

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

REPLY TO
ATTN OF: 1232

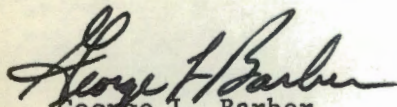
October 18, 1973

MEMORANDUM

TO: 1010/Director of Public Affairs
FROM: 1232/Reports & Property Accounting Section
SUBJECT: Total Accumulated Costs for Lewis Inspection

The revised total cumulative costs to date as of September 30, 1973, all fund sources against SJO No. X012533 for the Lewis Inspection are as follows:

	<u>LABOR (\$)</u>	<u>PURCHASES (\$)</u>	<u>TOTAL (\$)</u>
Balance @ 6-30-73	105,695	10,710	116,405
Current Year Costs FY73		31,077	31,077
Current Year Costs FY74 Fund Source 11		18,243	18,243
Current Year Costs FY74	392,696	5,087	397,783
Total	498,391	65,117	563,508


George L. Barber

cc:
1003/E. A. Richley
1200/A. J. Hess
1232/File

1232/MMarshall:jyb:10-18-73

Estimates for 1973 Inspection

	<u>Manhours</u>	
	<u>Professional</u>	<u>Support</u>
Administration	570	960
Invitations & Protocol	590	230
Publicity	420	120
Logistics	1380	3140
Technical Exhibits (10 Stops)	9680	16880
	<u>12640</u>	<u>21330</u>
	<u>x \$10</u>	<u>x \$5</u>
<u>Subtotal (Prelim. to Inspection)</u>	126400	106650
Inspection Days	3600	2400
	<u>\$10</u>	<u>\$ 5</u>
	36000	12000
<u>Total</u>	162400	118650
<u>GRAND TOTAL</u>	281K (Plus Materials, Models, etc.)	

~ 40 000 man hrs.

$$\frac{40\,000}{3300} \bigg| \frac{100}{2000} \approx 0.6 \% \text{ of yr. effort}$$



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

REPLY TO
ATTN OF:

1003

May 7, 1973

MEMORANDUM

TO: Distribution

FROM: Vice Chairman, 1973 Lewis Inspection

SUBJECT: Cost Information

The Center has been requested by NASA Headquarters to provide a cost estimate for the 1973 Lewis Inspection on or before May 15.

The purpose of this memorandum is to request from each of you an estimate of any expended or anticipated expenditures for materials, supplies and/or contracts and the like. Do not include any in-house labor estimates.

Please submit your itemized list to the writer no later than Friday, May 11.

Your help in this matter will be greatly appreciated. Please call me at PAX 3155 or 3254 if you have any questions regarding your estimates.

E. A. Richley
Edward A. Richley

Distribution:

E. W. Conrad
R. E. Jones
R. W. Luidens
H. Douglass
E. Otto
L. Rosenblum
J. Freche
R. L. Johnson
J. Modarelli
H. Mark

J. Powell
W. T. Olson
A. Wycoff
R. Godman
D. Prok
D. Thoennes
Inspection Files



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

REPLY TO
ATTN OF:

1000

May 10, 1973

MEMORANDUM

TO: 1003/Chief, Office of Operations Analysis & Planning
FROM: 1000/Assistant to Deputy Director, Management
SUBJECT: Outside Costs Associated with the Inspection

Pursuant to your May 7, 1973 memorandum requesting a breakdown of anticipated outside costs associated with the Inspection, the following is a listing for my part of the business:

a)	IBM MTST rental	\$2,690.00
b)	IBM MTST tapes	60.00
c)	IBM MTST carbon ribbons	45.00
d)	Pressure sensitive labels	32.00
1/ e)	Reference books	258.00
2/ f)	Address labels (4 sets)	1,180.00
g)	Reservation card formatting/printing	125.00
h)	Various envelopes, franking & card stock	350.00
i)	Miscellaneous supplies for office	100.00
Total		\$4,840.00

1/ Updating existing reference books in LeRC Library and should not be considered solely an Inspection expense.

2/ Estimated.

At this juncture I do not anticipate any substantial expenses over and above those I have outlined. Please call me if you have any questions.

Arthur R. Wycoff, Jr.

1003

May 11, 1973

MEMORANDUM

TO: General Chairman, 1973 Lewis Inspection

FROM: Vice Chairman, 1973 Lewis Inspection

SUBJECT: Inspection Cost Estimates

Per your request, we have developed the following cost estimate for the 1973 Lewis Inspection to be held September 19-21 (for invited guests) and September 22-23 (for the general public).

<u>Direct Manpower Costs</u>	<u>Prof.</u>	<u>Support</u>	<u>Total</u>
Administration	5,700	4,800	10,500
Invitations & Protocol	5,900	1,150	7,050
Publicity	4,200	600	4,800
Logistics	13,800	15,700	29,500
Technical Exhibits (10 Stops)	96,800	84,400	181,200
Inspection Days	36,000	12,000	48,000
			<u>281,050</u>
 <u>Materials, Supplies and Contracts</u>			 75,200
			<u>356,250</u>

Edward A. Richley

cc:
Inspection Files

OFFICIAL FILE COPY

CONCURRENCES

OFFICE CODE	▶							
INITIALS	▶							
DATE	▶							

2610

May 11, 1973

MEMORANDUM

TO: Lewis Inspection Headquarters
Attn: 1003/E. A. Richley

FROM: 2610/Lubrication Branch

SUBJECT: Cost Information on Planned Impact of Wear Inspection
Stop

The following is the itemized list of cost information of Stop 8
"Impact of Wear" requested:

- | | |
|---|----------|
| 1. Scanning Electron Microscope Display | |
| Materials for parts | \$200.00 |
| 2. Gallium Display | |
| High purity gallium | \$500.00 |
| Materials for parts | \$200.00 |
| 3. Friction Display | |
| Materials - bearings, etc. | \$500.00 |
| Special springs | \$200.00 |
| 4. Sputtering Display | |
| Glass cylinder | \$225.00 |
| Lucite shield | \$100.00 |
| 5. E.H.D. Display | |
| High pressure lamp | \$240.00 |
| Transparent disk | \$300.00 |
| Materials | \$200.00 |
| Optics | \$300.00 |
| 6. Hip Prosthesis Display | |
| Parts - bearings, gears, etc. | \$500.00 |
| Materials | \$200.00 |
| 7. Chart materials | \$100.00 |
| 8. Photo materials | \$100.00 |

Dan Prok has informed us that costs of area preparation, stage and
P.H. system will be made by Dan Thoennes, Technical Service Manager,
and costs of other electronic equipment by Dan Meges.

Max A. Swikert

cc: 2600/A. Ginsburg, 2600/E. E. Bisson, 2610/R. L. Johnson
2610/M. A. Swikert, 7212/D. L. Thoennes, 7013/D. S. Prok

2610/MA: [unclear] 5/11/73



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

REPLY TO
ATTN OF: 3300

May 17, 1973

MEMORANDUM

TO: 1003/Acting Chief, Office of Operations Analysis & Planning
FROM: 3300/Assistant Chief, Spacecraft Technology Division
SUBJECT: Supplement to Cost Estimation for Stop #5 of Lewis Inspection

The earlier estimate assumed that an in-house TV camera would be adequate. Further investigation has indicated operation problems. It is now planned to rent a camera for this inspection. The renting of a camera for three weeks will cost approximately \$1200 (\$400/week).

It is requested that \$1200 be added to the estimate cost of station #5.

E. W. Otto

cc:
3300/Official Files
3321/E. B. Hurst
3320/SE Br. Files

7013

June 13, 1973

MEMORANDUM

TO: 2631/Cavour H. Hauser

FROM: 7013/Technical Services Coordination Office

SUBJECT: Visual Aid Equipment Requirements for 1973 Fall Inspection

The following is a list of visual aid equipment required for the 1973 Fall Inspection at Lewis Research Center:

<u>Stop</u>	<u>Title</u>	<u>Equipment Required</u>
1	Quieting the Fleet	1-3 1/4"x4" slide projector
2	Cleaner Skies	1-35 mm slide projector
3	Powered Lift	1-35 mm slide projector
4	Boost from Rockets(option 1)	8-35 mm slide projectors
		1-High intensity 16 mm movie projector
	(option 2)	2-35 mm slide projectors
		1-High intensity 16 mm movie projector
5	Space Electronics Technology	None
6	Energy for a Better Life	1-3 1/4"x4" slide projector
7	Materials for Man	1-35 mm slide projector 1-16 mm movie projector
8	The Impact of Wear	1-35 mm slide projector 1-8 mm movie projector
9	Servants in Space	1-35 mm slide projector 1-16 mm movie projector 1-3 1/4"x4" slide projector
10	NASA Exhibit Area	4-35 mm slide projectors

2

This equipment should be available for rehearsals scheduled for the last week of August 1973.

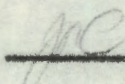
Daniel S. Prok

cc:

1003/E. Richley
7212/D. Thoenes

7013/DSProk:sh:6-13-73

Concurrence:





NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

REPLY TO
ATTN OF: 2530

May 11, 1973

MEMORANDUM

TO: 1003/Vice Chairman, 1973 Lewis Inspection
FROM: 2530/Stop 1 Organizer
SUBJECT: Cost Information

1. 5-1/2 inch fan inlet noise experiment
 - a. Lexon shield, clamps, tubing, etc. \$200
 - b. T.V. closed circuit - on hand -
2. Jet noise experiment
 - a. 2600 psi air supply line 800
 - b. Pressure reduction station
(95 percent from CURE) 30
 - c. Nozzles plumbing and nozzles 500
 - d. Velocity and thrust indicators 150
3. General
 - a. Sound level meter - new face
(meter loan from Instrument Stock) 30
 - b. Lights, wiring, and control 100
 - c. Sound system - wiring and control
(speakers, amplifier, tape recorder,
and microphones - loan from Instrument
Stock) 70
 - d. Stage
 - (1) Platforms and back drops
(generally from storage) 150

(2) Painting	100
(3) Signs	150
e. 10x10 Shop window covers (Black plastic sheet 0.006 thick)	30
f. Sound absorbing back "drapes"	100
g. Miscellaneous	400
4. CTOL over-the-wing model (wood) (1/2 span - 6-foot model)	500
5. All other models and displays on hand - stands, etc.	<u>200</u>

Total Cost: \$3,510

E. William Conrad

E. William Conrad

cc:

W. Stewart

E. W. Conrad

R. Schmiedlin

B. Leonard

R. Antl

F. Dunn

1973 Show-Combustor Rig - PSL 3 & 4

COST ESTIMATE:

RIG WELDMENT & ASSOC INTERNAL PARTS	2500. ⁰⁰
WINDOW FLANGES	500. ⁰⁰
WINDOWS (6) NO "O" RING GROOVES	1800. ⁰⁰
" FINIAL FINISH	300. ⁰⁰
PLUSTIC SHIELD	100. ⁰⁰
ELECTRICAL ITEMS	500. ⁰⁰
WATER & FUEL SYSTEM ITEMS	1000. ⁰⁰
CONTROL VALVES	900. ⁰⁰
MISC PIPING ITEMS	1000. ⁰⁰
	SUB 8600. ⁰⁰
10%	900. ⁰⁰
	\$9500. ⁰⁰

PIPING INSTALLATION (EST. if contracted)	\$3000.-
	\$12,500.00
	- 5500
	7000

Stop # 3

I. Wind Tunnel Model

Blower ----- 300

Lumber, Plexiglas, ----- 150

Paint etc

Misc ----- 20

470

470

II. Airport Display

Electrical Timers ----- 100

Other Electrical ----- 50

150

150

\$ 620

Not included are additional displays, painting, wall construction
etc.

Hydraulic cylinder

Bearing

Misc Hardware

Instrumentation

900

\$ 1520

reusable



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

REPLY TO
ATTN OF: 9500

May 11, 1973

MEMORANDUM

TO: 1003/Vice Chairman, 1973 Lewis Inspection
FROM: 9501/Chief, Offices for Administration and Design Criteria
SUBJECT: Cost Estimate for Launch Vehicles Inspection Stop

Our very preliminary estimate of the costs associated with the Launch Vehicles inspection stop is as follows:

Rental of draperies	\$300
Rental of special projection equipment	300
Material for theater ceiling	150
Materials for special staging*	500
Purchase/freight/rental display items	850
TOTAL	<u>\$2100</u>

*In addition to Botos' estimate of \$2000/stage.

A handwritten signature in blue ink, appearing to read "Bob", is located above the typed name of the sender.

Robert C. Kohl



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

REPLY TO
ATTN OF: 3300

May 11, 1973

MEMORANDUM

TO: 1003/Acting Chief, Operations Analysis & Planning Office
FROM: 3300/Assistant Chief, Spacecraft Technology Division
SUBJECT: Cost Estimations for Stop #5 of Lewis Inspection

Following is a list of costs estimated for the subject stop:

1. Spacecraft mock-up outside contract - material and labor	= \$5000.00
2. Four mock-up antennas 300 each	= 1200.00
3. Stands and shelves	= 200.00
4. Alterations and additions to present platform and backdrop modules - paint, etc.	= 200.00
	\$6600.00

This assumes the following items are available

- public address system
- lights
- stage platform and backdrop modules
- chart changer
- materials for charts

If stop is located in SPC, the following additional costs may be necessary:

2

1. Cleaning and painting area

\$12,000.00

2. Rental cost for drapes shielding engine
shop (optional)

300.00

E. W. Otto

E. W. Otto

cc:

3300/E. W. Otto

COSTS

F. Stenger - Stop # 6

Asked that we make a change on his Inspection Cost Estimate - increase total cost by \$500.

"Shipping Charge" for a Windmill Rotor should be \$700 rather than the \$200 shown on his breakout.

Total Projected Cost Estimate for Stop #6: \$3350.00

5/11/73

1973 LEWIS INSPECTION - STOP #6

"CLEANER ENERGY FOR A BETTER LIFE"

PRELIMINARY COST ESTIMATE (AS OF 5-11-73)

TURBINE DISPLAYS:

SHIPPING CHARGES
(TURBINE CAR, ENGINE,
TURBOTRAIN MODEL)

—————→ \$ 750

SHIPPING CHARGE, WINDMILL ROTOR

—————→ ~~\$ 200~~
700

SOLAR POWER DISPLAYS:

SHIPPING CHARGES
(WEATHER STATION TOWER)

—————→ \$ 100

ANIMATED FLOW LOOP
(SOLAR ABSORBER)

—————→ \$ 600

ELECTROCHEMICAL DISPLAYS:

SHIPPING CHARGES
(POSTAL TRUCK)

—————→ \$ 200

PHYSICAL SCIENCE DIV. DISPLAYS
(ANIMATED FLOW LOOP)

—————→ \$ 600

FACILITY COSTS:

SHARE OF SOUND SYSTEM

—————→ \$ 100

8 FT. PROJECTION SCREEN

—————→ \$ 100

MISC. SPOTLIGHTS, ETC.

—————→ \$ 200

TOTAL ~~\$ 2850~~
\$ 3350

F.J. STENGER
5-10-73



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

REPLY TO 5500
ATTN OF:

May 11, 1973

MEMORANDUM

TO: 1003/Vice Chairman, 1973 Lewis Inspection

FROM: 5500/Assistant Chief, Materials and Structures Division

SUBJECT: Cost Estimate - 1973 Inspection

REF.: Memo dated May 7, 1973 from E. A. Richley

In response to the reference memo requesting a cost estimate for the 1973 Lewis Inspection, we expect the M&S share of the Exhibit Site #7 to be about \$35,000. This does not include site preparation, staging, P.A. systems, seating and other general area requirements under the control of the Building Manager.

John C. Freche

cc:
5500/J. C. Freche
5500/F. B. Garrett



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

REPLY TO
ATTN OF:

2610

May 11, 1973

MEMORANDUM

TO: Lewis Inspection Headquarters
Attn: 1003/E. A. Richley

FROM: 2610/Lubrication Branch

SUBJECT: Cost Information on Planned Impact of Wear Inspection Stop

The following is the itemized list of cost information of Stop 8 "Impact of Wear" requested:

1. Scanning Electron Microscope Display	
Materials for parts	\$200.00
2. Gallium Display	
High purity gallium	\$500.00
Materials for parts	\$200.00
3. Friction Display	
Materials - bearings, etc.	\$500.00
Special springs	\$200.00
4. Sputtering Display	
Glass cylinder	\$225.00
Lucite shield	\$100.00
5. E.H.D. Display	
High pressure lamp	\$240.00
Transparent disk	\$300.00
Materials	\$200.00
Optics	\$300.00
6. Hip Prosthesis Display	
Parts - bearings, gears, etc.	\$500.00
Materials	\$200.00
7. Chart materials	\$100.00
8. Photo materials	\$100.00

Dan Prok has informed us that costs of area preparation, stage and P.H. system will be made by Dan Thoennes, Technical Service Manager, and costs of other electronic equipment by Dan Meges.

Max A. Swikert

Max A. Swikert

cc: 2600/A. Ginsburg, 2600/E. E. Bisson, 2610/R. L. Johnson
2610/M. A. Swikert, 7212/D. L. Thoennes, 7013/D. S. Prok

Telecon

To: Inspection Office

From: Herman Mark via secretary (Carol/5268)

Subject: Inspection Costs

Skylab - \$1,500

ERTS - \$1,500

\$1,500 (In-house - Puchas of Optical Equipment)

\$4,500 Total

COST ESTIMATEHANGAR - STOP 10

Signs (Identification and Traffic Control)	\$ 1,500
Sanitary Facilities	500
Models (Wood & Metal)	1,000
Drapes - Rental	500
Shipping expenses (assuming other labs pay for their exhibits)	7,500
Set-up Contractor in Hangar	3,200
Displays (Animated-Polarized)	1,500
Special Fabrication - Apollo parachute rings, etc.	5,000
Sound Equipment - rental and purchase	2,000
Electric wire, etc.	<u>1,000</u>

\$23,700

- 7500

16200



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

REPLY TO
ATTN OF:

7111

May 11, 1973

MEMORANDUM

TO: 1900/Chief, Management Services Division

FROM: 7111/E. Botos, Head, Bldg. Maintenance Section

SUBJECT: Estimate of Material Cost Projected for September Open House

Working with an unknown total quantity at this time, we can only give an approximate cost of the material which will be needed to complete each show stop.

We have used a maximum figure of two thousand dollars for each of the ten display areas. This cost would be reduced by the use of the salvage show materials, which are now stored in Plum Brook.

The final total figure should be considerably less upon completion.

Total Show Stops	- 10 each
Estimated Material Cost Each	- \$2,000.00
Total Estimate	- \$20,000.00

Elmer E. Botos

Elmer E. Botos

cc:
7111/Official File
7110/G. Mahnke

7111/EEBotos:ag:5/11/73

CONCURRENCE:

GLM *[Signature]*

JCE *[Signature]*

JFC *[Signature]*

*Redundant
with stop
appendix*



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

REPLY TO
ATTN OF: 1960

May 11, 1973

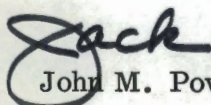
MEMORANDUM

TO: Vice Chairman, 1973 Lewis Inspection
FROM: Logistics Chairman, 1973 Lewis Inspection
SUBJECT: Cost Information

Here is my estimate of anticipated expenditures, other than in-house labor, for the 1973 Lewis inspection.

<u>ITEM</u>	<u>COST</u>
Buses (5 days)	\$5,900
Portable toilets	300
Signs & miscellaneous	<u>2,000</u>
TOTAL	\$8,200

If the buses are needed for more than five days, the cost will go up by \$1,180 per day.


John M. Powell



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

REPLY TO
ATTN OF:

1000

May 10, 1973

MEMORANDUM

TO: 1003/Chief, Office of Operations Analysis & Planning
FROM: 1000/Assistant to Deputy Director, Management
SUBJECT: Outside Costs Associated with the Inspection

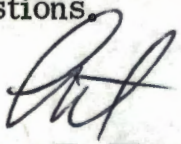
Pursuant to your May 7, 1973 memorandum requesting a breakdown of anticipated outside costs associated with the Inspection, the following is a listing for my part of the business:

a)	IBM MTST rental	\$2,690.00
b)	IBM MTST tapes	60.00
c)	IBM MTST carbon ribbons	45.00
d)	Pressure sensitive labels	32.00
1/ e)	Reference books	258.00
2/ f)	Address labels (4 sets) Dun & Brad.	1,180.00
g)	Reservation card formatting/printing	125.00
h)	Various envelopes/franking & card stock	350.00
i)	Miscellaneous supplies for office	100.00
Total		\$4,840.00

1/ Updating existing reference books in LeRC Library and should not be considered solely an Inspection expense.

2/ Estimated.

At this juncture I do not anticipate any substantial expenses over and above those I have outlined. Please call me if you have any questions.


Arthur R. Wycoff, Jr.

GODMAN

May 11, 1973

Mr. Godman:

Cost estimate of purchases to be originated within EDD for the September 1973 Inspection:

Job 1. Hip joint simulator - Cost of the rig is against the appropriate task, so that no charge for equipment fabrication will be made against the Inspection. Mr. Swikert is including in his cost report the estimated cost of expendable materials that will be used during the show.

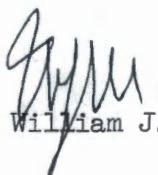
Job 2. Combustor rig in PSL-3,4 area.
Materials & fabrication, est. cost \$9,500

Job 3. STOL engine model - no procurements planned. .

Job 4. GASP model of forward section of Boeing 747.
No procurements planned.

Job 5. Miscellaneous work in M&S
Electrical equipment \$200

No other expenditures are planned.


William J. McCann

May 11, 1973

Mr. Godman:

Cost estimate of purchases to be originated within EDD for the September 1973 Inspection:

Job 1. Hip joint simulator - Cost of the rig is against the appropriate task, so that no charge for equipment fabrication will be made against the Inspection. Mr. Swikert is including in his cost report the estimated cost of expendable materials that will be used during the show.

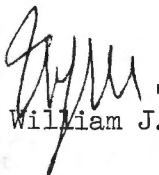
Job 2. Combustor rig in PSL-3,4 area.
Materials & fabrication, est. cost \$9,500

Job 3. STOL engine model - no procurements planned.

Job 4. GASP model of forward section of Boeing 747.
No procurements planned.

Job 5. Miscellaneous work in M&S
Electrical equipment \$200

No other expenditures are planned.


William J. McCann



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

May 23, 1973

REPLY TO
ATTN OF:

1010

TO: Record

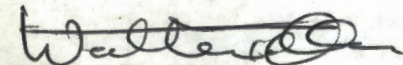
FROM: 1010/Director, Technology Utilization and Public Affairs

SUBJECT: Telephone call from RD-M/Edwin C. Kilgore

Responsive to a telephone call from RD-M/Edwin C. Kilgore, the manpower hours estimated to be needed for the 1973 Lewis Inspection were stipulated as 16,240 professional and 23,730 support for a total of 39,970 hours. Mr. Kilgore was advised that the May 14 letter had costs based on \$10 per hour professional and \$5 per hour support. We discussed the difference between these per hour costs and a \$40,000 per man year that Mr. Kilgore thought was more realistic.

To Mr. Kilgore's concern that \$356,250 looks large to some people, for example, John Donnelly, Assistant Administrator for Public Affairs, we pointed out that normally Mr. Donnelly's Public Affairs function would use about 20,000 total manhours at Lewis, and the Inspection provides an increment of about 40,000 manhours by diverting time from other activities to the Inspection.

in one year


Walter T. Olson

cc:
Inspection Files

May 14, 1973

1010

TO: RD/Deputy Associate Administrator-Management
FROM: 1010/Chairman, 1973 Lewis Inspection
SUBJECT: Cost estimates for review "Technology in the Service of Man"

Per your recent request to Bruce T. Lundin, the following is a cost estimate for the 1973 Lewis Inspection, "Technology in the Service of Man", to be held September 19-21 for invited guests and September 22-23 for general public:

<u>Direct Manpower Costs, \$</u>	<u>Prof.</u>	<u>Support</u>	<u>Total</u>
Administration	5,700	4,800	10,500
Invitations & Protocol	5,900	1,150	7,050
Publicity	4,200	600	4,800
Logistics	13,800	15,700	29,500
Technical Exhibits (10 Stops)	96,800	84,400	181,200
Inspection Days	36,000	12,000	48,000
			<u>281,050</u>
<u>Materials, Supplies and Contracts \$</u>			<u>75,200</u>
			<u>\$356,250</u>

Although the total may look large, these estimates are in line with previous inspections. Further, all but \$75,200 is in-house salaries and simply represents a diversion of about 1 percent of the total Center effort toward this affair between now and September. Part of this effort is useful for other than just the inspection and would need to be done in any case, for example, clean-up and painting, organization of results, preparation of visual aids for briefings, etc.

We are counting on some support in the form of exhibits sent here from each of the other NASA Centers. I would think that this support would be well within the scope of the Public Affairs function of each of the other Centers.

Walter T. Olson

cc:
0100/Director 1003/Edward A. Richley Inspection Files
1010:WTOlson:kmb 5-14-73



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

REPLY TO
ATTN OF:

1003

May 11, 1973

MEMORANDUM

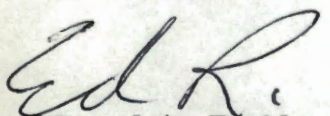
TO: General Chairman, 1973 Lewis Inspection

FROM: Vice Chairman, 1973 Lewis Inspection

SUBJECT: Inspection Cost Estimates

Per your request, we have developed the following cost estimate for the 1973 Lewis Inspection to be held September 19-21 (for invited guests) and September 22-23 (for the general public).

<u>Direct Manpower Costs</u>	<u>Prof.</u>	<u>Support</u>	<u>Total</u>
Administration	5,700	4,800	10,500
Invitations & Protocol	5,900	1,150	7,050
Publicity	4,200	600	4,800
Logistics	13,800	15,700	29,500
Technical Exhibits (10 Stops)	96,800	84,400	181,200
Inspection Days	36,000	12,000	48,000
			<u>281,050</u>
<u>Materials, Supplies and Contracts</u>			<u>75,200</u>
			<u>356,250</u>


Edward A. Richley

cc:
Inspection Files

See Ted

Bruce,

In view of Lou's request regarding the planned budget for the Annual Inspection at Lewis, I will need planning numbers when these can be developed. We should include total cost as best we can estimate it including:

- Manpower cost
- Materials
- Contract
- Etc.

Would May 15th be a reasonable date for a first estimate?

OKing

Mr. Lundin -

Ed understands that you want
some words to go with this ---

this is just for your approval
of the numbers

Anne



from the desk of ...

BRUCE LUNDIN

Ed--
Send to Helge under a brief
transmitted letter indicating:

- It seems a bit high, but I am
informed this is about what previous
negotiations saw.
- Viewed another way, this is about
1% of the center effort between
now and then.
- Most of cost is in-house salaries
& expenses, so it's just this instead
of some thing else.
- Part of this effort useful to us in
any event - e.g. cleaning up ships,
receiving and organizing results, etc.

B.

Bruce :

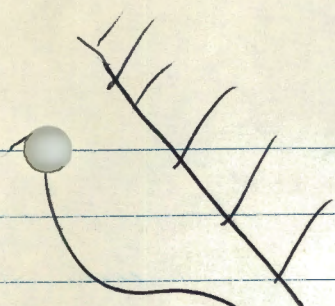
Re: Kilgore's request for Inspin.
costs by 15 May —

How does this look?

(~1% of Center for here to Sept. ?)

Do you want it sent to Kilgore?
Or — what next?

— ed



~~45~~ 5: 30da
~~8~~ 360
~~3~~ 360
~~8~~ 120
~~15~~

36

16 yrs

Letter

seemed high
 but reasonable
 17% center effort &
 from here to left
 much of the effort
 not completely what
 apart from what
 we should be doing
 anyway

Estimate

 Contracts
 &
 Materials



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

REPLY TO
ATTN OF:

1003

May 7, 1973

MEMORANDUM

TO: Distribution

FROM: Vice Chairman, 1973 Lewis Inspection

SUBJECT: Cost Information

The Center has been requested by NASA Headquarters to provide a cost estimate for the 1973 Lewis Inspection on or before May 15.

The purpose of this memorandum is to request from each of you an estimate of any expended or anticipated expenditures for materials, supplies and/or contracts and the like. Do not include any in-house labor estimates.

Please submit your itemized list to the writer no later than Friday, May 11.

Your help in this matter will be greatly appreciated. Please call me at PAX 3155 or 3254 if you have any questions regarding your estimates.

E. A. Richley
Edward A. Richley

Distribution:

E. W. Conrad	J. Powell
R. E. Jones	W. T. Olson
R. W. Luidens	A. Wycoff
H. Douglass	R. Godman
E. Otto	D. Prok
L. Rosenblum	D. Thoennes
J. Freche	Inspection Files
R. L. Johnson	
J. Modarelli	
H. Mark	

Estimates for 1973 Inspection - *Rehly & Co.*

	<u>Manhours</u>	
	<u>Professional</u>	<u>Support</u>
Administration	570	960
Invitations & Protocol	590	230
Publicity	420	120
Logistics	1380	3140
Technical Exhibits (10 Stops)	9680	16880
	<u>12640</u>	<u>21330</u>
	<u>x \$10</u>	<u>x \$5</u>
<u>Subtotal (Prelim. to Inspection)</u>	126400	106650
Inspection Days	3600	2400
	<u>\$10</u>	<u>\$ 5</u>
	<u>36000</u>	<u>12000</u>
<u>Total</u>	162400	118650
<u>GRAND TOTAL</u>	281K (Plus Materials, Models, etc.)	

Ar
to handin, 5/7/73

WCO Estimate - Inspection

5/7/73
OLSON

40 hrs/wk
Share fee

Manhattan

Preliminary

P

S

Gen Mgt. (Olson, Riddle, Noel
Harris, Wyoff, Pavek)

28 wks @ 2 dg/wk x 6 = 336 Man days

2700

Tech Exhibits (10)

Planning (2 wks)

Design (1 prep + 3 setup
10 weeks)

Fabric (1 prep + 4 setup
12 weeks)

800

4000

12 000

4800

19 200

12,300

31 200

x \$ 10

x \$ 5

\$ 123 000

156,000

Preprint & Presentation

Speakers (6 x 9 stops x 5 days)

2150

Stop Aides (3 x 10 stops x 4 days)

960

Tour Aides (4 x 10 stops x 4 days)

1280

Reg & Assist (65 x 3 days)

1560

3110

2840

x \$ 10

x \$ 5

\$ 31,100

\$ 14,200

\$ 154,100

170,200

154,100

\$ 324,300

3-15

To: Elaine

1232

October 18, 1973

MEMORANDUM

TO: 1010/Director of Public Affairs
FROM: 1232/Reports & Property Accounting Section
SUBJECT: Total Accumulated Costs for Lewis Inspection

The revised total cumulative costs to date as of September 30, 1973, all fund sources against SJO No. X012533 for the Lewis Inspection are as follows:

	<u>LABOR (\$)</u>	<u>PURCHASES (\$)</u>	<u>TOTAL (\$)</u>
Balance @ 6-30-73	105,695	10,710	116,405
Current Year Costs FY73		31,077	31,077
Current Year Costs FY74 Fund Source 11		18,243	18,243
Current Year Costs FY74	392,696	5,087	397,783
Total	498,391	65,117	563,508

George L. Barber

cc:

✓ 1003/E. A. Richley
1200/A. J. Hass
1232/File

1232/Marshall:jyb:10-18-73



Elaine Quigley
File

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
21000 BROOKPARK ROAD
CLEVELAND, OHIO 44135

TELEPHONE: 216-433-4000 TWX: 216-433-4766 TELEX: 098-5218

IN REPLY REFER TO: 1232

APRIL 12, 1973

MEMORANDUM

TO: 1010/DIRECTOR OF PUBLIC AFFAIRS
FROM: 1232/REPORTS & PROPERTY ACCT'G. SECTION
SUBJECT: ACCUMULATED COSTS FOR LEWIS INSPECTION

THE TOTAL COSTS TO DATE AS OF MARCH 31, 1973 AGAINST SJO No. X012533
FOR THE LEWIS INSPECTION ARE AS FOLLOWS:

<u>LABOR</u>	<u>PURCHASES</u>	<u>STOCK WITHDRAWALS</u>	<u>TOTAL</u>
\$73.20			\$73.20

John W. Boggs
JOHN W. BOGGS

CC:
A. J. HESS
FILE



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

LEWIS RESEARCH CENTER

21000 BROOKPARK ROAD

CLEVELAND, OHIO 44135

TELEPHONE: 216-433-4000

TWX: 216-433-4766

TELEX: 098-5218

IN REPLY REFER TO: 1232

MAY 14, 1973

MEMORANDUM

TO: 1010/DIRECTOR OF PUBLIC AFFAIRS
FROM: 1232/REPORTS & PROPERTY ACCT'G. SECTION
SUBJECT: ACCUMULATED COSTS FOR LEWIS INSPECTION

THE TOTAL COSTS TO DATE AS OF APRIL 30, 1973 AGAINST SJO No. X012533
FOR THE LEWIS INSPECTION ARE AS FOLLOWS:

<u>LABOR</u>	<u>PURCHASES</u>	<u>STOCK WITHDRAWALS</u>	<u>TOTAL</u>
\$16,010.93	\$579.26		\$16,590.19

John W. Boggs
JOHN W. BOGGS

CC:
A. J. HESS
FILE



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

REPLY TO
ATTN OF: 1232

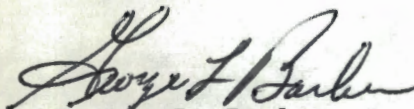
August 1, 1973

MEMORANDUM

TO: 1010/Director of Public Affairs
FROM: 1232/Reports & Property Acct'g Section
SUBJECT: Accumulated Costs for Lewis Inspection

The total costs to date as of June 30, 1973 against SJO No. X012533 for the Lewis Inspection are as follows:

<u>LABOR</u>	<u>PURCHASES</u>	<u>STOCK WITHDRAWALS</u>	<u>TOTAL</u>
\$105,694.75	\$10,709.81		\$116,404.56


George L. Barber



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO 44135

REPLY TO
ATTN OF: 1232

August 30, 1973

MEMORANDUM

TO: 1010/Director of Public Affairs
FROM: 1232/Reports & Property Accounting Section
SUBJECT: Accumulated Costs for Lewis Inspection

The total costs to date as of July 31, 1973 against SJO No. X012533 for the Lewis Inspection are as follows:

<u>LABOR</u>	<u>PURCHASES</u>	<u>STOCK WITHDRAWALS</u>	<u>TOTAL</u>
\$105,694.75	\$12,474.84		\$118,169.59

Marge Marshall
for
George L. Barber

cc:
1003/E. A. Richley
1200/A. J. Hess
1232/File

1232/MMarshall:blh:8-30-73

1232

October 12, 1973

MEMORANDUM

TO: 1010/Director of Public Affairs
FROM: 1232/Reports & Property Accounting Section
SUBJECT: Accumulated Costs for Lewis Inspection

The total costs to date as of September 30, 1973, against SJO No. X012533 for the Lewis Inspection are as follows:

<u>LABOR</u>	<u>PURCHASES</u>	<u>STOCK WITHDRAWALS</u>	<u>TOTAL</u>
\$392,695.91	\$5,086.64		\$397,782.55

George L. Barber

cc:

✓ 1003/E. A. Richley
1200/A. J. Hess
1232/File

1232/Marshall:jyb:10-12-73

*
*

7 2

2 1 2 9 0
6 3 0 0
4 0 5 0
1 0 7 6 0 0
1 6 1 4 0 0
5 9 8 5
2 0 1 4 8
2 5 2 8 4
3 3 0 1 2
5 6 5 8 0
4 6 0 0
1 4 4 0 0 0
3 2 0 0
1 4 3 6 4
4 2 0 0
1 2 6 0 0
7 0 1 6
7 8 1 0
1 0 1 2
1 3 3 0
4 0 0
2 1 3 0 0
3 6 0 0
1 8 0 0 0
1 8 8 8 2
7 0 4 7
7 0 4 7
1 8 9 1 0
2 3 1 0
6 8 0 0 0
1 2 0 0 0
1 2 0 0 0
1 2 0 0 0
1 6 0 0
4 7 5 0
3 7 8 0
3 7 8 0
3 4 7 9
5 5 0 0
5 7 5 8 0
3 4 5 2 0
1 5 1 2 0
1 8 9 1 2
2 2 9 3 5
1 8 8 0 0
1 6 0 4 0
2 6 9 0
1 3 0 0 0
8 2 8 0
1 3 1 0 0
3 0 4 0 0
6 0 0

5 3 0 0
2 8 5 0
3 8 5 2 2
3 9 9 6 4
1 7 4 0 0 0
1 5 7 5 0
2 3 9 5 0 0
8 8 8
6 9 1
7 0 3
9 9 6
8 6 7
1 9 4 0
8 0 6
1 3 4 0
7 5 9
1 2 3 7
1 1 0 0
1 0 0
1 5 0
1 0 1 4
1 8 5
1 7 5
4 6 9
9 4 1
9 4 1
4 6 9
1 0 8 6
3 6 9 7 6
3 3 6 0 0
6 0 0 0 0
1 0 0 0 0
7 5 0 0
3 1 5 0 0
1 2 6 0
4 4 4 0
4 4 4 0
3 1 4 0 0
8 7 2 0
2 9 5 0 0
8 4 2 4
2 2 9 4 2
1 2 0 0
1 8 0 0
2 5 0 0
1 2 7 2 0
2 2 0 5 0
2 6 0 0 0
1 4 2 0 0
1 0 0 0
1 4 7 6
4 3 2
5 5 0 0
4 5 3 5
4 8 9 0
4 6 2 4 8
9 6 8 0
4 5 0 0 0

5 5 1
4 4 4 0
1 5 2 0
1 4 3 6
1 7 0 4
7 1 7
1 7 2 0
4 4 4 0
2 0 0 0
2 4 2 0
2 4 5 0
9 8 0
5 3 2 4
5 7 5 0
7 4 8 0
5 7 5
5 2 5
1 2 6 0
1 6 8 0
4 8 6 0 0
2 8 8 0 0
1 0 0 0
4 2 7 5
1 8 6 0
1 0 6 8
1 4 8 8
1 1 1 6
1 3 6 8
1 4 1 6
9 3 6 0
1 8 6 6 2 8
2 0 0 0 0 0
2 2 5 0 0 0
1 4 6 4 8
5 7 5 2
4 7 5 2
1 4 5 0 0
9 3 0
1 8 0 0
2 0 0 0
1 3 6 4 0 0
2 0 9 0 0 0
7 0 6 5 0
7 5 0 0 0
3 5 0 0 0
6 5 9 2 0
1 5 0 9 6
1 3 3 3 2
1 6 7 6 2
7 2 7 5
1 0 4 0
5 3 2 4
3 6 5 4 0
4 8 2 0 0
2 1 6 0
3 0 0 0
2 4 3 7 6
2 4 0 0
3 1 3 2
4 5 0 0 0

1 3 5 3 0

3 9 2 0

1 7 8

1 7 8

1 7 8

1 7 8

1 7 8

1 7 8

1 7 8

1 7 8

1 7 8

1 7 8

3 7 3 4 0 6 1 *

										OBLIGATING			OBLIGATING			PURCHASE REQUEST							
P/R	P/R	PROJ	RTOP	PMF	OBJ	JOB	ORD	COMMITMENTS	ORDER	DRAW	P/O	OBLIGATION	ORDER	DRAW	P/O	OBLIG	CYC	P	BUY				
NUMBER	L/I	SUBPR	G/L	YAS	CLS	NUMBER	DIV	COMMITMENTS	ADJUSTED	AMT	NUMBER	AMD	L/I	AMOUNT	NUMBER	AMD	L/I	AMOUNT	BAT	C	DATE	OFF	P
A308258	01	03904000053130312130X01253310						10.00		.72	40496C		02	.72					11J	C	06043	04	L
A308261	01	03904000053130312130X01253310						175.00		224.22	39857C		01	212.90					21P	C	05213	04	L
A308263	01	03904000053130312130X01253310						81.00		63.00	40603C		01	63.00					31G	C	06263	04	L
A402168	01	03904000053130302340X01253310						1614.00		31.50	36425C		01	40.50					11N	C	04103	06	L
A402168	02	03904000053130302340X01253310						1076.00		1076.00	36418C		02	1076.00					11N	C	04103	06	L
A402168	03	03904000053130302340X01253310						51.00		1614.00	36418C		01	1614.00					11N	C	04103	06	L
A402168	04	03904000053130302340X01253310						70.00		59.85	36419C		01	59.85					11N	C	04103	06	L
A402168	05	03904000053130302340X01253310*						300.00		300.00									11N		04103	06	L
A402168	05	P/R DEL					*	300.00-		300.00-				-					-633		06293	06	L
A405621	01	03904000053130312140X01253319						201.48		201.48	38298C		01	201.48					12D	C	04103	04	L
A405621	02	03904000053130312140X01253319						206.16		252.84	38298C		02	252.84					12D	C	04103	04	L
A405621	03	03904000053130312140X01253319						313.80		330.12	38298C		03	330.12					12D	C	04103	04	L
A405621	04	03904000053130312140X01253319						536.88		565.80	38298C		04	565.80					12D	C	04103	04	L
A431693	01	03902000053130312070X01253371						46.00		50.04	40067C		01	46.00					12V	C	05093	04	L
A487627	01	03902000053130302890X01253385						1320.00		1440.00	41145C		01	1440.00					31R	C	06263	01	L
A494521	01	03904000053130312110X01253310						32.00		32.00	308600		51	32.00					11P	C	04103	04	L
A494522	01	03904000053130312130X01253310						143.64		143.64	39725C		01	143.64					21H	C	05213	08	L
A494522	02	03904000053130312130X01253310						54.00		42.00	39733C		01	42.00					21H	C	05213	08	L
A494524	01	03904000053130312130X01253310						126.00		126.00	41104C		01	126.00					41A	C	06273	04	L
A498864	01	03902000053130312090X01253326						70.16		71.26	40161C		01	70.16					11U	C	06043	04	L
A510070	01	03902000053130312110X01253374						77.00		78.10	28042C	019	01	78.10					21Q	C	05213	04	L
A510073	01	03902000053130312090X01253374						10.12		10.12	40118C		01	10.12					11U	C	06043	04	L
A523398	01	039020000531303120P0X01253374						13.50		13.30	31690C		51	13.30					31F	C	06263	04	L
A523398	02	039020000531303120P0X01253374						4.00		4.00	316900		52	4.00					31F	C	06263	04	L
A525006	01	03902000053130312080X01253395*						36.00		36.00									31L		06263	04	L
A525006	01	P/R DEL					*	36.00-		36.00-				-					-633		06293	04	L
A525006	02	03902000053130312080X01253395*						42.00		42.00									31L		06263	04	L
A525006	02	P/R DEL					*	42.00-		42.00-				-					-633		06293	04	L
A528835	01	03902000053130312150X01253385						213.00		213.00	40237C		01	213.00					21B	C	06113	04	L
A528835	02	03902000053130312150X01253385						36.00		36.00	40237C		02	36.00					21B	C	06113	04	L
A528836	01	03902000053130312090X01253385						180.00		180.00	40236C		01	180.00					21A	C	06113	04	L
A528837	01	03902000053130312090X01253385						192.00		188.82	40621C		01	188.82					31G	C	06263	04	L
A529114	01	03902000053130315550X01253375*						499.00		499.00									31R		06263	04	L

P/R NUMBER	P/R L/I	PROJ SUBPR	RTOP G/L	PMF YAS	OBJ CLS	JOB NUMBER	ORD DIV	COMMITMENTS		OBLIGATING ORDER DRAW P/O		OBLIGATING ORDER DRAW P/O		PURCHASE REQUEST CYC P		BUY L	
								AMT	ADJUSTED	NUMBER	AMD	L/I	AMOUNT	NUMBER	AMD	L/I	AMOUNT
A529114	01	P/R DEL					*	499.00-	499.00-				-	-633	06293	04	L
A529114	02	03902000053130315550X01253375*					*	237.00	237.00				-	31R	06263	04	L
A529114	02	P/R DEL					*	237.00-	237.00-				-	-633	06293	04	L
A529114	03	03902000053130315550X01253375*					*	425.00	425.00				-	31R	06263	04	L
A529114	03	P/R DEL					*	425.00-	425.00-				-	-633	06293	04	L
A529114	04	03902000053130312160X01253375*					*	24.00	24.00				-	31R	06263	04	L
A529114	04	P/R DEL					*	24.00-	24.00-				-	-633	06293	04	L
A529187	01	03902000053130312160X01253375*					*	144.00	144.00				-	41A	06273	04	L
A529187	01	P/R DEL					*	144.00-	144.00-				-	-633	06293	04	L
A529187	02	03902000053130315520X01253375*					*	440.00	440.00				-	41A	06273	04	L
A529187	02	P/R DEL					*	440.00-	440.00-				-	-633	06293	04	L
A529187	03	03902000053130312160X01253375*					*	52.00	52.00				-	41A	06273	04	L
A529187	03	P/R DEL					*	52.00-	52.00-				-	-633	06293	04	L
A529187	04	03902000053130312160X01253375*					*	38.00	38.00				-	41A	06273	04	L
A529187	04	P/R DEL					*	38.00-	38.00-				-	-633	06293	04	L
A536010	01	03902000053130312070X01253325						80.00	70.47	28058C	054	01	70.47	12B C	05093	04	L
A536010	02	03902000053130312070X01253325						80.00	70.47	28058C	054	02	70.47	12B C	05093	04	L
A536015	01	03902000053130312160X01253325						310.00	189.10	28025C	064	01	189.10	12F C	05093	04	L
A536016	01	03904000053130312110X01253325						22.00	23.10	40687C		01	23.10	11U C	06043	04	L
A536017	01	03902000053130302890X01253325						820.00	680.00	41147C		01	680.00	31B C	06263	01	L
A539019	68	03903000053130312130X01253319*					*			36582C		01	120.00	21U P	04203	02	L
A539019	68	P/R ADJ					*	-	-	-36582C		01	120.00-	-633 P	06293	02	L
A539019	68	03903000053130312130X01253319						120.00	120.00	36582C		01	120.00	633 P	04203	02	L
A539030	15	03903000053130312110X01253310							1669.75	36831C		01	16.00	36829C	01	47.50	160 C 04103 02 L
A539560	01	03902000053130312040X01253375						35.00	37.80	40206C		01	37.80	11X C	06043	04	L
A539560	02	03902000053130312040X01253375						39.00	37.80	40206C		02	37.80	11X C	06043	04	L
A539560	03	03902000053130312040X01253375						39.00	34.79	40207C		01	34.79	11X C	06043	04	L
A539560	04	03902000053130312040X01253375						55.00	55.00	40207C		02	55.00	11X C	06043	04	L
A539564	01	03902000053130312160X01253375						720.00	575.80	41022C		01	575.80	31C C	06263	04	L
A539564	02	03902000053130312160X01253375						428.00	345.20	41022C		02	345.20	31C C	06263	04	L
A539564	03	03902000053130312160X01253375						192.00	151.20	41022C		03	151.20	31C C	06263	04	L
A539564	04	03902000053130312160X01253375						234.00	189.12	41022C		04	189.12	31C C	06263	04	L
A539565	01	03902000053130315550X01253375						260.00	229.35	41022C		05	229.35	31C C	06263	04	L
A539565	02	03902000053130315550X01253375						220.00	188.00	41022C		06	188.00	31C C	06263	04	L
A539565	03	03902000053130315550X01253375						180.00	160.40	41022C		07	160.40	31C C	06263	04	L
A539566	01	03902000053130312160X01253375						27.00	26.90	40516C		01	26.90	31C C	06263	04	L
A539566	02	03902000053130312160X01253375						130.00	130.00	40516C		02	130.00	31C C	06263	04	L
A540048	01	03902000053130312160X01253385						84.00	82.80	40185C		01	82.80	21B C	05213	04	L
A540048	02	03902000053130312160X01253385						132.00	131.00	40185C		02	131.00	21B C	05213	04	L

P/R		P/R	PROJ	RTOP	PMF	OBJ	JOB	ORD	COMMITMENTS		OBLIGATING		OBLIGATION		OBLIGATION		PURCHASE REQUEST							
NUMBER	L/I		SUBPR	G/L	YAS	CLS	NUMBER	DIV	COMMITMENTS	ADJUSTED	AMT	NUMBER	AMD	L/I	AMOUNT	NUMBER	AMD	L/I	AMOUNT	CYC	P	BUY	L	
																				BAT	C	DATE	OFF	P
A540048	03	03902000053130312160X01253385							304.00		304.00	40185C		03	304.00					21B	C	05213	04	L
A540048	04	03902000053130312160X01253385							6.00		6.00	40185C		04	6.00					21B	C	05213	04	L
A540053	01	03902000053130312150X01253385							51.00		53.00	40183C		01	53.00					11X	C	06043	04	L
A540054	01	03902000053130312060X01253385							30.00		29.01	40093C		01	28.50					11R	C	06043	04	L
A540057	01	03902000053130312160X01253385							283.00		385.22	40271C		01	385.22					11Z	C	06043	04	L
A540057	02	03902000053130312160X01253385							298.00		399.64	40271C		02	399.64					11Z	C	06043	04	L
A540483	01	03902000053130302890X01253385							1800.00		1740.00	41046C		01	1740.00					21Q	C	05213	04	L
A540484	01	03902000053130312150X01253385							210.00		585.50	39920C		01	157.50					11G	C	06043	04	L
A540485	01	03902000053130302890X01253385							2400.00		2395.00	41144C		01	2395.00					11Z	C	06043	01	L
A543938	01	03902000053130312090X01253326							8.88		8.88	40142C		01	8.88					11X	C	06043	04	L
A543938	02	03902000053130312090X01253326							6.91		6.91	40142C		02	6.91					11X	C	06043	04	L
A543938	03	03902000053130312090X01253326							6.23		7.03	40142C		03	7.03					11X	C	06043	04	L
A543938	04	03902000053130312090X01253326							4.98		9.96	40142C		04	9.96					11X	C	06043	04	L
A543938	05	03902000053130312090X01253326							8.67		8.67	40142C		05	8.67					11X	C	06043	04	L
A543938	06	03902000053130312090X01253326							6.32		19.40	40142C		06	19.40					11X	C	06043	04	L
A543938	07	03902000053130312090X01253326							8.06		8.06	40142C		07	8.06					11X	C	06043	04	L
A543938	08	03902000053130312090X01253326							13.40		13.40	40142C		08	13.40					11X	C	06043	04	L
A543938	09	03902000053130312090X01253326							7.59		7.59	40142C		09	7.59					11X	C	06043	04	L
A543938	10	03902000053130312090X01253326							12.37		12.37	40142C		10	12.37					11X	C	06043	04	L
A543938	11	03902000053130312090X01253326							11.00		11.00	40142C		11	11.00					11X	C	06043	04	L
A543938	12	03902000053130312090X01253326							1.00		1.00	40142C		12	1.00					11X	C	06043	04	L
A543938	13	03902000053130312090X01253326							1.50		1.50	40142C		13	1.50					11X	C	06043	04	L
A543938	14	03902000053130312090X01253326							10.14		10.14	40142C		14	10.14					11X	C	06043	04	L
A543938	15	03902000053130312090X01253326							1.85		1.85	40142C		15	1.85					11X	C	06043	04	L
A543938	16	03902000053130312090X01253326							1.75		1.75	40142C		16	1.75					11X	C	06043	04	L
A543938	17	03902000053130312090X01253326							4.69		4.69	40142C		17	4.69					11X	C	06043	04	L
A543938	18	03902000053130312090X01253326							9.41		9.41	40142C		18	9.41					11X	C	06043	04	L
A543938	19	03902000053130312090X01253326							9.41		9.41	40142C		19	9.41					11X	C	06043	04	L
A543938	20	03902000053130312090X01253326							4.69		4.69	40142C		20	4.69					11X	C	06043	04	L
A543940	01	03902000053130302890X01253326*							200.00		200.00									21H		06113	01	L
A543940	01	P/R DEL						*	200.00-		200.00-									-633		06293	01	L
A546374	01	03902000053130312060X01253326							12.00		10.86	41781C		01	10.86					41C	C	06273	04	L
A546606	01	03902000053130312020X01253326							310.00		369.76	39966C		01	369.76					11G	C	06043	04	L
A546608	01	03902000053130312100X01253326							360.00		336.00	40517C		01	336.00					11X	C	06043	04	L
A546615	01	03902000053130312110X01253326*							300.00		300.00									31S		06263	04	L
A546615	01	P/R DEL						*	300.00-		300.00-									-633		06293	04	L
A546616	01	03902000053130312020X01253326*							369.76		369.76									41A		06273	04	L
A546616	01	P/R DEL						*	369.76-		369.76-									-633		06293	04	L

										OBLIGATING		OBLIGATING		PURCHASE REQUEST											
P/R	P/R	PROJ	RTOP	PMF	OBJ	JOB	ORD	COMMITMENTS	ORDER	DRAW	P/O	OBLIGATION	ORDER	DRAW	P/O	OBLIG	CYC	P	BUY	L					
NUMBER	L/I	SUBPR	G/L	YAS	CLS	NUMBER	DIV	COMMITMENTS	ADJUSTED	AMT	NUMBER	AMD	L/I	AMOUNT	NUMBER	AMD	L/I	AMOUNT	BAT	C	DATE	OFF	P		
A546629	01	03902000053130312150X01253326						750.00		600.00	40832C		02	600.00							31B	C	06263	04	L
A546629	02	03902000053130312150X01253326						100.00		100.00	40832C		03	100.00							31B	C	06263	04	L
A546629	03	03902000053130312150X01253326						75.00		75.00	40832C		04	75.00							31B	C	06263	04	L
A546629	04	03902000053130312150X01253326						315.00		315.00	40832C		05	315.00							31B	C	06263	04	L
A547776	01	03902000053130312090X01253325						60.00		13.28	37732C		01	12.60							21P	C	04203	04	L
A547777	01	03902000053130312040X01253325						44.40		44.40	37828C		01	44.40							11B	C	05093	04	L
A547777	02	03902000053130312040X01253325						44.40		44.40	37828C		02	44.40							11B	C	05093	04	L
A547779	01	03902000053130312160X01253325						300.00		314.00	37829C		01	314.00							11F	C	05093	04	L
A548132	01	03902000053130312100X01253326						320.00		87.20	38296C		01	87.20							12J	C	04103	04	L
A548132	02	03902000053130312100X01253326*						320.00		320.00											56Q		06283	04	L
A548132	02	P/R DEL					*	320.00-		320.00-											-633		06293	04	L
A548143	01	03904000053130312160X01253326						325.00		295.00	40604C		01	295.00							11T	C	06043	04	L
A548841	01	03904000053130312130X01253319						84.70		86.24	37523C		01	84.24							12J	C	04103	04	L
A551571	01	03902000053130312160X01253326						241.50		229.42	40263C		01	229.42							21M	C	05213	04	L
A551573	01	03902000053130312040X01253326						15.00		12.00	40026C		01	12.00							21M	C	05213	04	L
A551573	02	03902000053130312040X01253326						20.00		18.00	40026C		02	18.00							21M	C	05213	04	L
A551573	03	03902000053130312040X01253326						25.00		25.00	40026C		03	25.00							21M	C	05213	04	L
A551574	01	03902000053130312040X01253326						134.00		127.20	40928C		01	127.20							31H	C	06263	04	L
A551847	01	03902000053130315520X01253355*						590.00		590.00											21M		05213	04	L
A551847	01	P/R DEL					*	590.00-		590.00-											-633		06293	04	L
A551847	02	03902000053130315520X01253355*						70.00		70.00											21M		05213	04	L
A551847	02	P/R DEL					*	70.00-		70.00-											-633		06293	04	L
A551868	01	03902000053130302890X01253355						180.00		218.29	38967C		01	220.50							12F	C	04103	01	L
A551873	01	03902000053130302890X01253355						300.00		257.40	38990C		01	260.00							21B	C	04203	01	L
A551889	01	03902000053130312100X01253355						120.00		142.00	40449C		01	142.00							11U	C	06043	04	L
A551891	01	03902000053130312060X01253355						7.80		10.00	40599C		06	10.00							11U	C	06043	04	L
A552007	01	03902000053130312060X01253385						18.00		14.57	28019C	091	01	14.76							21R	C	04203	04	L
A552007	02	03902000053130312060X01253385						2.50		4.32	28019C	091	02	4.32							21R	C	04203	04	L
A552011	01	03902000053130312060X01253385						60.00		55.52	37486C		01	55.00							12P	C	04103	04	L
A552011	02	03902000053130312060X01253385						50.00		44.40	28004C	041	02	45.35							12P	C	04103	04	L
A552011	03	03902000053130312060X01253385						55.00		48.90	28004C	041	03	48.90							12P	C	04103	04	L
A554726	01	03902000053130312150X01253325						480.00		462.48	39996C		01	462.48							11J	C	06043	04	L
A554727	01	03902000053130312150X01253325						186.30		95.25	40004C		01	96.80							11J	C	06043	04	L

P/R		P/R PROJ RTOP		PMF OBJ JOB ORC		COMMITMENTS		OBLIGATING		OBLIGATING		PURCHASE REQUEST	
NUMBER	L/I	SUBPR	G/L	YAS	CLS	NUMBER	DIV	COMMITMENTS	ADJUSTED AMT	NUMBER	AMD L/I	AMOUNT	CYC P
													BUY L
													BAT C DATE OFF P
A554727	02	03902000053130312150X01253325				10.60		5.51	40004C	02		5.51	11J C 06043 04 L
A554727	03	03902000053130312150X01253325				85.45		42.15	40004C	03		44.40	11J C 06043 04 L
A554727	04	03902000053130312150X01253325				29.24		15.20	40004C	04		15.20	11J C 06043 04 L
A554727	05	03902000053130312150X01253325				27.62		14.36	40004C	05		14.36	11J C 06043 04 L
A554727	06	03902000053130312150X01253325				90.00		17.04	40004C	06		17.04	11J C 06043 04 L
A554727	07	03902000053130312150X01253325				13.80		7.17	40004C	07		7.17	11J C 06043 04 L
A554727	08	03902000053130312150X01253325				33.10		17.20	40004C	08		17.20	11J C 06043 04 L
A555091	01	03902000053130312040X01253325				44.40		44.40	40194C	01		44.40	11X C 06043 04 L
A560551	01	03902000053130312080X01253325				6.00		20.00	37938C	01		20.00	11H C 05093 04 L
A562803	01	03902000053130302890X01253355				2300.00		2420.00	41246C	01		2420.00	31R C 06263 01 L
A562804	01	03902000053130302890X01253355				2000.00		2450.00	41251C	01		2450.00	41A C 06273 01 L
A562808	01	03902000053130312030X01253355				9.00		9.80	41777C	02		9.80	41A C 06273 04 L
A562809	01	03904000053130312080X01253355				53.24		53.24	41789C	01		53.24	41A C 06273 04 L
A563106	01	03902000053130312120X01253385*				212.40		212.40					21H 06113 04 L
A563106	01	P/R DEL				212.40-		212.40-					-633 06293 04 L
A563183	01	03902000053130312040X01253385				57.50		57.50	40927C	01		57.50	31F C 06263 04 L
A563183	02	03902000053130312040X01253385				71.50		74.80	40927C	02		74.80	31F C 06263 04 L
A563183	03	03902000053130312040X01253385				5.00		5.75	40927C	03		5.75	31F C 06263 04 L
A563183	04	03902000053130312040X01253385				5.00		5.25	40927C	04		5.25	31F C 06263 04 L
A563183	05	03902000053130312040X01253385				12.00		12.60	40927C	05		12.60	31F C 06263 04 L
A563183	06	03902000053130312040X01253385				17.00		16.80	40927C	06		16.80	31F C 06263 04 L
A563212	01	03902000053130312160X01253385				465.00		486.00	40964C	01		486.00	31R C 06263 04 L
A563213	01	03902000053130312040X01253385				288.00		288.00	41004C	01		288.00	31S C 06263 04 L
A563215	01	03902000053130312100X01253385				10.00		10.00	41048C	01		10.00	31Y C 06263 04 L
A565832	01	03902000053130312060X01253355				35.00		42.75	40211C	01		42.75	11U C 06043 04 L
A565832	02	03902000053130312060X01253355				60.00		85.18	40211C	02		80.50	11U C 06043 04 L
A565832	03	03902000053130312060X01253355				35.00		42.75	40211C	03		42.75	11U C 06043 04 L
A566488	01	03902000053130312040X01253375				18.00		16.87	39958C	01		18.60	11G C 06043 04 L
A566488	02	03902000053130312040X01253375				15.00		10.68	39958C	02		10.68	11G C 06043 04 L
A566488	03	03902000053130312040X01253375				24.00		14.88	39958C	03		14.88	11G C 06043 04 L
A566488	04	03902000053130312040X01253375				15.00		11.16	39958C	04		11.16	11G C 06043 04 L
A566488	05	03902000053130312040X01253375				18.00		13.68	39958C	05		13.68	11G C 06043 04 L
A566488	06	03902000053130312040X01253375				21.00		14.16	39958C	06		14.16	11G C 06043 04 L
A566488	07	03902000053130312040X01253375				120.00		93.60	39958C	07		93.60	11G C 06043 04 L
A569552	01	03903000053130312070X01253371				1866.28		1866.28	40712C	01		1866.28	31L C 06263 04 L
A569555	01	03902000053130312070X01253371*				150.00		150.00					41A 06273 04 L

P/R		P/R PROJ RTOP		PMF OBJ JOB ORC		COMMITMENTS		OBLIGATING		OBLIGATING		PURCHASE REQUEST											
NUMBER	L/I	SUBPR	G/L	YAS	CLS	NUMBER	DIV	COMMITMENTS	ADJUSTED	AMT	NUMBER	AMD	L/I	AMOUNT	NUMBER	AMD	L/I	AMOUNT	BAT	C	DATE	OFF	P
A569555	01	P/R	DEL			*		150.00-	150.00-					-				-633		06293	04	L	
A569556	01	03902000053130312070X01253371*				*		98.25	98.25					-				41A		06273	04	L	
A569556	01	P/R	DEL			*		98.25-	98.25-					-				-633		06293	04	L	
A569556	02	03902000053130312070X01253371*				*		196.50	196.50					-				41A		06273	04	L	
A569556	02	P/R	DEL			*		196.50-	196.50-					-				-633		06293	04	L	
A569561	01	03902000053130312090X01253371*				*		40.32	40.32					-				41A		06273	04	L	
A569561	01	P/R	DEL			*		40.32-	40.32-					-				-633		06293	04	L	
A569561	02	03902000053130312090X01253371*				*		6.00	6.00					-				41A		06273	04	L	
A569561	02	P/R	DEL			*		6.00-	6.00-					-				-633		06293	04	L	
A569564	01	03902000053130312070X01253371*				*		35.70	35.70					-				41A		06273	04	L	
A569564	01	P/R	DEL			*		35.70-	35.70-					-				-633		06293	04	L	
A569569	01	03902000053130312010X01253371*				*		393.60	393.60					-				41A		06273	04	L	
A569569	01	P/R	DEL			*		393.60-	393.60-					-				-633		06293	04	L	
A569572	01	03902000053130302890X01253371						2000.00	2000.00	41270C	01			2000.00				41E	C	06273	01	L	
A569576	01	03902000053130302890X01253371*				*		2000.00	2000.00					-				41J		06273	01	L	
A569576	01	P/R	DEL			*		2000.00-	2000.00-					-				-633		06293	01	L	
A569585	01	03902000053130302890X01253371						2450.00	2250.00	41292C	01			2250.00				41E	C	06273	01	L	
A569593	01	03902000053130302890X01253371*				*		1470.00	1470.00					-				41J		06273	01	L	
A569593	01	P/R	DEL			*		1470.00-	1470.00-					-				-633		06293	01	L	
A569838	01	03902000053130312090X01253326						144.00	147.08	38158C	01			146.48				11Y	C	05093	04	L	
A569858	01	03902000053130312150X01253326						60.00	58.29	38283C	01			57.52				12N	C	05093	04	L	
A569858	02	03902000053130312150X01253326						60.00	47.52	38283C	02			47.52				12N	C	05093	04	L	
A569861	01	03902000053130302890X01253326						250.00	145.00	39116C	01			145.00				11W	C	06043	01	L	
A569863	01	03902000053130312150X01253326						12.00	9.30	28037C	035	01		9.30				12V	C	05093	04	L	
A569870	01	03902000053130302890X01253326*				*		390.00	390.00					-				41J		06273	01	L	
A569870	01	P/R	DEL			*		390.00-	390.00-					-				-633		06293	01	L	
A569880	01	03902000053130312060X01253326						18.00	18.00	38199C	01			18.00				12F	C	05093	04	L	
A569880	02	03902000053130312060X01253326						20.00	20.54	38199C	02			20.00				12F	C	05093	04	L	
A570332	01	03902000053130302890X01253355						1320.00	1364.00	41177C	01			1364.00				21E	C	06113	01	L	
A570333	01	03902000053130315520X01253355						2090.00	2090.00	40309C	01			2090.00				11Z	C	06043	04	L	
A570334	01	03902000053130312020X01253355						706.50	699.72	40195C	01			706.50				11Z	C	06043	04	L	
A570335	01	03902000053130302890X01253355						2200.00	750.00	41225C	01			750.00				31F	C	06263	01	L	
A570336	01	03902000053130302890X01253355						1400.00	350.00	41180C	01			350.00				31C	C	06263	01	L	

P/R NUMBER	P/R L/I	PROJ SUBPR	RTOP G/L	PMF YAS	OBJ CLS	JOB NUMBER	CRD DIV	COMMITMENTS	ADJUSTED	AMT	OBLIGATING		OBLIGATION	OBLIGATING		OBLIGATION	PURCHASE REQUEST	
											ORDER	DRAW	P/O	ORDER	DRAW	P/O	CYC	BUY
											NUMBER	AMD	L/I	NUMBER	AMD	L/I	BAT	DATE
																		OFF
A570337	01	03902000053130312030X01253355						659.20	659.20	40623C	01		659.20				31J	C 06263 04 L
A570345	01	03902000053130312160X01253355						150.96	150.96	40760C	01		150.96				31G	C 06263 04 L
A570346	01	03902000053130312160X01253355						137.04	133.32	40771C	01		133.32				31G	C 06263 04 L
A570346	02	03902000053130312160X01253355						167.62	167.62	40771C	02		167.62				31G	C 06263 04 L
A575556	01	03902000053130312040X01253385						73.00	72.75	40612C	01		72.75				31C	C 06263 04 L
A575807	01	03902000053130312150X01253355						10.40	10.44	37939C	01		10.40				11K	C 05093 04 L
A575832	01	03902000053130312110X01253355						50.00		37720C	01						21G	C 04203 04 L
A575842	01	03902000053130312130X01253355						50.16	53.24	39652C	01		53.24				12V	C 05093 04 L
A575854	01	03902000053130312150X01253355						365.00	365.40	40285C	01		365.40				11U	C 06043 04 L
A575858	01	03902000053130302890X01253355						1500.00	482.00	41187C	01		482.00				31C	C 06263 01 L
A575859	01	03902000053130312090X01253355						21.60	21.60	40286C	01		21.60				21A	C 06113 04 L
A575859	02	03902000053130312090X01253355						30.00	30.00	40286C	02		30.00				21A	C 06113 04 L
A575870	01	03902000053130312100X01253355						200.00	243.76	40255C	01		243.76				11R	C 06043 04 L
A575871	01	03902000053130312090X01253355						8.00	24.00	40579C	01		24.00				11R	C 06043 04 L
A575876	01	03902000053130312150X01253355						31.20	31.32	38184C	01		31.32				12B	C 05093 04 L
A576060	01	03902000053130312160X01253385						475.00	450.00	39997C	01		450.00				21E	C 05213 04 L
A576243	01	03902000053130312030X01253385						130.00	135.30	39986C	02		135.30				21H	C 05213 04 L
A576254	01	03902000053130312040X01253385						39.20	39.20	40225C	01		39.20				21A	C 06113 04 L
A576262	01	03902000053130312030X01253385*						98.00	58.00								31R	06263 04 L
A576262	01	P/R DEL					*	98.00-	98.00-					-			-633	06293 04 L
A576262	02	03902000053130312030X01253385*						96.00	96.00								31R	06263 04 L
A576262	02	P/R DEL					*	96.00-	96.00-					-			-633	06293 04 L
A576262	03	03902000053130312030X01253385*						154.00	154.00								31R	06263 04 L
A576262	03	P/R DEL					*	154.00-	154.00-					-			-633	06293 04 L
A576262	04	03902000053130312030X01253385*						56.00	56.00								31R	06263 04 L
A576262	04	P/R DEL					*	56.00-	56.00-					-			-633	06293 04 L
A576262	05	03902000053130312030X01253385*						96.00	96.00								31R	06263 04 L
A576262	05	P/R DEL					*	96.00-	96.00-					-			-633	06293 04 L
A576262	06	03902000053130312030X01253385*						14.00	14.00								31R	06263 04 L
A576262	06	P/R DEL					*	14.00-	14.00-					-			-633	06293 04 L
A576262	07	03902000053130312030X01253385*						24.00	24.00								31R	06263 04 L
A576262	07	P/R DEL					*	24.00-	24.00-					-			-633	06293 04 L
A576262	08	03902000053130312030X01253385*						4.50	4.50								31R	06263 04 L
A576262	08	P/R DEL					*	4.50-	4.50-					-			-633	06293 04 L

P/R	P/R	PROJ	RTOP	PMF	OBJ	JOB	ORD		OBLIGATING	OBLIGATING		PURCHASE REQUEST
NUMBER	L/I	SUBPR	G/L	YAS	CLS	NUMBER	DIV	COMMITMENTS	ORDER	ORDER	P/O	CYC P
								ADJUSTED	AMT	NUMBER	AMD	BUY L
										L/I	AMOUNT	BAT C DATE OFF P
A578089	01	03902000053130312070X01253354						2.58	1.78	41015C	01	41E C 06273 04 L
A578089	02	03902000053130312070X01253354						2.58	1.78	41015C	02	41E C 06273 04 L
A578089	03	03902000053130312070X01253354						2.58	1.78	41015C	03	41E C 06273 04 L
A578089	04	03902000053130312070X01253354						2.58	1.78	41015C	04	41E C 06273 04 L
A578089	05	03902000053130312070X01253354						2.58	1.78	41015C	05	41E C 06273 04 L
A578089	06	03902000053130312070X01253354						2.58	1.78	41015C	06	41E C 06273 04 L
A578089	07	03902000053130312070X01253354						2.58	1.78	41015C	07	41E C 06273 04 L
A578089	08	03902000053130312070X01253354						2.58	1.78	41015C	08	41E C 06273 04 L
A578089	09	03902000053130312070X01253354						2.58	1.78	41015C	09	41E C 06273 04 L
A578089	10	03902000053130312070X01253354						2.58	1.78	41015C	10	41E C 06273 04 L
A578181	01	03902000053130302890X01253333						2300.00	2300.00	41228C	01	31J C 06263 01 L
A578973	01	03902000053130312030X01253321*						62.00	62.00			41E 06273 04 L
A578973	01	P/R DEL						62.00-	62.00-			-633 06293 04 L
A581033	01	03902000053130312030X01253325						77.40	58.05	40870C	01	31R C 06263 04 L

TOTAL P/R-S 118

TOTAL LINE ITEMS 260

*

	3	5	0	0
	2	6	6	3
	2	1	5	5
	3	0	0	0
	8	1	2	6
	3	5	0	0
	1	2	5	9
	7	3	7	7
	7	5	1	4
	1	0	4	7
		7	3	0
1	6	6	8	0
	1	5	4	2
		1	1	4
	1	5	9	0
		2	4	7
		5	0	0
		2	6	1
	1	1	2	3
		9	8	7
		3	0	0
		2	4	0
		5	7	6
	1	0	4	0
		9	2	0
		9	6	8
		2	2	1
		2	8	2
		2	0	1
	4	9	9	0
	2	3	7	0
	4	2	5	0
		2	4	0
	1	1	5	1
	3	7	6	0
		5	3	2
		3	7	8
	2	4	5	0
		3	1	0
		3	1	0
		3	1	0
		1	1	4
	1	3	0	4
	3	3	3	9
		1	2	3
	1	1	2	0
	2	5	5	6
	3	6	9	7
	2	1	7	0
	1	2	0	0
	5	9	5	0
		7	0	0
		1	5	8
		2	2	3
		3	1	9
		4	2	3
			6	4
			6	2
			9	6
		3	6	6
			9	0
			4	1
				2

2 2 2
1 8 9 0
1 8 9 0
1 8 9 0
1 8 9 0
5 2 8 0
7 9 2 0
1 6 3 7
1 5 7 0
1 5 7 5 0 0
2 5 7 8 2
3 3 3 0
9 7 5
2 2 0 0 0
1 5 2 5 0 0
5 0 9
4 4 0 0 0
1 4 0 0 0
1 6 0 0
1 4 2 4 0
9 8 8 0
1 1 5 2 0
1 3 2 6 0 0
1 5 8 0 0 0
3 3 3 0
5 5 2 0 0
2 5 3 6
7 1 7 5
1 8 7 8
2 2 4 4
5 1 2 0
4 4 4 0
1 0 2 0
3 0 6 0
4 5 0 0
4 5 0 0
1 0 2 0
7 2 0 0
2 7 0 0 0
5 8 6 2
1 8 0 9
1 4 0 7
1 8 0 9
2 8 1 4
1 1 1 5
9 0 0 0
5 0 0
7 2 0
1 4 4 0
2 4 3 0
5 6 7
3 0 9 0
2 4 3 0
5 6 7
3 0 9 0
2 4 2 0 0
9 9 0
1 7 8 2
1 7 8 2
1 7 8 2
1 7 8 2
2 0 6 0 0
3 7 8 0
5 9 8 4

6 9 3 9
1 5 0 0 0
3 3 3 0
1 0 6 9
5 2 5 0
1 5 4 5 0
4 5 3 6
1 9 5 4
5 1 8 4
4 1 7 0 0
4 1 7 0 0
8 3 4 0 0
1 6 8 0
1 5 0 0 0 0
2 2 5 0 0
9 3 8 2
9 3 7 5
1 7 7 0 0
4 3 2 0
5 4 0
3 5 7 0
3 6 0 8 0
2 0 0 0 0 0
1 5 0 0 0 0
1 3 5 0 0 0
1 3 5 0 0 0
1 9 5 6 0 0
8 0 0 0
1 5 6 0 0
2 0 1 0 0
3 1 3 6 0
2 3 6 0 0
5 8 0 0
2 1 0 0 0
1 7 5 0 0
8 0 0 0
9 1 8 0
1 2 7 4
6 3 0 0 0
5 2 5 0 0
4 9 0 0 0
5 0 0 0
1 3 5 0 0
5 0 0 0 0
3 0 6 0
1 3 6 0
1 1 4 0
2 0 4 0
7 2 8 0
2 3 5 0
1 4 1 0 0
5 7 6 8
8 3 8 0
1 6 8 3 0
8 5 5 2
5 0 4 8
1 1 3 7
1 6 8 7
7 7 2
1 2 2 1 0
4 4 4 0
8 1 0 0

1 3 9 0 0
4 0 5 0
5 1 5 0
9 4 5
1 2 0 6 5
2 2 5 5 0
1 7 6 0 0
2 5 6 7
2 4 2 7 0
3 0 0 0 0
4 0 0 0
3 0 0 0 0
7 4 0 0
9 3 4 0 0
2 6 7
2 6 7
2 6 7
3 3 0
3 9 9 0 0
2 4 1 2 0
2 4 2 7 0 0
2 1 2 0
4 1 5 8
4 2 7 2
4 1 1 0 0
5 4 0 0
5 4 0 0
2 4 0 0
5 7 6 0
1 2 0 0

4 2 1 8 2 3 4 *

P/R		P/R PROJ RTOP		PMF OBJ JOB CRD		COMMITMENTS		OBLIGATING		OBLIGATING		PURCHASE REQUEST					
NUMBER	L/I	SUBPR	G/L	YAS	CLS	NUMBER	DIV	COMMITMENTS	ADJUSTED AMT	ORDER DRAW	P/O	OBLIGATION	CYC P				
										NUMBER	AMD	L/I	AMOUNT	BAT C	DATE	OFF	P
A	2636	21	50100000004B40302211X01253375			35.00		50.25	Z77695	09		35.00		16B	C	07153	00 L
A	2639	51	50100000004B40302211X01253375			26.63		26.63	Z77695	61		26.63		6A	C	08203	00 L
A	2640	59	50100000004B40302211X01253375			21.55		37.99	H19539	39		21.55		36B	C	08293	00 L
A	2642	06	50100000004B40302211X01253375			30.00		30.00	H19539	70		30.00		16H	C	09123	00 L
A	2642	07	50100000004B40302211X01253375			81.26		81.26	H19539	73		81.26		16H	C	09123	00 L
A	2644	17	50100000004B40302211X01253375			35.00		35.00	Z77696	17		35.00		17A	C	09123	00 L
A	2645	11	50100000004B40302211X01253375			12.59		12.59	H59358	03		12.59		26T	C	09183	00 L
A	2645	12	50100000004B40302211X01253375			73.77		73.77	H59358	01		73.77		26T	C	09183	00 L
A	2645	13	50100000004B40302211X01253375			75.14		75.14	H19539	76		75.14		26T	C	09183	00 L
A	2645	14	50100000004B40302211X01253375			10.47		10.47	Z77696	32		10.47		26T	C	09183	00 L
A308267	01	75500000020040312130X01253310				10.00		7.30	42632C	01		7.30		12R	C	07153	04 L
A308270	01	73900000005040312070X01253310				54.00		54.00						21C		09183	04 L
A308271	01	50200000005040312130X01253310				21.40		21.40						26S		09183	04 L
A322848	01	73900000005040302340X01253333				1668.00		1668.00	44696C	01		1668.00		1G	C	08203	04 L
A388479	01	73900000005040302890X01253319				3726.00		3726.00						11C		09123	06 L
A402168	05	02200000004B40302341X01253310				300.00		300.00						19K		04103	06 L
A405516	01	75900000005040302860X01253319				120.00		137.30	44818C	01		154.21		11C	C	09123	04 L
A405517	01	50200000005040302420X01253319				2.05		11.48	44976C	01		11.48		11D	C	09123	04 L
A405517	02	50200000005040302420X01253319				2.05		2.05						11D		09123	04 L
A405517	03	50200000005040302420X01253319				2.05		2.05						11D		09123	04 L
A405518	01	50200000005040312140X01253319				159.00		159.00	44977C	01		159.00		11D	C	09123	04 L
A405518	02	50200000005040312140X01253319				29.75		24.75	44977C	02		24.75		11D	C	09123	04 L
A405520	01	73900000005040302520X01253319				50.00		50.00	45315C	01		50.00		11S	C	09123	04 L
A504872	01	75500000005040312140X01253355				50.00		26.14	43122C	03		26.14		21K	C	08223	04 L
A509014	01	50100000005040302580X01253310				6760.00		6760.00						13K		07153	06 L
A520016	01	50200000005040312110X01253321				145.60		112.32	44926C	01		112.32		11D	C	09123	04 L
A520817	01	73900000005040302340X01253373				500.00		500.00						21C		09183	04 L
A522644	01	73900000005040312070X01253372				96.30		78.96	44803C	01		98.70		11C	C	09123	04 L
A525006	01	50100000004A40312081X01253395				36.00		30.00	41984C	01		30.00		19K	C	06263	04 L
A525006	02	50100000004A40312081X01253395				42.00		24.00	41984C	02		24.00		19K	C	06263	04 L

P/R P/R PROJ RTOP PMF OBJ JOB ORD						COMMITMENTS		OBLIGATING		OBLIGATING		PURCHASE REQUEST												
NUMBER	L/I	SUBPR	G/L	YAS	CLS	NUMBER	DIV	COMMITMENTS	ADJUSTED	AMT	NUMBER	AMD	L/I	AMOUNT	NUMBER	AMD	L/I	AMOUNT	CYC	P	BUY	DATE	OFF	P
A525008	01	0220000000	05040312040X01253395					33.00	74.07	42112C	01			57.60					11A	C	07153	04	L	
A525010	01	7910000000	05040312080X01253395					117.00	104.00	42852C	01			104.00					11G	C	07153	04	L	
A528838	01	5020000000	05040312070X01253385					192.00	188.80	45085C	01			92.00	45085C	02		96.80	11D	C	09123	04	L	
A528840	01	7910000000	05040312150X01253385					35.00	22.10	417441	01			22.10					11S	C	09123	04	L	
A528841	01	7390000000	05040312150X01253385					28.20	28.20	45105C	01			28.20					11S	C	09123	04	L	
A528841	02	7390000000	05040312150X01253385					20.10	20.10	45105C	02			20.10					11S	C	09123	04	L	
A529114	01	5010000000	03A40315551X01253375					499.00	499.00	41094C	01			499.00					19K	C	06263	04	L	
A529114	02	5010000000	03A40315551X01253375					237.00	237.00	41094C	02			237.00					19K	C	06263	04	L	
A529114	03	5010000000	03A40315551X01253375					425.00	425.00	41094C	03			425.00					19K	C	06263	04	L	
A529114	04	5010000000	03A40312161X01253375					24.00	24.00	41094C	04			24.00					19K	C	06263	04	L	
A529187	01	5010000000	03A40312161X01253375					144.00	115.16	41812C	01			115.16					19K	C	06273	04	L	
A529187	02	5010000000	03A40315521X01253375					440.00	365.80	41812C	02			376.00					19K	C	06273	04	L	
A529187	03	5010000000	03A40312161X01253375					52.00	51.76	41812C	03			53.20					19K	C	06273	04	L	
A529187	04	5010000000	03A40312161X01253375					38.00	37.80	41812C	04			37.80					19K	C	06273	04	L	
A530795	01	7390000000	05040312150X01253325					245.00	268.11	42689C	01			245.00					12R	C	07153	04	L	
A530796	01	7910000000	05040312040X01253325					25.00	29.14	42121C	01			31.00					11N	C	07153	04	L	
A530796	02	7910000000	05040312040X01253325					25.00	31.00	42121C	02			31.00					11N	C	07153	04	L	
A530796	03	7910000000	05040312040X01253325					25.00	31.00	42121C	03			31.00					11N	C	07153	04	L	
A534060	01	7700000000	05040312030X01253390					12.00	11.17	42538C	01			11.40					12H	C	07153	04	L	
A536044	01	7590000000	05040312070X01253325					169.60	127.79	42780C	01			130.40					13J	C	07153	04	L	
A539552	01	4910000000	05040312040X01253375					420.00	81.82	42160C	01			333.96					11D	C	07153	04	L	
A540151	01	7700000000	05040312130X01253374					50.00	50.00									22B		08223	04	L		
A543940	01	5010000000	02B40302891X01253326					200.00	14.10	41190C	01			12.32					19L	C	06113	01	L	
A545102	01	5020000000	05040312120X01253351					150.00	109.67	42321C	01			112.00					11N	C	07153	04	L	
A546615	01	5010000000	02B40312111X01253326					300.00	227.70	41885C	01			255.60					19L	C	06263	04	L	
A546616	01	5010000000	02B40312021X01253326					369.76	369.76	41995C	01			369.76					19L	C	06273	04	L	
A548132	02	5010000000	02B40312101X01253326					320.00	217.76	42144C	01			217.00					19L	C	06283	04	L	
A548696	01	5020000000	05040312130X01253319					130.00	120.00	45091C	01			120.00					11D	C	09123	04	L	
A551847	01	5010000000	02B40315521X01253355					590.00	595.00	42661C	01			595.00					19L	C	05213	04	L	
A551847	02	5010000000	02B40315521X01253355					70.00	70.00	42661C	02			70.00					19L	C	05213	04	L	
A554114	01	7590000000	05040312070X01253319					13.50	15.84	43184C	01			15.84					21H	C	08223	04	L	

P/R P/R PROJ RTOP PMF OBJ JOB ORD				COMMITMENTS		OBLIGATING		OBLIGATING		PURCHASE REQUEST	
NUMBER L/I SUBPR G/L YAS CLS NUMBER DIV				COMMITMENTS	ADJUSTED AMT	ORDER NUMBER	DRAW P/O	OBLIGATION ORDER	DRAW P/O	OBLIG CYC P	BUY L
						NUMBER	AMD L/I	AMOUNT	NUMBER	AMD L/I	AMOUNT
											BAT C DATE OFF P
A554114	02	75900000005040312070X01253319		21.00		19.92	43184C	02	22.38		21H C 08223 04 L
A554114	03	75900000005040312070X01253319		30.00		31.92	43184C	03	31.92		21H C 08223 04 L
A554114	04	75900000005040312070X01253319		39.00		42.30	43184C	04	42.30		21H C 08223 04 L
A554114	05	75900000005040312070X01253319		5.40		6.48	43184C	05	6.48		21H C 08223 04 L
A554114	06	75900000005040312070X01253319		7.80		6.24	43184C	06	6.24		21H C 08223 04 L
A554114	07	75900000005040312070X01253319		12.00		9.60	43184C	07	9.60		21H C 08223 04 L
A554114	08	75900000005040312070X01253319		24.00		36.60	43185C	01	36.60		21H C 08223 04 L
A554114	09	75900000005040312070X01253319		9.50		9.00	43184C	08	9.00		21H C 08223 04 L
A554114	10	75900000005040312070X01253319		4.60		4.12	43184C	09	4.12		21H C 08223 04 L
A554114	11	75900000005040312070X01253319		2.55		2.22	43184C	10	2.22		21H C 08223 04 L
A554114	12	75900000005040312070X01253319		14.40		18.90	43184C	11	18.90		21H C 08223 04 L
A554114	13	75900000005040312070X01253319		14.40		18.90	43184C	12	18.90		21H C 08223 04 L
A554114	14	75900000005040312070X01253319		14.40		18.90	43184C	13	18.90		21H C 08223 04 L
A554114	15	75900000005040312070X01253319		14.40		18.90	43184C	14	18.90		21H C 08223 04 L
A554116	01	73900000005040312130X01253319		45.20		290.40	41725C	01	52.80	41725C	02 79.20 11C C 09123 04 L
A554116	02	73900000005040312130X01253319		66.80		66.80					11C 09123 04 L
A554116	03	73900000005040312130X01253319		67.80		67.80					11C 09123 04 L
A554116	04	73900000005040312130X01253319		66.80		66.80					11C 09123 04 L
A554733	01	75900000005040312040X01253325		24.00		16.87	45340C	02	16.87		21B C 09183 04 L
A554800	01	73900000005040312090X01253325		28.20		16.32	42324C	01	15.70		11J C 07153 04 L
557527	01	75900000005040312150X01253375		1325.00		1559.25	43069C	01	1575.00		13J C 07153 04 L
A557947	01	73900000005040312070X01253370		231.00		252.66	44629C	01	257.82		21S C 08223 04 L
A557948	01	50200000005040312010X01253355		33.40		32.63	43001C	01	33.30		13L C 07153 04 L
A557995	01	75500000005040312090X01253370		18.75		9.55	417315	01	9.75		11U C 09123 04 L
A558164	01	50200000005040312080X01253319		220.00		220.00	43037C	01	220.00		13L C 07153 04 L
A558196	01	73900000005040302890X01253319		138.00		138.00					21C 09183 06 L
A558455	01	02200000005040302710X01253386		1525.00		1525.00	36723C	01	1525.00		11B C 07153 03 L
A559039	01	50200000005040312080X01253355		9.90		5.09	44975C	01	5.09		11S C 09123 04 L
A559138	01	50200000005040302890X01253333		440.00		437.80	44317C	01	440.00		11D C 09123 01 L
A560541	01	75500000005040312150X01253325		140.00		140.00	45229C	01	140.00		11U C 09123 04 L
A560549	01	73900000005040312060X01253325		20.00		16.00	42929C	02	16.00		13K C 07153 04 L
A560685	01	50200000005040312030X01253372		64.00		64.00					11S 09123 04 L
A562702	01	79100000003A40312120X01253395		108.00		21.80	42566C	01	142.40		12H C 07153 04 L
A562702	02	79100000003A40312120X01253395		70.00		104.48	42566C	02	98.80		12H C 07153 04 L
A562707	01	73900000005040312080X01253395		120.00		115.20	44802C	01	115.20		11C C 09123 04 L

P/R P/R PROJ RTOP PMF OBJ JOB ORD						COMMITMENTS		OBLIGATING		OBLIGATING		PURCHASE REQUEST									
NUMBER	L/I	SUBPR	G/L	YAS	CLS	NUMBER	DIV	ORDER	DRAW	P/O	OBLIG	CYC	P	BUY	L						
						COMMITMENTS	ADJUSTED	AMT	NUMBER	AMD	L/I	AMOUNT	NUMBER	AMD	L/I	AMOUNT	BAT	C	DATE	OFF	P
A562810	01	5010000000	5040302890	X01253355		1500.00		1326.00	41331C	01		1326.00					11P	C	07153	01	L
A562811	01	5020000000	5040302890	X01253355		2300.00		1580.00	41343C	01		1580.00					12P	C	07153	01	L
A562812	01	7910000000	5040312080	X01253355		35.00		32.63	44584C	01		33.30					21S	C	08223	04	L
A562814	01	5020000000	5040302890	X01253355		80.00		80.00									11N		07153	01	L
A563106	01	5010000000	4A40312121	X01253385		212.40		212.40									19L		06113	04	L
A563107	01	5010000000	5040302890	X01253385		616.00		552.00	41295C	01		552.00					11G	C	07153	01	L
A563108	01	5010000000	5040312090	X01253385		26.00		24.85	42111C	01		25.36					11P	C	07153	04	L
A563109	01	7590000000	5040312040	X01253385		71.75		71.03	42397C	01		71.75					12B	C	07153	04	L
A563110	01	7690000000	5040312060	X01253385		21.00		18.44	44651C	04		18.78					22B	C	08223	04	L
A563110	02	7690000000	5040312060	X01253385		24.00		22.44	44651C	05		22.44					22B	C	08223	04	L
A563203	01	7590000000	5040312150	X01253385		65.00		50.18	43144C	01		51.20					21H	C	08223	04	L
A563216	01	5020000000	5040312040	X01253385		42.50		45.70	42882C	01		44.40					12P	C	07153	04	L
A563216	02	5020000000	5040312040	X01253385		9.60		10.20	42882C	02		10.20					12P	C	07153	04	L
A563216	03	5020000000	5040312040	X01253385		30.60		30.60	42882C	03		30.60					12P	C	07153	04	L
A563216	04	5020000000	5040312040	X01253385		30.60		45.00	42882C	04		45.00					12P	C	07153	04	L
A563216	05	5020000000	5040312040	X01253385		30.60		45.00	42882C	05		45.00					12P	C	07153	04	L
A563216	06	5020000000	5040312040	X01253385		9.60		10.75	42882C	06		10.20					12P	C	07153	04	L
A563216	07	5020000000	5040312040	X01253385		72.00		69.45	42882C	07		72.00					12P	C	07153	04	L
A563221	01	7550000000	5040312160	X01253385		270.00		270.00	45134C	01		270.00					11U	C	09123	04	L
A563223	01	7690000000	5040312030	X01253385		16.20		16.20									21B		09183	04	L
A563276	01	5020000000	5040312060	X01253385		72.00		58.33	42544C	01		58.62					12P	C	07153	04	L
A563278	01	0220000000	5040312110	X01253385		18.00		18.09	42036C	01		18.09					11A	C	07153	04	L
A563278	02	0220000000	5040312110	X01253385		15.00		14.07	42036C	02		14.07					11A	C	07153	04	L
A563278	03	0220000000	5040312110	X01253385		16.00		18.09	42036C	03		18.09					11A	C	07153	04	L
A563278	04	0220000000	5040312110	X01253385		24.00		28.14	42036C	04		28.14					11A	C	07153	04	L
A563278	05	0220000000	5040312110	X01253385		15.00		11.15	42036C	05		11.15					11A	C	07153	04	L
A563278	06	0220000000	5040312130	X01253385		120.00		90.00	42517C	01		90.00					11A	C	07153	04	L
A563278	07	0220000000	5040312090	X01253385		5.00		5.00	42037C	01		5.00					11A	C	07153	04	L
A563278	08	0220000000	5040312090	X01253385		8.00		7.20	42037C	02		7.20					11A	C	07153	04	L
A563278	09	0220000000	5040312090	X01253385		16.00		14.83	42037C	03		14.40					11A	C	07153	04	L
A563301	01	7390000000	5040312030	X01253385		30.00		24.30	44543C	14		24.30					13K	C	07153	04	L
A563301	02	7390000000	5040312030	X01253385		9.00		5.67	44599C	03		5.67					13K	C	07153	04	L
A563301	03	7390000000	5040312030	X01253385		39.00		30.90	44543C	15		30.90					13K	C	07153	04	L
A563301	04	7390000000	5040312030	X01253385		24.00		24.00									36G		09263	04	L
A563303	01	5020000000	5040312030	X01253385		30.00		24.30	44543C	16		24.30					13L	C	07153	04	L

P/R P/R PROJ RTOP PMF OBJ JOB ORD						COMMITMENTS		OBLIGATING		OBLIGATION		OBLIGATION		PURCHASE REQUEST									
NUMBER	L/I	SUBPR	G/L	YAS	CLS	NUMBER	DIV	COMMITMENTS	ADJUSTED	AMT	NUMBER	AMD	L/I	AMOUNT	NUMBER	AMD	L/I	AMOUNT	CYC	P	BUY	L	
																			BAT	C	DATE	OFF	P
A563303	02	5020000000	5040312030	X01253385				9.00		5.67	44599C		02	5.67					13L	C	07153	04	L
A563303	03	5020000000	5040312030	X01253385				39.00		30.90	44543C		17	30.90					13L	C	07153	04	L
A563303	04	5020000000	5040312030	X01253385				24.00		24.00									36G		09263	04	L
A563305	01	5020000000	5040312030	X01253385				240.00		242.00	44543C		05	242.00					13L	C	07153	04	L
A563305	02	5020000000	5040312030	X01253385				6.00		9.90	44543C		06	9.90					13L	C	07153	04	L
A563305	03	5020000000	5040312030	X01253385				9.00		17.82	44543C		07	17.82					13L	C	07153	04	L
A563305	04	5020000000	5040312030	X01253385				9.00		17.82	44543C		08	17.82					13L	C	07153	04	L
A563305	05	5020000000	5040312030	X01253385				9.00		17.82	44543C		09	17.82					13L	C	07153	04	L
A563305	06	5020000000	5040312030	X01253385				9.00		17.82	44543C		10	17.82					13L	C	07153	04	L
A563305	07	5020000000	5040312030	X01253385				240.00		199.61	44543C		11	206.00					13L	C	07153	04	L
A563305	08	5020000000	5040312030	X01253385				60.00		36.63	44599C		01	37.80					13L	C	07153	04	L
A563305	09	5020000000	5040312030	X01253385				60.00		59.84	44554C		01	59.84					13L	C	07153	04	L
A563305	10	5020000000	5040312030	X01253385				402.00		402.00									36G		09263	04	L
A563305	11	5020000000	5040312030	X01253385				13.14		13.14									36G		09263	04	L
A563305	12	5020000000	5040312030	X01253385				13.14		13.14									36G		09263	04	L
A563305	13	5020000000	5040312030	X01253385				13.14		13.14									36G		09263	04	L
A563305	14	5020000000	5040312030	X01253385				13.14		13.14									36G		09263	04	L
A563305	15	5020000000	5040312030	X01253385				13.14		13.14									36G		09263	04	L
A563316	01	7690000000	5040312030	X01253385				78.00		68.70	44697C		01	69.39					22B	C	08223	04	L
A563316	02	7690000000	5040312030	X01253385				360.00		150.00	44698C		01	150.00					22B	C	08223	04	L
A563316	03	7690000000	5040312030	X01253385				36.00		33.30	44698C		02	33.30					22B	C	08223	04	L
A563316	04	7690000000	5040312030	X01253385				12.00		10.48	44691C		01	10.69					22B	C	08223	04	L
A563320	01	7690000000	5040312030	X01253385				30.00		30.00									11C		09123	04	L
A563327	01	7590000000	5040312160	X01253385				240.00		52.50	44630C		01	52.50					13J	C	07153	04	L
A563389	01	5020000000	5040312130	X01253385				154.50		153.73	45028C		01	154.50					11D	C	09123	04	L
A563403	01	7390000000	5040312060	X01253385				40.00		45.36	44766C		01	45.36					22B	C	08223	04	L
A563403	02	7390000000	5040312060	X01253385				20.00		19.54	44766C		02	19.54					22B	C	08223	04	L
A563649	01	7390000000	5040312010	X01253325				30.00		51.84	44635C		01	51.84					21S	C	08223	04	L
A564552	01	4910000000	5040302340	X01253333				417.00		417.00	42175C		01	417.00					11D	C	07153	04	L
A564552	02	4910000000	5040302340	X01253333				417.00		417.00	42175C		02	417.00					11D	C	07153	04	L
A564552	03	4910000000	5040302340	X01253333				834.00		834.00	42175C		03	834.00					11D	C	07153	04	L
A564644	01	7690000000	5040312020	X01253321				16.80		16.80	45104C		01	16.80					22B	C	08223	04	L
A566616	01	5020000000	5040302850	X01253371				934.00		1500.00	41638C		01	1500.00					12B	C	07153	03	L
A566639	01	7590000000	5040302340	X01253371				225.00		225.00	44922C		01	225.00					11C	C	09123	04	L
A569555	01	5010000000	02B40312071	X01253371				150.00		104.97	41088C		01	93.82					19L	C	06273	04	L
A569556	01	5010000000	02B40312071	X01253371				98.25		93.75	41848C		01	93.75					19L	C	06273	04	L
A569556	02	5010000000	02B40312071	X01253371				196.50		177.00	41848C		02	177.00					19L	C	06273	04	L
A569561	01	5010000000	02B40312091	X01253371				40.32		42.34	41093C		05	43.20					19L	C	06273	04	L

P/R NUMBER	P/R L/I	PROJ SUBPR	RTOP G/L	PMF YAS	OBJ CLS	JOB NUMBER	ORD DIV	OBLIGATING			OBLIGATING			PURCHASE REQUEST		
								COMMITMENTS	ORDER	P/O	OBLIGATION	ORDER	P/O	OBLIG	CYC	BUY
								ADJUSTED	AMT	NUMBER	AMD	L/I	AMOUNT	NUMBER	AMD	L/I
A569561	02	5010000000	2840312091	X01253371				6.00	5.07	41093C		06	5.40			
														19L	C	06273 04 L
A569564	01	5010000000	2840312071	X01253371				35.70	35.70	41090C		01	35.70			
														19L	C	06273 04 L
A569569	01	5010000000	2840312011	X01253371				393.60	360.80	41846C		01	360.80			
														19L	C	06273 04 L
A569576	01	5010000000	5040302891	X01253371				2000.00	2000.00	41240C		01	2000.00			
														19L	C	06273 01 L
A569579	01	0220000000	5040302890	X01253371				1500.00	1500.00	41310C		01	1500.00			
														11B	C	07153 01 L
A569593	01	5010000000	5040302891	X01253371				1470.00	1350.00	41300C		01	1350.00			
														19L	C	06273 01 L
A569596	01	0220000000	5040302890	X01253371				1470.00	1350.00	41296C		01	1350.00			
														11B	C	07153 01 L
A569599	01	0220000000	5040302890	X01253371				1080.00	1956.00	41323C		01	1956.00			
														11A	C	07153 01 L
A569599	02	0220000000	5040302890	X01253371				420.00	420.00					11A		07153 01 L
A569599	03	0220000000	5040302890	X01253371				456.00	456.00					11A		07153 01 L
A569719	01	7390000000	5040312090	X01253371				80.00	80.00	43079C		01	80.00			
														1G	C	08203 04 L
A569727	01	7590000000	5040312080	X01253371*				15.72	15.72					21H		08223 04 L
A569727	01	P/R DEL						15.72-	15.72-					-26C		09183 04 L
A569736	01	7390000000	5040312070	X01253371				156.00	156.00	44627C		01	156.00			
														21S	C	08223 04 L
A569740	01	7390000000	5040312070	X01253371				196.50	201.00	44765C		01	201.00			
														22B	C	08223 04 L
A569741	01	7390000000	5040312010	X01253371				211.20	307.33	44789C		01	313.60			
														11C	C	09123 04 L
A569749	01	5020000000	5040312010	X01253371				313.60	236.00	45034C		01	236.00			
														11S	C	09123 04 L
A569752	01	7690000000	5040312010	X01253371				240.00	240.00					21B		09183 04 L
A569846	01	5020000000	5040312140	X01253326				58.00	57.42	42954C		01	58.00			
														13L	C	07153 04 L
A569870	01	5010000000	2840302891	X01253326				390.00	207.90	41278C		01	210.00			
														19L	C	06273 01 L
A569871	01	7590000000	5040302890	X01253326				175.00	175.00	41328C		01	175.00			
														12B	C	07153 01 L
A569882	01	0220000000	5040302890	X01253326				80.00	80.00	41271C		01	80.00			
														11A	C	07153 01 L
A569883	01	7590000000	5040312030	X01253326				240.00	92.39	42794C		01	91.80			
														13J	C	07153 04 L
A569884	01	7590000000	5040312050	X01253326				12.80	12.61	42756C		01	12.74			
														13J	C	07153 04 L
A570365	01	7590000000	5040302890	X01253355				720.00	626.85	41230C		01	630.00			
														13J	C	07153 01 L
A570366	01	7700000000	5040302890	X01253355				600.00	522.37	41344C		01	525.00			
														12H	C	07153 01 L
A570367	01	7390000000	5040302890	X01253385				490.00	485.10	41355C		01	490.00			
														12R	C	07153 01 L
A570370	01	7590000000	5040302890	X01253355				50.00	49.50	44270C		01	50.00			
														11C	C	09123 01 L

P/R		P/R		PROJ		RTOP		PMF		OBJ		JOB		ORD		OBLIGATING		OBLIGATING		PURCHASE REQUEST	
NUMBER		L/I		SUBPR		G/L		YAS		CLS		NUMBER		DIV		COMMITMENTS		ORDER DRAW P/O		CYC P	
																ADJUSTED AMT		NUMBER AND L/I		BAT C	
																				DATE OFF P	
A573742	01			75500000005040302890X01253385												135.00	135.00	44328C	01	135.00	11U C 09123 01 L
A574303	01			79100000005040302340X01253325												500.00	500.00	45101C	01	500.00	11S C 09123 04 L
A574671	01			79100000005040312150X01253321												30.60	30.60	416653	01	30.60	11S C 09123 04 L
A574671	02			79100000005040312150X01253321												13.00	13.00	416653	02	13.00	11S C 09123 04 L
A574671	03			79100000005040312150X01253321												12.00	12.00	416653	03	12.00	11S C 09123 04 L
A575129	01			73900000005040312150X01253325												20.40	21.25	42313C	01	20.40	11H C 07153 04 L
A575718	01			73900000005040312060X01253385												87.60	74.06	42912C	01	72.80	13H C 07153 04 L
A575719	01			73900000005040312090X01253385												20.00	24.29	42909C	01	23.50	13H C 07153 04 L
A576243	02			77000000005040312030X01253385												130.00	141.00	44542C	01	141.00	36U C 08293 04 L
A576262	01			50100000002840312031X01253385												98.00	56.99	42158C	01	57.68	19L C 06263 04 L
A576262	02			50100000002840312031X01253385												96.00	83.80	42158C	02	83.80	19L C 06263 04 L
A576262	03			50100000002840312031X01253385												154.00	168.30	42158C	03	168.30	19L C 06263 04 L
A576262	04			50100000002840312031X01253385												56.00	85.52	42158C	04	85.52	19L C 06263 04 L
A576262	05			50100000002840312031X01253385												96.00	49.98	42158C	05	50.48	19L C 06263 04 L
A576262	06			50100000002840312031X01253385												14.00	11.37	42158C	06	11.37	19L C 06263 04 L
A576262	07			50100000002840312031X01253385												24.00	16.38	41974C	02	16.87	19L C 06263 04 L
A576262	08			50100000002840312031X01253385												4.50	7.72	41974C	03	7.72	19L C 06263 04 L
A576262	09			75900000005040312030X01253385												168.30	118.77	44805C	01	122.10	36L C 08293 04 L
A576262	10			75900000005040312030X01253385												85.52	44.40	44805C	02	44.40	36L C 08293 04 L
A576274	01			73900000005040312030X01253385												140.00	91.00	42452C	06	91.00	11H C 07153 04 L
A576274	02			73900000005040312030X01253385												130.00	133.87	42452C	07	139.00	11H C 07153 04 L
A576274	03			73900000003A40312030X01253385												140.00	140.00				36K C 09263 04 L
A576276	01			77000000005040312030X01253385												50.00	40.50	44543C	12	40.50	13G C 07153 04 L
A576276	02			77000000005040312030X01253385												65.00	51.50	44543C	13	51.50	13G C 07153 04 L
A576276	03			77000000005040312030X01253385												15.00	9.45	44599C	04	9.45	13G C 07153 04 L
A576276	04			77000000005040312030X01253385												40.00	40.00				36G C 09263 04 L
A576432	01			50200000005040312070X01253319												124.50	119.44	44528C	02	120.65	13L C 07153 04 L
A576433	01			50200000005040312130X01253319												225.50	223.24	44528C	01	225.50	13L C 07153 04 L
A576447	01			50200000005040312080X01253319												17.40	17.40				26S C 09183 04 L
A576447	02			50200000005040312080X01253319												18.60	18.60				26S C 09183 04 L
A578025	01			77000000005040312080X01253372												176.00	176.00	45226C	01	176.00	11X C 09123 04 L
A578340	01			769000000018040302890X01253326												25.67	25.67	44234C	01	25.67	21J C 08223 01 L
A578343	01			73900000005040302890X01253319												243.00	242.70	44264C	01	242.70	22B C 08223 01 L
A578775	01			73900000005040302890X01253352												300.00	300.00	42987C	01	300.00	11H C 07153 04 L

P/R P/R PROJ RTOP PMF OBJ JOB CRD								COMMITMENTS		OBLIGATING		OBLIGATING		PURCHASE REQUEST									
NUMBER	L/I	SUBPR	G/L	YAS	CLS	NUMBER	DIV	COMMITMENTS	ADJUSTED	AMT	NUMBER	AMD	L/I	AMOUNT	NUMBER	AMD	L/I	AMOUNT	CYC	P	BUY	L	
																			BAT	C	DATE	OFF	P
A578775	02	7390000000	5040302890	X01253352				300.00		40.00	42987C		02	40.00					11H	C	07153	04	L
A578775	03	7390000000	5040302890	X01253352				30.00		300.00	42987C		03	300.00					11H	C	07153	04	L
A578973	01	5010000000	2840312031	X01253321				62.00		72.27	41879C		02	74.00					19L	C	06273	04	L
A581416	01	7550000000	5040302890	X01253319				934.00		934.00	44227C		01	934.00					21K	C	08223	01	L
A581417	01	7590000000	5040312070	X01253319				3.00		2.67	43131C		01	2.67					21H	C	08223	04	L
A581417	02	7590000000	5040312070	X01253319				3.00		2.67	43131C		02	2.67					21H	C	08223	04	L
A581417	03	7590000000	5040312070	X01253319				3.00		2.67	43131C		03	2.67					21H	C	08223	04	L
A581417	04	7590000000	5040312070	X01253319				4.20		3.30	43131C		04	3.30					21H	C	08223	04	L
A581418	01	7910000000	5040312160	X01253319				399.00		399.00	44610C		01	399.00					21S	C	08223	04	L
A581418	02	7910000000	5040312160	X01253319				17.00		17.00									21S		08223	04	L
A581419	01	7910000000	5040312130	X01253319				241.20		241.20	44625C		01	241.20					21S	C	08223	04	L
A581420	01	7590000000	5040302890	X01253319				2427.00		2427.00	44256C		01	2427.00					22B	C	08223	01	L
A581421	01	7690000000	5040312070	X01253319				6.00		5.30	44690C		01	5.30					22B	C	08223	04	L
A581421	02	7690000000	5040312070	X01253319				6.00		5.30	44690C		02	5.30					22B	C	08223	04	L
A581421	03	7690000000	5040312070	X01253319				6.00		5.30	44690C		03	5.30					22B	C	08223	04	L
A581421	04	7690000000	5040312070	X01253319				6.00		5.30	44690C		04	5.30					22B	C	08223	04	L
A581421	05	7690000000	5040312070	X01253319				6.00		5.98	44690C		05	5.98					22B	C	08223	04	L
A581421	06	7690000000	5040312070	X01253319				6.00		5.98	44690C		06	5.98					22B	C	08223	04	L
A581421	07	7690000000	5040312070	X01253319				6.00		5.98	44690C		07	5.98					22B	C	08223	04	L
A581421	08	7690000000	5040312070	X01253319				6.00		5.98	44690C		08	5.98					22B	C	08223	04	L
A581421	09	7690000000	5040312070	X01253319				6.00		5.98	44690C		09	5.98					22B	C	08223	04	L
A581421	10	7690000000	5040312070	X01253319				6.00		5.98	44690C		10	5.98					22B	C	08223	04	L
A581421	11	7690000000	5040312070	X01253319				6.00		5.98	44690C		11	5.98					22B	C	08223	04	L
A581422	01	5020000000	5040312080	X01253319				6.00		5.34	44927C		01	5.34					11D	C	09123	04	L
A581422	02	5020000000	5040312080	X01253319				6.00		5.34	44927C		02	5.34					11D	C	09123	04	L
A581422	03	5020000000	5040312080	X01253319				6.00		5.34	44927C		03	5.34					11D	C	09123	04	L
A581422	04	5020000000	5040312080	X01253319				6.00		5.34	44927C		04	5.34					11D	C	09123	04	L
A581422	05	5020000000	5040312080	X01253319				6.00		5.34	44927C		05	5.34					11D	C	09123	04	L
A581422	06	5020000000	5040312080	X01253319				6.00		5.34	44927C		06	5.34					11D	C	09123	04	L
A581422	07	5020000000	5040312080	X01253319				6.00		5.34	44927C		07	5.34					11D	C	09123	04	L
A581422	08	5020000000	5040312080	X01253319				6.00		5.34	44927C		08	5.34					11D	C	09123	04	L
A582093	01	7390000000	5040312080	X01253370				411.00		400.14	45319C		01	411.00					21C	C	09183	04	L
A582093	02	7390000000	5040312080	X01253370				54.00		54.00	45319C		02	54.00					21C	C	09183	04	L
A582093	03	7390000000	5040312080	X01253370				54.00		54.00	45319C		03	54.00					21C	C	09183	04	L
A582093	04	7390000000	5040312080	X01253370				24.00		24.00	45319C		04	24.00					21C	C	09183	04	L
A583402	01	5020000000	5040312020	X01253351				132.50		132.50									26S		09183	08	L
A583714	01	7590000000	5040312150	X01253355				57.60		57.01	44649C		01	57.60					22B	C	08223	04	L
A583714	02	7590000000	5040312150	X01253355				12.00		12.00	44649C		02	12.00					22B	C	08223	04	L

4482 34

TOTAL P/R-S 143

TOTAL LINE ITEMS 269