related to the development of inflation indices include Aerospace Price Indexes by H.G. Campbell, RAND Corporation, December 1970 (Reference 1) and two Cost Research Reports: Historical Inflation Indices for Army Aircraft, Cost Analysis Division, Office of the Comptroller, US Army Aviation Systems Command, September 1973 (Reference 4), and Historical Inflation Indices for Army Aircraft, Cost Analysis Division, Office of the Comptroller, US Army Aviation Systems Command, August 1974 (Reference 5).

1. Characteristics of the RAND Report.

a. Specific Producer Prices and Price Indexes (Reference 8) and Employment and Earnings (Reference 2) data have been selected as proxy series for similar commodity and labor categories experienced in the procurement of Army aircraft. Aircraft inflation indices are constructed from a weighted average of these proxy series. The weighting factors for this average are derived from estimates of the relative contribution to the total aircraft cost made by each component (commodity or industry labor group) comprising the index. The index is thus a "cost-weighted" series.

b. A 2½ percent compounded annual rate for growth of overhead ratios is assumed.

c. No adjustment is made for productivity increases.

d. Indices are developed on a Calendar Year basis.

2. Characteristics of the September 1973 Cost Research Report.

a. As with the RAND Report, aircraft inflation indices have been constructed from a weighted average of Producer Prices and Price Indexes and Employment and Earnings data selected as proxy series for their similarity to those commodities and labor categories experienced in the procurement of Army aircraft. Weighting factors are proportional to the relative physical weights or masses, rather than the relative costs (as in the RAND Report), of commodities comprising the "composite material" portion of the index. Thus, the "composite material" portion of the index represents a "weight-weighted" series.

b. Like the RAND Report, a 2½ percent annual growth in the overhead ratio is assumed.

c. No adjustment is made for productivity increases.

d. Indices are developed on a Calendar Year basis.

e. For years for which certain specified Producer Price Indexes were unavailable, data has been projected from adjacent years.

3. Characteristics of the August 1974 Research Report.

a. As before, Producer Prices and Price Indexes and Employment and Earnings data have been selected as proxy series most similar to those commodities and labor categories experienced in the procurement of Army aircraft. The indices have been constructed from a weighted average of these proxy series utilizing the weighting factors used in the September 1973 Cost Research Report. The "composite material" portion of the index represents a "weight-weighted" series.

b. Unlike RAND and the September 1973 Cost Research Report, no adjustment for overhead growth is assumed.

c. No adjustment for productivity increases is assumed.

d. Indices have been extended to FY 1974 by assuming that data for the September 1973 Cost Research Report represented December and hence the Fiscal Year midpoint, rather than the annual average, of each calendar year.

e. For years for which certain specified Producer Price Indexes were unavailable, data has been projected from adjacent years.

B. Data Sources. Data sources for this report are Producer Prices and Price Indexes (reference 8) and Employment and Earnings (reference 2). To insure that the latest revisions were incorporated into the data base, data was obtained from the Bureau of Labor Statistics Information Center, and Annual Supplements to the Producer Prices and Price Indexes. For Employment and Earnings, data for any given month was obtained from the latest available source. Data used in this report are displayed in Appendices D, E, G, and H.

C. Methodology.

1. Overhead and Productivity Adjustments. On the basis of data covering a ten year period, the RAND Report concluded that there exists a secular growth trend of 2½ percent per year in the production overhead rate. The report also concludes that there has been little, if any, improvement in productivity to counteract the observed trend in overhead growth. This conclusion appears to

be unwarranted, particularly in light of productivity gains recorded (as measured by Industrial Production Indices) for similar sectors of industry. Thus, in order not to unduly bias the results of the analysis, this report makes no adjustment for either overhead growth or improvements in productivity.

2. Revision of Weighting Factors. From a number of Cost Information Reports, the following weighting factors were developed and reported in the September 1973 Cost Research Report. For the Airframe:

(.378) Raw Material + (.622) Labor 3723,9 (3728)
= Purchased Equipment

(.582) Purchased Equipment + (.418) Raw Material
= Total Material

(.378) Total Material + (.622) Labor 3721 = Total Airframe

For the Engine:

(.599) Raw Material + (.401) Labor 3723,9 (3728)
= Purchased Equipment

(.295) Purchased Equipment + (.705) Raw Material
= Total Material

(.599) Total Material + (.401) Labor 3722 (3724)
= Total Engines

And for Avionics:

(.315) Material + (.685) Labor 3674,9 (367x) = Total Avionics

In the previously published indices, the weighting factors used to develop the material portion of the indices were made proportional to the relative physical weights of the various commodities used in the construction of the aircraft. The material portion of these indices thus represent a "weight-

weighted" series. In order to be consistent with the intended purposes of an inflation index, the methodology in this program uses index weighting factors proportional to the numerical products obtained from multiplying the relative physical commodity weights by the appropriate base year cost per pound. This yields a "cost-weighted" index giving more weight to such expensive commodities as titanium. Unfortunately, however, price per pound data are not published in Producer Prices and Price Indexes for each of the commodities used in constructing the indices. To overcome this difficulty, the per pound price is estimated from the available data of the most closely related commodities. To minimize the effect from related commodities which have relatively little economic impact, each price per pound estimate has been developed from a weighted average of available data utilizing the Bureau of Labor Statistics 1975 revised relative weights published in the 1975 Annual Supplement to Producer (Formerly Wholesale) Prices and Price Indexes. The available data then constitutes a weighted sample from which a surrogate price per pound is computed for the Producer Price series in question. See Appendix A for the Computations for the Derivation of these Revised Weighting Factors, along with their associated cost contribution per pound.

3. Construction of Indices.

a. Calendar Year 1967 has been taken as the base of these indices because this year represents the approximate midpoint of the period(1958 - 1980)for which the data supports the develop-

ment of each of the indices, including those which account for avionics. Furthermore, 1967 conforms to the base used by the Bureau of Labor Statistics for Producer Price Indexes.

b. Appendix B contains the current Producer Price Index series, Earnings series, and the associated weighting factors used in the construction of the indices published in this report. Since some of these series have been in existence for only a limited time, other closely related series have been substituted with appropriate mathematical adjustments to insure continuity of the indices. This technique is considered preferable to the synthesis of data by projection from adjacent years. Appendix C depicts the historical flow and identifies the effective dates of series conversions, for the Producer Price Index and Earnings data used in the development of the indices published in this report.

c. The term "aggregate" has been selected to indicate inflation indices applicable to the combined Airframe and Engine (aggregate Air Vehicle Excluding Avionics) and to the combined Airframe, Engine, and Avionics (Aggregate Air Vehicle Including Avionics) to avoid confusion with the term "composite" as in "composite escalation indices". Aggregate indices are based upon a standard 70-20-10 weighting (see Reference 6) of the Airframe, Engine and Avionics Indices respectively. Aggregate indices are intended for the adjustment of historical cost data for which the distribution of costs for the Airframe, Engine, and Avionics components is unavailable.

d. A new section depicting the raw material portion of

the inflation indices is published as Appendix I. It is intended for applications requiring greater accuracy. Appropriate labor indices can be obtained from the Bureau of Labor Statistics Employment and Earnings series (Reference 2) as follows:

Labor Category	1967 SIC Code	1972 SIC Code	Industry
Airframe Contractor	3721	3721	Aircraft
Airframe Subcontractor	3723,9	3728	Other aircraft part & equipment
Engine Contractor	3722	3724	Aircraft engines & engine parts
Engine Subcontractor	3723,9	3728	Other aircraft parts & equipment
Avionics	3674,9	367X	Other electronic components
Aggregate Air Vehicle Excluding Avionics	372	372	Aircraft and parts

e. The basic Computational Methodology is as follows :

(1) For Components: Airframe, Engine, and Avionics.

(a) Calendar Year indices are computed using sum of weighted calendar year labor and material indices.

(b) Fiscal Year indices are computed in a manner similar to Calendar Year, but the yearly fiscal averages are generated from the monthly data.

(c) Quarterly Indices are computed by averaging three months data from the monthly data set.

(d) Monthly indices are computed by direct calculation using monthly data. It is a weighted average of monthly figures computed using the same methodology as in computing the Calendar

Year indices.

For additional information, see Appendix B.

(2) Aircraft System Cost

The inflation indices for "Aggregate Vehicle" and Aggregate Vehicle without Avionics" are produced by combining the three separate indices:

Component	Relative Weight
Airframe Index	70%
Engine Index	20%
Avionics Index	10%
Aggregate Vehicle	100%

Component	Relative Weight w/o Avionics
Airframe Index	78%
Engine Index	22%
Aggregate Vehicle without Avionics	100%

b. Reduced form equations are displayed in Appendix B, page B-3.

$$\begin{array}{l} (.7) \vdots (.2 + .7) = .78 \\ (.2) \vdots (.2 + .7) = .22 \\ \qquad\qquad\qquad\quad 1.00 \end{array}$$

V. DESCRIPTION OF COMPUTER PROGRAM AND ASSOCIATED APPENDICES.

The Historical Inflation Program is a computer program used to generate historical inflation indices for Army aircraft and their major subsystems. Appendices D and G contain the annual data used by the program, while the monthly data, commencing July 1967, are in Appendices E and H. Producer Price Index and Earnings data in these Appendices have been arrayed into columns with the same numerical code sequence used in Appendix B. Historical inflation indices and factors are published in Appendix F. Fiscal Year, quarterly, and monthly indices have been developed from the appropriate monthly data. A section containing the raw material portion only of these indices is published as Appendix I. The labor portion of these indices may be obtained by applying the methodology described on page B-2, bottom of page, to the data contained in Appendices D and E.

VI. SENSITIVITY ANALYSIS

Many considerations are important when constructing Historical Indices for tracking purposes. These certainly include the following:

a. The nature of the items chosen to comprise the index.

(1) How typical or representative the items are.

(2) How closely the proxy items approximate the actual items, if indices for the actual items are not obtainable.

(3) The number of items used, and the detail in the analysis which produced the indices.

b. The determination of the percent contribution to cost - "Cost Drivers".

c. The weighting factors employed in the overall analysis.

A difficult problem confronting cost analysts, who must determine the validity of an historical index for tracking purposes, relates to aggregate labor/material weighting factors. In tracking major weapons systems, the ratio is often stated as say 40/60 - that is 40 percent material and 60 percent labor - as percent contributions to cost. Because it is difficult for analysts to determine the "correct" aggregate mix of labor and material, being external to the project, the aggregate split is certainly of interest.

The value for any index depends on three factors:

a. The number of factors employed, and the quality and depth of the analysis.

b. The values for each component of cost used in the construction of the index.

c. The weights, or levels of importance, given to the factors, individually and collectively.

The objective of this sensitivity analysis is to shed some light on the way in which the aggregate labor/material split affects the index, which has been a controversial issue for some time. Using a set of recursive linear equations, the effect on the historical inflation index, for airframe resulting from varying the aggregate weighting scheme was calculated, in both raw and percentage terms. The calculations were made using a Wang system 2200 minicomputer, and a sample printout follows. The results provide evidence that the key to a successful index resides in item (1), the number of factors employed, and the quality and detail in the analysis used in preparing the index. Because wages are often tied to the Producer Price Index, or other price indices, in labor agreements, it is not surprising that aggregate weighting percentages for labor and material might not be an extremely sensitive issue. However, the calculations provide strong support

for the position that the identification of cost components and the depth and quality of detail in an analysis are of paramount importance, when developing an index to be used in controlling the cost of a major weapon system.

---- EXAMPLE ----

******** S E N S I T I V I T Y A N A L Y S I S ********

SENSITIVITY OF AIRFRAME INDEX TO CHANGES IN GROSS WEIGHTING FACTORS

CALENDAR YEAR 1978

GROSS MATL	GROSS LABOR	PURE MATL	PURE LABOR	NEW INDX	CURR INDX	PERCENT CHANGE
375	.6220	.2411	.7588	2.1471	2.1470	0.00
200	.8000	.1068	.8911	2.1659	2.1470	0.88
250	.7500	.1408	.8591	2.1611	2.1470	0.66
300	.7000	.1777	.8223	2.1559	2.1470	0.41
350	.6500	.2175	.7824	2.1504	2.1470	0.15
400	.6000	.2602	.7396	2.1444	2.1470	- 0.12
450	.5500	.3059	.6940	2.1380	2.1470	- 0.41
500	.5000	.3545	.6455	2.1312	2.1470	- 0.73
550	.4500	.4059	.5940	2.1239	2.1470	- 1.07
600	.4000	.4602	.5396	2.1161	2.1470	- 1.42
650	.3500	.5175	.4824	2.1081	2.1470	- 1.80
700	.3000	.5777	.4222	2.0998	2.1470	- 2.19
750	.2500	.6408	.3591	2.0910	2.1470	- 2.60
800	.2000	.7068	.2931	2.0817	2.1470	- 3.03

SIC 3721 - 7.700 SIC 1723.9 - 6.420 NEW MAT IND = .4920

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6. Letter, subject: Historical Cost Inflation Indices for Army Hardware and R&D Costs. Washington, DC: US Army Materiel Command, 26 October 1972

7. Memorandum, subject: Material Composition Analysis of US Army Helicopters. St. Louis, MO: US Army Aviation Systems Command, Office of the Comptroller, Cost Analysis Division, 31 July 1973.

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2. International Financial Statistics. Washington, DC: International Monetary Fund, Monthly.

3. Letter, subject: Inflation Guidance. Alexandria, VA: U.S. Army Materiel Development & Readiness Command, Office of the Comptroller, Cost Analysis Division, 3 Sept 1980.

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APPENDIX A

Computations For The Derivation Of Revised Weighting Factors For The Historical Inflation Program

COMPUTATIONS FOR THE DERIVATION OF
REVISED WEIGHTING FACTORS
FOR THE HISTORICAL INFLATION PROGRAM

PPI CODE	Commodity[1]	1967 Price Per Pound	Weight[2]	Product[3]	Weighted[4] 1967 Price Per Pound
07	RUBBER AND PLASTIC PRODUCTS				.2376
07 11 01 01	Latex	.2642	.006	.001585	
02	No. 1 Ribbed Smoked Sheets	.1992	.009	.001793	
03	No. 2 Ribbed Smoked Sheets	.1951	.021	.004097	
04	No. 3 Amber Blanket	.1820	.021	.003822	
02 11	Butyl, Regular	.25	.012	.003	
12	Neoprene, GN Type	.41	.020	.008199	
13	Styrene Butadiene, Hot	.2224	.021	.004671	
15	Polybutadiene, Non-Staining	.2476	.009	.002228	
03 21	Whole Tire Reclaim	.113	.009	.001017	
			.128	.030412	
10 13 02 62	SHEETS, C.R., CARBON	.0737			.0737
10 13 02 64	SHEETS, C.R., STAINLESS	.5531			.5531
10 15 01 41	STEEL CASTINGS				
10 15 01 53	CLOSED DIE FORGINGS				.0497
10 15 01 11	Ingot Molds	.0497			
10 22 01 11	LEAD, PIG, COMMON	.14			.14
10 22 01 51	MAGNESIUM, PIG INGOT	.3595			.3595
10 25 01 01	ALUMINUM SHEET	.4185			.4185

PPI CODE	Commodity[1]	1967 Price Per Pound	Weight[2]	Product[3]	Weighted[4] 1967 Price Per Pound
10 25 01 13	ROD, SCREW, MACHINE STOCK	.6315			.6315
10 25 01 17	EXTRUSION, SOLID CIRCLE SIZE 4 TO 5				.6315
10 25 01 13	Rod, Screw, Machine Stock	.6315			
10 25 02	COPPER AND BRASS MILL SHAPES				.6216
31	Cartridge Brass Strip, 70-30 Alloy	.6033	.121	.073	
32	Yellow Brass Rod (62-35-3 Alloy)	.4602	.082	.03774	
33	Yellow Brass Tube (70-30 Alloy)	.7841	.048	.03764	
55	Copper Sheet or Strip	.6924	.108	.07478	
			.359	.22316	
10 25 04 63	MONEL SHEET, CR 400 ALLOY	1.3752			1.3752
10 25 05	TITANIUM MILL SHAPES[5]				5.2926
25	Titanium Bar, Ground, 6AL-AV	5.2926			

NOTES:
1. Capitalized and Underlined Commodity Titles indicate PPI Series actually used in the Historical Inflation Program.
2. Weight is Bureau of Labor Statistics Revised Relative Weight for the Wholesale Price Index. Source: 1975 Annual Supplement to Producer Prices and Price Indexes.
3. Product = (1967 Price Per Pound) x (Weight).
4. Weighted 1967 Price Per Pound = $\frac{\text{Product}}{\text{Weight}}$

NOTES (Continued):

5. 1967 Titanium Bar Price Per Pound computed by utilizing Titanium Sponge index as surrogate for 1967 - Dec 1970. Titanium Mill Shapes index established December 1970. Titanium Sponge index for December 1970 is 95.5.

Figures may not sum due to rounding.

COMPUTATIONS FOR THE DERIVATION OF REVISED WEIGHTING FACTORS FOR THE HISTORICAL INFLATION PROGRAM

PPI Code	Commodity	contrib. to weight Airframe	contrib. to weight Engine	1967 COST Per Pound	contr. to cost per lb. Airframe	contr. to cost per lb. Engine	contr. to cost weighting factors Airframe	contr. to cost weighting factors Engine
07	Rubber and Plastic Products	.17	.012	.2376	.04039	.00285	.0211	.0023
10 13 02 62	Sheets, C.R., Carbon	.055		.0737	.00405		.0021	
10 13 02 64	Sheets, C.R., Stainless		.584	.5531		.32301		.2625
10 15 01 41	Steel Castings	.22		.0497	.01093		.0057	
10 15 01 53	Closed Die Forgings		.146	.0497		.00725		.0059
10 22 01 11	Lead, Pig, Common	.01		.14	.0014		.0007	
10 22 01 51	Magnesium, Pig Ingot	.033	.077	.3595	.01186	.02768	.0062	.0225
10 25 01 01	Aluminum Sheet	.256	.021	.4185	.10715	.00879	.0560	.0071
10 25 01 13	Rod, Screw, Machine Stock	.043	.004	.6315	.02715	.00253	.0142	.0021
10 25 01 17	Extrusion, Solid Circle Size 4 to 5	.128	.01	.6315	.08083	.00632	.0422	.0051
10 25 02	Copper and Brass Mill Shapes	.049	.005	.6216	.03046	.00311	.0159	.0025
10 25 04 63	Monel Sheet, CR 400 Alloy	.011	.122	1.3752	.01513	.16777	.0079	.1364
10 25 05	Titanium Mill Shapes	.025	.019	5.2926	.13231	.10056	.0691	.0817
		1.000	1.000		.46167	.64986	.2411	.5281

NOTE: Revised Weighting Factors Proportional to Cost Contribution Per Pound.
Previous Weighting Factors expressed as a proportion of "composite material" index.
Revised Weighting Factors expressed as a proportion of the total index.
Previous Technical Report (TR 76-1) omitted nickel component (represented by Monel Sheet) from Engine index.

COMPUTATIONAL FORMULA

[CONTRIBUTION TO WEIGHT : PREVIOUS WEIGHTING FACTORS] X [1967 COST PER LB.] X [ADJUSTMENT FACTOR FOR (RELATIVE IMPORTANCE OF MATERIAL (RAW) IN OVERALL INDEX)] = AIRFRAME & ENGINE WEIGHTING FACTORS

APPENDIX B

Wholesale Price Indexes And Earnings Series Used In Historical Inflation Program With Revised Weighting Factors

PRODUCER PRICE INDEXES AND EARNINGS SERIES
USED IN HISTORICAL INFLATION PROGRAM AND
REVISED WEIGHTING FACTORS

Var	PPI Code	Commodity	Airframe	Engine	Avionics	Remarks
(1)	07	Rubber and Plastic Products	.0211	.0023		
(2)	10 13 02 62 .04	Sheets, C.R., Carbon	.0021			
(3)	10 13 02 64	Sheets, C.R., Stainless		.2625		
(4)	10 15 01 41 .05	Steel Castings	.0057			
(5)	10 15 01 53 .09	Closed Die Forgings		.0059		
(6)	10 22 01 11	Lead, Pig, Common	.0007			
(7)	10 22 01 51	Magnesium, Pig Ingot	.0062	.0225		
(8)	10 25 01 01 .02	Aluminum Sheet	.0560	.0071		
(9)	10 25 01 13	Rod, Screw, Machine Stock	.0142	.0021		
(10)	10 25 01 17 .02	Extrusion, Solid Circle Size 4 to 5	.0422	.0051		
(11)	10 25 02	Copper and Brass Mill Shapes	.0159	.0025		
(12)	10 25 04 63	Monel Sheet, CR 400 Alloy **	.0079	.1364		
(13)	10 25 05	Titanium Mill Shapes	.0691	.0817		
(14)	11 78	Electronic Components			.3150	
	SIC Code	Industry				
(15)	3674,9 (367X)	Other Electronic Components	.		.6850	
(16)	3721	Aircraft	.6220			
(17)	3722 (3724)	Aircraft Engines and Engine Parts		.4010		
(18)	3723,9 (3728)	Other Aircraft Parts and Equipment	.1369	.0709		
			1.0000	1.0000	1.0000	

COMPUTATIONAL FORMULAS : Labor Cost Indexes

The data concerning cost of labor services is supplied by the Bureau of Labor Statistics, as hourly wage rates by Standard Industry Codes, and is reported on a regular basis in Employment and Earnings. Because the material indices are percentages, and wages are expressed in dollars/hour, labor cost must be converted to a percentage (index) before calculations can be made. The dollar to percentage conversions for the labor categories are made as follows:

	SIC Code	Industry			1967 Hr. Wage			
(15)	3674,9 *(367X)	Other Electronic Components	Current Hr. Wage	÷	2.34	X	100% =	INDEX
(16)	3721	Aircraft Production Workers	Current Hr Wage	÷	3.49	X	100% =	INDEX
(17)	3722 *(3724)	Aircraft Engines and Engine Parts.	Current Hr. Wage	÷	3.42	X	100% =	INDEX
(18)	3723,9 *(3728)	Other Aircraft Parts and Equipment.	Current Hr. Wage	÷	3.35	X	100% =	INDEX

* After Cy 78, Bracketed Code Replaces Code Directly Above It.

REDUCED FORM EQUATION

Airframe = .0211 (V-1) + .0021 (V-2) + .0057 (V-4) + .0007 (V-6)
+ .0062 (V-7) + .056 (V-8) + .0142 (V-9) + .0422 (V-10)
+ .0159 (V-11) + .0079 (V-12) + .0660 (V-13) + .622 (V-16) (100/3.49)
+ .1369 (V-18) (100/3.35)

Engine = .0023 (V-1) + .2625 (V-3) + .0059 (V-5) + .0225 (V-7)
+ .0071 (V-8) + .0021 (V-9) + .0051 (V-10) + .0025 (V-11)
+ .1364 (V-12) + .0817 (V-13) + .401 (V-17) (100/3.42)
+ .0709 (V-18) (100/3.35)

Avionics = .3150 (V-14) + .6850 (V-15) (100/2.34)

Variables (V-1) thru (V-18) are defined on page B-2

DATA/DEVELOPMENT

(1) Calendar Year Data - As given on printout.

(2) Monthly Data - As specified on printout.

(3) Quarterly Data - Development from Monthly.

$$\text{Quarterly} = [(\text{Month}_{T-1}) + (\text{Month}_{T}) + (\text{Month}_{T+1})] \;/\; 3$$

(4) Fiscal Year Data - Developed using appropriate quarterly data.

$$\text{Fiscal Year Average} = \frac{Q_1 + Q_2 + Q_3 + Q_4}{4}$$

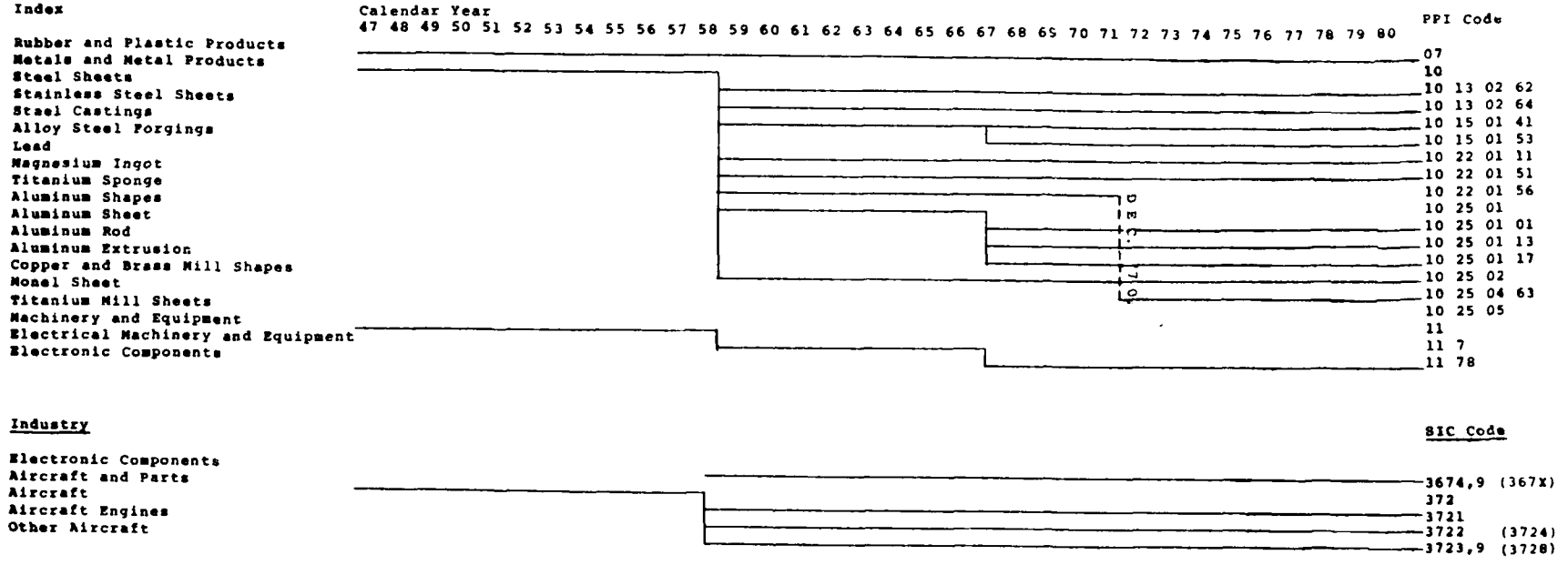
(Quarters of Fiscal Year)

Variables specified on preceding chart.

APPENDIX C

Historical Flow of Wholesale Price Indexes and Earnings Series Used in Historical Inflation Program With Revised Weighting Factors

Historical Flow of Producer Price Indexes and Earnings Series Used in Historical Inflation Program



APPENDIX D

ANNUAL DATA FOR THE HISTORICAL INFLATION PROGRAM FOR U. S. ARMY ROTARY WING AIRCRAFT

ANNUAL CALENDAR YEAR DATA

BEFORE '58

THREE INPUTS ONLY

LABOR RATE DATA

	1	2	3	(15)	(16)	(17)	(18)
4	73.5	54.9	1.372				
4	75.0	62.5	1.467				
4	80.5	63.0	1.[illegible]				
50	85.9	66.3	1.657				
51	85.4	73.8	1.758				
52	86.5	75.4	1.896				
53	89.1	76.3	1.990				
54	90.4	76.9	2.079				
55	102.4	82.1	2.160				
56	103.8	89.2	2.270				
57	105.4	91.0	2.356				
58	93.30	95.10	125.70	93.20	95.20	100.70	100.00	107.60	107.60	107.60	74.10	70.50	149.30	99.90	1.71	2.51	2.51	2.44
59	102.90	94.70	121.50	96.40	98.40	97.20	100.00	106.60	106.60	106.60	80.60	70.50	122.40	99.50	1.77	2.64	2.64	2.55
60	103.10	94.70	120.20	99.00	99.00	99.00	100.00	110.60	110.60	110.60	81.70	87.20	117.90	98.20	1.86	2.71	2.73	2.64
61	99.20	94.70	118.60	97.60	97.60	97.60	100.00	111.30	111.30	111.30	75.00	89.40	108.10	98.20	1.93	2.78	2.81	2.70
62	98.50	94.70	115.40	97.00	97.00	98.70	100.00	108.70	108.70	108.70	73.90	91.60	101.00	96.70	1.97	2.87	2.91	2.80
63	98.80	96.90	107.00	97.00	97.00	99.00	100.00	102.90	102.90	102.90	75.40	91.60	97.30	95.70	2.01	2.95	2.99	2.89
64	98.50	98.00	94.40	97.10	97.10	97.60	100.00	101.40	101.40	101.40	76.50	90.60	97.30	95.10	2.09	3.00	3.09	2.98
65	97.90	98.00	91.40	98.10	98.10	98.20	100.00	98.60	98.60	98.60	88.10	96.00	98.80	95.10	2.14	3.15	3.17	3.08
66	97.60	98.30	91.60	98.10	98.10	97.80	100.00	98.50	98.50	98.50	99.00	94.20	100.00	97.70	2.21	3.34	3.32	3.21
67	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	2.34	3.49	3.42	3.35
68	103.40	104.70	103.10	105.70	105.70	104.50	100.00	102.40	102.40	102.40	107.30	105.20	99.30	99.20	2.49	3.64	3.65	3.53
69	111.50	109.50	112.50	110.40	110.40	108.50	100.00	104.70	91.30	112.00	119.20	112.20	98.00	100.70	2.61	3.90	3.87	3.76
70	118.30	116.40	130.90	114.50	117.10	112.10	100.00	110.60	93.40	120.60	130.60	132.10	95.50	101.00	2.78	4.17	4.10	3.99
71	109.10	121.40	135.00	105.30	122.40	99.30	102.70	106.70	93.40	131.40	118.60	134.70	102.90	102.40	2.91	4.36	4.36	4.15
72	130.30	134.60	126.40	129.90	130.50	104.60	103.30	104.70	93.30	123.20	124.30	140.40	107.00	103.40	3.02	4.74	4.74	4.37
73	112.40	135.30	122.10	142.20	136.90	117.00	105.40	104.20	93.40	125.10	141.70	144.20	109.20	104.40	3.16	5.13	5.05	4.66
74	136.20	167.60	157.10	163.50	161.00	129.10	113.20	113.40	128.70	130.90	182.70	173.50	132.50	111.40	3.39	5.57	5.43	5.03
75	170.20	199.30	166.30	196.50	191.40	134.60	122.10	122.60	145.40	147.00	149.90	219.60	168.80	115.50	3.75	6.19	6.03	5.52
76	159.20	205.00	168.00	216.30	215.20	153.40	129.30	129.30	162.90	163.90	241.50	171.80	115.80	3.97	6.62	6.52	5.96
77	187.60	230.00	197.10	234.40	235.40	219.50	271.60	200.40	182.50	211.50	166.40	259.10	170.20	119.50	4.33	7.07	7.04	6.42
78	176.30	265.90	197.80	257.30	264.30	240.50	279.10	235.50	174.20	231.10	171.60	263.40	173.10	126.90	4.90	7.70	7.80	6.92
79	199.30	282.20	218.80	291.90	297.40	274.50	294.30	245.20	191.80	255.10	216.30	318.40	211.40	135.60	5.35	8.50	8.53	7.46

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14)

MATERIAL COST DATA

APPENDIX E

MONTHLY DATA FOR THE HISTORICAL INFLATION PROGRAM :

MONTHLY DATA FOR MATERIALS

LABOR RATES

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	3674	130262	130264	130141	130165	130111	130151	250101	250115	250117	102502	250463	2505XX	117GXX	LABOR				
CY/Mo	ROBBER	CR STL	STAIN	CAST	FORGE	LEAD	CARBON	ALUM	SC.STR	EXTRU	CP/BRS	MONEL	TI.MIL	ELECT	ELECT	ACFT	ENG	OTHER	FY
															3674.9	3721	3722	3728.9	
67JUL	98.60	100.40	99.10	100.00	99.90	100.60	100.00	101.10	100.10	100.10	95.70	98.90	100.00	99.80	2.36	3.46	3.41	3.33	68
67AUG	100.00	100.30	99.10	100.00	99.90	100.30	100.00	101.10	100.10	100.10	95.60	98.90	100.00	99.70	2.35	3.51	3.45	3.36	68
67SEP	101.50	100.30	99.10	100.00	100.20	100.00	100.00	101.10	100.10	100.10	98.40	98.90	100.00	99.50	2.35	3.52	3.48	3.38	68
67OCT	101.90	100.00	101.90	100.00	100.20	100.00	100.00	101.10	100.10	100.10	100.20	103.20	100.00	99.40	2.37	3.54	3.52	3.39	68
67NOV	102.40	100.00	103.20	100.00	101.50	100.60	100.00	101.10	100.10	100.10	105.10	103.20	100.00	99.10	2.38	3.58	3.49	3.42	68
67DEC	102.50	100.00	103.20	100.00	101.50	100.10	100.00	101.10	100.10	100.10	107.50	103.20	100.00	99.90	2.41	3.61	3.56	3.46	68
68JAN	102.40	103.40	103.20	102.90	101.40	100.10	100.00	101.10	100.10	100.10	115.10	103.20	100.00	99.70	2.43	3.58	3.58	3.48	68
68FEB	102.50	103.40	103.20	103.10	101.40	100.00	100.00	100.10	100.10	100.10	119.50	105.40	100.00	99.40	2.46	3.58	3.59	3.47	68
68MAR	102.60	103.40	103.20	104.00	101.40	100.00	100.00	101.10	100.10	100.10	120.00	105.40	100.00	99.10	2.46	3.58	3.58	3.48	68
68APR	102.60	103.40	103.20	104.00	101.40	101.00	100.00	100.10	100.10	100.10	122.20	105.40	99.20	99.40	2.44	3.55	3.52	3.45	68
68MAY	102.70	103.40	103.20	104.00	101.40	92.90	100.00	100.10	100.10	100.10	107.40	105.40	99.20	99.50	2.47	3.58	3.61	3.49	68
68JUN	103.00	103.40	103.20	105.40	101.40	92.90	100.00	100.50	101.60	101.50	102.70	105.40	99.20	99.10	2.49	3.58	3.63	3.54	68
68JUL	103.50	103.40	103.20	106.80	101.40	92.40	100.00	104.20	101.60	104.50	99.30	105.40	99.20	99.00	2.49	3.57	3.68	3.55	69
68AUG	104.00	103.40	104.10	106.80	101.40	89.20	100.00	104.20	101.60	104.50	98.90	105.40	99.20	99.00	2.51	3.63	3.67	3.55	69
68SEP	104.00	107.20	103.50	106.80	101.40	89.20	100.00	104.20	86.20	104.50	98.90	105.40	99.20	99.00	2.52	3.69	3.78	3.56	69
68OCT	104.20	107.20	103.50	106.80	101.70	92.40	100.00	104.20	86.20	104.50	99.10	105.40	99.20	99.00	2.53	3.79	3.78	3.57	69
68NOV	104.50	107.20	102.20	106.80	104.50	92.90	100.00	104.20	86.20	104.50	101.00	105.40	99.20	99.10	2.55	3.80	3.78	3.61	69
68DEC	104.40	107.20	102.20	106.80	105.60	92.90	100.00	104.20	86.20	104.50	102.60	105.40	99.20	99.10	2.56	3.81	3.80	3.65	69
69JAN	105.20	107.20	105.40	109.50	105.60	96.90	100.00	104.20	86.20	104.50	109.30	110.50	99.20	98.90	2.56	3.81	3.81	3.65	69
69FEB	105.60	107.20	105.40	109.50	105.60	100.00	100.00	104.30	90.50	106.90	109.20	110.50	99.20	100.20	2.59	3.86	3.81	3.67	69
69MAR	104.10	107.20	105.40	110.50	105.60	100.00	100.00	109.30	90.50	109.40	110.40	110.50	99.20	100.40	2.58	3.85	3.85	3.68	69
69APR	104.40	107.20	106.20	110.50	105.60	103.50	100.00	110.50	89.30	110.70	113.00	110.50	99.20	100.60	2.57	3.86	3.81	3.68	69
69MAY	104.20	107.20	105.40	110.60	105.10	103.50	100.00	110.50	89.80	112.00	116.10	110.50	99.20	100.60	2.60	3.84	3.84	3.74	69
69JUN	104.40	107.20	110.60	113.60	107.80	107.10	100.00	110.50	89.80	112.30	116.50	110.50	99.20	100.60	2.61	3.84	3.88	3.76	69
69JUL	105.70	107.20	110.60	113.50	106.70	110.70	100.00	110.50	89.80	112.30	118.40	110.50	99.20	100.50	2.62	3.83	3.87	3.78	70
69AUG	106.10	112.30	110.60	115.30	106.70	110.70	100.00	110.50	91.00	112.80	123.20	110.50	99.20	100.60	2.63	3.92	3.89	3.79	70
69SEP	105.80	112.30	110.60	115.30	107.10	110.70	100.00	110.50	93.40	112.30	127.00	110.50	95.50	101.20	2.65	3.89	3.92	3.79	70
69OCT	106.60	112.30	120.80	115.30	107.10	110.70	100.00	110.50	93.40	114.10	127.80	110.50	95.50	101.40	2.64	3.98	3.94	3.84	70
69NOV	107.50	112.90	120.80	115.30	110.70	110.70	100.00	110.50	93.40	116.60	127.80	110.50	95.50	101.70	2.65	4.05	3.94	3.86	70
69DEC	107.50	112.90	125.00	115.30	113.50	114.30	100.00	110.50	93.40	117.80	131.80	130.90	95.50	101.40	2.68	4.07	4.04	3.91	70
70JAN	107.80	107.50	130.90	117.90	114.40	117.90	100.00	110.60	93.40	117.80	135.70	130.90	95.50	101.40	2.70	4.09	4.01	3.89	70
70FEB	107.70	113.10	130.90	117.90	114.40	117.90	100.00	110.60	93.40	117.80	135.00	130.90	95.50	100.20	2.71	4.09	4.01	3.90	70
70MAR	107.60	113.10	130.90	117.90	115.30	117.90	100.00	110.60	93.40	117.80	132.00	130.90	95.50	100.20	2.73	4.09	4.03	3.93	70
70APR	107.60	113.10	130.70	117.90	115.30	117.90	100.00	110.60	93.40	119.00	135.10	130.90	95.50	100.60	2.74	4.10	4.03	3.94	70
70MAY	107.20	113.10	130.90	117.90	115.70	117.90	100.00	110.60	93.40	121.50	136.70	130.90	95.50	99.80	2.77	4.11	4.06	3.95	70
70JUN	107.10	119.40	130.90	117.90	117.30	117.90	100.00	110.60	93.40	121.70	136.70	130.90	95.50	101.20	2.79	4.11	4.09	3.98	70
70JUL	108.50	119.40	130.90	120.40	118.40	110.50	100.00	110.60	93.40	121.70	133.20	130.90	95.50	101.20	2.81	4.12	4.11	4.00	71
70AUG	109.20	119.40	130.90	120.40	118.40	107.10	100.00	110.60	93.50	121.70	132.40	130.90	95.50	101.00	2.82	4.22	4.14	4.02	71
70SEP	109.20	119.40	130.90	120.40	118.40	105.40	100.00	110.60	93.50	121.90	124.60	133.10	95.50	101.50	2.83	4.27	4.18	4.04	71
70OCT	109.10	119.40	130.90	121.50	118.40	105.40	100.00	110.60	93.50	121.90	125.90	133.10	95.50	101.50	2.84	4.27	4.17	4.07	71
70NOV	109.00	119.40	130.90	121.50	118.40	105.40	100.00	110.60	93.50	121.90	123.10	136.00	95.50	101.90	2.86	4.34	4.19	4.09	71
70DEC	109.20	119.40	130.90	121.50	118.30	105.40	100.00	110.60	93.50	121.90	118.80	136.00	95.50	101.90	2.89	4.33	4.29	4.15	71
71JAN	108.50	119.40	130.90	122.50	118.00	98.40	103.60	110.60	93.40	121.50	115.20	136.00	100.00	102.80	2.90	4.32	4.28	4.11	71
71FEB	109.00	119.40	130.90	122.50	118.30	96.40	103.60	108.60	93.40	121.50	113.20	136.00	100.30	103.30	2.89	4.31	4.31	4.11	71
71MAR	109.00	119.40	130.90	122.50	118.30	96.40	103.60	108.60	93.40	121.50	112.60	140.40	101.70	103.70	2.90	4.32	4.31	4.08	71
71APR	108.80	119.40	130.90	123.20	118.30	96.40	103.60	108.60	93.40	121.50	120.50	140.40	103.70	103.10	2.91	4.32	4.30	4.07	71
71MAY	108.80	119.40	130.90	123.20	121.70	96.40	103.60	108.60	93.40	121.50	124.00	140.40	103.70	102.70	2.92	4.37	4.34	4.13	71
71JUN	108.60	119.40	130.10	125.30	124.50	96.40	103.60	108.60	93.40	121.50	120.70	140.40	103.70	103.00	2.93	4.34	4.35	4.15	71
71JUL	109.40	127.40	130.10	125.30	124.30	101.80	103.60	108.60	93.40	121.50	120.70	140.40	103.70	103.10	2.92	4.33	4.37	4.16	72
71AUG	109.40	127.40	130.10	125.30	125.00	101.80	103.60	108.60	93.40	121.50	120.00	140.40	103.70	103.20	2.92	4.36	4.38	4.17	72
71SEP	109.60	127.40	130.10	125.30	125.00	101.80	100.80	108.60	93.40	121.50	119.50	140.40	103.70	102.80	2.93	4.38	4.37	4.20	72

MONTHLY DATA FOR MATERIALS

LABOR RATES

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	007A	130.52	131.xx	E 0141	130.xx	xx.11	2x0101	2x0101	250113	250117	102502	250463	2505AX	1178XX	LABOR ELECT	ACFT	ENG	OTHER	
DATE	MOUSER	CR STL	STEEL	CAST	FUSGL	LEAD	ALUMIN	SC.STK	EXTRU	CP/BRS	MONEL	TI.MIL	ELECT	3674.9	3721	3722	3723.9	FY	
71OCT	126.40	127.40	131.10	126.80	126.00	101.50	100.40	104.60	93.40	121.50	119.50	140.40	103.70	102.80	2.89	4.41	4.41	4.18	72
71NOV	126.50	127.40	131.10	126.80	126.00	101.50	100.50	104.60	93.40	120.90	119.10	140.40	103.70	102.60	2.90	4.45	4.44	4.17	72
71DEC	126.40	127.40	131.10	126.80	126.00	101.10	100.40	104.60	93.40	120.90	117.70	140.40	103.70	102.50	2.94	4.46	4.52	4.26	72
72JAN	124.50	124.10	131.10	127.50	127.00	101.10	100.50	104.60	93.40	121.60	119.70	140.40	103.70	102.40	2.96	4.44	4.50	4.22	72
72FEB	126.20	134.50	131.10	127.50	129.70	103.60	105.60	105.60	93.40	121.60	121.60	140.40	106.80	103.40	2.96	4.58	4.54	4.28	72
72MAR	126.90	134.50	131.10	127.50	129.70	110.70	105.60	105.10	93.40	121.60	125.40	140.40	107.10	103.40	2.99	4.64	4.56	4.30	72
72APR	134.70	134.50	131.10	127.50	129.70	110.70	105.60	105.10	93.40	123.10	125.50	140.40	107.10	103.20	2.98	4.74	4.57	4.33	72
72MAY	126.60	134.50	131.10	127.50	130.70	112.50	105.60	105.10	94.90	123.60	125.50	140.40	107.40	104.00	3.00	4.72	4.63	4.36	72
72JUN	126.90	134.50	126.40	127.50	130.00	112.50	105.60	105.10	93.40	123.80	125.30	140.40	107.40	103.90	3.02	4.72	4.68	4.36	72
72JUL	127.20	134.50	126.40	127.50	131.50	112.50	105.60	105.10	93.40	123.60	123.50	140.40	107.40	104.00	3.03	4.64	4.69	4.34	73
72AUG	129.50	134.50	117.50	130.90	131.50	112.50	105.60	105.10	93.40	123.40	123.50	140.40	107.40	103.70	3.03	4.77	4.75	4.39	73
72SEP	129.50	134.50	117.50	130.90	131.50	110.70	105.60	105.10	93.40	123.40	125.30	140.40	107.40	103.50	3.06	4.79	4.78	4.43	73
72OCT	129.50	134.50	117.50	130.90	131.50	110.70	105.60	105.70	93.40	123.40	125.10	140.40	107.40	103.20	3.06	4.84	4.80	4.44	73
72NOV	129.60	134.50	117.50	130.90	131.50	108.90	105.60	105.70	93.40	123.60	125.70	140.40	107.40	103.20	3.05	4.97	4.83	4.49	73
72DEC	129.60	134.50	117.50	130.90	132.00	108.90	105.60	105.70	93.40	123.80	125.90	140.40	107.40	103.30	3.09	5.04	4.98	4.51	73
73JAN	130.00	134.50	117.50	130.90	132.00	108.90	106.40	103.70	93.40	123.60	126.20	140.40	107.40	103.60	3.09	4.99	4.92	4.52	73
73FEB	130.10	134.50	117.50	130.90	132.00	110.70	105.40	103.70	93.40	123.80	127.90	140.40	107.40	103.60	3.08	5.04	4.98	4.50	73
73MAR	130.50	134.50	117.50	130.90	132.00	114.50	106.40	103.70	93.40	123.60	137.00	149.80	107.40	103.70	3.10	5.04	4.94	4.55	73
73APR	130.60	134.50	117.50	132.50	132.00	114.50	106.40	104.40	93.40	123.60	138.50	149.80	107.10	104.00	3.12	5.03	4.95	4.57	73
73MAY	131.50	134.50	123.40	132.50	133.00	116.10	106.40	104.40	93.40	125.20	141.90	149.80	106.40	104.40	3.12	5.08	4.95	4.57	73
73JUN	132.60	134.50	124.50	132.50	133.20	117.40	106.40	104.40	93.40	125.60	142.10	149.80	108.20	104.50	3.13	5.07	4.98	4.62	73
73JUL	132.90	134.50	124.50	132.50	133.20	117.90	106.40	104.40	93.40	125.20	141.60	149.80	108.20	104.60	3.15	5.05	5.07	4.66	74
73AUG	133.10	134.50	124.50	133.00	133.20	117.90	106.40	104.40	93.40	125.20	140.80	149.80	109.00	104.60	3.18	5.17	5.08	4.69	74
73SEP	132.80	134.50	124.50	133.00	133.20	117.90	106.40	105.60	93.40	125.20	143.50	149.80	111.10	104.60	3.20	5.18	5.09	4.73	74
73OCT	134.00	137.50	124.50	133.00	133.20	117.90	106.40	106.70	93.40	125.90	146.50	149.80	111.10	104.80	3.22	5.27	5.12	4.77	74
73NOV	134.00	137.50	124.60	133.00	133.90	117.90	106.40	107.20	93.40	126.30	154.30	149.80	112.30	104.90	3.24	5.28	5.15	4.82	74
73DEC	136.50	137.50	124.60	133.00	133.90	132.10	106.40	109.40	93.40	126.90	160.40	149.80	114.70	105.70	3.27	5.34	5.37	4.88	74
74JAN	137.70	137.50	124.60	142.00	142.20	135.70	116.80	117.80	102.00	130.20	165.20	149.80	114.70	106.20	3.26	5.36	5.26	4.82	74
74FEB	139.60	137.50	124.60	143.50	142.50	135.70	116.80	117.80	102.00	134.00	165.40	149.80	114.70	106.40	3.28	5.41	5.29	4.88	74
74MAR	143.60	142.00	144.90	143.50	144.40	135.70	125.75	117.30	105.90	136.10	178.30	149.80	121.80	107.20	3.30	5.43	5.30	4.88	74
74APR	149.40	146.60	144.10	143.50	145.20	144.60	130.70	125.00	116.40	144.50	189.00	149.80	121.80	108.30	3.31	5.40	5.21	4.89	74
74MAY	155.70	155.40	155.60	161.00	152.20	155.60	155.00	127.10	116.40	146.20	200.30	175.30	123.10	109.60	3.34	5.50	5.34	5.02	74
74JUN	155.60	165.40	155.60	159.30	152.40	155.60	155.00	132.50	123.20	150.40	203.70	175.30	124.30	111.30	3.39	5.51	5.41	5.03	75
74JUL	159.50	162.50	155.60	157.50	175.00	160.00	144.50	132.20	132.20	152.20	198.70	175.30	137.50	112.10	3.42	5.52	5.44	5.03	75
74AUG	146.40	168.50	179.10	179.70	160.10	175.00	219.70	151.00	140.40	163.60	186.90	191.30	137.50	113.90	3.40	5.59	5.47	5.10	75
74SEP	145.00	168.50	174.00	182.50	160.10	175.00	208.60	151.00	140.40	163.60	184.90	191.30	139.00	113.30	3.47	5.64	5.51	5.13	75
74OCT	147.50	168.50	174.00	182.50	162.90	175.00	208.60	151.00	142.20	163.60	181.60	191.30	151.70	114.30	3.47	5.75	5.55	5.15	75
74NOV	146.50	168.50	174.00	182.50	162.90	175.00	208.60	151.00	144.10	162.80	172.70	191.30	151.70	116.80	3.52	5.83	5.59	5.18	75
74DEC	147.40	170.00	175.00	182.50	164.90	175.00	208.60	151.00	144.10	162.80	163.50	191.30	151.70	117.00	3.59	5.87	5.72	5.23	75
75JAN	147.40	169.10	174.00	182.50	164.90	175.00	228.10	151.00	144.10	162.10	159.10	219.60	163.40	117.30	3.63	5.93	5.75	5.23	75
75FEB	147.40	169.10	174.00	182.50	164.90	175.00	228.10	151.00	144.10	162.10	156.00	219.60	163.40	117.00	3.66	5.94	5.84	5.29	75
75MAR	147.70	169.10	174.00	182.50	164.90	175.00	228.10	151.00	144.10	162.10	155.20	219.60	162.20	116.60	3.68	6.00	5.90	5.35	75
75APR	147.90	169.10	174.00	182.50	164.90	175.00	228.10	151.00	144.10	162.20	156.90	219.60	164.60	116.30	3.71	6.07	5.90	5.39	75
75MAY	148.00	169.10	174.00	182.50	164.90	175.00	228.10	151.00	144.10	162.50	162.00	219.60	170.80	115.60	3.73	6.12	5.96	5.47	75
75JUN	148.00	169.10	174.00	182.50	164.90	175.00	228.10	151.00	144.10	162.50	147.90	219.60	170.80	115.70	3.77	6.20	6.03	5.49	75
75JUL	148.10	169.10	174.00	182.50	164.90	175.00	228.10	151.00	144.10	162.50	145.80	219.60	171.80	115.60	3.81	6.22	6.00	5.56	76
75AUG	148.00	169.10	174.00	182.50	164.90	175.00	228.10	147.20	147.20	171.00	145.60	219.60	171.80	115.10	3.78	6.26	6.04	5.62	76
75SEP	150.00	169.10	174.00	182.50	164.90	175.00	228.10	147.20	147.20	171.00	147.10	219.60	171.80	114.50	3.81	6.30	6.12	5.65	76
75OCT	151.00	197.00	174.00	182.50	164.90	175.00	228.10	147.20	147.20	170.70	150.20	219.60	171.80	113.90	3.81	6.37	6.16	5.66	76
75NOV	151.00	197.00	174.00	182.50	164.90	175.00	228.10	147.20	147.20	170.70	151.30	219.60	171.80	114.30	3.81	6.43	6.23	5.77	76
75DEC	151.00	197.00	174.00	182.50	164.90	175.00	228.10	147.20	147.20	170.50	150.00	219.60	171.80	114.30	3.85	6.47	6.44	5.81	76

MONTHLY DATA FOR

MATERIALS

LABOR RATES

	MATERIALS													LABOR				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	CU/A	150XX	150XX	150XX	150XX	250111	250XX	250XX	250115	250117	150XX	250463	2505XX	1175XX	ELECT	ACFT	ENG	OTHER	
CU/A	ROBLES	CR STL	SF	COAST	EAST	LEAD		ALUM	SC.STR	EXTRU	CP/BRS	MONEL	TI.MIL	ELECT	3674.9	3721	3722	3723.9	FY
76JA	156.30	197.00	180.20	214.50	177.40	155.70	242.00	197.20	147.20	169.30	149.20	241.50	171.80	114.50	3.88	6.47	6.32	5.79	76
76FE	156.30	197.00	180.20	214.50	177.40	155.70	242.00	197.20	147.20	169.30	150.10	241.50	171.80	114.90	3.87	6.54	6.33	5.84	76
76MA	155.50	197.00	180.20	214.50	177.40	155.70	242.00	197.20	147.20	169.30	152.10	241.50	171.80	114.70	3.88	6.58	6.37	5.86	76
76AP	156.70	197.00	180.20	214.50	177.40	155.70	242.00	197.20	147.20	169.30	165.20	241.50	171.80	114.90	3.88	6.54	6.21	5.83	76
76MAY	157.10	197.00	180.20	214.50	177.40	155.70	242.00	197.20	154.60	175.50	166.70	241.50	171.80	115.00	3.91	6.57	6.37	5.93	76
76JUN	157.20	209.10	180.20	214.50	177.40	155.70	242.00	197.20	154.60	180.40	166.70	241.50	171.80	115.40	3.94	6.54	6.42	5.94	76
76JUL	157.20	209.10	180.20	214.50	177.40	155.70	242.00	197.20	154.60	180.40	168.60	241.50	171.80	115.40	3.97	6.67	6.61	5.99	77
76AUG	161.00	209.10	182.40	214.50	180.00	176.50	255.90	197.20	154.60	180.40	171.40	241.50	171.80	115.50	3.99	6.64	6.62	5.98	77
76SEP	162.60	209.10	182.40	214.50	180.00	176.50	255.90	197.20	156.60	187.50	172.40	241.50	171.80	115.60	4.01	6.63	6.66	6.03	77
76OCT	164.50	209.10	182.40	214.50	180.00	165.70	255.90	197.20	156.60	187.50	174.70	241.50	171.80	116.20	4.04	6.75	6.71	6.05	77
76NOV	164.50	209.10	182.40	214.50	180.00	165.70	255.90	197.20	156.60	187.50	169.90	241.50	171.80	116.40	4.06	6.77	6.75	6.12	77
76DEC	164.50	220.90	182.40	214.50	180.00	165.70	255.90	197.20	156.60	187.50	161.60	241.50	171.80	116.60	4.16	6.81	6.86	6.18	77
77JAN	164.50	222.50	185.00	214.50	181.50	169.50	255.90	197.20	156.60	187.50	159.00	241.50	171.80	117.90	4.21	6.88	6.83	6.14	77
77FEB	164.50	222.50	185.00	214.50	181.50	207.10	267.00	197.20	156.60	187.50	160.40	241.50	171.80	118.20	4.19	6.90	6.87	6.20	77
77MAR	164.50	222.50	185.00	214.50	181.50	221.40	267.00	197.20	156.60	187.50	167.40	262.60	171.80	118.20	4.20	6.93	6.86	6.25	77
77APR	165.90	222.50	185.00	233.40	181.50	221.40	267.00	198.60	161.50	206.70	175.30	262.60	171.80	118.60	4.22	6.97	6.84	6.29	77
77MAY	166.40	222.50	200.10	233.70	181.50	221.40	267.00	199.80	159.60	206.70	175.30	262.60	169.80	118.80	4.26	7.03	6.85	6.35	77
77JUN	167.40	222.50	200.10	233.70	181.50	221.40	267.00	199.80	159.60	209.50	172.90	262.60	169.80	118.90	4.32	7.06	6.95	6.39	77
77JUL	168.90	237.40	205.50	233.70	184.20	221.40	275.40	205.70	167.80	216.30	173.10	262.60	169.80	118.70	4.35	7.09	7.01	6.43	77
77AUG	169.10	237.40	205.50	234.40	184.20	221.40	275.40	209.60	167.80	220.20	170.20	262.60	170.00	118.80	4.38	7.15	7.02	6.45	77
77SEP	169.50	237.40	205.70	234.40	240.10	221.40	275.40	209.60	167.80	220.20	163.10	262.60	168.80	120.50	4.44	7.19	7.15	6.57	77
77OCT	170.20	237.40	205.70	241.20	240.10	221.40	275.40	209.60	167.80	220.20	158.60	262.60	169.10	121.10	4.58	7.16	7.27	6.56	78
77NOV	170.20	237.40	200.50	241.20	245.40	221.40	275.40	211.60	167.80	220.20	160.60	262.60	168.70	121.70	4.61	7.23	7.33	6.65	78
77DEC	170.30	237.40	200.50	241.20	245.90	235.70	275.40	211.60	167.80	220.20	161.20	262.60	168.70	121.50	4.69	7.28	7.53	6.63	78
78JAN	170.20	237.40	198.80	241.90	245.90	235.70	275.40	211.60	167.80	223.50	164.60	262.60	168.70	124.40	4.75	7.36	7.46	6.68	78
78FEB	170.20	250.30	198.80	241.90	245.90	235.70	275.40	217.60	167.80	225.20	166.30	262.60	169.50	124.70	4.77	7.44	7.68	6.74	78
78MAR	171.40	250.90	198.80	241.90	247.70	235.70	275.40	220.50	170.40	229.50	167.00	262.60	170.10	125.80	4.78	7.44	7.55	6.74	78
78APR	172.30	254.10	198.80	250.00	247.70	235.70	275.40	221.50	173.10	230.80	168.30	262.60	170.10	125.30	4.79	7.50	7.58	6.81	78
78MAY	173.00	254.50	198.70	250.00	248.70	235.70	275.40	221.50	173.10	230.80	169.10	262.60	172.20	126.00	4.80	7.52	7.60	6.82	78
78JUN	174.50	254.50	198.70	250.00	248.70	235.70	275.40	221.50	173.10	232.00	171.30	262.60	174.20	126.80	4.84	7.54	7.69	6.87	78
78JUL	174.90	254.50	202.60	250.00	248.70	235.70	275.40	221.50	173.10	232.00	169.70	262.60	174.20	127.10	4.91	7.63	7.77	6.88	78
78AUG	175.70	262.90	204.50	250.00	273.10	235.70	275.40	221.50	173.90	232.00	172.50	262.60	175.70	127.00	4.92	7.73	7.82	6.96	78
78SEP	176.70	262.90	205.50	265.30	273.10	235.70	275.40	221.50	173.90	232.00	173.80	262.60	175.60	127.20	5.00	7.77	7.96	7.00	78
78OCT	178.10	262.90	205.50	265.30	273.10	264.30	275.40	249.20	177.30	232.00	177.10	262.60	175.70	128.50	5.00	7.96	8.03	7.07	79
78NOV	179.40	262.90	205.50	265.30	273.10	271.40	275.40	249.20	177.30	236.10	178.20	262.60	176.00	130.00	5.02	8.07	8.00	7.12	79
78DEC	179.70	262.90	205.50	265.20	275.10	271.40	275.40	249.20	179.70	237.80	180.90	272.00	175.20	130.00	5.13	8.12	8.32	7.19	79
79JAN	180.80	275.70	205.50	265.90	275.10	265.70	275.40	249.20	185.00	240.40	187.90	272.00	176.40	130.40	5.14	8.26	8.19	7.16	79
79FEB	185.20	275.70	205.50	275.00	275.10	314.50	293.50	249.20	185.00	241.40	202.00	272.00	177.00	131.20	5.17	8.24	8.18	7.19	79
79MAR	185.40	275.70	205.50	275.00	287.40	328.60	293.50	249.20	185.00	242.40	213.60	277.80	180.30	131.70	5.18	8.25	8.24	7.18	79
79APR	188.30	275.70	214.70	284.10	287.40	342.50	293.50	249.20	187.30	250.20	222.10	289.50	204.30	132.70	5.18	8.19	8.07	7.17	79
79MAY	190.90	275.70	215.50	284.70	287.50	342.50	293.50	249.20	192.10	251.60	216.20	307.70	209.80	133.10	5.22	8.32	8.30	7.30	79
79JUN	193.10	275.70	215.10	284.70	287.30	403.60	293.50	249.20	192.10	251.60	215.30	328.00	210.80	134.50	5.29	8.33	8.38	7.39	79
79JUL	195.50	287.40	221.90	291.20	287.30	423.60	293.50	249.20	192.10	257.40	214.20	336.70	216.70	136.50	5.34	8.43	8.49	7.47	79
79AUG	198.50	289.00	224.50	292.40	293.00	414.50	293.50	249.20	192.10	260.00	216.40	336.70	217.60	137.10	5.40	8.47	8.60	7.46	79
79SEP	200.70	289.00	225.00	295.20	303.70	414.50	293.50	249.20	192.10	256.00	219.60	336.70	217.60	139.40	5.47	8.55	8.74	7.59	79
79OCT	203.00	289.00	226.40	298.40	303.30	439.30	303.20	249.20	195.30	266.10	230.20	336.70	222.60	139.90	5.50	8.83	8.86	7.65	80
79NOV	204.30	289.00	226.40	311.40	311.30	414.50	303.20	249.20	200.30	269.30	226.50	363.70	250.20	140.40	5.56	8.97	8.90	7.84	80
79DEC	205.90	289.00	226.40	312.20	311.30	410.70	303.20	249.20	200.30	271.90	229.00	363.70	253.90	142.10	5.73	9.04	9.27	7.97	80
80JAN	207.30	289.00	226.40	313.50	311.30	337.10	303.20	249.20	200.30	273.50	234.90	363.70	262.10	146.20	5.78	9.11	8.99	7.92	80
80FEB	210.70	289.00	226.40	314.50	327.70	364.30	303.20	249.20	200.30	273.50	257.80	456.00	262.10	149.90	5.82	9.17	8.99	7.99	80
80MAR	212.70	289.00	226.40	315.20	333.30	337.10	303.20	249.20	200.30	276.90	243.80	456.00	265.70	151.20	5.88	9.20	9.14	8.03	80

MONTHLY DATA FOR MATERIALS

LABOR RATES

CY/MO	1 007A RUBBER	2 130 CARBON	3	4	5	6	7	8	9 250113 SC.STK	10 250117 EXTRU	11 250502 CRUDES	12 250463 MONEL	13 2505XX TI.MIL	14 1178XX ELECT	LABOR 15 ELECT 3674.9	16 ACFT 3721	17 ENG 3722	18 OTHER 3723,9	FY
5JAPR	214.10	304.50	232.20	315.50	350.50	321.40	322.70	247.70	283.40	290.20	230.90	379.70	284.60	153.40	5.93	9.38	9.10	8.09	80
5MAY	215.00	304.50	232.20	315.50	350.50	321.40	322.70	247.70	283.40	290.20	227.70	379.70	284.60	155.30	5.93	9.49	9.22	8.18	80
5JUN	217.50	304.50	232.20	320.10	350.50	321.40	322.70	247.70	283.40	290.20	224.90	379.70	285.00	157.00	6.05	9.59	9.52	8.24	80
5JUL	218.50	309.00	232.20	320.10	350.50	321.40	322.70	247.70	283.40	289.90	224.60	379.70	288.80	158.10	6.11	9.74	9.43	8.31	80
5JAUG	219.00	309.00	251.00	327.20	350.50	321.40	322.70	247.70	283.40	289.90	226.50	379.70	291.50	158.20	6.13	9.81	9.62	8.44	80
5SEP	221.20	309.00	251.00	327.20	350.50	321.40	322.70	247.70	283.40	289.90	225.00	379.70	292.80	160.80	6.20	9.85	9.61	8.51	80

APPENDIX F

HISTORICAL INFLATION INDICES :

HISTORICAL INFLATION
PRE-1956 INDICES

CY	AIRFRAME PRODUCTION INDEX CY67= 100.0	AIRFRAME PRODUCTION FACTOR FY80= 1.0000	ENGINE PRODUCTION INDEX CY67= 100.0	ENGINE PRODUCTION FACTOR FY80= 1.0000	AGGREGATE AIR VEHICLE EXCLUDING AVIONICS INDEX CY67= 100.0	AGGREGATE AIR VEHICLE EXCLUDING AVIONICS FACTOR FY80= 1.0000
47	47.3	5.5510	55.2	4.7560	49.1	5.3824
48	52.1	5.0375	61.3	4.4099	54.2	4.8713
49	53.8	4.8681	63.1	4.3166	55.9	4.7297
50	56.8	4.6142	66.4	4.1042	58.9	4.4864
51	62.4	4.1935	73.3	3.7123	64.9	4.0734
52	64.7	4.0475	74.9	3.6357	67.0	3.9457
53	67.5	3.8822	77.6	3.5060	69.8	3.7875
54	69.4	3.7726	79.3	3.4337	71.6	3.6689
55	73.1	3.5827	84.0	3.2421	75.6	3.4971
56	77.6	3.3745	90.2	3.0198	80.4	3.2861
57	79.9	3.2758	92.9	2.9451	82.7	3.1957

HISTORICAL INFLATION
CALENDAR YEAR INDICES

	AIRFRAME PRODUCTION		ENGINE PRODUCTION		AVIONICS PRODUCTION		AGGREGATE AIR VEHICLE EXCLUDING AVIONICS		AGGREGATE AIR VEHICLE INCLUDING AVIONICS	
	INDEX CY67=	FACTOR FY80=	INDEX CY67=	FACTOR FY80=	INDEX CY67=	FACTOR FY80=	INDEX CY67=	FACTOR FY80=	INDEX CY67=	FACTOR FY80=
67	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000
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68	82.4	3.1726	84.2	2.8725	81.[illegible]	2.8965	85.0	3.1067	84.7	3.0673
69	83.3	3.1414	[illegible]	2.9483	83.[illegible]	2.8440	85.4	3.0952	85.1	3.0511
70	85.3	3.0737	[illegible]	2.8914	85.4	2.8751	87.6	3.0175	87.3	2.9743
71	86.0	3.0454	[illegible]	2.8476	87.4	2.8147	88.1	2.9980	88.1	2.9501
72	87.1	3.0062	[illegible]	2.8412	86.1	2.8948	89.1	2.9660	89.0	2.9193
73	89.0	2.9745	94.4	2.8852	89.[illegible]	2.8705	89.5	2.9535	89.4	2.9055
74	89.2	2.9681	[illegible]	2.9506	91.1	2.8124	89.9	2.9394	90.0	2.8860
75	92.3	2.8854	92.7	2.9377	92.[illegible]	2.8743	92.4	2.8590	92.4	2.8104
76	96.5	2.7844	[illegible]	2.8923	95.[illegible]	2.8038	96.3	2.7448	96.2	2.7010
77	100.0	2.6187	100.0	2.7256	100.0	2.7986	100.0	2.6421	100.0	2.5977
78	103.8	2.5228	104.6	2.6039	104.1	2.1112	104.0	2.5409	104.0	2.4979
79	110.4	2.3725	111.1	2.4508	108.1	2.0334	110.6	2.3899	110.3	2.3550
70	116.9	2.2409	121.8	2.2360	115.2	1.9423	118.0	2.2398	117.5	2.2111
71	120.9	2.1659	127.6	2.1349	117.4	1.8721	122.3	2.1595	121.9	2.1318
72	128.9	2.0313	150.7	2.0854	121.8	1.8174	129.3	2.0430	128.5	2.0218
73	137.7	1.9011	155.3	2.0156	125.4	1.7554	137.2	1.9258	136.0	1.9099
74	154.0	1.7006	157.2	1.7329	134.3	1.6366	154.7	1.7079	152.7	1.7017
75	172.0	1.5225	178.1	1.5291	146.2	1.5043	173.4	1.5240	170.6	1.5223
76	164.6	1.4157	189.7	1.4362	152.7	1.4399	165.7	1.4227	162.4	1.4241
77	197.8	1.3267	207.6	1.3119	164.4	1.3374	200.0	1.3209	196.5	1.3223
78	214.7	1.2194	219.3	1.2418	185.4	1.1987	215.8	1.2245	212.5	1.2223
79	237.5	1.1024	246.6	1.1073	199.4	1.1027	239.4	1.1035	235.4	1.1035

HISTORICAL INFLATION
MONTHLY INDICES

	CY	FY	AIRFRAME PRODUCTION INDEX CY67= 100.0	AIRFRAME PRODUCTION FACTOR FY80= 1.0000	ENGINE PRODUCTION INDEX CY67= 100.0	ENGINE PRODUCTION FACTOR FY80= 1.0000	AVIONICS PRODUCTION INDEX CY67= 100.0	AVIONICS PRODUCTION FACTOR FY80= 1.0000	AGGREGATE AIR VEHICLE EXCLUDING AVIONICS INDEX CY67= 100.0	AGGREGATE AIR VEHICLE EXCLUDING AVIONICS FACTOR FY80= 1.0000	AGGREGATE AIR VEHICLE INCLUDING AVIONICS INDEX CY67= 100.0	AGGREGATE AIR VEHICLE INCLUDING AVIONICS FACTOR FY80= 1.0000
JUL	67	68	99.3	2.6574	99.4	2.7391	100.5	2.1872	99.3	2.6600	99.4	2.6122
AUG	67	68	100.3	2.6597	100.1	2.7244	100.2	2.1943	100.3	2.6351	100.3	2.5910
SEP	67	68	100.7	2.6915	100.4	2.7154	100.1	2.1957	100.6	2.6263	100.6	2.5834
OCT	67	68	101.1	2.6742	100.1	2.6672	100.7	2.1836	101.4	2.6067	101.3	2.5646
NOV	67	68	102.1	2.6959	100.3	2.6632	100.7	2.1793	102.1	2.5876	102.0	2.5472
DEC	67	68	102.8	2.6975	100.2	2.6597	102.6	2.1551	102.9	2.5681	102.8	2.5271
JAN	68	68	102.5	2.6902	100.5	2.6321	102.4	2.1442	102.7	2.5724	102.7	2.5297
FEB	68	68	102.5	2.6943	100.7	2.6218	103.5	2.1279	102.8	2.5692	102.9	2.5249
MAR	68	68	102.8	2.6926	100.8	2.6242	103.2	2.1299	102.9	2.5686	102.9	2.5246
APR	68	68	101.9	2.6696	100.8	2.6453	102.7	2.1400	102.1	2.5865	102.2	2.5416
MAY	68	68	102.4	2.6840	100.1	2.6172	103.2	2.1212	102.8	2.5713	102.8	2.5260
JUN	68	68	102.8	2.6948	100.4	2.6082	104.1	2.1119	103.1	2.5615	103.2	2.5162
JUL	68	69	102.5	2.6979	100.5	2.6073	104.1	2.1125	103.2	2.5612	103.2	2.5160
AUG	68	69	103.4	2.7216	100.2	2.5998	104.7	2.1007	104.1	2.5369	104.2	2.4931
SEP	68	69	104.6	2.7498	100.3	2.5966	105.0	2.0948	104.9	2.5191	104.9	2.4767
OCT	68	69	106.6	2.8008	100.6	2.5903	105.2	2.0890	106.4	2.4840	106.3	2.4449
NOV	68	69	107.0	2.8102	100.8	2.5753	105.9	2.0768	106.7	2.4758	106.6	2.4362
DEC	68	69	107.3	2.8198	107.1	2.5428	106.2	2.0711	107.3	2.4626	107.2	2.4239
JAN	69	69	107.5	2.8269	100.1	2.5201	106.1	2.0723	107.6	2.4554	107.5	2.4176
FEB	69	69	108.9	2.8640	100.2	2.5177	107.4	2.0475	108.8	2.4292	108.6	2.3914
MAR	69	69	108.9	2.8647	100.1	2.5196	107.2	2.0519	108.7	2.4301	108.6	2.3928
APR	69	69	109.2	2.8972	100.4	2.5115	106.9	2.0565	109.1	2.4225	108.9	2.3865
MAY	69	69	109.2	2.8971	100.0	2.4989	107.0	2.0595	109.2	2.4197	109.1	2.3821
JUN	69	69	109.4	2.9047	110.3	2.4700	106.1	2.0540	109.6	2.4116	109.4	2.3743
JUL	69	70	109.3	2.9055	110.6	2.4636	108.4	2.0291	109.6	2.4108	109.5	2.3730
AUG	69	70	111.1	2.9569	110.6	2.4575	108.7	2.0241	111.0	2.3792	110.8	2.3443
SEP	69	70	110.4	2.9722	110.9	2.4561	109.5	2.0087	110.5	2.3909	110.4	2.3530
OCT	69	70	112.3	2.9618	115.5	2.3561	109.2	2.0150	113.0	2.3378	112.6	2.3063
NOV	69	70	113.8	3.0020	115.4	2.3611	109.6	2.0059	114.1	2.3153	113.7	2.2854
DEC	69	70	114.6	3.0252	119.4	2.2612	110.4	1.9916	115.7	2.2842	115.1	2.2562
JAN	70	70	114.9	3.0332	120.4	2.2629	111.0	1.9811	116.2	2.2747	115.6	2.2465
FEB	70	70	115.0	3.0374	120.4	2.2625	110.9	1.9826	116.2	2.2740	115.7	2.2461
MAR	70	70	115.1	3.0390	120.7	2.2570	111.5	1.9722	116.3	2.2716	115.8	2.2428
APR	70	70	115.4	3.0478	120.7	2.2574	111.9	1.9648	116.6	2.2669	116.1	2.2378
MAY	70	70	115.7	3.0550	121.1	2.2491	112.5	1.9559	116.9	2.2598	116.5	2.2303
JUN	70	70	115.9	3.0592	121.5	2.2412	113.0	1.9362	117.1	2.2559	116.8	2.2248
JUL	70	71	116.1	3.0705	121.8	2.2361	114.1	1.9263	117.4	2.2510	117.0	2.2194
AUG	70	71	116.0	3.0695	122.2	2.2289	114.4	1.9224	118.9	2.2219	118.5	2.1930
SEP	70	71	116.4	3.0806	122.4	2.2251	114.3	1.9149	119.6	2.2084	119.2	2.1802
OCT	70	71	119.0	3.0914	122.9	2.2155	115.1	1.9100	119.8	2.2046	119.4	2.1762
NOV	70	71	120.5	3.1769	123.6	2.2035	115.5	1.8983	121.0	2.1829	120.5	2.1556
DEC	70	71	120.4	3.1764	124.2	2.1907	116.7	1.8840	121.3	2.1778	120.9	2.1494
JAN	71	71	119.9	3.1594	124.7	2.1834	117.3	1.8748	121.0	2.1642	120.6	2.1541
FEB	71	71	119.6	3.1596	125.1	2.1772	117.1	1.8769	120.8	2.1868	120.5	2.1566
MAR	71	71	119.8	3.1665	125.7	2.1660	117.6	1.8702	121.1	2.1818	120.7	2.1514
APR	71	71	120.0	3.1723	125.8	2.1654	117.7	1.8686	121.3	2.1784	120.9	2.1483
MAY	71	71	121.2	3.2005	126.4	2.1549	117.4	1.8659	122.3	2.1595	121.9	2.1312
JUN	71	71	120.7	3.1944	125.5	2.1494	118.1	1.8744	122.4	2.1563	122.0	2.1293

JUL	71	72	120.[illegible]	2.1717	1[illegible]	2.1156	11[illegible]	1.8640	122.4	2.1586	122.0	2.1301
AUG	71	72	121.[illegible]	2.1615	1[illegible]	2.1134	118.[illegible]	1.8635	122.9	2.1502	122.4	2.1225
SEP	71	72	121.6	2.1534	120.[illegible]	2.1153	11[illegible]	1.8608	123.2	2.1445	122.7	2.1172
OCT	71	72	122.1	2.1434	129.[illegible]	2.1083	117.[illegible]	1.8795	123.6	2.1368	123.0	2.1123
NOV	71	72	122.7	2.1343	129.5	2.1030	117.[illegible]	1.8758	124.2	2.1270	123.5	2.1032
DEC	71	72	123.2	2.1252	130.4	2.0991	118.4	1.8577	124.8	2.1168	124.2	2.0921
JAN	72	72	122.6	2.1357	130.1	2.0932	118.9	1.8491	124.3	2.1258	123.7	2.0992
FEB	72	72	125.6	2.0849	131.9	2.0796	119.[illegible]	1.8442	126.8	2.0837	126.0	2.0610
MAR	72	72	126.5	2.0651	131.5	2.0765	120.1	1.8307	127.9	2.0663	127.1	2.0441
APR	72	72	128.8	2.0336	131.7	2.0676	119.7	1.8361	129.4	2.0413	128.5	2.0222
MAY	72	72	128.5	2.0361	132.5	2.0551	120.6	1.8234	129.5	2.0404	128.6	2.0201
JUN	72	72	128.6	2.0345	133.1	2.0459	121.1	1.8150	128.5	2.0563	127.8	2.0334
JUL	72	73	127.1	2.0610	133.6	2.0386	121.5	1.8102	127.4	2.0739	126.8	2.0487
AUG	72	73	129.6	2.0205	134.0	2.0300	121.4	1.8116	129.4	2.0420	128.6	2.0203
SEP	72	73	130.2	2.0120	134.6	2.0206	122.1	1.8004	129.9	2.0338	129.1	2.0117
OCT	72	73	131.0	1.9989	134.5	2.0206	122.1	1.8009	130.6	2.0227	129.8	2.0018
NOV	72	73	133.5	1.9618	134.7	2.0193	121.8	1.8052	132.7	1.9910	131.6	1.9738
DEC	72	73	134.9	1.9416	135.6	2.0105	123.0	1.7876	134.1	1.9697	133.0	1.9529
JAN	73	73	134.1	1.9535	136.9	2.0003	123.1	1.7862	133.4	1.9812	132.3	1.9631
FEB	73	73	134.9	1.9414	136.9	2.0009	122.3	1.7985	134.0	1.9717	132.9	1.9549
MAR	73	73	135.3	1.9352	137.[illegible]	2.0049	123.4	1.7815	134.7	1.9614	133.6	1.9448
APR	73	73	135.3	1.9358	137.7	2.0022	124.1	1.7718	134.7	1.9613	133.7	1.9437
MAY	73	73	136.3	1.9219	138.2	2.0291	124.3	1.7700	135.8	1.9454	134.7	1.9292
JUN	73	73	136.4	1.9192	138.2	2.0140	124.5	1.7654	136.2	1.9401	135.0	1.9248
JUL	73	74	136.2	1.9222	138.3	1.9989	125.[illegible]	1.7586	136.2	1.9392	135.1	1.9223
AUG	73	74	138.5	1.8901	138.5	1.9953	126.0	1.7444	138.1	1.9132	136.9	1.8977
SEP	73	74	139.1	1.8822	138.9	1.9998	126.6	1.7363	138.6	1.9058	137.4	1.8902
OCT	73	74	141.1	1.8563	139.3	1.9952	127.3	1.7275	140.2	1.8839	138.9	1.8696
NOV	73	74	141.7	1.8475	139.8	1.9744	127.9	1.7192	140.9	1.8751	139.6	1.8608
DEC	73	74	143.5	1.8251	140.9	1.9333	129.0	1.7041	142.9	1.8488	141.5	1.8386
JAN	74	74	144.5	1.8117	140.4	1.9599	128.9	1.7059	143.6	1.8595	142.2	1.8274
FEB	74	74	145.9	1.7949	141.4	1.9265	129.5	1.6974	144.9	1.8235	143.4	1.8121
MAR	74	74	147.2	1.7788	143.9	1.8923	130.4	1.6864	146.5	1.8035	144.9	1.7930
APR	74	74	148.0	1.7698	144.6	1.8838	131.0	1.6782	147.2	1.7947	145.6	1.7842
MAY	74	74	151.3	1.7309	154.1	1.7674	132.3	1.6619	151.9	1.7391	150.0	1.7328
JUN	74	74	152.3	1.7199	156.8	1.7574	134.3	1.6371	153.3	1.7239	151.4	1.7162
JUL	74	75	154.4	1.6957	160.6	1.7019	135.4	1.6235	155.7	1.6971	153.7	1.6906
AUG	74	75	157.3	1.6643	166.1	1.6595	135.4	1.6237	159.3	1.6586	156.9	1.6555
SEP	74	75	158.4	1.6533	167.0	1.6510	137.3	1.6017	160.3	1.6482	158.0	1.6441
OCT	74	75	161.3	1.6237	168.6	1.6156	137.6	1.5980	162.9	1.6218	160.4	1.6198
NOV	74	75	162.7	1.6096	169.3	1.6085	139.8	1.5723	164.2	1.6095	161.7	1.6061
DEC	74	75	163.5	1.6018	171.8	1.5858	141.9	1.5489	165.3	1.5981	163.0	1.5938
JAN	75	75	165.6	1.5816	177.3	1.5362	143.2	1.5352	168.2	1.5709	165.7	1.5678
FEB	75	75	166.0	1.5778	176.0	1.5472	144.0	1.5269	168.2	1.5707	165.8	1.5669
MAR	75	75	167.3	1.5653	176.7	1.5415	144.5	1.5220	169.4	1.5598	166.9	1.5565
APR	75	75	168.9	1.5505	177.0	1.5389	145.2	1.5138	170.7	1.5478	168.1	1.5449
MAY	75	75	170.4	1.5364	178.4	1.5268	145.6	1.5100	172.2	1.5342	169.6	1.5321
JUN	75	75	171.9	1.5233	177.5	1.5345	146.3	1.4976	173.2	1.5257	170.5	1.5232
JUL	75	76	172.6	1.5170	177.4	1.5350	147.9	1.4861	173.7	1.5210	171.1	1.5180
AUG	75	76	174.2	1.5030	176.1	1.5291	146.4	1.4966	175.1	1.5089	172.3	1.5078
SEP	75	76	175.1	1.4954	179.1	1.5205	147.6	1.4896	176.0	1.5011	173.2	1.5001
OCT	75	76	176.3	1.4850	179.5	1.5177	147.4	1.4915	177.0	1.4928	174.0	1.4927
NOV	75	76	177.6	1.4747	179.1	1.5209	147.3	1.4902	178.1	1.4835	175.0	1.4841
DEC	75	76	178.7	1.4658	181.6	1.4999	148.7	1.4785	179.3	1.4735	176.2	1.4739
JAN	76	76	179.1	1.4622	180.0	1.4722	149.0	1.4692	180.4	1.4645	177.3	1.4649
FEB	76	76	180.7	1.4493	180.3	1.4703	149.5	1.4708	181.7	1.4540	178.5	1.4555
MAR	76	76	181.8	1.4404	180.9	1.4653	149.7	1.4686	182.7	1.4460	179.4	1.4479
APR	76	76	181.2	1.4453	184.0	1.4506	149.6	1.4680	181.8	1.4533	178.6	1.4545
MAY	76	76	182.9	1.4321	180.2	1.4662	150.7	1.4591	183.6	1.4391	180.3	1.4408
JUN	76	76	183.0	1.4311	180.9	1.4576	151.7	1.4494	183.8	1.4371	180.6	1.4382

Monthly

INFLATION INDICES

JUL	76	77	185.7	1.4[illegible]	[illegible]	1.4370	[illegible]	1.4411	186.5	1.4165	183.1	1.4185
AUG	76	77	185.[illegible]	1.4[illegible]	[illegible]	1.4165	[illegible]	1.4353	187.1	1.4120	183.7	1.4140
SEP	76	77	186.[illegible]	1.4013	194.0	1.4038	[illegible]	1.4284	188.5	1.4018	185.0	1.4041
OCT	76	77	189.[illegible]	1.3944	194.7	1.3992	194.[illegible]	1.4197	190.4	1.3877	186.8	1.3904
NOV	76	77	189.7	1.3902	195.3	1.3945	195.[illegible]	1.4158	191.0	1.3854	187.4	1.3880
DEC	76	77	190.6	1.3741	195.7	1.3846	196.5	1.3871	191.9	1.3765	188.6	1.3774
JAN	77	77	191.6	1.3696	196.[illegible]	1.3716	196.4	1.3709	193.2	1.3677	189.9	1.3680
FEB	77	77	192.5	1.3615	197.[illegible]	1.3629	197.5	1.3751	194.0	1.3619	190.6	1.3630
MAR	77	77	193.4	1.3539	198.7	1.3435	198.[illegible]	1.3726	195.5	1.3515	192.0	1.3532
APR	77	77	195.3	1.3418	200.[illegible]	1.3437	198.[illegible]	1.3660	197.0	1.3415	193.4	1.3435
MAY	77	77	196.7	1.3314	201.4	1.3199	198.1	1.3561	198.8	1.3287	195.2	1.3310
JUN	77	77	197.4	1.3266	201.[illegible]	1.3065	198.[illegible]	1.3413	199.9	1.3220	196.3	1.3236
JUL	77	77	198.4	1.3194	202.2	1.2961	198.7	1.3347	201.4	1.3117	197.8	1.3136
AUG	77	77	200.2	1.3101	202.3	1.2950	198.[illegible]	1.3274	202.5	1.3050	198.8	1.3068
SEP	77	77	201.2	1.3013	203.3	1.2892	198.[illegible]	1.3092	203.5	1.2985	199.9	1.2994
OCT	77	78	200.7	1.3047	202.7	1.2930	198.2	1.2760	203.4	1.2991	200.3	1.2972
NOV	77	78	202.7	1.2922	203.6	1.2785	199.3	1.2689	205.0	1.2891	201.8	1.2873
DEC	77	78	203.5	1.2870	203.3	1.2651	199.[illegible]	1.2523	206.1	1.2819	203.1	1.2793
JAN	78	78	205.3	1.2754	203.[illegible]	1.2790	199.2	1.2336	207.0	1.2762	204.1	1.2725
FEB	78	78	207.4	1.2624	205.[illegible]	1.2624	199.[illegible]	1.2289	209.3	1.2624	206.3	1.2595
MAR	78	78	208.4	1.2567	204.2	1.2718	199.[illegible]	1.2245	209.7	1.2601	206.7	1.2570
APR	78	78	210.0	1.2471	204.1	1.2723	199.7	1.2236	210.9	1.2528	207.8	1.2502
MAY	78	78	210.6	1.2435	205.2	1.2654	200.2	1.2201	211.6	1.2485	208.5	1.2460
JUN	78	78	211.4	1.2388	207.6	1.2516	201.[illegible]	1.2105	212.8	1.2417	209.7	1.2390
JUL	78	78	213.4	1.2272	210.0	1.2380	203.[illegible]	1.1964	214.9	1.2296	211.8	1.2268
AUG	78	78	216.3	1.2105	211.7	1.2286	204.[illegible]	1.1947	217.5	1.2146	214.2	1.2129
SEP	78	78	217.3	1.2050	213.1	1.2208	206.4	1.1795	218.6	1.2088	215.4	1.2063
OCT	78	79	221.0	1.1844	215.4	1.2196	206.[illegible]	1.1767	221.6	1.1925	218.1	1.1911
NOV	78	79	223.4	1.1720	225.3	1.2197	207.9	1.1701	223.4	1.1827	219.9	1.1816
DEC	78	79	225.0	1.1640	228.4	1.1923	191.1	1.1504	225.7	1.1704	222.3	1.1687
JAN	79	79	227.6	1.1505	229.4	1.1924	191.5	1.1479	227.8	1.1598	224.2	1.1588
FEB	79	79	227.9	1.1492	229.7	1.1857	192.7	1.1411	228.3	1.1574	224.7	1.1560
MAR	79	79	228.6	1.1455	231.[illegible]	1.1766	193.1	1.1385	229.3	1.1525	225.6	1.1513
APR	79	79	229.8	1.1398	233.[illegible]	1.1652	193.[illegible]	1.1366	230.6	1.1455	226.9	1.1448
MAY	79	79	233.3	1.1227	241.[illegible]	1.1291	194.7	1.1290	235.0	1.1242	231.0	1.1246
JUN	79	79	234.1	1.1188	245.1	1.1113	197.[illegible]	1.1148	236.5	1.1171	232.6	1.1169
JUL	79	79	237.0	1.1051	249.2	1.0923	199.[illegible]	1.1031	239.7	1.1023	235.7	1.1023
AUG	79	79	237.9	1.1008	251.3	1.0838	201.[illegible]	1.0924	240.9	1.0967	236.9	1.0963
SEP	79	79	239.9	1.0917	253.4	1.0750	204.[illegible]	1.0776	242.9	1.0878	239.0	1.0869
OCT	79	80	246.1	1.0640	256.[illegible]	1.0641	205.1	1.0721	248.3	1.0640	244.0	1.0647
NOV	79	80	251.7	1.0404	260.[illegible]	1.0506	207.1	1.0616	254.2	1.0395	249.5	1.0414
DEC	79	80	253.9	1.0314	267.7	1.0175	212.[illegible]	1.0347	257.0	1.0282	252.5	1.0287
JAN	80	80	255.7	1.0243	269.[illegible]	1.0260	215.[illegible]	1.0214	257.7	1.0252	253.5	1.0248
FEB	80	80	258.2	1.0145	277.[illegible]	0.9803	217.[illegible]	1.0104	262.5	1.0063	258.0	1.0067
MAR	80	80	259.1	1.0110	[illegible]	0.9729	219.[illegible]	1.0005	263.7	1.0019	259.3	1.0017
APR	80	80	263.9	0.9924	[illegible]	0.9588	221.[illegible]	0.9908	265.8	0.9939	261.4	0.9936
MAY	80	80	266.1	0.9838	274.3	0.9930	222.[illegible]	0.9831	267.9	0.9863	263.3	0.9864
JUN	80	80	268.2	0.9758	275.4	0.9892	222.[illegible]	0.9709	269.8	0.9794	265.4	0.9786
JUL	80	80	271.5	0.9636	277.1	0.9830	223.7	0.9617	272.5	0.9686	268.4	0.9680
AUG	80	80	273.6	0.9559	279.9	0.9732	224.[illegible]	0.9589	275.0	0.9609	270.4	0.9607
SEP	80	80	274.[illegible]	0.9521	[illegible]	0.9726	224.1	0.9471	275.8	0.9578	271.5	0.9569

QUARTERLY INDICES

QTR	CY	AIRFRAME PRODUCTION INDEX CY67=	AIRFRAME PRODUCTION FACTOR FY80=	ENGINE PRODUCTION INDEX CY67=	ENGINE PRODUCTION FACTOR FY80=	AVIONICS PRODUCTION INDEX CY67=	AVIONICS PRODUCTION FACTOR FY80=	AGGREGATE AIR VEHICLE EXCLUDING AVIONICS INDEX CY67=	AGGREGATE AIR VEHICLE EXCLUDING AVIONICS FACTOR FY80=	AGGREGATE AIR VEHICLE INCLUDING AVIONICS INDEX CY67=	AGGREGATE AIR VEHICLE INCLUDING AVIONICS FACTOR FY80=
3	67	100.1	2.6151	[illegible]	2.7256	100.3	2.1924	100.1	2.6404	100.1	2.5955
4	67	102.0	2.5675	102.5	2.6566	101.2	2.1726	102.1	2.5874	102.0	2.5462
1	68	102.5	2.5557	103.7	2.6261	103.0	2.1559	102.8	2.5701	102.8	2.5264
2	68	102.4	2.5576	103.0	2.6255	103.5	2.1245	102.7	2.5751	102.8	2.5279
3	68	103.8	2.5229	103.0	2.5945	104.3	2.1027	104.1	2.5390	104.1	2.4952
4	68	107.0	2.4482	106.2	2.5853	105.9	2.0730	106.8	2.4741	106.7	2.4349
1	69	108.4	2.4151	108.1	2.5192	106.9	2.0572	108.4	2.4382	108.2	2.4005
2	69	109.3	2.3953	109.2	2.4934	107.[illegible]	2.0432	109.3	2.4179	109.1	2.3809
3	69	110.3	2.3746	110.0	2.4590	108.3	2.0203	110.4	2.3956	110.2	2.3567
4	69	113.0	2.3102	110.0	2.4529	109.7	2.0034	114.3	2.3122	113.8	2.2825
1	70	115.0	2.2772	120.5	2.2668	111.1	1.9787	116.2	2.2734	115.7	2.2451
2	70	115.7	2.2643	121.1	2.2492	112.7	1.9516	116.9	2.2608	116.4	2.2309
3	70	117.0	2.2401	122.1	2.2306	114.4	1.9212	118.0	2.2270	118.2	2.1974
4	70	119.9	2.1858	123.0	2.1986	115.9	1.8974	120.7	2.1884	120.2	2.1603
1	71	119.8	2.1864	125.2	2.1755	117.3	1.8740	121.0	2.1842	120.6	2.1540
2	71	120.6	2.1710	126.9	2.1466	117.9	1.8648	122.0	2.1654	121.6	2.1362
3	71	121.1	2.1621	128.8	2.1148	118.0	1.8627	122.8	2.1511	122.3	2.1233
4	71	122.7	2.1350	129.7	2.1001	117.5	1.8709	124.2	2.1269	123.6	2.1025
1	72	125.0	2.0949	130.9	2.0811	119.4	1.8413	126.3	2.0917	125.6	2.0679
2	72	128.7	2.0354	130.8	2.0524	120.3	1.8243	129.1	2.0460	128.3	2.0252
3	72	128.9	2.0309	132.7	2.1159	121.6	1.8074	128.9	2.0498	128.2	2.0268
4	72	133.1	1.9669	130.2	2.0921	122.3	1.7979	132.5	1.9942	131.5	1.9760
1	73	134.8	1.9435	131.5	2.0719	123.1	1.7861	134.0	1.9714	132.9	1.9542
2	73	136.0	1.9256	134.1	2.0316	124.3	1.7690	135.6	1.9489	134.4	1.9325
3	73	138.0	1.8960	136.6	1.9947	125.9	1.7458	137.7	1.9193	136.5	1.9033
4	73	142.1	1.8429	138.7	1.9634	128.1	1.7169	141.3	1.8692	140.0	1.8553
1	74	145.9	1.7950	141.9	1.9193	129.6	1.6965	145.0	1.8221	143.5	1.8107
2	74	150.5	1.7399	151.8	1.7940	132.5	1.6589	150.8	1.7520	149.0	1.7438
3	74	156.7	1.6709	164.4	1.6569	136.0	1.6162	158.4	1.6677	156.2	1.6632
4	74	162.5	1.6116	169.9	1.6052	139.3	1.5728	164.1	1.6097	161.7	1.6065
1	75	166.3	1.5749	176.7	1.5416	143.9	1.5280	168.6	1.5671	166.1	1.5637
2	75	170.4	1.5366	177.6	1.5334	145.9	1.5071	172.0	1.5359	169.4	1.5334
3	75	174.6	1.5050	175.2	1.5282	147.5	1.4907	174.9	1.5103	172.2	1.5086
4	75	177.6	1.4747	180.1	1.5128	147.9	1.4867	178.1	1.4832	175.1	1.4835
1	76	180.5	1.4506	185.4	1.4693	149.6	1.4695	181.6	1.4548	178.4	1.4560
2	76	182.3	1.4362	186.7	1.4671	150.7	1.4588	183.1	1.4431	179.8	1.4444
3	76	186.1	1.4075	192.0	1.4190	153.2	1.4351	187.4	1.4101	184.0	1.4122
4	76	189.8	1.3795	195.6	1.3927	156.3	1.4067	191.1	1.3825	187.6	1.3845
1	77	192.5	1.3606	200.4	1.3593	160.2	1.3729	194.2	1.3603	190.8	1.3614
2	77	196.5	1.3329	205.9	1.3232	162.3	1.3544	198.6	1.3307	194.9	1.3327
3	77	200.1	1.3085	210.6	1.2934	166.1	1.3237	202.5	1.3050	198.8	1.3066
4	77	202.3	1.2946	213.7	1.2748	173.7	1.2658	204.8	1.2900	201.7	1.2879
1	78	207.1	1.2648	214.3	1.2710	176.9	1.2290	208.7	1.2662	205.7	1.2629
2	78	210.7	1.2431	215.7	1.2630	180.5	1.2140	211.8	1.2476	208.6	1.2451
3	78	215.7	1.2143	221.6	1.2291	184.7	1.1901	217.0	1.2176	213.0	1.2153
4	78	223.1	1.1736	225.1	1.2103	188.6	1.1656	223.6	1.1818	220.1	1.1804
1	79	228.0	1.1484	228.9	1.1845	192.4	1.1425	228.4	1.1565	224.8	1.1553
2	79	232.4	1.1270	240.0	1.1347	195.1	1.1267	234.1	1.1288	230.2	1.1286
3	79	238.3	1.0991	251.3	1.0838	201.5	1.0909	241.2	1.0956	237.2	1.0952
4	79	250.6	1.0461	253.1	1.0331	208.2	1.0559	253.1	1.0437	248.7	1.0447
1	80	257.6	1.0143	274.3	0.9931	217.5	1.0107	261.3	1.0110	256.9	1.0110
2	80	266.0	0.9824	274.1	0.9936	225.7	0.9830	267.8	0.9865	263.4	0.9862
3	80	275.2	0.9504	279.0	0.9763	230.0	0.9650	274.5	0.9624	270.1	0.9619

HISTORICAL INFLATION
FISCAL YEAR INDICES

FY	AIRFRAME PRODUCTION INDEX CY67=	AIRFRAME PRODUCTION FACTOR FY80=	ENGINE PRODUCTION INDEX CY67=	ENGINE PRODUCTION FACTOR FY80=	AVIONICS PRODUCTION INDEX CY67=	AVIONICS PRODUCTION FACTOR FY80=	AGGREGATE AIR VEHICLE EXCLUDING AVIONICS INDEX CY67=	AGGREGATE AIR VEHICLE EXCLUDING AVIONICS FACTOR FY80=	AGGREGATE AIR VEHICLE INCLUDING AVIONICS INDEX CY67=	AGGREGATE AIR VEHICLE INCLUDING AVIONICS FACTOR FY80=
67	100.0	2.6000	100.0	2.6060	100.0	2.1000	100.0	2.5924	101.9	2.5487
68	101.7	2.5734	102.5	2.5573	102.0	2.1055	101.9	2.5924	101.9	2.5487
69	107.1	2.4447	107.1	2.5425	106.2	2.0703	107.1	2.4664	107.0	2.4271
70	113.6	2.3045	117.3	2.3226	110.5	1.9682	114.4	2.5089	114.0	2.2778
71	119.5	2.1920	124.5	2.1676	116.4	1.8691	120.6	2.1910	120.2	2.1618
72	124.4	2.1057	130.0	2.0945	118.7	1.8498	125.6	2.1031	124.9	2.0790
73	133.2	1.9659	131.1	2.0774	122.5	1.7900	132.7	1.9904	131.8	1.9717
74	144.1	1.8171	142.3	1.9147	129.0	1.7039	143.7	1.8386	142.2	1.8264
75	164.0	1.5970	172.1	1.5822	141.4	1.5549	165.8	1.5936	163.4	1.5902
76	178.5	1.4662	182.3	1.4938	148.9	1.4763	179.4	1.4724	176.4	1.4727
77	186.1	1.4075	192.0	1.4190	156.2	1.4351	187.4	1.4101	184.0	1.4122
78	194.7	1.3449	205.1	1.3411	161.2	1.3637	196.6	1.3440	193.0	1.3456
79	208.9	1.2535	218.3	1.2592	179.5	1.2251	210.6	1.2548	207.4	1.2522
80	230.5	1.1364	236.6	1.1514	194.4	1.1308	231.8	1.1398	228.1	1.1390
81	261.9	1.0000	272.4	1.0000	219.9	1.0000	264.2	1.0000	259.8	1.0000

APPENDIX G

Annual Data for The Historical Inflation Program -- Raw Material Portion Only

	1	2	3	ANNUAL CALENDAR			YEAR DATA											
47	70.5	54.9	0.0															
48	72.0	62.5	0.0															
49	70.5	61.0	0.0															
50	65.9	66.3	0.0															
51	105.4	75.6	0.0															
52	95.5	73.9	0.0															
53	99.1	76.5	0.0															
54	96.4	76.9	0.0															
55	102.9	82.1	0.0															
56	103.8	89.2	0.0															
57	103.4	91.0	0.0															
58	103.50	93.10	125.70	93.20	93.20	100.70	100.00	107.60	107.60	107.60	74.10	70.50	149.30	99.90	0.0	0.0	0.0	0.0
59	102.90	94.70	121.50	96.40	96.40	97.20	100.00	106.00	106.00	106.30	80.60	70.50	122.40	99.50	0.0	0.0	0.0	0.0
60	103.10	94.70	120.20	98.00	98.00	99.50	100.00	110.60	110.60	110.80	81.70	87.20	117.90	98.20	0.0	0.0	0.0	0.0
61	99.20	94.70	118.60	97.10	97.00	77.60	100.00	111.30	111.30	111.30	75.00	89.40	108.10	98.20	0.0	0.0	0.0	0.0
62	96.30	94.70	115.40	97.00	97.00	99.70	100.00	108.70	108.70	108.70	73.90	91.60	101.00	96.70	0.0	0.0	0.0	0.0
63	96.80	96.90	107.00	97.00	97.00	77.00	100.00	102.90	102.90	102.90	73.40	91.60	97.30	95.70	0.0	0.0	0.0	0.0
64	95.50	98.00	94.40	97.10	97.10	97.00	100.00	101.40	101.40	101.40	78.50	90.60	97.30	95.10	0.0	0.0	0.0	0.0
65	95.90	99.00	91.40	98.10	98.10	114.30	100.00	99.40	99.40	99.40	88.10	90.00	98.60	95.10	0.0	0.0	0.0	0.0
66	97.60	98.80	91.60	99.00	97.90	107.20	100.00	98.50	98.50	98.50	99.00	94.20	100.00	97.70	0.0	0.0	0.0	0.0
67	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	0.0	0.0	0.0	0.0
68	103.40	104.70	103.10	105.70	102.00	94.60	100.00	102.40	95.50	102.40	107.30	105.20	99.30	99.20	0.0	0.0	0.0	0.0
69	105.30	109.50	112.50	113.40	109.10	106.50	100.00	103.70	91.00	112.00	119.20	112.20	98.00	100.70	0.0	0.0	0.0	0.0
70	106.30	116.40	130.90	119.50	117.10	112.10	100.00	110.60	95.40	120.60	130.60	132.10	95.50	101.00	0.0	0.0	0.0	0.0
71	109.10	123.40	135.00	125.30	122.90	99.00	102.70	106.70	95.40	121.40	116.60	139.70	102.90	102.40	0.0	0.0	0.0	0.0
72	109.30	133.60	126.40	129.00	130.50	109.60	103.60	104.80	95.50	123.20	124.30	140.40	107.00	103.40	0.0	0.0	0.0	0.0
73	112.40	135.30	122.10	132.20	136.90	117.00	106.40	105.20	95.40	125.10	141.70	148.20	109.20	104.40	0.0	0.0	0.0	0.0
74	136.20	167.60	157.10	165.90	161.40	159.10	173.20	136.40	120.00	150.90	182.70	173.50	132.50	111.40	0.0	0.0	0.0	0.0
75	150.20	169.30	165.30	196.60	191.90	154.00	228.10	152.60	140.40	167.00	149.90	219.60	168.80	115.50	0.0	0.0	0.0	0.0
76	159.20	205.00	168.00	216.30	215.20	163.60	249.00	175.70	153.30	182.90	163.90	241.50	171.80	115.80	0.0	0.0	0.0	0.0
77	167.60	230.00	197.10	234.40	235.90	219.30	270.60	200.80	163.50	211.50	166.40	259.10	170.20	119.50	0.0	0.0	0.0	0.0
78	174.40	255.90	197.80	257.30	264.50	240.90	279.10	235.90	174.20	231.10	171.60	263.40	173.10	126.90	0.0	0.0	0.0	0.0
79	194.30	242.20	218.80	291.90	297.80	373.30	294.90	245.20	191.60	255.10	216.30	318.40	211.40	165.80	0.0	0.0	0.0	0.0
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)				

MATERIALS ONLY

LABOR RATE DATA

(15) (16) (17) (18)

MATERIAL COST DATA

APPENDIX H

MONTHLY DATA FOR THE HISTORICAL INFLATION PROGRAM - - RAW MATERIAL PORTION ONLY

MONTHLY DATA FOR
MATERIALS ONLY

														LABOR				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	007A	150[illegible]	150[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250115	250117	102502	250463	2505XX	117HXX	ELECT	ACFT	ENG	OTHER	
CY/MO	ROTOR	CR STL	STL	CAST	[illegible]	[illegible]	MAGNET	ALUM	SC.STK	EXTRU	CP/BRS	MONEL	TI.MIL	ELECT	3674.9	3721	3722	3723.9	FY
67JUL	96.20	100.30	99.10	100.00	99.20	100.30	100.00	100.10	100.10	100.10	96.70	98.90	100.00	99.60	0.0	0.0	0.0	0.0	68
67AUG	100.00	100.30	99.10	100.00	99.20	100.00	100.00	100.10	100.10	100.10	95.60	98.90	100.00	99.70	0.0	0.0	0.0	0.0	68
67SEP	101.30	100.00	99.10	100.00	101.20	100.00	100.00	100.10	100.10	100.10	96.40	98.90	100.00	99.50	0.0	0.0	0.0	0.0	68
67OCT	101.30	100.00	101.00	100.00	100.20	100.00	100.00	101.10	100.10	100.10	100.60	103.20	100.00	99.40	0.0	0.0	0.0	0.0	68
67NOV	102.40	100.00	103.20	100.00	101.50	100.00	100.00	101.10	100.10	100.10	105.10	103.20	100.00	99.10	0.0	0.0	0.0	0.0	68
67DEC	102.30	100.00	103.20	100.00	101.50	100.00	100.00	100.10	100.10	100.10	107.50	103.20	100.00	99.90	0.0	0.0	0.0	0.0	68
68JAN	102.40	103.40	103.20	101.40	101.40	100.00	100.00	100.10	100.10	100.10	115.10	103.20	100.00	99.70	0.0	0.0	0.0	0.0	68
68FEB	102.50	103.40	103.20	101.40	101.40	100.00	100.00	100.10	100.10	100.10	119.50	105.40	100.00	99.40	0.0	0.0	0.0	0.0	68
68MAR	102.60	103.40	103.20	104.60	101.40	100.00	100.00	100.10	100.10	100.10	120.00	105.40	100.00	99.10	0.0	0.0	0.0	0.0	68
68APR	102.60	103.40	103.20	104.60	101.40	100.00	100.00	100.10	100.10	100.10	122.20	105.40	99.20	99.40	0.0	0.0	0.0	0.0	68
68MAY	102.70	103.40	103.20	104.60	101.40	92.90	100.00	100.10	100.10	100.10	107.40	105.40	99.20	99.50	0.0	0.0	0.0	0.0	68
68JUN	103.00	103.40	103.20	105.40	101.40	92.90	100.00	103.30	101.60	101.50	102.70	105.40	99.20	99.10	0.0	0.0	0.0	0.0	68
68JUL	103.50	103.40	103.20	106.60	101.40	92.90	100.00	104.20	101.60	104.50	99.30	105.40	99.20	99.00	0.0	0.0	0.0	0.0	69
68AUG	104.00	103.40	104.10	106.40	101.40	89.20	100.00	104.20	101.60	104.50	98.90	105.40	99.20	99.00	0.0	0.0	0.0	0.0	69
68SEP	104.00	107.20	103.30	106.00	101.40	89.20	100.00	104.20	86.20	104.50	96.90	105.40	99.20	99.00	0.0	0.0	0.0	0.0	69
68OCT	104.20	107.20	103.30	106.00	101.70	92.90	100.00	104.20	86.20	104.50	99.10	105.40	99.20	99.00	0.0	0.0	0.0	0.0	69
68NOV	104.30	107.20	102.20	106.00	104.50	92.90	100.00	104.20	86.20	104.50	101.00	105.40	99.20	99.10	0.0	0.0	0.0	0.0	69
68DEC	104.40	107.20	102.20	106.00	105.60	92.90	100.00	104.20	86.20	104.50	102.60	105.40	99.20	99.10	0.0	0.0	0.0	0.0	69
69JAN	103.20	107.20	105.40	109.50	105.60	96.50	100.00	104.20	86.20	104.50	109.30	110.50	99.20	98.90	0.0	0.0	0.0	0.0	69
69FEB	103.80	107.20	105.40	109.50	105.60	100.00	100.00	104.30	90.50	108.30	109.20	110.50	99.20	100.20	0.0	0.0	0.0	0.0	69
69MAR	104.10	107.20	105.40	110.50	105.60	100.00	100.00	103.30	90.50	109.40	110.40	110.50	99.20	100.40	0.0	0.0	0.0	0.0	69
69APR	104.40	107.20	106.20	110.50	105.60	103.50	100.00	110.50	89.80	110.70	115.00	110.50	99.20	100.60	0.0	0.0	0.0	0.0	69
69MAY	104.20	107.20	106.40	113.60	106.10	103.50	100.00	110.50	89.80	112.00	116.10	110.50	99.20	100.60	0.0	0.0	0.0	0.0	69
69JUN	104.30	107.20	110.60	113.60	107.80	107.10	100.00	110.50	89.80	112.30	116.50	110.50	99.20	100.60	0.0	0.0	0.0	0.0	69
69JUL	105.70	107.20	110.60	113.60	108.70	110.70	100.00	110.50	89.80	112.30	118.40	110.50	99.20	100.50	0.0	0.0	0.0	0.0	70
69AUG	106.10	112.90	110.60	115.30	108.70	110.70	100.00	110.50	91.00	112.50	123.20	110.50	99.20	100.60	0.0	0.0	0.0	0.0	70
69SEP	105.80	112.90	110.60	116.30	109.10	110.70	100.00	110.50	93.40	112.30	127.00	110.50	95.50	101.20	0.0	0.0	0.0	0.0	70
69OCT	106.60	112.90	126.80	116.30	109.10	110.70	100.00	110.50	93.40	114.10	127.80	110.50	95.50	101.40	0.0	0.0	0.0	0.0	70
69NOV	107.50	112.90	126.80	116.30	110.70	110.70	100.00	110.50	93.40	116.80	127.80	110.50	95.50	101.70	0.0	0.0	0.0	0.0	70
69DEC	107.50	112.90	125.50	116.30	113.50	114.50	100.00	110.50	93.40	117.80	131.80	130.90	95.50	101.40	0.0	0.0	0.0	0.0	70
70JAN	107.30	107.50	130.90	117.90	114.80	117.90	100.00	110.60	93.40	117.80	135.70	130.90	95.50	101.40	0.0	0.0	0.0	0.0	70
70FEB	107.70	113.10	130.90	117.90	114.90	117.90	100.00	110.60	93.40	117.80	135.00	130.90	95.50	100.20	0.0	0.0	0.0	0.0	70
70MAR	107.60	113.10	130.90	117.90	115.30	117.90	100.00	110.60	93.40	117.50	132.00	130.90	95.50	100.20	0.0	0.0	0.0	0.0	70
70APR	107.50	113.10	130.70	117.90	115.30	117.90	100.00	110.60	93.40	119.00	135.10	130.90	95.50	100.60	0.0	0.0	0.0	0.0	70
70MAY	107.20	113.10	130.90	117.90	113.70	117.90	100.00	110.60	93.40	121.50	136.70	130.90	95.50	99.80	0.0	0.0	0.0	0.0	70
70JUN	107.10	119.40	130.90	117.90	117.50	117.90	100.00	110.60	93.40	121.70	136.70	130.90	95.50	101.20	0.0	0.0	0.0	0.0	70
70JUL	108.50	119.40	130.90	120.40	118.40	110.50	100.00	110.60	93.40	121.70	135.20	130.90	95.50	101.20	0.0	0.0	0.0	0.0	71
70AUG	109.20	119.40	130.90	120.40	118.40	107.10	100.00	110.60	93.50	121.70	132.40	130.90	95.50	101.00	0.0	0.0	0.0	0.0	71
70SEP	109.20	119.40	130.90	120.40	118.40	105.40	100.00	110.60	93.50	121.90	124.60	133.10	95.50	101.50	0.0	0.0	0.0	0.0	71
70OCT	109.10	119.40	130.90	121.50	118.40	105.40	100.00	110.60	93.50	121.90	123.90	133.10	95.50	101.50	0.0	0.0	0.0	0.0	71
70NOV	109.00	119.40	130.90	121.60	118.40	105.40	100.00	110.60	93.50	121.90	123.10	136.00	95.50	101.90	0.0	0.0	0.0	0.0	71
70DEC	109.00	119.40	130.90	121.60	118.40	105.40	100.00	110.60	93.50	121.90	118.80	136.00	95.50	101.90	0.0	0.0	0.0	0.0	71
71JAN	108.90	119.40	130.90	122.60	118.40	99.40	100.00	110.60	93.40	121.50	115.20	136.00	100.00	102.80	0.0	0.0	0.0	0.0	71
71FEB	109.00	119.40	130.90	122.60	118.40	99.40	100.00	110.60	93.40	121.50	115.20	136.00	100.30	103.30	0.0	0.0	0.0	0.0	71
71MAR	109.00	119.40	130.90	122.60	118.40	99.40	100.00	110.60	93.40	121.50	112.60	140.40	101.70	103.70	0.0	0.0	0.0	0.0	71
71APR	108.90	119.40	130.90	122.60	118.40	99.40	100.00	110.60	93.40	121.50	120.50	140.40	103.70	103.10	0.0	0.0	0.0	0.0	71
71MAY	108.90	119.40	130.90	122.60	121.70	99.40	100.00	110.60	93.40	121.50	124.00	140.40	103.70	102.70	0.0	0.0	0.0	0.0	71
71JUN	108.90	119.40	130.90	122.60	121.50	99.40	100.00	110.60	93.40	121.50	120.70	140.40	103.70	103.00	0.0	0.0	0.0	0.0	71
71JUL	108.90	127.40	130.90	122.60	121.50	101.20	100.00	110.60	93.40	121.50	120.70	140.40	103.70	103.10	0.0	0.0	0.0	0.0	72
71AUG	108.90	127.40	130.90	122.60	121.50	101.20	100.00	110.60	93.40	121.50	120.60	140.40	103.70	103.20	0.0	0.0	0.0	0.0	72
71SEP	108.90	127.40	130.90	122.60	121.50	101.20	100.00	110.60	93.40	121.50	119.50	140.40	103.70	102.80	0.0	0.0	0.0	0.0	72

H 2

MONTHLY DATA FOR
MATERIALS ONLY

	MATERIAL											LABOR							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	0087X	130252	13[illegible]	130141	130255	220411	130151	130181	130113	130117	102502	250463	2505XX	1175XX	ELECT	ACFT	ENG	OTHER	
CY/MO	RUBBER	CR STL	STUCS	CAST	FORGE	STEEL	MACH'Y	ALUM	STAMP	EXTRU	CP/BRS	MONEL	TI.MIL	ELECT	5674.9	3721	3722	3723.9	FY
71OCT	109.40	127.40	136.10	126.80	127.30	101.60	100.30	100.60	93.40	121.50	119.50	140.40	103.70	102.80	0.0	0.0	0.0	0.0	72
71NOV	109.30	127.40	136.10	126.80	127.00	101.30	100.40	100.60	93.40	120.90	119.10	140.40	103.70	102.60	0.0	0.0	0.0	0.0	72
71DEC	109.30	127.40	137.10	126.80	126.90	101.10	100.30	100.60	93.40	120.90	117.70	140.40	103.70	102.50	0.0	0.0	0.0	0.0	72
72JAN	109.50	129.10	137.10	127.60	127.50	101.10	100.40	100.60	93.40	121.60	119.70	140.40	103.70	102.40	0.0	0.0	0.0	0.0	72
72FEB	109.20	134.50	137.10	127.60	127.00	103.60	100.60	100.60	93.40	121.60	121.60	140.40	106.80	103.40	0.0	0.0	0.0	0.0	72
72MAR	109.90	134.50	136.10	127.60	127.70	110.70	100.60	100.10	93.40	121.60	125.40	140.40	107.10	103.40	0.0	0.0	0.0	0.0	72
72APR	109.70	134.50	136.10	127.60	127.70	110.70	100.60	100.10	93.40	123.10	125.30	140.40	107.10	103.20	0.0	0.0	0.0	0.0	72
72MAY	109.80	134.50	136.10	127.80	127.70	110.70	100.60	100.10	94.90	123.60	125.50	140.40	107.40	104.00	0.0	0.0	0.0	0.0	72
72JUN	109.80	134.50	120.40	127.80	127.90	110.70	100.60	100.10	93.40	123.80	125.30	140.40	107.40	103.90	0.0	0.0	0.0	0.0	72
72JUL	109.20	134.50	120.40	127.30	127.50	110.70	100.60	100.10	93.40	123.30	123.50	140.40	107.40	104.00	0.0	0.0	0.0	0.0	73
72AUG	109.50	134.50	117.50	130.90	131.30	110.70	100.60	100.10	93.40	123.60	123.50	140.40	107.40	103.70	0.0	0.0	0.0	0.0	73
72SEP	109.50	134.50	117.50	130.90	131.50	110.70	100.60	100.10	93.40	123.60	125.30	140.40	107.40	103.30	0.0	0.0	0.0	0.0	73
72OCT	109.50	134.50	117.50	130.90	131.50	110.70	100.60	100.70	93.40	123.80	125.10	140.40	107.40	103.20	0.0	0.0	0.0	0.0	73
72NOV	109.60	134.50	117.50	130.90	131.50	108.90	100.60	100.70	93.40	123.80	125.70	140.40	107.40	103.20	0.0	0.0	0.0	0.0	73
72DEC	109.60	134.50	117.50	130.90	132.00	108.90	100.60	100.70	93.40	123.80	125.90	140.40	107.40	103.30	0.0	0.0	0.0	0.0	73
73JAN	110.00	134.50	117.50	130.90	132.00	108.90	106.40	100.70	93.40	123.80	126.20	140.40	107.40	103.60	0.0	0.0	0.0	0.0	73
73FEB	110.10	134.50	117.50	130.90	132.00	110.70	106.40	100.70	93.40	123.80	127.90	140.40	107.40	103.60	0.0	0.0	0.0	0.0	73
73MAR	110.30	134.50	117.50	130.90	134.00	114.30	106.40	100.70	93.40	123.80	137.00	149.80	107.40	103.70	0.0	0.0	0.0	0.0	73
73APR	110.60	134.50	117.50	132.30	135.00	114.30	106.40	104.40	93.40	123.80	138.50	149.80	107.10	104.00	0.0	0.0	0.0	0.0	73
73MAY	111.50	134.50	123.40	132.30	135.00	116.10	106.40	104.40	93.40	125.20	141.90	149.80	106.40	104.40	0.0	0.0	0.0	0.0	73
73JUN	112.60	134.50	124.50	132.30	133.20	117.90	106.40	104.40	93.40	125.60	142.10	149.80	108.20	104.50	0.0	0.0	0.0	0.0	73
73JUL	112.50	134.50	124.50	132.30	138.20	117.90	106.40	104.40	93.40	125.20	141.60	149.80	108.20	104.60	0.0	0.0	0.0	0.0	74
73AUG	113.10	134.50	124.50	133.00	138.20	117.90	106.40	104.40	93.40	125.20	140.80	149.80	109.00	104.60	0.0	0.0	0.0	0.0	74
73SEP	112.80	134.50	124.50	133.00	138.20	117.90	106.40	105.60	93.40	125.20	143.50	149.80	111.10	104.60	0.0	0.0	0.0	0.0	74
73OCT	114.00	137.50	124.50	133.00	138.20	117.90	106.40	106.70	93.40	125.90	146.50	149.80	111.10	104.80	0.0	0.0	0.0	0.0	74
73NOV	114.80	137.50	124.60	133.00	138.90	117.90	106.40	107.20	93.40	126.90	154.30	149.80	112.30	104.90	0.0	0.0	0.0	0.0	74
73DEC	116.50	137.50	124.60	133.00	138.90	132.10	106.40	107.40	93.40	126.90	160.40	149.80	114.70	105.70	0.0	0.0	0.0	0.0	74
74JAN	117.70	137.50	126.90	142.60	142.20	135.70	116.80	117.80	102.00	130.20	165.20	149.80	114.70	106.20	0.0	0.0	0.0	0.0	74
74FEB	119.80	137.50	128.80	145.50	142.50	135.70	116.80	117.80	102.00	134.00	165.40	149.80	114.70	106.40	0.0	0.0	0.0	0.0	74
74MAR	123.80	142.00	134.90	145.50	144.40	135.70	123.75	117.30	106.90	136.10	178.50	149.80	121.80	107.20	0.0	0.0	0.0	0.0	74
74APR	129.40	146.60	140.10	143.50	145.20	144.60	130.70	125.00	116.40	144.50	189.00	149.80	121.80	108.30	0.0	0.0	0.0	0.0	74
74MAY	133.70	155.80	153.60	161.00	152.20	153.60	153.00	127.10	116.40	146.20	200.30	175.30	123.10	109.60	0.0	0.0	0.0	0.0	74
74JUN	135.60	165.40	159.60	159.30	162.40	153.60	153.00	152.30	123.20	150.40	203.70	175.30	124.30	111.30	0.0	0.0	0.0	0.0	74
74JUL	139.50	182.30	163.90	163.60	167.30	175.00	180.80	144.60	132.20	152.20	198.70	175.30	137.50	112.10	0.0	0.0	0.0	0.0	75
74AUG	143.40	188.50	173.10	179.70	168.10	175.00	219.70	151.00	140.40	163.80	188.90	191.30	137.50	113.90	0.0	0.0	0.0	0.0	75
74SEP	145.60	188.50	174.90	182.50	168.10	175.00	208.60	151.00	140.40	163.80	184.90	191.30	139.00	113.30	0.0	0.0	0.0	0.0	75
74OCT	147.50	188.50	174.90	182.50	182.90	175.00	208.60	151.00	142.20	163.80	181.60	191.30	151.70	114.30	0.0	0.0	0.0	0.0	75
74NOV	148.50	188.50	175.80	182.50	182.90	175.00	208.60	151.00	144.10	162.80	172.70	191.30	151.70	116.80	0.0	0.0	0.0	0.0	75
74DEC	149.40	190.00	178.90	182.50	182.90	175.00	208.60	151.00	144.10	162.80	163.50	191.30	151.70	117.00	0.0	0.0	0.0	0.0	75
75JAN	149.60	189.10	178.90	182.50	182.90	175.00	228.10	151.00	144.10	162.10	159.10	219.60	163.40	117.30	0.0	0.0	0.0	0.0	75
75FEB	150.00	189.10	169.60	185.00	182.90	175.00	228.10	151.00	144.10	162.10	156.00	219.60	163.40	117.00	0.0	0.0	0.0	0.0	75
75MAR	149.70	189.10	169.30	198.40	182.90	175.00	228.10	151.00	144.10	165.20	148.80	219.60	162.20	116.60	0.0	0.0	0.0	0.0	75
75APR	149.40	189.10	169.30	198.40	185.90	175.00	228.10	151.00	144.10	165.20	150.90	219.60	164.60	116.30	0.0	0.0	0.0	0.0	75
75MAY	148.90	185.00	169.30	198.40	195.40	169.80	228.10	151.00	144.10	165.00	148.00	219.60	170.80	115.60	0.0	0.0	0.0	0.0	75
75JUN	148.30	185.00	162.60	193.40	195.40	155.70	228.10	151.00	144.10	165.50	147.90	219.60	170.80	115.70	0.0	0.0	0.0	0.0	75
75JUL	150.10	184.80	162.90	201.10	195.40	155.70	228.10	151.00	144.10	165.50	145.80	219.60	171.80	115.60	0.0	0.0	0.0	0.0	76
75AUG	150.00	184.80	162.90	201.10	197.40	155.70	228.10	157.20	147.20	171.00	145.60	219.60	171.80	115.10	0.0	0.0	0.0	0.0	76
75SEP	150.80	184.80	162.90	201.10	197.40	142.90	228.10	157.20	147.20	171.00	147.10	219.60	171.80	114.50	0.0	0.0	0.0	0.0	76
75OCT	151.50	197.00	162.40	201.10	195.40	142.90	228.10	155.40	147.20	170.70	150.20	219.60	171.80	113.90	0.0	0.0	0.0	0.0	76
75NOV	151.50	197.00	156.90	201.10	196.40	142.90	228.10	155.40	147.20	170.70	151.30	219.60	171.80	114.30	0.0	0.0	0.0	0.0	76
75DEC	151.90	197.00	156.70	201.10	195.40	142.90	228.10	155.40	147.20	170.30	150.00	219.60	171.80	114.30	0.0	0.0	0.0	0.0	76

MATERIALS ONLY

	MATERIALS														LABOR				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	097X	130262	13	134	135142	136135	220111	220151	250101	250113	250117	102502	250463	2505XX	117XXX	ELECT	ACFT	ENG	OTHER	
CY/MO	NUMBER	CR STL	STEEL	CAST	FORGE	LEAD	MACHES	ALUMI	SS.STK	EXTRU	CP/BRS	MONEL	TI.MIL	ELECT	3674.9	3721	3722	3723.9	FY
75JAN	152.30	197.00	162.60	214.80	193.40	165.70	242.00	157.20	147.20	169.80	149.20	241.50	171.80	114.50	0.0	0.0	0.0	0.0	76
75FEB	154.20	197.00	162.60	214.80	195.40	165.70	242.00	157.80	147.20	169.80	150.10	241.50	171.80	114.90	0.0	0.0	0.0	0.0	76
75MAR	155.50	197.00	162.60	214.80	210.80	165.70	242.00	165.50	147.20	169.80	152.10	241.50	171.80	114.70	0.0	0.0	0.0	0.0	76
75APR	156.70	197.00	162.60	214.80	210.20	165.00	242.00	165.50	147.20	169.80	163.20	241.50	171.80	114.90	0.0	0.0	0.0	0.0	76
75MAY	157.10	197.00	162.60	214.80	210.20	162.50	242.00	167.30	154.60	175.30	166.70	241.50	171.80	115.00	0.0	0.0	0.0	0.0	76
75JUN	157.20	209.10	162.60	214.80	210.20	164.50	242.00	175.90	154.60	180.40	166.70	241.50	171.80	115.40	0.0	0.0	0.0	0.0	76
75JUL	158.20	209.10	162.60	214.80	219.50	176.60	255.90	175.90	154.60	180.70	168.80	241.50	171.80	115.40	0.0	0.0	0.0	0.0	77
75AUG	161.00	209.10	172.40	219.40	220.60	176.80	255.90	175.60	154.60	186.90	171.40	241.50	171.80	115.50	0.0	0.0	0.0	0.0	77
75SEP	163.60	209.10	176.30	219.40	220.60	176.80	255.90	190.30	156.80	197.50	172.40	241.50	171.80	115.80	0.0	0.0	0.0	0.0	77
75OCT	164.50	209.10	176.30	218.40	220.60	183.90	255.90	190.30	158.80	197.50	174.70	241.50	171.80	116.20	0.0	0.0	0.0	0.0	77
75NOV	164.80	209.10	176.30	218.40	228.60	183.90	255.90	190.30	156.80	197.50	169.90	241.50	171.80	116.40	0.0	0.0	0.0	0.0	77
75DEC	164.60	220.90	176.30	218.40	229.70	183.90	255.90	190.30	158.80	197.50	161.60	241.50	171.80	116.60	0.0	0.0	0.0	0.0	77
77JAN	164.50	222.60	185.00	219.40	231.80	189.30	255.90	190.30	158.80	197.50	159.00	241.50	171.80	117.90	0.0	0.0	0.0	0.0	77
77FEB	164.00	222.60	180.60	220.40	231.80	207.20	267.00	190.30	158.80	197.50	160.40	241.50	171.80	116.20	0.0	0.0	0.0	0.0	77
77MAR	164.30	222.60	180.60	230.40	231.80	221.40	267.00	190.30	158.80	197.50	167.40	262.60	171.80	116.20	0.0	0.0	0.0	0.0	77
77APR	165.90	222.60	180.60	233.40	231.80	221.40	267.00	196.60	161.50	208.70	175.30	262.60	171.80	118.80	0.0	0.0	0.0	0.0	77
77MAY	166.40	222.60	200.10	235.70	231.80	221.40	267.00	199.80	158.80	208.70	175.30	262.60	169.80	118.80	0.0	0.0	0.0	0.0	77
77JUN	167.40	222.60	205.40	235.70	231.80	221.40	267.00	199.80	159.80	209.30	172.90	262.60	169.80	118.90	0.0	0.0	0.0	0.0	77
77JUL	168.90	237.40	205.60	235.70	234.20	221.40	275.40	203.70	167.80	218.30	173.10	262.60	169.80	118.70	0.0	0.0	0.0	0.0	77
77AUG	169.10	237.40	205.60	239.40	234.20	221.40	275.40	204.60	167.80	220.20	170.20	262.60	170.00	118.80	0.0	0.0	0.0	0.0	77
77SEP	169.50	237.40	202.70	239.40	240.10	221.40	275.40	204.60	167.80	220.20	163.10	262.60	168.80	120.50	0.0	0.0	0.0	0.0	77
77OCT	170.20	237.40	202.70	241.20	240.10	221.40	275.40	206.00	167.80	220.20	159.60	262.60	169.10	121.10	0.0	0.0	0.0	0.0	78
77NOV	170.20	237.40	200.30	241.20	245.40	220.60	275.40	211.80	167.80	220.20	160.60	262.60	168.70	121.70	0.0	0.0	0.0	0.0	78
77DEC	170.00	237.40	200.30	241.20	245.90	235.70	275.40	211.80	167.80	220.20	161.20	262.60	168.70	121.50	0.0	0.0	0.0	0.0	78
78JAN	170.20	237.40	194.00	241.90	245.90	235.70	275.40	211.80	167.80	223.80	164.80	262.60	168.70	124.40	0.0	0.0	0.0	0.0	78
78FEB	170.20	250.80	194.00	241.90	245.90	235.70	275.40	217.00	167.80	225.20	166.80	262.60	169.30	124.70	0.0	0.0	0.0	0.0	78
78MAR	171.40	250.80	192.90	241.90	257.70	235.70	275.40	228.50	170.40	229.30	167.00	262.60	170.10	125.80	0.0	0.0	0.0	0.0	78
78APR	172.80	254.10	190.50	260.80	257.70	235.70	275.40	229.50	173.10	230.60	168.30	262.60	170.10	125.30	0.0	0.0	0.0	0.0	78
78MAY	173.80	254.50	192.70	260.00	263.70	228.60	280.90	223.50	173.10	230.60	169.10	262.60	172.20	126.00	0.0	0.0	0.0	0.0	78
78JUN	174.50	254.50	196.70	260.00	263.90	221.40	280.90	229.50	173.10	232.60	171.30	262.60	174.20	126.80	0.0	0.0	0.0	0.0	78
78JUL	174.90	254.50	202.00	260.00	263.90	221.40	280.90	235.20	173.10	232.00	169.70	262.60	174.20	127.10	0.0	0.0	0.0	0.0	78
78AUG	175.70	262.90	204.50	260.60	273.00	233.30	280.90	245.20	178.90	232.00	172.50	262.60	175.70	127.00	0.0	0.0	0.0	0.0	78
78SEP	176.70	262.90	203.30	263.90	275.00	235.70	280.90	245.20	178.90	232.00	173.80	262.60	175.60	127.20	0.0	0.0	0.0	0.0	78
78OCT	178.10	262.90	200.80	264.60	275.60	264.30	280.90	245.20	177.30	232.00	177.10	262.60	175.70	128.50	0.0	0.0	0.0	0.0	79
78NOV	179.40	262.90	200.90	265.00	275.60	271.40	280.90	245.20	177.30	236.10	178.20	262.60	176.00	130.00	0.0	0.0	0.0	0.0	79
78DEC	179.70	262.90	200.90	268.20	275.60	271.40	280.90	249.20	179.70	237.80	180.90	272.00	175.20	130.00	0.0	0.0	0.0	0.0	79
79JAN	180.80	275.70	206.30	269.90	283.10	285.70	280.90	245.20	185.00	240.40	187.90	272.00	176.40	130.40	0.0	0.0	0.0	0.0	79
79FEB	183.20	275.70	209.90	275.00	286.80	314.30	293.50	245.20	185.00	241.40	202.00	272.00	177.00	131.20	0.0	0.0	0.0	0.0	79
79MAR	185.90	275.70	209.90	283.00	297.90	328.60	293.50	245.20	185.00	242.40	213.60	277.80	180.30	131.70	0.0	0.0	0.0	0.0	79
79APR	188.00	275.70	212.70	284.10	297.90	342.60	293.50	245.20	187.30	250.20	222.10	289.50	204.30	132.70	0.0	0.0	0.0	0.0	79
79MAY	190.10	275.70	214.50	289.70	297.30	342.60	293.50	245.20	192.10	251.60	218.20	307.70	209.80	133.10	0.0	0.0	0.0	0.0	79
79JUN	191.10	275.70	214.10	289.70	297.30	405.60	293.50	245.20	192.10	251.60	215.30	326.00	210.80	134.50	0.0	0.0	0.0	0.0	79
79JUL	193.50	287.40	221.90	291.20	297.30	426.60	293.50	245.20	192.10	257.40	214.20	336.70	216.70	136.50	0.0	0.0	0.0	0.0	79
79AUG	196.00	289.00	224.60	292.40	298.60	414.30	293.50	245.20	192.10	260.60	216.40	336.70	217.60	137.10	0.0	0.0	0.0	0.0	79
79SEP	200.70	289.00	225.10	293.50	302.70	414.30	293.50	245.20	192.10	258.00	219.60	336.70	217.60	139.40	0.0	0.0	0.0	0.0	79
79OCT	203.00	289.00	226.40	294.40	313.30	459.30	303.20	245.20	195.30	268.10	230.20	336.70	222.60	139.90	0.0	0.0	0.0	0.0	80
79NOV	204.90	289.00	226.40	311.40	316.00	414.30	303.20	245.20	200.30	269.30	226.50	365.70	250.20	140.80	0.0	0.0	0.0	0.0	80
79DEC	205.90	289.00	226.40	312.20	316.00	410.70	303.20	245.20	200.30	271.90	229.00	365.70	253.90	142.10	0.0	0.0	0.0	0.0	80
80JAN	207.80	289.00	226.40	313.50	316.00	357.10	303.20	245.20	200.30	273.50	234.90	365.70	262.10	146.20	0.0	0.0	0.0	0.0	80
80FEB	210.70	289.00	226.40	314.30	327.70	304.30	303.20	245.20	200.30	275.50	257.80	456.00	262.10	149.90	0.0	0.0	0.0	0.0	80
80MAR	212.70	289.00	226.40	315.20	330.30	357.10	303.20	245.20	200.30	276.90	245.80	456.00	265.70	151.20	0.0	0.0	0.0	0.0	80

MONTHLY DATA FOR

MATERIALS ONLY

	MATERIALS														LABOR				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	007X	130262	130264	150141	150153	220111	220151	250101	250113	250117	102502	250463	2505XX	1178XX	ELECT	ACFT	ENG	OTHER	
CY/MO	RUBBER	CR STL	STNLS	CAST	FORGE	LEAD	MAGNES	ALUMN	SC.STK	EXTRU	CP/BRS	MONEL	TI.MIL	ELECT	3674.9	3721	3722	3723.9	FY
80APR	214.10	304.50	232.20	316.50	330.30	321.40	322.70	247.70	203.40	290.20	230.90	379.70	284.60	153.40	0.0	0.0	0.0	0.0	80
80MAY	215.00	304.50	232.20	318.30	330.30	289.30	322.70	245.30	203.40	290.90	227.70	379.70	284.60	155.30	0.0	0.0	0.0	0.0	80
80JUN	217.30	304.50	230.80	320.10	345.50	292.10	322.70	245.30	206.60	290.90	224.90	379.70	285.00	157.00	0.0	0.0	0.0	0.0	80
80JUL	218.80	289.00	230.80	335.80	345.50	242.90	322.70	247.70	206.60	289.90	224.60	379.70	288.60	158.10	0.0	0.0	0.0	0.0	80
80AUG	219.90	289.00	231.00	337.20	345.10	285.70	322.70	247.70	206.60	289.90	226.50	379.70	291.50	158.20	0.0	0.0	0.0	0.0	80
80SEP	221.20	289.00	231.00	338.60	345.10	300.00	322.70	247.70	206.60	289.90	223.00	379.70	292.80	160.80	0.0	0.0	0.0	0.0	80

H5

APPENDIX I

HISTORICAL INFLATION INDICES :

RAW MATERIAL PORTION ONLY.

HISTORICAL INFLATION
PRE-1958 INDICES

RAW MATERIAL PORTION ONLY

	AIRFRAME PRODUCTION		ENGINE PRODUCTION		AGGREGATE AIR VEHICLE EXCLUDING AVIONICS	
CY	INDEX CY67= 100.0	FACTOR FY80= 1.0000	INDEX CY67= 100.0	FACTOR FY80= 1.0000	INDEX CY67= 100.0	FACTOR FY80= 1.0000
47	17.0	3.6556	36.2	4.0700	21.3	3.8123
48	19.2	3.2374	41.2	3.5766	24.1	3.3663
49	19.3	3.2219	41.5	3.5488	24.2	3.3463
50	20.6	3.0247	43.7	3.3701	25.7	3.1552
51	23.1	2.6930	46.7	3.0262	28.8	2.8183
52	22.9	2.7143	48.7	3.0235	28.6	2.8312
53	23.4	2.6514	50.3	2.9297	29.4	2.7571
54	23.6	2.6293	50.7	2.9068	29.7	2.7347
55	25.4	2.4507	54.1	2.7220	31.8	2.5534
56	27.4	2.2686	58.8	2.5060	34.4	2.3588
57	27.9	2.2279	60.0	2.4567	35.0	2.3149

HISTORICAL INFLATION
CALENDAR YEAR INDICES

RAW MATERIAL PORTION ONLY

	AIRFRAME PRODUCTION		ENGINE PRODUCTION		AVIONICS PRODUCTION		AGGREGATE AIR VEHICLE EXCLUDING AVIONICS		AGGREGATE AIR VEHICLE INCLUDING AVIONICS	
	INDEX CY67=	FACTOR FY80=	INDEX CY67=	FACTOR FY80=	INDEX CY67=	FACTOR FY80=	INDEX CY67=	FACTOR FY80=	INDEX CY67=	FACTOR FY80=
CY	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000
58	27.7	2.2419	59.6	2.4730	31.5	1.5123	34.8	2.3298	34.5	2.2551
59	25.8	2.4088	56.3	2.6175	31.3	1.5183	32.6	2.4889	32.5	2.3952
60	26.2	2.3736	57.9	2.5432	30.9	1.5384	33.2	2.4393	33.0	2.3549
61	25.4	2.4480	57.0	2.5851	30.9	1.5364	32.4	2.5016	32.3	2.4092
62	24.5	2.5328	55.6	2.6391	30.5	1.5623	31.5	2.5747	31.4	2.4765
63	23.7	2.6284	54.2	2.7675	30.1	1.5786	30.2	2.6829	30.2	2.5727
64	23.5	2.6405	49.8	2.9596	30.0	1.5886	29.4	2.7606	29.4	2.6414
65	23.6	2.6345	49.0	3.0046	30.0	1.5886	29.3	2.7724	29.3	2.6514
66	23.8	2.6091	49.8	2.9598	30.8	1.5463	29.6	2.7402	29.7	2.6165
67	24.1	2.5738	52.8	2.7896	31.5	1.5108	30.5	2.6599	30.6	2.5416
68	24.5	2.5372	54.3	2.7113	31.2	1.5229	31.1	2.6047	31.1	2.4962
69	25.5	2.4375	57.8	2.5483	31.7	1.5002	32.7	2.4810	32.6	2.3855
70	26.2	2.3697	65.3	2.2562	31.8	1.4958	34.9	2.3225	34.6	2.2465
71	26.2	2.3744	67.7	2.1768	32.3	1.4753	35.4	2.2904	35.1	2.2155
72	26.6	2.3389	65.9	2.2351	32.6	1.4611	35.3	2.2958	35.0	2.2183
73	27.3	2.2793	66.2	2.2260	32.9	1.4471	35.9	2.2575	35.6	2.1827
74	34.2	1.8201	82.9	1.7778	35.1	1.3561	45.0	1.8028	44.0	1.7671
75	39.1	1.5891	95.7	1.5367	36.4	1.3080	51.7	1.5684	50.2	1.5495
76	42.2	1.4717	100.6	1.4645	36.5	1.3046	55.2	1.4688	53.3	1.4576
77	45.6	1.3634	111.5	1.3214	37.6	1.2642	60.2	1.3461	58.0	1.3408
78	49.2	1.2627	113.2	1.3009	40.0	1.1905	63.5	1.2779	61.1	1.2722
79	55.6	1.1188	130.2	1.1316	42.8	1.1125	72.2	1.1240	69.2	1.1232

HISTORICAL INFLATION
MONTHLY INDICES

RAW MATERIAL PORTION ONLY

			AIRFRAME PRODUCTION		ENGINE PRODUCTION		AVIONICS PRODUCTION		AGGREGATE AIR VEHICLE EXCLUDING AVIONICS		AGGREGATE AIR VEHICLE INCLUDING AVIONICS	
			INDEX CY67=	FACTOR FY80=	INDEX CY67=	FACTOR FY80=	INDEX CY67=	FACTOR FY80=	INDEX CY67=	FACTOR FY80=	INDEX CY67=	FACTOR FY80=
	CY	FY	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000
JUL	67	68	24.0	2.5866	52.4	2.6108	31.4	1.5138	30.3	2.6739	30.4	2.5541
AUG	67	68	24.1	2.5842	52.4	2.8106	31.4	1.5153	30.4	2.6711	30.5	2.5519
SEP	67	68	24.1	2.5733	52.4	2.8101	31.3	1.5183	30.4	2.6671	30.5	2.5490
OCT	67	68	24.2	2.5696	53.7	2.7446	31.3	1.5199	30.7	2.6375	30.8	2.5239
NOV	67	68	24.3	2.5609	54.1	2.7224	31.2	1.5245	30.9	2.6237	30.9	2.5128
DEC	67	68	24.3	2.5571	54.1	2.7221	31.5	1.5123	30.9	2.6212	31.0	2.5086
JAN	68	68	24.5	2.5418	54.1	2.7211	31.4	1.5153	31.1	2.6112	31.1	2.5005
FEB	68	68	24.6	2.5324	54.5	2.7055	31.3	1.5199	31.2	2.5996	31.2	2.4912
MAR	68	68	24.6	2.5308	54.5	2.7055	31.2	1.5245	31.2	2.5985	31.2	2.4911
APR	68	68	24.5	2.5329	54.4	2.7084	31.3	1.5199	31.2	2.6010	31.2	2.4925
MAY	68	68	24.3	2.5578	54.4	2.7103	31.3	1.5183	31.0	2.6172	31.0	2.5062
JUN	68	68	24.5	2.5370	54.4	2.7092	31.2	1.5245	31.1	2.6038	31.2	2.4956
JUL	68	69	24.6	2.5224	54.4	2.7085	31.2	1.5260	31.3	2.5944	31.3	2.4877
AUG	68	69	24.7	2.5222	54.6	2.6967	31.2	1.5260	31.3	2.5899	31.3	2.4839
SEP	68	69	24.4	2.5433	54.4	2.7088	31.2	1.5260	31.1	2.6076	31.1	2.4992
OCT	68	69	24.5	2.5422	54.4	2.7086	31.2	1.5260	31.1	2.6069	31.1	2.4986
NOV	68	69	24.5	2.5389	54.1	2.7220	31.2	1.5245	31.1	2.6098	31.1	2.5008
DEC	68	69	24.5	2.5360	54.1	2.7215	31.2	1.5245	31.1	2.6078	31.1	2.4991
JAN	69	69	24.6	2.5224	55.7	2.6457	31.2	1.5276	31.5	2.5708	31.5	2.4676
FEB	69	69	25.1	2.4732	55.7	2.6428	31.6	1.5077	31.9	2.5390	31.9	2.4370
MAR	69	69	25.2	2.4626	55.8	2.6422	31.6	1.5047	32.0	2.5321	32.0	2.4305
APR	69	69	25.4	2.4469	56.0	2.6312	31.7	1.5017	32.2	2.5181	32.2	2.4179
MAY	69	69	25.5	2.4356	56.1	2.6280	31.7	1.5017	32.3	2.5098	32.2	2.4108
JUN	69	69	25.6	2.4334	57.2	2.5767	31.7	1.5017	32.6	2.4893	32.5	2.3930
JUL	69	70	25.6	2.4275	57.2	2.5761	31.7	1.5052	32.6	2.4854	32.5	2.3898
AUG	69	70	25.8	2.4138	57.2	2.5753	31.7	1.5017	32.7	2.4765	32.6	2.3819
SEP	69	70	25.6	2.4311	56.9	2.5864	31.9	1.4928	32.5	2.4922	32.5	2.3941
OCT	69	70	25.7	2.4211	61.2	2.4079	31.9	1.4899	33.6	2.4158	33.4	2.3272
NOV	69	70	25.8	2.4094	61.0	2.4153	32.0	1.4855	33.6	2.4118	33.5	2.3231
DEC	69	70	26.1	2.3858	63.8	2.3106	31.9	1.4899	34.5	2.3537	34.2	2.2730
JAN	70	70	26.2	2.3770	65.1	2.2624	31.9	1.4899	34.8	2.3294	34.5	2.2517
FEB	70	70	26.2	2.3771	65.1	2.2625	31.6	1.5077	34.8	2.3295	34.5	2.2543
MAR	70	70	26.1	2.3817	65.1	2.2627	31.6	1.5077	34.8	2.3322	34.5	2.2566
APR	70	70	26.2	2.3728	65.1	2.2640	31.7	1.5017	34.8	2.3276	34.5	2.2518
MAY	70	70	26.3	2.3615	65.1	2.2616	31.4	1.5138	35.0	2.3201	34.6	2.2469
JUN	70	70	26.3	2.3598	65.2	2.2612	31.9	1.4928	35.0	2.3190	34.7	2.2430
JUL	70	71	26.3	2.3613	65.2	2.2612	31.9	1.4928	35.0	2.3198	34.6	2.2437
AUG	70	71	26.3	2.3612	65.2	2.2612	31.8	1.4958	35.0	2.3198	34.6	2.2441
SEP	70	71	26.2	2.3702	65.4	2.2514	32.0	1.4884	34.9	2.3208	34.6	2.2440
OCT	70	71	26.2	2.3707	65.4	2.2515	32.0	1.4884	34.9	2.3211	34.6	2.2443
NOV	70	71	26.2	2.3700	65.8	2.2381	32.1	1.4826	35.0	2.3149	34.7	2.2380
DEC	70	71	26.2	2.3759	65.8	2.2382	32.1	1.4826	35.0	2.3184	34.7	2.2410
JAN	71	71	26.1	2.3825	65.9	2.2367	32.4	1.4696	34.9	2.3214	34.7	2.2419
FEB	71	71	26.0	2.3925	65.9	2.2365	32.5	1.4625	34.9	2.3270	34.6	2.2457
MAR	71	71	26.1	2.3817	66.6	2.2127	32.7	1.4568	35.1	2.3105	34.9	2.2305
APR	71	71	26.4	2.3575	66.8	2.2069	32.5	1.4653	35.3	2.2943	35.1	2.2175

INFLATION INDICES
RAW MATERIAL PORTION ONLY

MAY	71	71	26.4	2.3529	68.6	2.2063	32.4	1.4710	35.4	2.2914	35.1	2.2158
JUN	71	71	26.4	2.3573	68.7	2.1445	32.4	1.4667	35.8	2.2665	35.4	2.1933
JUL	71	72	26.4	2.3539	68.7	2.1444	32.5	1.4653	35.8	2.2646	35.5	2.1914
AUG	71	72	26.4	2.3536	68.7	2.1443	32.5	1.4639	35.8	2.2644	35.5	2.1911
SEP	71	72	26.4	2.3563	68.6	2.1464	32.4	1.4696	35.8	2.2668	35.4	2.1939
OCT	71	72	26.4	2.3567	68.6	2.1464	32.4	1.4696	35.8	2.2670	35.4	2.1941
NOV	71	72	26.3	2.3597	68.6	2.1485	32.3	1.4725	35.7	2.2687	35.4	2.1960
DEC	71	72	26.3	2.3617	68.4	2.1549	32.3	1.4739	35.7	2.2736	35.3	2.2005
JAN	72	72	26.2	2.3696	68.4	2.1528	32.3	1.4753	35.6	2.2770	35.3	2.2037
FEB	72	72	26.5	2.3470	68.7	2.1448	32.6	1.4611	35.9	2.2610	35.5	2.1877
MAR	72	72	26.5	2.3426	69.0	2.1356	32.6	1.4611	36.0	2.2544	35.6	2.1819
APR	72	72	26.6	2.3374	69.0	2.1354	32.5	1.4639	36.0	2.2514	35.7	2.1797
MAY	72	72	26.7	2.3306	69.0	2.1343	32.6	1.4526	36.1	2.2472	35.8	2.1744
JUN	72	72	26.7	2.3326	64.4	2.2884	32.7	1.4540	35.0	2.3146	34.8	2.2336
JUL	72	73	26.6	2.3345	64.4	2.2885	32.8	1.4526	35.0	2.3157	34.8	2.2344
AUG	72	73	26.7	2.3324	63.6	2.3158	32.7	1.4568	34.9	2.3257	34.6	2.2438
SEP	72	73	26.7	2.3300	63.6	2.3157	32.5	1.4625	34.9	2.3242	34.7	2.2433
OCT	72	73	26.6	2.3372	63.6	2.3160	32.5	1.4639	34.8	2.3286	34.6	2.2473
NOV	72	73	26.6	2.3359	63.6	2.3160	32.5	1.4639	34.8	2.3278	34.6	2.2467
DEC	72	73	26.6	2.3356	63.6	2.3158	32.5	1.4625	34.8	2.3276	34.6	2.2462
JAN	73	73	26.6	2.3333	63.7	2.3134	32.6	1.4583	34.9	2.3253	34.7	2.2436
FEB	73	73	26.7	2.3307	63.7	2.3133	32.6	1.4583	34.9	2.3236	34.7	2.2422
MAR	73	73	26.9	2.3111	65.0	2.2664	32.7	1.4568	35.4	2.2928	35.1	2.2150
APR	73	73	27.0	2.3062	65.0	2.2661	32.8	1.4526	35.4	2.2898	35.2	2.2118
MAY	73	73	27.0	2.2967	66.5	2.2146	32.9	1.4471	35.8	2.2640	35.5	2.1884
JUN	73	73	27.2	2.2849	67.0	2.2002	32.9	1.4457	36.0	2.2499	35.7	2.1789
JUL	73	74	27.2	2.2865	67.0	2.2003	32.9	1.4443	36.0	2.2509	35.7	2.1765
AUG	73	74	27.2	2.2824	67.0	2.1983	32.9	1.4443	36.1	2.2477	35.8	2.1737
SEP	73	74	27.5	2.2623	67.2	2.1924	32.9	1.4443	36.3	2.2336	36.0	2.1613
OCT	73	74	27.7	2.2484	67.2	2.1917	33.0	1.4416	36.4	2.2251	36.1	2.1535
NOV	73	74	27.9	2.2250	67.4	2.1867	33.0	1.4402	36.7	2.2094	36.3	2.1394
DEC	73	74	28.4	2.1917	67.6	2.1795	33.3	1.4293	37.1	2.1868	36.7	2.1181
JAN	74	74	29.3	2.1203	68.5	2.1496	33.5	1.4226	38.0	2.1321	37.6	2.0689
FEB	74	74	29.5	2.1050	69.0	2.1341	33.5	1.4199	38.3	2.1167	37.8	2.0549
MAR	74	74	30.5	2.0382	71.5	2.0613	33.8	1.4093	39.6	2.0474	39.0	1.9922
APR	74	74	31.7	1.9586	73.1	2.0140	34.1	1.3950	40.9	1.9806	40.3	1.9309
MAY	74	74	32.8	1.8982	80.9	1.8215	34.5	1.3784	43.4	1.8665	42.6	1.8269
JUN	74	74	33.5	1.8557	82.7	1.7815	35.1	1.3574	44.4	1.8251	43.5	1.7874
JUL	74	75	35.5	1.7513	85.6	1.7207	35.3	1.3477	46.6	1.7388	45.5	1.7085
AUG	74	75	36.9	1.6858	91.2	1.6153	35.9	1.3264	49.0	1.6566	47.6	1.6318
SEP	74	75	36.9	1.6845	91.5	1.6094	35.7	1.3334	49.0	1.6534	47.7	1.6294
OCT	74	75	37.8	1.6465	92.6	1.5907	36.0	1.3217	50.0	1.6235	48.6	1.6011
NOV	74	75	37.6	1.6525	92.8	1.5870	36.8	1.2935	49.9	1.6254	48.6	1.6003
DEC	74	75	37.5	1.6579	93.6	1.5736	36.9	1.2912	50.0	1.6228	48.7	1.5977
JAN	75	75	38.5	1.6140	98.8	1.4908	36.9	1.2879	51.9	1.5619	50.4	1.5418
FEB	75	75	38.5	1.6152	96.4	1.5287	36.9	1.2912	51.4	1.5791	49.9	1.5578
MAR	75	75	38.5	1.6149	96.2	1.5315	36.7	1.2957	51.3	1.5801	49.9	1.5592
APR	75	75	38.7	1.6071	96.4	1.5281	36.6	1.2990	51.5	1.5743	50.0	1.5541
MAY	75	75	39.0	1.5935	96.9	1.5198	36.4	1.3069	51.9	1.5629	50.3	1.5444
JUN	75	75	39.0	1.5939	95.2	1.5478	36.4	1.3057	51.5	1.5750	50.0	1.5553
JUL	75	76	39.1	1.5920	95.5	1.5454	36.4	1.3069	51.6	1.5728	50.0	1.5535
AUG	75	76	39.7	1.5859	95.4	1.5440	36.5	1.3126	52.1	1.5570	50.5	1.5395
SEP	75	76	39.8	1.5841	95.4	1.5440	36.1	1.3194	52.1	1.5559	50.5	1.5390
OCT	75	76	39.6	1.5845	95.3	1.5464	35.9	1.3264	52.0	1.5601	50.4	1.5434
NOV	75	76	39.6	1.5865	93.8	1.5700	36.0	1.3217	51.7	1.5691	50.1	1.5513
DEC	75	76	39.6	1.5899	93.8	1.5708	36.0	1.3217	51.6	1.5703	50.1	1.5524
JAN	76	76	40.1	1.5496	98.7	1.4932	36.1	1.3194	53.1	1.5263	51.4	1.5118
FEB	76	76	40.3	1.5440	98.7	1.4930	36.2	1.3148	53.2	1.5230	51.5	1.5084
MAR	76	76	40.6	1.5318	98.8	1.4912	36.1	1.3171	53.5	1.5151	51.8	1.5013
APR	76	76	40.8	1.5234	98.8	1.4908	36.2	1.3148	53.7	1.5103	51.9	1.4967

INFLATION INDICES
RAW MATERIAL PORTION ONLY

MAY	76	76	41.5	1.4969	98.9	1.4394	36.2	1.3137	54.3	1.4938	52.5	1.4814
JUN	76	76	42.1	1.4751	99.0	1.4279	36.4	1.3091	54.8	1.4802	52.9	1.4685
JUL	76	77	42.3	1.4[illegible]	99.4	1.4827	36.4	1.3091	55.0	1.4747	53.1	1.4634
AUG	76	77	42.9	1.4507	102.0	1.4442	36.4	1.3080	56.0	1.4481	54.0	1.4387
SEP	76	77	44.1	1.4105	103.2	1.4277	36.5	1.3046	57.2	1.4174	55.1	1.4100
OCT	76	77	44.1	1.4106	103.3	1.4276	36.5	1.3001	57.3	1.4162	55.2	1.4085
NOV	76	77	44.1	1.4108	103.2	1.4271	36.7	1.2979	57.2	1.4174	55.2	1.4094
DEC	76	77	44.0	1.4144	103.2	1.4273	36.7	1.2957	57.1	1.4196	55.1	1.4113
JAN	77	77	43.9	1.4156	103.5	1.3964	37.1	1.2814	57.6	1.4078	55.6	1.3993
FEB	77	77	44.0	1.4122	106.2	1.3875	37.2	1.2781	57.8	1.4021	55.8	1.3939
MAR	77	77	44.4	1.4010	109.1	1.3507	37.2	1.2781	58.8	1.3803	56.6	1.3735
APR	77	77	45.4	1.3700	109.2	1.3491	37.4	1.2717	59.6	1.3615	57.4	1.3556
MAY	77	77	45.5	1.3650	112.6	1.3063	37.4	1.2717	60.4	1.3432	58.1	1.3386
JUN	77	77	45.5	1.3677	113.5	1.2963	37.5	1.2706	60.6	1.3388	58.3	1.3344
JUL	77	77	46.3	1.3428	114.3	1.2883	37.4	1.2727	61.4	1.3203	59.0	1.3172
AUG	77	77	46.4	1.3392	114.4	1.2880	37.4	1.2717	61.5	1.3181	59.1	1.3151
SEP	77	77	46.2	1.3446	113.5	1.2975	38.0	1.2537	61.2	1.3252	58.9	1.3206
OCT	77	78	46.3	1.3430	113.6	1.2973	38.1	1.2475	61.2	1.3242	58.9	1.3192
NOV	77	78	46.6	1.3334	113.0	1.3040	38.3	1.2414	61.4	1.3214	59.1	1.3162
DEC	77	78	46.6	1.3331	113.0	1.3039	38.3	1.2434	61.4	1.3212	59.1	1.3161
JAN	78	78	46.9	1.3269	111.4	1.3230	39.2	1.2144	61.2	1.3253	59.0	1.3180
FEB	78	78	47.3	1.3143	111.5	1.3218	39.3	1.2115	61.6	1.3173	59.3	1.3103
MAR	78	78	48.2	1.2888	111.4	1.3224	39.6	1.2009	62.3	1.3022	60.0	1.2955
APR	78	78	48.5	1.2821	110.8	1.3297	39.5	1.2057	62.3	1.3009	60.1	1.2946
MAY	78	78	48.7	1.2766	111.7	1.3189	39.7	1.1990	62.7	1.2934	60.4	1.2872
JUN	78	78	48.9	1.2706	112.9	1.3046	39.9	1.1914	63.2	1.2841	60.8	1.2780
JUL	78	78	49.3	1.2614	114.4	1.2882	40.0	1.1886	63.8	1.2721	61.4	1.2666
AUG	78	78	50.1	1.2404	115.3	1.2780	40.0	1.1896	64.6	1.2553	62.1	1.2511
SEP	78	78	50.2	1.2390	115.0	1.2814	40.1	1.1877	64.6	1.2558	62.1	1.2514
OCT	78	79	50.3	1.2368	114.3	1.2885	40.5	1.1757	64.5	1.2572	62.1	1.2519
NOV	78	79	50.5	1.2338	114.4	1.2876	40.9	1.1621	64.7	1.2532	62.3	1.2472
DEC	78	79	50.9	1.2221	115.7	1.2736	40.9	1.1621	65.3	1.2424	62.8	1.2371
JAN	79	79	51.1	1.2156	117.2	1.2565	41.1	1.1586	65.8	1.2318	63.4	1.2270
FEB	79	79	51.6	1.2040	118.6	1.2422	41.3	1.1515	66.5	1.2192	64.0	1.2148
MAR	79	79	52.2	1.1902	119.7	1.2309	41.5	1.1471	67.2	1.2063	64.7	1.2025
APR	79	79	54.5	1.1410	124.0	1.1884	41.8	1.1385	69.9	1.1597	67.1	1.1583
MAY	79	79	55.1	1.1276	128.5	1.1468	41.9	1.1350	71.4	1.1353	68.5	1.1353
JUN	79	79	55.4	1.1221	131.2	1.1228	42.4	1.1232	72.3	1.1224	69.3	1.1224
JUL	79	79	56.2	1.1064	133.9	1.1004	43.0	1.1068	73.5	1.1040	70.4	1.1041
AUG	79	79	56.5	1.1005	134.7	1.0937	43.2	1.1019	73.9	1.0978	70.8	1.0980
SEP	79	79	56.5	1.1008	134.8	1.0926	43.9	1.0838	73.9	1.0975	70.9	1.0966
OCT	79	80	57.5	1.0813	135.9	1.0841	44.1	1.0799	74.9	1.0824	71.8	1.0823
NOV	79	80	59.8	1.0397	141.8	1.0388	44.4	1.0730	78.0	1.0393	74.7	1.0413
DEC	79	80	60.2	1.0325	142.1	1.0365	44.5	1.0632	78.4	1.0341	75.1	1.0358
JAN	80	80	60.9	1.0204	142.8	1.0317	46.1	1.0333	79.1	1.0249	75.8	1.0254
FEB	80	80	62.1	1.0015	155.5	0.9473	47.2	1.0078	82.9	0.9788	79.3	0.9805
MAR	80	80	62.3	0.9981	155.8	0.9455	47.6	0.9992	83.1	0.9762	79.5	0.9776
APR	80	80	63.6	0.9759	146.9	0.9394	48.3	0.9846	82.6	0.9819	79.2	0.9821
MAY	80	80	63.5	0.9772	146.9	0.9895	48.3	0.9724	82.5	0.9833	79.1	0.9827
JUN	80	80	63.6	0.9779	144.6	0.9912	49.0	0.9823	82.5	0.9832	79.2	0.9819
JUL	80	80	64.0	0.9713	145.9	0.9891	49.8	0.9556	82.9	0.9787	79.6	0.9773
AUG	80	80	64.2	0.9678	149.2	0.9873	49.6	0.9550	83.1	0.9756	79.8	0.9743
SEP	80	80	64.3	0.9663	149.3	0.9867	50.7	0.9395	83.2	0.9746	80.0	0.9724

HISTORICAL INFLATION
DATE-CY INDICES

RAW MATERIAL PORTION ONLY

		AIRFRAME PRODUCTION		ENGINE PRODUCTION		AVIONICS PRODUCTION		AGGREGATE AIR VEHICLE EXCLUDING AVIONICS		AGGREGATE AIR VEHICLE INCLUDING AVIONICS	
		INDEX	FACTOR	INDEX	FACTOR	INDEX	FACTOR	INDEX	FACTOR	INDEX	FACTOR
		CY67=	FY80=	CY67=	FY80=	CY67=	FY80=	CY67=	FY80=	CY67=	FY80=
QTR	CY	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000
3	67	24.1	2.5837	52.4	2.8105	31.4	1.5158	30.4	2.6707	30.5	2.5517
4	67	24.3	2.5625	54.0	2.7297	31.3	1.5189	30.9	2.6275	30.9	2.5151
1	68	24.5	2.5350	54.3	2.7107	31.3	1.5199	31.2	2.6031	31.2	2.4943
2	68	24.5	2.5425	54.4	2.7093	31.3	1.5209	31.1	2.6073	31.1	2.4981
3	68	24.6	2.5293	54.5	2.7046	31.2	1.5260	31.2	2.5973	31.2	2.4903
4	68	24.5	2.5390	54.2	2.7173	31.2	1.5250	31.1	2.6081	31.1	2.4995
1	69	25.0	2.4858	55.7	2.6436	31.4	1.5133	31.8	2.5472	31.8	2.4449
2	69	25.5	2.4386	56.4	2.6117	31.7	1.5017	32.4	2.5057	32.3	2.4072
3	69	25.6	2.4241	57.1	2.5799	31.7	1.4993	32.6	2.4847	32.5	2.3886
4	69	25.9	2.4047	62.0	2.3770	32.0	1.4884	33.9	2.3934	33.7	2.3075
1	70	26.1	2.3786	65.1	2.2625	31.7	1.5017	34.8	2.3303	34.5	2.2542
2	70	26.3	2.3647	65.1	2.2623	31.7	1.5027	34.9	2.3222	34.6	2.2472
3	70	26.3	2.3642	65.2	2.2579	31.9	1.4923	35.0	2.3201	34.6	2.2439
4	70	26.2	2.3722	65.7	2.2426	32.1	1.4845	35.0	2.3181	34.7	2.2411
1	71	26.1	2.3855	66.1	2.2286	32.5	1.4630	35.0	2.3196	34.7	2.2393
2	71	26.4	2.3559	67.4	2.1855	32.4	1.4677	35.5	2.2840	35.2	2.2088
3	71	26.4	2.3546	68.7	2.1450	32.5	1.4663	35.8	2.2653	35.5	2.1921
4	71	26.4	2.3594	68.5	2.1493	32.3	1.4720	35.7	2.2698	35.4	2.1969
1	72	26.4	2.3550	68.7	2.1444	32.5	1.4658	35.8	2.2641	35.5	2.1910
2	72	26.6	2.3435	67.5	2.1837	32.7	1.4568	35.7	2.2706	35.4	2.1956
3	72	26.7	2.3323	68.9	2.1066	32.7	1.4573	34.9	2.3219	34.7	2.2405
4	72	26.6	2.3502	68.6	2.1159	32.5	1.4634	34.8	2.3280	34.6	2.2467
1	73	26.7	2.3250	64.1	2.2975	32.6	1.4578	35.0	2.3138	34.8	2.2335
2	73	27.1	2.2966	66.2	2.2266	32.9	1.4485	35.8	2.2678	35.5	2.1919
3	73	27.3	2.2770	67.1	2.1970	32.9	1.4443	36.1	2.2440	35.8	2.1705
4	73	28.0	2.2215	67.4	2.1860	33.1	1.4370	36.7	2.2070	36.4	2.1369
1	74	29.8	2.0872	69.7	2.1143	33.6	1.4172	38.7	2.0981	38.1	2.0381
2	74	32.7	1.9032	78.9	1.8670	34.6	1.3767	42.9	1.8884	42.1	1.8464
3	74	36.4	1.7066	89.4	1.6469	35.6	1.3358	48.2	1.6820	47.0	1.6558
4	74	37.6	1.6523	93.0	1.5837	36.6	1.3020	49.9	1.6239	48.6	1.5997
1	75	38.5	1.6147	97.1	1.5167	36.8	1.2916	51.5	1.5737	50.1	1.5529
2	75	38.9	1.5981	96.2	1.5318	36.5	1.3039	51.6	1.5707	50.1	1.5513
3	75	39.5	1.5739	95.4	1.5445	36.2	1.3129	51.9	1.5619	50.4	1.5440
4	75	39.6	1.5693	94.3	1.5623	36.0	1.3233	51.8	1.5665	50.2	1.5490
1	76	40.3	1.5418	98.7	1.4925	36.1	1.3171	53.3	1.5215	51.6	1.5072
2	76	41.5	1.4943	98.9	1.4894	36.3	1.3126	54.3	1.4947	52.5	1.4821
3	76	43.1	1.4431	101.5	1.4512	36.4	1.3073	56.1	1.4464	54.1	1.4370
4	76	44.1	1.4113	103.2	1.4274	36.7	1.2979	57.2	1.4177	55.1	1.4098
1	77	44.1	1.4096	106.9	1.3779	37.2	1.2792	58.1	1.3966	56.0	1.3888
2	77	45.4	1.3685	111.8	1.3182	37.4	1.2713	60.2	1.3478	57.9	1.3428
3	77	46.3	1.3422	114.1	1.2913	37.6	1.2660	61.4	1.3212	59.0	1.3176
4	77	46.5	1.3365	113.2	1.3017	38.3	1.2441	61.3	1.3222	59.0	1.3172
1	78	47.5	1.3098	111.4	1.3224	39.4	1.2089	61.7	1.3149	59.4	1.3078
2	78	48.7	1.2765	111.8	1.3176	39.7	1.1987	62.7	1.2928	60.4	1.2866
3	78	49.9	1.2469	114.9	1.2825	40.0	1.1886	64.3	1.2610	61.9	1.2563
4	78	50.6	1.2299	114.8	1.2832	40.0	1.1886	64.8	1.2509	62.4	1.2454

Monthly Indices

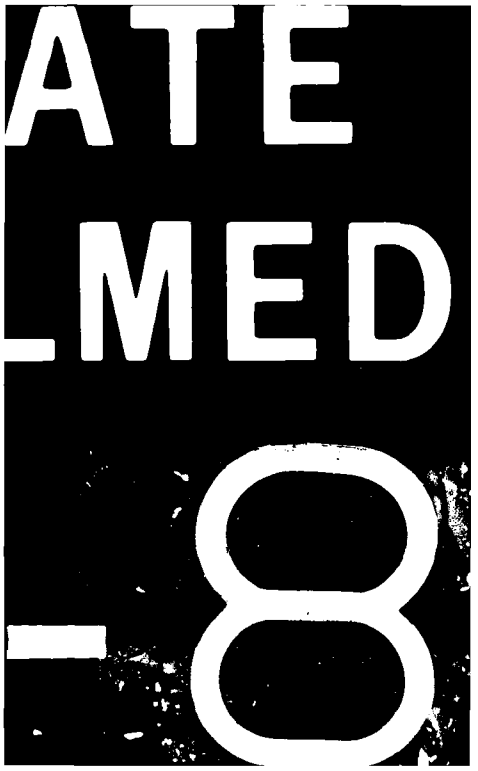
RAW MATERIAL PORTIO.. ONLY

1	77	61.7	1.0[illegible]	11[illegible]	1.2401	41.[illegible]	1.1524	66.5	1.2190	64.0	1.2147
2	79	55.0	1.1502	1[illegible]	1.1[illegible]	42.[illegible]	1.1522	71.2	1.1389	68.5	1.1385
3	79	56.4	1.1[illegible]	1[illegible]	1.0[illegible]	43.4	1.0974	73.7	1.0997	70.7	1.0996
4	79	59.2	1.[illegible]97	1[illegible]	1.0527	44.4	1.0720	77.1	1.0515	73.8	1.0528
1	80	61.1	1.[illegible]	151.4	0.9753	47.3	1.0152	81.7	0.9928	78.2	0.9940
2	80	63.6	0.97[illegible]	14[illegible]	0.9906	48.4	0.9732	82.5	0.9828	79.2	0.9822
3	80	64.2	0.[illegible]37	14[illegible]	0.9877	50.1	0.9500	83.1	0.9763	79.6	0.9746

HISTORICAL INFLATION
FISCAL YEAR INDICES

RAW MATERIAL PORTION ONLY

	AIRFRAME PRODUCTION		ENGINE PRODUCTION		AVIONICS PRODUCTION		AGGREGATE AIR VEHICLE EXCLUDING AVIONICS		AGGREGATE AIR VEHICLE INCLUDING AVIONICS	
FY	INDEX CY67= 100.0	FACTOR FY80= 1.0000	INDEX CY67= 100.0	FACTOR FY80= 1.0000	INDEX CY67= 100.0	FACTOR FY80= 1.0000	INDEX CY67= 100.0	FACTOR FY80= 1.0000	INDEX CY67= 100.0	FACTOR FY80= 1.0000
68	24.3	2.5558	55.8	2.7394	31.3	1.5189	30.9	2.6269	30.9	2.5146
69	24.9	2.4976	55.2	2.6686	31.4	1.5164	31.6	2.5639	31.6	2.4599
70	26.0	2.3928	62.3	2.3636	31.8	1.4980	34.1	2.3809	33.8	2.2980
71	26.2	2.3694	66.1	2.2283	32.2	1.4768	35.1	2.3104	34.8	2.2332
72	26.5	2.3501	68.3	2.1555	32.5	1.4652	35.8	2.2674	35.4	2.1939
73	26.8	2.3224	64.4	2.2861	32.7	1.4567	35.1	2.3076	34.9	2.2288
74	29.4	2.1121	70.8	2.0820	33.6	1.4183	38.6	2.0998	38.1	2.0394
75	37.9	1.6419	93.9	1.5682	36.4	1.3081	50.3	1.6113	48.9	1.5888
76	40.2	1.5452	96.8	1.5215	36.1	1.3165	52.8	1.5356	51.1	1.5201
77	43.1	1.4431	101.5	1.4512	36.4	1.3073	56.1	1.4464	54.1	1.4370
77	45.0	1.3823	109.0	1.3516	37.2	1.2785	59.2	1.3697	57.0	1.3688
78	48.1	1.2915	112.8	1.3059	39.3	1.2097	62.5	1.2973	60.2	1.2915
79	53.4	1.1641	123.9	1.1889	41.9	1.1365	69.1	1.1740	66.4	1.1716
80	62.2	1.0000	147.3	1.0000	47.6	1.0000	81.1	1.0000	77.7	1.0000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