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(Block 19 continued)

General Purpose Simulation System
Shore Party
Lighterage
Construction Equipment
Breakbulk Cargo
Containerized Cargo

Cargo Handling Equipment
Assault Echelon Supply
Assault Follow-On Echelon Supply
Force Resupply for Mission Duration
Square and Outsized Cargo

(Block 20 continued)

and cargo handling equipment along with the respective operational characteristics, as well as construction requirements, and a schedule of cargo delivered to the beach.

Model output consists of equipment requirements and utilization, the completion times for all construction projects, and a compilation of all cargo delivered as a function of time. The model output is designed to assist in the assessment of logistics requirements for amphibious assault operations.

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ABSTRACT

The ALSA (Amphibious Logistics Support Ashore) computer program simulates the construction and cargo delivery functions required to support the logistical component of a Marine Corps amphibious assault at the Marine Amphibious Force (MAF) level. Input consists of either available or baseline quantities of each type of construction equipment and cargo handling equipment along with the respective operational characteristics, as well as construction requirements, and a schedule of cargo delivered to the beach.

Model output consists of equipment requirements and utilization, the completion times for all construction projects, and a compilation of all cargo delivered as a function of time. The model output is designed to assist in the assessment of logistics requirements for amphibious assault operations.

ADMINISTRATIVE INFORMATION

This work was funded by the Research and Development Division of the Naval Supply Systems Command (043), Washington, D.C. 20390. The work was accomplished in cooperation with, and monitored by, LT. COL. James Medis of the Plans and Studies Division, Development Center, MCDEC, Quantico, VA 22134. This project was internally (DTNSRDC) controlled under Program Element 62760N, Task Area RF 53531091, and Work Unit 1800-005.

EXECUTIVE SUMMARY

Statement of the Problem

Within the Amphibious Logistics Support Ashore (ALSA) Program, a mechanism is required with which to evaluate the procedures and equipment used to support the logistical component of a Marine Corps amphibious assault. This method should be relatively inexpensive and capable of readily accepting changes.

Technical Approach

A computer simulation program, designated ALSA, was developed which considers the following operations:

- Arrival of the shore party
- Delivery ashore of construction equipment
- Construction of the Beach Support Area (BSA), Main Supply Routes (MSR), Logistics Support Area (LSA), Ammunition Supply Points (ASP), and Amphibious Assault Fuel System (AAFS)
- Unloading cargo from lighterage at the beach
- Loading cargo onto trucks at the beach
- Delivering cargo to its appropriate storage area
- Unloading and unstuffing cargo at the appropriate storage area
- Return to the beach of empty trucks and empty containers

The program was written in GPSS^{1*} (General Purpose Simulation System), a simulation programming language used to build computer models for discrete event simulations (for reproducing the dynamic behavior of systems in which changes of state occur at discrete points in time).

The simulation output consists of completion times for all construction projects involved in the amphibious assault, and a compilation of cargo delivered by type, as a function of time.

ALSA was designed for use primarily in the analysis of Marine Amphibious Force (MAF) size operations.

*A complete listing of references is given on page 137.

1.0 INTRODUCTION

The REACT² computer simulation model at DTNSRDC has been used to examine the transportation of the Assault Follow-On Echelon portion of a Marine Corps landing force from embarkation ports to the Amphibious Operations Area (AOA). The Assault Follow-On Echelon (AFOE) was loaded at a port in CONUS, transported over an ocean route, and unloaded at the AOA. The force was delivered ashore by means of landing craft.

Since the logical extension of this previous work was the examination of the logistical operations ashore, and since at the same time the Civil Engineering Laboratory (CEL) in Port Hueneme, California, was examining hardware to be used in the shoreside operations, it was decided that an investigation of the logistics operations ashore would be beneficial.

A computer simulation model was determined to be the most appropriate tool for studying the logistics associated with an amphibious assault operation. This model may be used to examine the performance of the supporting logistical system and to determine the differing effectiveness of the system upon changing either operational procedures or the numbers and types of equipment available. Such a tool will be an extremely valuable aid in future planning.

The ALSA computer simulation has been written to fulfill this requirement. It is written in the GPSS simulation language and is currently in use at the David W. Taylor Naval Ship Research and Development Center (DTNSRDC). This report describes the ALSA program and the details and procedures required for its use.

2.0 ALSA DESCRIPTION

2.1 SYSTEM DEFINITION

The Amphibious Logistics Support Ashore (ALSA) System provides the capability to store and handle the petroleum, oil and lubricants (POL), ammunition, and general cargo required in support of a Marine Amphibious Force (MAF) during both the amphibious assault phase and the subsequent operations ashore.

The Beach Support Area (BSA) is used for the storage of supplies during the initial phase of the operation. Roads (the Main Supply Routes) are subsequently constructed leading from the beach to the Rear Support Area, which consists of the Amphibious Assault Fuel System (AAFS), the Logistics Support Area (LSA), and the Ammunition Supply Points (ASP). When completed, these three areas take over the storage functions which were previously handled by the BSA.

The AAFS is used for the storage of bulk POL. The LSA provides storage for all palletized and containerized cargo other than ammunition. The ASP is used for the storage of all ammunition.

2.2 SCENARIO

The scenario selected for the ALSA simulation model opens with the amphibious landing of a MAF on an undeveloped beach. The shore party arrives with the necessary construction equipment and maps out the beach. The construction required for the logistical component of the operation begins with the BSA. After the BSA is finished, the construction of the Rear Support Area and of the connecting roadways is started. At this time lighters begin arriving with the cargo required ashore, where it is unloaded from the lighters, transported to the appropriate storage area (BSA, AAFS, LSA, or ASP), and stored.

Detailed descriptions of the construction and cargo delivery scenarios are found in Sections 4.0 and 5.0, respectively.

2.3 EQUIPMENT

Two categories of equipment are required by the ALSA system: the construction equipment, and the cargo handling equipment.

2.3.1 Construction Equipment

The construction equipment is delivered ashore by lighters during the first stages of the landing operation. The construction equipment consists of the following items:

- Scrapers
- Scoop Loaders
- Dump trucks
- Rollers
- Graders
- Surfacing
- Bulldozers
- Backhoes

2.3.2 Cargo Handling Equipment

The cargo handling equipment is required for handling the supplies needed to support the operation. The supplies are delivered ashore by lighterage after enough construction has been completed to make sufficient storage areas available. The cargo handling equipment is listed in Table 1.

TABLE 1 - CARGO HANDLING EQUIPMENT

No.	Description
1	Cranes at AAFS
2	Towing equipment
3	Beach forklift for general cargo
4	Beach forklift for POL
5	Beach forklift for ammo
6	BSA forklift for general cargo
7	BSA forklift for POL
8	BSA forklift for ammo
9	Flatbed trucks
10	LSA forklift for general cargo
11	LSA forklift for POL
12	ASP 1 forklift for ammo
13	Beach container lift
14	BSA container lift
15	BSA unstuffing equipment
16	LSA container lift
17	LSA unstuffing equipment
18	ASP container lift
19	ASP unstuffing equipment
20	Cranes at beach
21	Cranes at BSA
22	Cranes at LSA
23	ASP 2 forklift for ammo
24	ASP 3 forklift for ammo
25	ASP 4 forklift for ammo
26	Flatbed trucks for breakbulk cargo
27	Flatbed trucks for containerized cargo

3.0 SUBSYSTEM DESCRIPTIONS

The ALSA computer simulation model considers the following three functional subsystems:

Transportation

Engineering

Supply

These subsystems comprise the logistical support component of the amphibious operation.

3.1 TRANSPORTATION

The function of the transportation subsystem is the delivery of material required ashore. This material falls into three general classes:

Construction equipment

Cargo handling equipment

Initial supply and resupply

The construction equipment and the cargo handling equipment have been discussed in Section 2.3.

The delivery of supplies begins after sufficient onshore construction has been completed to allow for its receipt and after sufficient cargo handling equipment has been delivered ashore to handle the incoming materiel. The supplies are delivered to the shore by lighters. The supplies consist of twelve distinct types, as listed in Table 2.

3.2 ENGINEERING

The function of the engineering subsystem is the construction of all roads and storage areas required ashore.

3.2.1 Beach Support Area

The Beach Support Area (BSA), consisting of beach dumps for the storage of materiel, is the first construction project undertaken. Supplies required for support of the Assault Echelon (AE), the initial landing force, are delivered to the BSA as soon as feasible.

TABLE 2 - GENERAL SUPPLY

Type No.	Description
1	Breakbulk, general cargo
2	Breakbulk, petroleum, oil, and lubricants (POL)
3	Breakbulk, ammunition (ammo)
4	Containerized general cargo, to be unstuffed
5	Containerized ammunition, to be unstuffed
6	Containerized drum POL, to be unstuffed
7	Containerized general cargo, not to be unstuffed
8	Containerized ammunition, not to be unstuffed
9	Containerized drum POL, not to be unstuffed
10	Square, self powered oversized cargo, on wheels
11	Square, non-powered oversized cargo, on wheels
13	Oversized cargo

3.2.2 Main Supply Routes

The Main Supply Routes (MSR) are the roads leading from the beach to the inland storage areas.

3.2.3 Amphibious Assault Fuel System

The Amphibious Assault Fuel System (AAFS) consists of four inland storage areas designed for large quantities of bulk POL. Within each such area, the POL is stored in large containers, each one surrounded by a berm and separated from the other containers. Bulk POL is not delivered ashore until the AAFS is capable of receiving it. There is no provision for preliminary storage of bulk POL at the BSA. The ALSA simulation model does not presently have the capability to simulate the delivery ashore of bulk POL.

3.2.4 Logistics Support Area

The Logistics Support Area (LSA) is generally inland and acts as the main supply control area. The LSA takes over the supply function from the BSA for general cargo in either palletized or containerized form, and for breakbulk and containerized POL. After the construction of the LSA is completed, supplies can be routed to it, and the BSA is gradually phased out with respect to the storage of general cargo and non-bulk POL.

3.2.5 Ammunition Supply Points

The Ammunition Supply Points (ASP) are inland areas designed to take over the ammunition storage function from the BSA. After the construction of the ASP is completed, supplies may be routed to it, and the BSA is phased out with respect to the storage of ammunition.

3.3 SUPPLY

The supply function consists of the distribution, storage, and inventory of all material required for the operation. The supply is delivered ashore aboard lighterage as soon as the BSA is ready to receive cargo. The twelve types of supply are listed in Table 2.

The delivery ashore of supply is generally broken down into three categories.

- Assault Echelon Supply
- Assault Follow-On Echelon Supply
- Force Resupply For Mission Duration

The delivery of the Assault Echelon Supply is started as soon as the BSA is capable of receiving cargo. In general, delivery of the Assault Echelon Supply will begin one day after the operation starts.

The delivery of the Assault Follow-On Echelon Supply generally commences about five days into the operation. By this time, the inland storage areas should be completed, the BSA will be phased out, and cargo will be moving over the Main Supply Routes to the inland dumps. Specific delivery times and construction completion times will vary with the specific situations examined.

The Force Resupply For Mission Duration generally starts about fifteen days into the operation. It supplies all materiel required by the MAF until the termination of the operation.

4.0 ENGINEERING OPERATIONS

4.1 INITIAL LANDING

The scenario selected for the ALSA simulation model opens with the amphibious landing of a Marine Amphibious Force (MAF) on an undeveloped beach. The shore party arrives with the necessary construction equipment, maps out the beach, and starts the construction required for the logistics component of the operation.

4.2 BEACH SUPPORT AREA

The Beach Support Area (BSA) is the first major logistical support component to be constructed. The BSA serves until such time as subsequent construction of the LSA and ASP can be completed farther inland. There are five components within the BSA. These are the BSA Roads, Dump 1 (ammo), Dump 2 (personal effects and construction materiel), Dump 3 (POL), and Dump 4 (general cargo).

Each construction operation has a priority for the use of equipment, with the priorities running from P = 1 (highest) to P = 33 (lowest).

The BSA roads have the highest priority (P = 1) for use of the available construction equipment. In descending order, the remaining priorities are, for Dump 1, P = 2; for Dump 2, P = 3; for Dump 3, P = 4; for Dump 4, P = 5.

4.2.1 Construction of BSA Roads

The first component for the BSA Roads construction is the clearing operation, performed by the bulldozers. This is followed by the stripping operation (scrapers), subsurface filling (dump trucks), subsurface compacting (rollers), grading (graders), surface filling (dump trucks), and surface compacting (rollers).

4.2.2 Construction of Dump 1

Dump 1 is first cleared (bulldozers), then material for berms is deposited (scrapers), and earth is piled (scoop loaders) to shape the berms.

4.2.3 Construction of Dumps 2, 3, and 4

The construction of Dump 2, Dump 3, and Dump 4 consists of one clearing operation each by bulldozers.

4.3 MAIN SUPPLY ROUTES

The Main Supply Routes (MSR) are the roads within the logistics complex which are used for transportation of construction equipment and supplies from the beach to supply areas farther inland. The Main Supply Routes are constructed in two phases. First temporary roads are cleared to allow an initial flow of materiel to begin. Later, when the construction equipment is no longer required for the development of inland dump areas, the permanent roads are completed. Priorities for the construction of the various MSR components are, for Temporary MSR 1, P = 6; Temporary MSR 2, P = 7; Temporary MSR 3, P = 8; Temporary MSR 4, P = 9; Permanent MSR 1, P = 30; Permanent MSR 2, P = 31; Permanent MSR 3, P = 32; Permanent MSR 4, P = 33.

4.3.1 Construction of Temporary Main Supply Routes

The construction of each of the four components of the Temporary Main Supply Routes is similar. For each of the four components, the first operation is clearing (bulldozers), followed by compacting (rollers) and grading (graders).

4.3.2 Construction of Permanent Main Supply Routes

For Permanent Main Supply Routes 1 and 2, the first operation is stripping (scrapers), followed by compacting (rollers), grading (graders), and surfacing (surfacers). For Permanent Main Supply Routes 3 and 4, the sequence of operations is stripping (scrapers), compacting (rollers), and grading (graders).

4.4 AMPHIBIOUS ASSAULT FUEL SYSTEM

The Amphibious Assault Fuel System (AAFS) is used for the inland storage of outsized POL tanks. It is made up of four components. The

components and their corresponding priorities for the use of construction equipment are: AAFS 1, P = 10; AAFS 2, P = 11; AAFS 3, P = 12; AAFS 4, P = 13.

For each component of the AAFS, the sequence of construction operations is clearing (bulldozers), grading (graders), depositing berm material (scrapers), piling earth at berms (scoop loaders), and shaping berms (graders).

4.5 LOGISTICS SUPPORT AREA

The Logistics Support Area (LSA) is used for the inland storage of general cargo in containerized and palletized form. The LSA consists of seven components. The components and their corresponding priorities for the use of construction equipment are: Storage Area 1, P = 14; Storage Area 2, P = 15; Storage area 3, P = 16; Unstuffing Area (UA), P = 17; Truck Loading Area (TLA), P = 18; Pallet Staging Area (PSA), P = 19; Administrative Area (AA), P = 20.

4.5.1 Construction of Container Unstuffing Area and Storage Areas 1, 2, and 3.

For the Container Unstuffing Area and Storage Areas 1, 2, and 3, the first operation is clearing (bulldozers), followed by stripping (scrapers). After stripping, filling (dump trucks) and compacting (rollers) are started at the same time. After the compacting is finished, the area is graded (graders). When both the filling and grading are finished, the surfacing (surfacers) is done.

4.5.2 Construction of Truck Loading Area

The Truck Loading Area is first cleared (bulldozers). Then filling (dump trucks) and compacting (rollers) are started at the same time. After the compacting is finished, the area is graded (graders).

4.5.3 Construction of Pallet Staging Area

The construction of the Pallet Staging Area is done by first clearing (bulldozers) and then grading (graders).

4.5.4 Construction of Administrative Area

The Administrative Area is first cleared (bulldozers). Then it is stripped (scrapers), after which filling (dump trucks) and compacting (rollers) are started at the same time. After the compacting is finished, the area is graded (graders).

4.6 AMMUNITION SUPPLY POINTS

The Ammunition Supply Points (ASP) comprise an area used exclusively for the inland storage of ordnance. It is made up of four components. During ASP construction, the priorities for use of equipment are: Road A1 (for ASP 1), P = 21; Road A2 (for ASP 2), P = 22; Road A3 (for ASP 3), P = 23; Road A4 (for ASP 4), P = 24; Revetment A1 (for ASP 1), P = 25; Revetment A2 (for ASP 2), P = 26; Revetment A3 (for ASP 3), P = 27; Revetment A4 (for ASP 4), P = 28; Perimeter (for all ASP), P = 29.

4.6.1 Construction of Roads A1, A2, A3, and A4

Roads A1, A2, A3, and A4 are first cleared (bulldozers). Then compacting (rollers) and stripping (scrapers) are started at the same time. After the compacting is finished, the grading (graders) is done.

4.6.2 Construction of Revetments A1, A2, A3, and A4

Revetments A1, A2, A3, and A4 are first cleared (bulldozers). Then, in sequence, material is deposited for the berms (scrapers), earth is piled at the berms (scoop loaders), and the berms are shaped (graders).

4.6.3 Construction of Perimeter

The construction of the Perimeter of the ASP is accomplished by the one operation of clearing (bulldozers).

5.0 SUPPLY/TRANSPORTATION OPERATIONS

5.1 TYPES OF CARGO

The program considers twelve distinct types of cargo, as defined in Table 2.

5.2 CARGO DELIVERY ASHORE

The amount of each type of cargo delivered ashore is defined by the user of the ALSA simulation model. Cargo is delivered to the beach by means of lighterage. Each lighter contains only one type of cargo. On arrival at the shoreline each lighter is unloaded, and the cargo is routed to the appropriate storage area.

5.2.1 Delivery of Breakbulk Cargo

Cargo types 1, 2, and 3, as defined in Section 5.1, constitute the three types of breakbulk cargo which may be required during the operation.

As each lighter containing one type of breakbulk cargo arrives at the beach, it is unloaded by a forklift, and the cargo is loaded onto a flatbed truck. The next operation depends on the type of cargo and the completion status of the inland dump areas.

If neither the LSA nor the ASP has been completed, the truckload of cargo proceeds to the BSA. The truck is then unloaded by a forklift which moves the cargo to storage.

If the LSA has been completed, and if the cargo is type 1 or type 2, the truckload of cargo proceeds to the LSA. The truck is then unloaded by a forklift which moves the cargo to storage.

If the ASP has been completed, and if the cargo is type 3, a check is made to determine which of the four ASP's will accept the cargo for storage. First ASP 1 is checked to determine if it is full. If ASP 1 is not full, then it is selected to accept the cargo. If ASP 1 is full, then ASP 2 is similarly checked. If ASP 2 is full, then ASP 3 is checked for fullness. The first of the three preceding ASP's found to be not full is selected to receive the cargo. If the preceding three ASP's

are full, then the cargo will be delivered to ASP 4. After the selection of the appropriate ASP, the truckload of cargo proceeds there, and the cargo is unloaded by a forklift and moved to storage.

5.2.2 Delivery of Containerized Cargo

Cargo types 4, 5, 6, 7, 8, and 9 constitute the six types of containerized cargo which may be required during the operation.

As each lighter containing one type of containerized cargo arrives at the beach, it is unloaded by a container lift, and the cargo is loaded onto a flatbed truck. The next operation depends on the type of cargo and the completion status of the inland storage areas.

If neither the LSA nor the ASP has been completed, the truckload of cargo proceeds to the BSA. The truck is then unloaded by a container lift. If the cargo is type 4, 5, or 6, the container is unstuffed by the unstuffing equipment. A forklift then moves the unstuffed cargo to storage.

If the LSA has been completed and the cargo is type 4, 6, 7, or 9, the truckload of cargo proceeds to the LSA. The truck is then unloaded by a container lift. If the cargo is type 7 or type 9, the container is stored. If the cargo is type 4 or type 6, the container is unstuffed by the unstuffing equipment. A forklift then moves the unstuffed cargo to storage.

If the ASP has been completed and the cargo is type 5 or type 8, the truckload of cargo proceeds to the ASP. There the truck is unloaded by a container lift. If the cargo is type 8, the container is stored. If the cargo is type 5, the container is unstuffed by the unstuffing equipment. A forklift then moves the unstuffed cargo to storage.

5.2.3 Delivery of Square and Outsized Cargo

Cargo types 10 and 11 constitute the two types of square cargo, and cargo type 13 the one type of outsized cargo, which may be required during the operation. What happens after a lighter arrives at the beach with cargo type 10, 11, or 13 depends upon[#] the type of cargo and the completion status of the LSA.

If the cargo is type 10 and the LSA is completed, the cargo moves from the lighter to the LSA under its own power. If the LSA is not yet completed, the cargo moves under its own power from the lighter to the BSA.

If the cargo is type 11, it is first unloaded from the lighter by the towing equipment. If the LSA has been completed, the cargo is towed to the LSA. If the LSA has not yet been completed, the cargo is towed to the BSA.

If the cargo is type 13, the cargo is unloaded from the lighter by a crane and loaded onto a flatbed truck. If the LSA has been completed, the truck moves to the LSA where the cargo is offloaded by a crane. If the LSA has not yet been completed, the truck proceeds to the BSA where it is unloaded by a crane.

6.0 THE ALSA SIMULATION MODEL

The ALSA simulation model is a computer program which implements the construction description in Section 4.0 and the cargo delivery description in Section 5.0. It is written in the GPSS (General Purpose Simulation System) language, which is designed to reproduce the dynamic behavior of systems in which changes of state occur at discrete points in time.

A program listing of the ALSA model is contained in Appendix A of this report. This listing may be regarded as a specific sample run, since the input data to the program, which determine the uniqueness of a given run, are imbedded in the program and therefore appear in the listing.

The ALSA model is currently operational on the CDC 6700 computer at DTNSRDC.

7.0 INPUT TO ALSA MODEL

The ALSA model embodies a number of parameters which may be changed from run to run in order to examine the effects of differing conditions under which the basic scenario may be simulated.

7.1 CONSTRUCTION MATRIX AAA

Data required for the simulation of the construction part of the model are found primarily in matrix AAA, whose elements are defined as follows:

<u>Element</u>	<u>Definition</u>
AAA(2,1)	Area cleared for BSA Roads (sq ft)
AAA(2,2)	Rate at which one bulldozer clears BSA Roads (sq ft/min)
AAA(2,3)	Number of bulldozers used to clear BSA Roads
AAA(3,1)	Area cleared for BSA Dump 1 (sq ft)
AAA(3,2)	Rate at which one bulldozer clears BSA Dump 1 (sq ft/min)
AAA(3,3)	Number of bulldozers used to clear BSA Dump 1
AAA(4,1)	Area cleared for BSA Dump 2 (sq ft)
AAA(4,2)	Rate at which one bulldozer clears BSA Dump 2 (sq ft/min)
AAA(4,3)	Number of bulldozers used to clear BSA Dump 2
AAA(5,1)	Area cleared for BSA Dump 3 (sq ft)
AAA(5,2)	Rate at which one bulldozer clears BSA Dump 3 (sq ft/min)
AAA(5,3)	Number of bulldozers used to clear BSA Dump 3
AAA(6,1)	Area cleared for BSA Dump 4 (sq ft)
AAA(6,2)	Rate at which one bulldozer clears BSA Dump 4 (sq ft/min)
AAA(6,3)	Number of bulldozers used to clear BSA Dump 4
AAA(7,1)	Area involved in depositing material for berms at BSA Dump 1 (sq ft)

<u>Element</u>	<u>Definition</u>
AAA(7,2)	Rate at which one scraper deposits material for berms at BSA Dump 1 (sq ft/min)
AAA(7,3)	Number of scrapers used to deposit material for berms at BSA Dump 1
AAA(8,1)	Area involved in piling earth and shaping berms for BSA Dump 1 (sq ft)
AAA(8,2)	Rate at which one scoop loader piles earth and shapes berms for BSA Dump 1 (sq ft/min)
AAA(8,3)	Number of scoop loaders used to pile earth and shape berms for BSA Dump 1
AAA(9,1)	Area stripped for BSA Roads (sq ft)
AAA(9,2)	Rate at which one scraper strips BSA Roads (sq ft/min)
AAA(9,3)	Number of scrapers used to strip BSA Roads
AAA(10,1)	Area filled for subsurface of BSA Roads (sq ft)
AAA(10,2)	Rate at which one dump truck accomplishes subsurface filling of BSA Roads (sq ft/min)
AAA(10,3)	Number of dump trucks used to accomplish subsurface filling of BSA Roads
AAA(11,1)	Area compacted for subsurface of BSA Roads (sq ft)
AAA(11,2)	Rate at which one roller does subsurface compacting of BSA Roads (sq ft/min)
AAA(11,3)	Number of rollers used for subsurface compacting of BSA Roads
AAA(12,1)	Area graded for BSA Roads (sq ft)
AAA(12,2)	Rate at which one grader grades BSA Roads (sq ft/min)
AAA(12,3)	Number of graders used to grade BSA Roads
AAA(13,1)	Area filled for surface of BSA Roads (sq ft)
AAA(13,2)	Rate at which one dump truck does surface filling of BSA Roads (sq ft/min)

<u>Element</u>	<u>Definition</u>
AAA(13,3)	Number of dump trucks used for surface filling of BSA Roads
AAA(14,1)	Area compacted for surface of BSA Roads (sq ft)
AAA(14,2)	Rate at which one roller does surface compacting of BSA Roads (sq ft/min)
AAA(14,3)	Number of rollers used for surface compacting of BSA Roads
AAA(16,1)	Area cleared for Temporary MSR 1 (sq ft)
AAA(16,2)	Rate at which one bulldozer clears Temporary MSR 1 (sq ft/min)
AAA(16,3)	Number of bulldozers used to clear Temporary MSR 1
AAA(17,1)	Area cleared for Temporary MSR 2 (sq ft)
AAA(17,2)	Rate at which one bulldozer clears Temporary MSR 2 (sq ft/min)
AAA(17,3)	Number of bulldozers used to clear Temporary MSR 2
AAA(18,1)	Area cleared for Temporary MSR 3 (sq ft)
AAA(18,2)	Rate at which one bulldozer clears Temporary MSR 3 (sq ft/min)
AAA(18,3)	Number of bulldozers used to clear Temporary MSR 3
AAA(19,1)	Area cleared for Temporary MSR 4 (sq ft)
AAA(19,2)	Rate at which one bulldozer clears Temporary MSR 4 (sq ft./min)
AAA(19,3)	Number of bulldozers used to clear Temporary MSR 4
AAA(28,1)	Area stripped for Permanent MSR 1 (sq ft)
AAA(28,2)	Rate at which one scraper strips Permanent MSR 1 (sq ft/min)
AAA(28,3)	Number of scrapers used to strip Permanent MSR 1

<u>Element</u>	<u>Definition</u>
AAA(29,1)	Area stripped for Permanent MSR 2 (sq ft)
AAA(29,2)	Rate at which one scraper strips Permanent MSR 2 (sq ft/min)
AAA(29,3)	Number of scrapers used to strip Permanent MSR 2
AAA(30,1)	Area stripped for Permanent MSR 3 (sq ft)
AAA(30,2)	Rate at which one scraper strips Permanent MSR 3 (sq ft/min)
AAA(30,3)	Number of scrapers used to strip Permanent MSR 3
AAA(31,1)	Area stripped for Permanent MSR 4 (sq ft)
AAA(31,2)	Rate at which one scraper strips Permanent MSR 4 (sq ft/min)
AAA(31,3)	Number of scrapers used to strip Permanent MSR 4
AAA(32,1)	Area compacted for Permanent MSR 1 (sq ft)
AAA(32,2)	Rate at which one roller compacts Permanent MSR 1 (sq ft/min)
AAA(32,3)	Number of rollers used to compact Permanent MSR 1
AAA(33,1)	Area compacted for Permanent MSR 2 (sq ft)
AAA(33,2)	Rate at which one roller compacts Permanent MSR 2 (sq ft/min)
AAA(33,3)	Number of rollers used to compact Permanent MSR 2
AAA(34,1)	Area compacted for Permanent MSR 3 (sq ft)
AAA(34,2)	Rate at which one roller compacts Permanent MSR 3 (sq ft/min)
AAA(34,3)	Number of rollers used to compact Permanent MSR 3
AAA(35,1)	Area compacted for Permanent MSR 4 (sq ft/min)
AAA(35,2)	Rate at which one roller compacts Permanent MSR 4 (sq ft/min)

<u>Element</u>	<u>Definition</u>
AAA(35,3)	Number of rollers used to compact Permanent MSR 4
AAA(36,1)	Area graded for Permanent MSR 1 (sq ft)
AAA(36,2)	Rate at which one grader grades Permanent MSR 1 (sq ft/min)
AAA(36,3)	Number of graders used to grade Permanent MSR 1
AAA(37,1)	Area graded for Permanent MSR 2 (sq ft)
AAA(37,2)	Rate at which one grader grades Permanent MSR 2 (sq ft/min)
AAA(37,3)	Number of graders used to grade Permanent MSR 2
AAA(38,1)	Area graded for Permanent MSR 3 (sq ft)
AAA(38,2)	Rate at which one grader grades Permanent MSR 3 (sq ft/min)
AAA(38,3)	Number of graders used to grade Permanent MSR 3
AAA(39,1)	Area graded for Permanent MSR 4 (sq ft)
AAA(39,2)	Rate at which one grader grades Permanent MSR 4 (sq ft/min)
AAA(39,3)	Number of graders used to grade Permanent MSR 4
AAA(40,1)	Area surfaced for Permanent MSR 4 (sq ft)
AAA(40,2)	Rate at which one surfacer surfaces Permanent MSR 1 (sq ft/min)
AAA(40,3)	Number of surfacers used to surface Permanent MSR 1
AAA(41,1)	Area surfaced for Permanent MSR 2 (sq ft)
AAA(41,2)	Rate at which one surfacer surfaces Permanent MSR 2 (sq ft/min)
AAA(41,3)	Number of surfacers used to surface Permanent MSR 2
AAA(42,1)	Area cleared for LSA Storage Area 1 (sq ft)

<u>Element</u>	<u>Definition</u>
AAA(42,1)	Area cleared for LSA Storage Area 1 (sq ft)
AAA(42,2)	Rate at which one bulldozer clears LSA Storage Area 1 (sq ft/min)
AAA(42,3)	Number of bulldozers used to clear LSA Storage Area 1
AAA(43,1)	Area cleared for LSA Storage Area 2 (sq ft)
AAA(43,2)	Rate at which one bulldozer clears LSA Storage Area 2 (sq ft/min)
AAA(43,3)	Number of bulldozers used to clear LSA Storage Area 2
AAA(44,1)	Area cleared for LSA Storage Area 3 (sq ft)
AAA(44,2)	Rate at which one bulldozer clears LSA Storage Area 3 (sq ft/min)
AAA(44,3)	Number of bulldozers used to clear LSA Storage Area 3
AAA(45,1)	Area cleared for LSA Unstuffing Area (sq ft)
AAA(45,2)	Rate at which one bulldozer clears LSA Unstuffing Area (sq ft/min)
AAA(45,3)	Number of bulldozers used to clear LSA Unstuffing Area
AAA(46,1)	Area cleared for LSA Truck Loading Area (sq ft)
AAA(46,2)	Rate at which one bulldozer clears LSA Truck Loading Area (sq ft/min)
AAA(46,3)	Number of bulldozers used to clear LSA Truck Loading Area
AAA(47,1)	Area cleared for LSA Pallet Staging Area (sq ft)
AAA(47,2)	Rate at which one bulldozer clears LSA Pallet Staging Area (sq ft/min)
AAA(47,3)	Number of bulldozers used to clear LSA Pallet Staging Area
AAA(48,1)	Area cleared for LSA Administrative Area (sq ft)
AAA(48,2)	Rate at which one bulldozer clears LSA Administrative Area (sq ft/min)

<u>Element</u>	<u>Definition</u>
AAA(48,3)	Number of bulldozers used to clear LSA Administrative Area
AAA(49,1)	Area stripped for LSA Storage Area 1 (sq ft)
AAA(49,2)	Rate at which one scraper strips LSA Storage Area 1 (sq ft/min)
AAA(49,3)	Number of scrapers used to strip LSA Storage Area 1
AAA(50,1)	Area stripped for LSA Storage Area 2 (sq ft)
AAA(50,2)	Rate at which one scraper strips LSA Storage Area 2 (sq ft/min)
AAA(50,3)	Number of scrapers used to strip LSA Storage Area 2
AAA(51,1)	Area stripped for LSA Storage Area 3 (sq ft)
AAA(51,2)	Rate at which one scraper strips LSA Storage area 3 (sq ft/min)
AAA(51,3)	Number of scrapers used to strip LSA Storage Area 3
AAA(52,1)	Area stripped for LSA Unstuffing Area (sq ft)
AAA(52,2)	Rate at which one scraper strips LSA Unstuffing Area (sq ft/min)
AAA(52,3)	Number of scrapers used to strip LSA Unstuffing Area
AAA(53,1)	Area stripped for LSA Administrative Area (sq ft)
AAA(53,2)	Rate at which one scraper strips LSA Administrative Area (sq ft/min)
AAA(53,3)	Number of scrapers used to strip LSA Administrative Area
AAA(54,1)	Area filled for LSA Storage Area 1 (sq ft)
AAA(54,2)	Rate at which one dump truck fills LSA Storage Area 1 (sq ft/min)
AAA(54,3)	Number of dump trucks used to fill LSA Storage Area 1
AAA(55,1)	Area filled for LSA Storage Area 2 (sq ft)

<u>Element</u>	<u>Definition</u>
AAA(55,2)	Rate at which one dump truck fills LSA Storage Area 2 (sq ft/min)
AAA(55,3)	Number of dump trucks used to fill LSA Storage Area 2
AAA(56,1)	Area filled for LSA Storage Area 3 (sq ft)
AAA(56,2)	Rate at which one dump truck fills LSA Storage Area 3 (sq ft/min)
AAA(56,3)	Number of dump trucks used to fill LSA Storage Area 3
AAA(57,1)	Area filled for LSA Unstuffing Area (sq ft)
AAA(57,2)	Rate at which one dump truck fills LSA Unstuffing Area (sq ft/min)
AAA(57,3)	Number of dump trucks used to fill LSA Unstuffing Area
AAA(58,1)	Area filled for LSA Truck Loading Area (sq ft)
AAA(58,2)	Rate at which one dump truck fills LSA Truck Loading Area (sq ft/min)
AAA(58,3)	Number of dump trucks used to fill LSA Truck Loading Area
AAA(59,1)	Area filled for LSA Administrative Area (sq ft)
AAA(59,2)	Rate at which one dump truck fills LSA Administrative Area (sq ft/min)
AAA(59,3)	Number of dump trucks used to fill LSA Administrative Area
AAA(60,1)	Area compacted for LSA Storage Area 1 (sq ft)
AAA(60,2)	Rate at which one roller compacts LSA Storage Area 1 (sq ft/min)
AAA(60,3)	Number of rollers used to compact LSA Storage Area 1
AAA(61,1)	Area compacted for LSA Storage Area 2 (sq ft)
AAA(61,2)	Rate at which one roller compacts LSA Storage Area 2 (sq ft/min)
AAA(61,3)	Number of rollers used to compact LSA Storage Area 2

<u>Element</u>	<u>Definition</u>
AAA(62,1)	Area compacted for LSA Storage Area 3 (sq ft)
AAA(62,2)	Rate at which one roller compacts LSA Storage Area 3 (sq ft/min)
AAA(62,3)	Number of rollers used to compact LSA Storage area 3
AAA(63,1)	Area compacted for LSA Unstuffing Area (sq ft)
AAA(63,2)	Rate at which one roller compacts LSA Unstuffing Area (sq ft/min)
AAA(63,3)	Number of rollers used to compact LSA Unstuffing Area
AAA(64,1)	Area compacted for LSA Truck Loading Area (sq ft)
AAA(64,2)	Rate at which one roller compacts LSA Truck Loading Area (sq ft/min)
AAA(64,3)	Number of rollers used to compact LSA Truck Loading Area
AAA(65,1)	Area compacted for LSA Administrative Area (sq ft)
AAA(65,2)	Rate at which one roller compacts LSA Administrative Area (sq ft/min)
AAA(65,3)	Number of rollers used to compact LSA Administrative Area
AAA(66,1)	Area graded for LSA Storage Area 1 (sq ft)
AAA(66,2)	Rate at which one grader grades LSA Storage Area 1 (sq ft/min)
AAA(66,3)	Number of graders used to grade LSA Storage Area 1
AAA(67,1)	Area graded for LSA Storage Area 2 (sq ft)
AAA(67,2)	Rate at which one grader grades LSA Storage Area 2 (sq ft/min)
AAA(67,3)	Number of graders used to grade LSA Storage Area 2
AAA(68,1)	Area graded for LSA Storage Area 3 (sq ft)
AAA(68,2)	Rate at which one grader grades LSA Storage Area 3 (sq ft/min)

<u>Element</u>	<u>Definition</u>
AAA(68,3)	Number of graders used to grade LSA Storage Area 3
AAA(69,1)	Area graded for LSA Unstuffing Area (sq ft)
AAA(69,2)	Rate at which one grader grades LSA Unstuffing Area (sq ft/min)
AAA(69,3)	Number of graders used to grade LSA Unstuffing Area
AAA(70,1)	Area graded for LSA Truck Loading Area (sq ft)
AAA(70,2)	Rate at which one grader grades LSA Truck Loading Area (sq ft/min)
AAA(70,3)	Number of graders used to grade LSA Pallet Staging Area
AAA(71,1)	Area graded for LSA Pallet Staging Area (sq ft)
AAA(71,2)	Rate at which one grader grades LSA Pallet Staging Area (sq ft/min)
AAA(71,3)	Number of graders used to grade LSA Pallet Staging Area
AAA(72,1)	Area graded for LSA Administrative Pallet Staging Area
AAA(72,2)	Rate at which one grader grades LSA Administrative Area (sq ft/min)
AAA(72,3)	Number of graders used to grade LSA Administrative Area
AAA(73,1)	Area surfaced for LSA Storage Area 1 (sq ft)
AAA(73,2)	Rate at which one surfacer surfaces LSA Storage Area 1 (sq ft/min)
AAA(73,3)	Number of surfacers used to surface LSA Storage Area 1
AAA(74,1)	Area to be surfaced for LSA Storage Area 2 (sq ft)
AAA(74,2)	Rate at which one surfacer surfaces LSA Storage Area 2 (sq ft/min)
AAA(74,3)	Number of surfacers used to surface LSA Storage Area 2
AAA(75,1)	Area surfaced for LSA Storage Area 3 (sq ft)

<u>Element</u>	<u>Definition</u>
AAA(75,2)	Rate at which one surfacer surfaces LSA Storage Area 3 (sq ft/min)
AAA(75,3)	Number of surfacers used to surface LSA Storage Area 3
AAA(76,1)	Area surfaced for LSA Unstuffing Area (sq ft)
AAA(76,2)	Rate at which one surfacer surfaces LSA Unstuffing Area (sq ft/min)
AAA(76,3)	Number of surfacers used to surface LSA Unstuffing Area
AAA(77,1)	Area cleared for ASP Road A1 (sq ft)
AAA(77,2)	Rate at which one bulldozers clears ASP Road A1 (sq ft/min)
AAA(77,3)	Number of bulldozers used to clear ASP Road A1
AAA(78,1)	Area cleared for ASP Road A2 (sq ft)
AAA(78,2)	Rate at which one bulldozer clears ASP Road A2 (sq ft/min)
AAA(78,3)	Number of bulldozers used to clear ASP Road A2
AAA(79,1)	Area cleared for ASP Road A3 (sq ft)
AAA(79,2)	Rate at which one bulldozer clears ASP Road A3 (sq ft/min)
AAA(79,3)	Number of bulldozers used to clear ASP Road A3
AAA(80,1)	Area cleared for ASP Road A4 (sq ft)
AAA(80,2)	Rate at which one bulldozer clears ASP Road A4 (sq ft/min)
AAA(80,3)	Number of bulldozers used to clear ASP Road A4
AAA(81,1)	Area cleared for ASP Revetment A1 (sq ft)
AAA(81,2)	Rate at which one bulldozer clears ASP Revetment A1 (sq ft/min)
AAA(81,3)	Number of bulldozers used to clear ASP Revetment A1
AAA(82,1)	Area cleared for ASP Revetment A2 (sq ft)
AAA(82,2)	Rate at which one bulldozer clears ASP Revetment A2 (sq ft/min)

<u>Element</u>	<u>Definition</u>
AAA(82,3)	Number of bulldozers used to clear ASP Revetment A2
AAA(83,1)	Area cleared for ASP Revetment A3 (sq ft)
AAA(83,2)	Rate at which one bulldozer clears ASP Revetment A3 (sq ft/min)
AAA(83,3)	Number of bulldozers used to clear ASP Revetment A3
AAA(84,1)	Area cleared for ASP Revetment A4 (sq ft)
AAA(84,2)	Rate at which one bulldozer clears ASP Revetment A4 (sq ft/min)
AAA(84,3)	Number of bulldozers used to clear ASP Revetment A4
AAA(85,1)	Area cleared for ASP Perimeter (sq ft)
AAA(85,2)	Rate at which one bulldozer clears ASP Perimeter (sq ft/min)
AAA(85,3)	Number of bulldozers used to clear ASP Perimeter
AAA(86,1)	Area involved in depositing material for berms on ASP Revetment A1 (sq ft)
AAA(86,2)	Rate at which one scraper deposits material for berms on ASP Revetment A1 (sq ft/min)
AAA(86,3)	Number of scrapers used to deposit material for berms on ASP Revetment A1
AAA(87,1)	Area involved in depositing material for berms on ASP Revetment A2 (sq ft)
AAA(87,2)	Rate at which one scraper deposits material for berms on ASP Revetment A2 (sq ft/min)
AAA(87,3)	Number of scrapers used to deposit material for berms on ASP Revetment A2
AAA(88,1)	Area involved in depositing material for berms on ASP Revetment A3 (sq ft)
AAA(88,2)	Rate at which one scraper deposits material for berms on ASP Revetment A3 (sq ft)/min)
AAA(88,3)	Number of scrapers used to deposit material for ASP Revetment A3

<u>Element</u>	<u>Definition</u>
AAA(89,1)	Area involved in depositing material for berms on ASP Revetment A4 (sq ft)
AAA(89,2)	Rate at which one scraper deposits material for berms on ASP Revetment A4 (sq ft/min)
AAA(89,3)	Number of scrapers used to deposit material for berms on ASP Revetment A4
AAA(90,1)	Area involved in piling earth at berms for ASP Revetment A1 (sq ft)
AAA(90,2)	Rate at which one scoop loader piles earth at berms for ASP Revetment A1 (sq ft/min)
AAA(90,3)	Number of scoop loaders used to pile earth at berms for ASP Revetment A1
AAA(91,1)	Area involved in piling earth at berms for ASP Revetment A2 (sq ft)
AAA(91,2)	Rate at which one scoop loader piles earth at berms for ASP Revetment A2 (sq ft/min)
AAA(91,3)	Number of scoop loaders used to pile earth at berms for ASP Revetment A2
AAA(92,1)	Area involved in piling earth at berms for ASP Revetment A3 (sq ft)
AAA(92,2)	Rate at which one scoop loader piles earth at berms for ASP Revetment A3 (sq ft/min)
AAA(92,3)	Number of scoop loaders used to pile earth at berms for ASP Revetment A3
AAA(93,1)	Area involved in piling earth at berms for ASP Revetment A4 (sq ft)
AAA(93,2)	Rate at which one scoop loader piles earth at berms for ASP Revetment A4 (sq ft/min)
AAA(93,3)	Number of scoop loaders used to pile earth at berms for ASP Revetment A4
AAA(94,1)	Area involved in shaping berms for ASP Revetment A1 (sq ft)
AAA(94,2)	Rate at which one grader shapes berms for ASP Revetment A1 (sq ft/min)
AAA(94,3)	Number of graders used to shape berms for ASP Revetment A1

<u>Element</u>	<u>Definition</u>
AAA(95,1)	Area involved in shaping berms for ASP Revetment A2 (sq ft)
AAA(95,2)	Rate at which one grader shapes berms for ASP Revetment A2 (sq ft/min)
AAA(95,3)	Number of graders used to shape berms for ASP Revetment A2
AAA(96,1)	Area involved in shaping berms for ASP Revetment A3 (sq ft)
AAA(96,2)	Rate at which one grader shapes berms for ASP Revetment A3 (sq ft/min)
AAA(96,3)	Number of graders used to shape berms for ASP Revetment A3
AAA(97,1)	Area involved in shaping berms for ASP Revetment A4 (sq ft)
AAA(97,2)	Rate at which one grader shapes berms for ASP Revetment A4 (sq ft/min)
AAA(97,3)	Number of graders used to shape berms for ASP Revetment A4
AAA(98,1)	Area compacted for ASP Road A1 (sq ft)
AAA(98,2)	Rate at which one roller compacts ASP Road A1 (sq ft/min)
AAA(98,3)	Number of rollers used to compact ASP Road A1
AAA(99,1)	Area compacted for ASP Road A2 (sq ft)
AAA(99,2)	Rate at which one roller compacts ASP Road A2 (sq ft/min)
AAA(99,3)	Number of rollers used to compact ASP Road A2
AAA(100,1)	Area compacted for ASP Road A3 (sq ft)
AAA(100,2)	Rate at which one roller compacts ASP Road A3 (sq ft/min)
AAA(100,3)	Number of rollers used to compact ASP Road A3
AAA(101,1)	Area compacted for ASP Road A4 (sq ft)
AAA(101,2)	Rate at which one roller compacts ASP Road A4 (sq ft/min)
AAA(101,3)	Number of rollers used to compact ASP Road A4
AAA(101,1)	Area graded for ASP Road A1 (sq ft)

<u>Element</u>	<u>Definition</u>
AAA(102,2)	Rate at which one grader grades ASP Road A1 (sq ft/min)
AAA(102,3)	Number of graders used to grade ASP Road A1
AAA(103,1)	Area graded for ASP Road A2 (sq ft)
AAA(103,2)	Rate at which one grader grades ASP Road A2 (sq ft/min)
AAA(103,3)	Number of graders used to grade ASP Road A2
AAA(104,1)	Area graded for ASP Road A3 (sq ft)
AAA(104,2)	Rate at which one grader grades ASP Road A3 (sq ft/min)
AAA(104,3)	Number of graders used to grade ASP Road A3
AAA(105,1)	Area graded for ASP Road A4 (sq ft)
AAA(105,2)	Rate at which one grader grades ASP Road A4 (sq ft/min)
AAA(105,3)	Number of graders used to grade ASP Road A4
AAA(106,1)	Area stripped for ASP Road A1 (sq ft)
AAA(106,2)	Rate at which one scraper strips ASP Road A1 (sq ft/min)
AAA(106,3)	Number of scrapers used to strip ASP Road A1
AAA(107,1)	Area stripped for ASP Road A2 (sq ft)
AAA(107,2)	Rate at which one scraper strips ASP Road A2 (sq ft/min)
AAA(107,3)	Number of scrapers used to strip ASP Road A2
AAA(108,1)	Area stripped for ASP Road A3 (sq ft)
AAA(108,2)	Rate at which one scraper strips ASP Road A3 (sq ft/min)
AAA(108,3)	Number of scrapers used to strip ASP Road A3
AAA(109,1)	Area stripped for ASP Road A4 (sq ft)
AAA(109,2)	Rate at which one scraper strips ASP Road A4 (sq ft/min)
AAA(109,3)	Number of scrapers used to strip ASP Road A4

<u>Element</u>	<u>Definition</u>
AAA(110,1)	Area cleared for AAFS1 (sq ft)
AAA(110,2)	Rate at which one bulldozer clears AAFS1 (sq ft/min)
AAA(110,3)	Number of bulldozers used to clear AAFS1
AAA(111,1)	Area cleared for AAFS2 (sq ft)
AAA(111,2)	Rate at which one bulldozer clears AAFS2 (sq ft/min)
AAA(111,3)	Number of bulldozers used to clears AAFS2
AAA(112,1)	Area cleared for AAFS3 (sq ft)
AAA(112,2)	Rate at which one bulldozer clears AAFS3 (sq ft/min)
AAA(112,3)	Number of bulldozers used to clear AAFS3
AAA(113,1)	Area cleared for AAFS4 (sq ft)
AAA(113,2)	Rate at which one bulldozer clears AAFS4 (sq ft/min)
AAA(113,3)	Number of bulldozers used to clear AAFS4
AAA(114,1)	Area graded for AAFS1 (sq ft)
AAA(114,2)	Rate at which one grader grades AAFS1 (sq ft/min)
AAA(114,3)	Number of graders used to grade AAFS1
AAA(115,1)	Area graded for AAFS2 (sq ft)
AAA(115,2)	Rate at which one grader grades AAFS2 (sq ft/min)
AAA(115,3)	Number of graders used to grade AAFS2
AAA (116,1)	Area graded for AAFS3 (sq ft)
AAA (116,2)	Rate at which one grader grades AAFS3 (sq ft/min)
AAA (116,3)	Number of graders used to grade AAFS3
AAA (117,1)	Area graded for AAFS4 (sq ft)
AAA (117, 2)	Rate at which one grader grades AAFS3 (sq ft/min)
AAA (117,3)	Number of graders used to grade AAFS4

<u>Element</u>	<u>Definition</u>
AAA(118,1)	Area involved in depositing material for AAFS Berm 1 (sq ft)
AAA(118,2)	Rate at which one scraper deposits material for AAFS Berm 1 (sq ft/min)
AAA(118,3)	Number of scrapers used to deposit material for AAFS Berm 1
AAA(119,1)	Area involved in depositing material for AAFS Berm 2 (sq ft)
AAA(119,2)	Rate at which one scraper deposits material for AAFS Berm 2 (sq ft/min)
AAA(119,3)	Number of scrapers used to deposit material for AAFS Berm 2
AAA(120,1)	Area involved in depositing material for AAFS Berm 3 (sq ft)
AAA(120,2)	Rate at which one scraper deposits material for AAFS Berm 3 (sq ft/min)
AAA(120,3)	Number of scrapers used to deposit material for AAFS Berm 3
AAA(121,1)	Area involved in depositing material for AAFS Berm 4 (sq ft)
AAA(121,2)	Rate at which one scraper deposits material for AAFS Berm 4 (sq ft/min)
AAA(121,3)	Number of scrapers used to deposit material for AAFS Berm 4
AAA(122,1)	Area involved in piling earth at AAFS Berm 1 (sq ft)
AAA(122,2)	Rate at which one scoop loader piles earth at AAFS Berm 1 (sq ft/min)
AAA(122,3)	Number of scoop loaders used to pile earth at AAFS Berm 1
AAA(123,1)	Area involved in piling earth at AAFS Berm 2 (sq ft)
AAA(123,2)	Rate at which one scoop loader piles earth at AAFS Berm 2 (sq ft/min)
AAA(123,3)	Number of scoop loaders used to pile earth at AAFS Berm 2
AAA(124,1)	Area involved in piling earth at AAFS Berm 3 (sq ft)
AAA(124,2)	Rate at which one scoop loader piles earth at AAFS Berm 3 (sq ft/min)

<u>Element</u>	<u>Definition</u>
AAA(124,3)	Number of scoop loaders used to pile earth at AAFS Berm 3
AAA(125,1)	Area involved in piling earth at AAFS Berm 4 (sq ft)
AAA(125,2)	Rate at which one scoop loader piles earth at AAFS Berm 4 (sq ft/min)
AAA(125,3)	Number of scoop loaders used to pile earth at AAFS Berm 4
AAA(126,1)	Area involved in shaping AAFS Berm 1 (sq ft)
AAA(126,2)	Rate at which one grader shapes AAFS Berm 1 (sq ft/min)
AAA(126,3)	Number of graders used to shape AAFS Berm 1
AAA(127,1)	Area involved in shaping AAFS Berm 2 (sq ft)
AAA(127,2)	Rate at which one grader shapes AAFS Berm 2 (sq ft/min)
AAA(127,3)	Number of graders used to shape AAFS Berm 2
AAA(128,1)	Area involved in shaping AAFS Berm 3 (sq ft)
AAA(128,2)	Rate at which one grader shapes AAFS Berm 3 (sq ft/min)
AAA(128,3)	Number of graders used to shape AAFS Berm 3
AAA(129,1)	Area involved in shaping AAFS Berm 4 (sq ft)
AAA(129,2)	Rate at which one grader shapes AAFS Berm 4 (sq ft/min)
AAA(129,3)	Number of graders used to shape AAFS Berm 4

7.2 CARGO GENERATION DATA

Data must be supplied to the model to specify, for each type of cargo delivered ashore, the time at which delivery starts, the total number of lighters, the time interval between the arrivals of lighters at the shoreline, and the number of cargo units aboard each lighter. The data defined in this section supply such information.

<u>Variable</u>	<u>Definition</u>
AECI1 (I = 1-9)	Delivery interval (min) for cargo type I for the Assault Echelon Initial Supply
AECI2 (I = 1-9)	Time delivery starts (min) for cargo type I for the Assault Echelon Initial Supply
AECI3 (I = 1-9)	Total number of lighter deliveries for cargo type I for the Assault Echelon Initial Supply
AECI4 (I = 1-9)	Number of units per lighter for cargo type I for the Assault Echelon Initial Supply
AFEI1 (I = 1-9)	Delivery interval (min) for cargo type I for the Assault Follow-On Echelon Initial Supply
AFCI2 (I = 1-9)	Time delivery starts (min) for cargo Type I for the Assault Follow-On Echelon Initial Supply
AFEI3 (I = 1-9)	Total number of lighter deliveries for cargo type I for the Assault Follow-on Echelon Initial Supply
AFEI4 (I = 1-9)	Number of units per lighter for cargo type I for the Assault Follow-On Echelon Initial Supply
FRMI1 (I = 1-9)	Delivery interval (min) for cargo type I for the Force Resupply For Mission Duration
FRMA1	Delivery interval (min) for cargo type 10 for the Force Resupply For Mission Duration
FRMB1	Delivery interval (min) for cargo type 11 for the Force Resupply For Mission Duration
FRMD1	Delivery interval (min) for cargo type 13 for the Force Resupply For Mission Duration
FRMI2 (I = 1-9)	Time delivery starts (min) for cargo type I for the Force Resupply For Mission Duration
FRMA2	Time delivery starts (min) for cargo type 10 for Force Resupply For Mission Duration

<u>Element</u>	<u>Description</u>
FRMB2	Time delivery starts (min) for cargo type 11 for Force Resupply For Mission Duration
FRMD2	Time delivery starts (min) for cargo type 13 for Force Resupply For Mission Duration
FRMI3 (I = 1-9)	Total number of lighter deliveries for cargo type I for Force Resupply For Mission Duration
FRMA3	Total number of lighter deliveries for cargo type 10 for Force Resupply For Mission Duration
FRMB3	Total number of lighter deliveries for cargo type 11 for Force Resupply For Mission Duration
FRMD3	Total number of lighter deliveries for Cargo type 11 for Force Resupply For Mission Duration
FRMI4 (I = 1-9)	Number of cargo units per lighter for Force Resupply For Mission Duration
FRMA4	Number of cargo units per lighter for cargo type 10 for Force Resupply For Mission Duration
FRMB4	Number of cargo units per lighter for cargo type 11 for Force Resupply For Mission Duration
FRMD4	Number of cargo units per lighter for cargo type 13 for Force Resupply For Mission Duration

7.3 INPUT MATRIX CCC

Matrix CCC contains input data relating primarily to the cargo handling and transportation operations which occur in the ALSA simulation. There is also a limited amount of data in matrix CCC which relates to the construction phase of the operation. All references in matrix CCC to cargo handling equipment are made by the use of numbers which refer to specific types of equipment (See Table 3). All references in matrix CCC to specific types of cargo are made by numbers (See Table 2). The elements of matrix CCC and their corresponding descriptions are defined as follows:

TABLE 3 - TYPES OF CARGO HANDLING EQUIPMENT

TYPE NO.	DESCRIPTION
8	Cranes at AAFS
10	Towing equipment
11	Beach forklift for general cargo
12	Beach forklift for POL
13	Beach forklift for ammo
14	BSA forklift for general cargo
15	BSA forklift for POL
16	BSA forklift for ammo
17	Flatbed trucks
18	LSA forklift for general cargo
19	LSA forklift for POL
20	ASP 1 forklift for ammo
21	Beach container lift
22	BSA container lift
23	BSA unstuffing equipment
24	LSA container lift
25	LSA unstuffing equipment
26	ASP container lift
27	ASP unstuffing equipment
28	Cranes at beach
29	Cranes at BSA
30	Cranes at LSA
31	ASP 2 forklift for ammo
32	ASP 3 forklift for ammo
33	ASP 4 forklift for ammo
34	Flatbed trucks for break bulk cargo
35	Flatbed trucks for containerized cargo

<u>Element</u>	<u>Description</u>
CCC(7,I) (I = 1-3)	Type number of beach forklift used to unload lighter of cargo type I and load cargo type I onto truck
CCC(7,I) (I = 4-9)	Type number of container lift used to unload lighter of cargo type I and load cargo type I onto truck
CCC(8,I) (I = 1-3)	Number of beach forklifts of type number CCC(7,I) used to unload lighter of cargo type I and load cargo type I onto truck
CCC(8,I) (I = 4-9)	Number of container lifts of type number CCC(7,I) used to unload lighter of cargo type I and load cargo type I onto truck
CCC(9,I) (I = 1-3)	Number of units/hour of cargo type I that forklift type number CCC(7,I) can transfer from lighter to truck
CCC(9,I) (I = 4-9)	Number of containers/hour of cargo type I that container lift type number CCC(7,I) can transfer from lighter to truck
CCC(10,I) (I = 1-3)	Number of units of cargo type I that one truck can carry
CCC(10,I) (I = 4-9)	Number of containers of cargo type I that that one truck can carry
CCC(11,I) (I = 1-9)	Speed (ft/min) of truck carrying cargo type I from beach to BSA
CCC(12,I) (I = 1-3)	Type number of forklift used at BSA to unload cargo type I from truck
CCC(12,I) (I = 4-9)	Type number of BSA container lift used to unload cargo type I from truck
CCC(13,I) (I = 1-3)	Number of BSA forklifts of type number CCC(12,I) used to unload cargo type I from one truck
CCC(13,I) (I = 4-9)	Number of container lifts of type number CCC(12,I) used to unload one truck with cargo type I at BSA
CCC(13,10)	Unloading rate from lighter (units/hour) for cargo type 10
CCC(13,12)	Distance (ft) from LSA to BSA
CCC(13,13)	Distance (ft) from ASP to BSA
CCC(14,I) (I = 1-3)	Number of units/hour of cargo type I that BSA forklift type number CCC(12,1) can unload from truck

<u>Element</u>	<u>Description</u>
CCC(14,I) I = 4-9	Number of containers/hour that BSA container lift type number CCC(12,I) can unload from truck
CCC(14,11)	Distance (ft) from beach to LSA
CCC(14,12)	Distance (ft) from beach to BSA
CCC(14,13)	Distance (ft) from beach to ASP
CCC(15,I) (I = 1-9)	Speed (ft/min) of truck returning to beach from BSA after delivering cargo type I
CCC(15,10)	Speed (ft/min) of cargo type 10
CCC(16,I) (I = 1-3)	Number of units/hour of cargo type I moved to storage by BSA forklift type number CCC(12,I)
CCC(16,I) (I = 4-6)	Type number of BSA unstuffing equipment used to unstuff cargo type I
CCC(16,11)	Type number of towing equipment used to tow type 11 cargo
CCC(17,I) (I = 1,2)	Speed (ft/min) of truck carrying cargo type I from beach to LSA
CCC(17,I) (I = 4-6)	Number of units of BSA unstuffing equipment type number CCC(16,I) used to unstuff one container of cargo type I
CCC(17,11)	Unloading rate (units/hour) for towing equipment type number CCC(16,11) when unloading type 11 cargo from lighter
CCC(18,I) (I = 1,2)	Type number of forklift used at LSA to unload cargo type I from truck
CCC(18,I) I = 4-6	Number of containers/hour of cargo type I that BSA unstuffing equipment type number CCC(16,I) can unstuff
CCC(18,11)	Speed (ft/min) of towing equipment type number CCC(16,11) when towing cargo type 11
CCC(19,I) (I = 1,2)	Number of LSA forklifts of type number CCC(18,I) used to unload cargo type I from one truck
CCC(19,I) (I = 4-6)	Type number of BSA forklift used to move and store unstuffed cargo type I
CCC(19,11)	Speed (ft/min) of towing equipment type number CCC(16,11) when moving without cargo in tow

<u>Element</u>	<u>Description</u>
CCC(20,I) (I = 1,2)	Number of units/hour of cargo type I that LSA forklift type number CCC(18,I) can unload from truck
CCC(20,I) (I = 4-6)	Number of BSA forklifts of type number CCC(19,I) used to move and store unstuffed cargo type I
CCC(20,7)	Delay time (in minutes) before starting permanent MSR construction
CCC(20,8)	Delay time (min) before starting LSA construction
CCC(20,9)	Delay time (min) before starting ASP construction
CCC(20,10)	Delay time (min) before starting AAFS construction
CCC(20,13)	Type number of crane used to unload cargo type 13 from lighter
CCC(21,I) (I = 1,2)	Speed (ft/min) of truck returning to beach from LSA after delivering cargo type I
CCC(21,I) (I = 4-6)	Number of units/hour of unstuffed cargo type I that BSA forklift type number CCC(19,I) can move to storage
CCC(21,13)	Number of cranes of type number CCC(20,13) used to unload type 13 cargo from lighter
CCC(22,I) (I = 1,2)	Number of units/hour of cargo type I moved to storage by LSA forklift type number CCC(18,I)
CCC(22,I) (I = 4-6)	Type number of BSA container lift used to move empty containers of cargo type I from BSA to shore
CCC(22,13)	Number of units/hour of cargo type 13 that crane type number CCC(20,13) can unload from lighter
CCC(23,I) (I = 4-6)	Number of BSA container lifts of type number CCC(22,I) used to move one truckload of empty containers of cargo type I from BSA to shore
CCC(23,13)	Number of units of type 13 cargo that a flatbed truck can carry
CCC(24,I) (I = 4-6)	Number of empty containers/hour of cargo type I that BSA container lift type number CCC(22,I) can move from BSA to shore

<u>Element</u>	<u>Description</u>
CCC(24,13)	Speed (ft/min) of truck when loaded with type 13 cargo
CCC(25,I) (I = 4-9)	Type number of LSA/ASP container lift used to unload cargo type I from truck
CCC(25,13)	Type number of LSA crane used to unload type 13 cargo from truck
CCC(26,I) (I = 4-9)	Number of LSA/ASP container lifts of type number CCC(25,I) used to unload one truckload of cargo type I
CCC(26,13)	Number of LSA cranes of type number CCC(25,13) used to unload type 13 cargo from one truck
CCC(27,I) (I = 4-9)	Number of containers/hour of cargo type I that LSA/ASP container lift type number CCC(25,I) can unload from truck
CCC(27,13)	Number of units/hour of type 13 cargo that LSA crane type number CCC(25,13) can unload from truck
CCC(28,I) (I = 7-9)	Time (min) required for LSA/ASP container lift type number CCC(25,I) to store one container of cargo type I
CCC(28,13)	Speed of unloaded truck (ft/min) returning to beach from BSA or LSA after unloading type 13 cargo
CCC(29,I) (I = 7-9)	Speed (ft/min) of a truck returning to beach from LSA/ASP after delivering cargo type I
CCC(29,13)	Type number of BSA crane used to unload cargo type 13 from truck
CCC(30,I) (I = 4-6)	Type number of LSA/ASP unstuffing equipment used to unstuff cargo type I
CCC(30,13)	Number of BSA cranes of type number CCC(29,13) used to unload type 13 cargo from one truck
CCC(31,I) (I = 4-6)	Number of pieces of LSA/ASP unstuffing equipment of type number CCC(30,I) used to unstuff one truckload of cargo type I
CCC(31,13)	Number of units/hour of type 13 cargo that BSA crane type number CCC(29,13) can unload from truck
CCC(32,I) (I = 4-6)	Number of containers/hour of cargo type I that LSA/ASP unstuffing equipment type number CCC(30,I) can unstuff

<u>Element</u>	<u>Description</u>
CCC(32,11)	Delay time (min) for construction equipment in BSA
CCC(32,12)	Delay time (min) for construction equipment in areas other than BSA
CCC(33,I) (I = 4-6)	Type number of LSA/ASP forklift used to move unstuffed cargo type I to dump and store
CCC(34,I) (I = 4-6)	Number of LSA/ASP forklifts of type number CCC(33,I) used to move the contents of one truckload of cargo type I to dump and store
CCC(35,I) (I = 4-6)	Number of units/hour of unstuffed cargo type I that LSA/ASP forklift type number CCC(33,I) can move to dump and store
CCC(36,I) (I = 4-6)	Type number of LSA/ASP container lift used to load empty container type I on truck
CCC(37,I) (I = 4-6)	Number of LSA/ASP container lifts of type number CCC(36,I) used to load empty containers type I on one truck
CCC(38,I) (I = 4-6)	Number of empty containers/hour of cargo type I that LSA/ASP container lift type number CCC(36,I) can load onto truck
CCC(39,I) (I = 4-6)	Speed (ft/min) of a truck carrying empty containers type I from LSA/ASP to BSA
CCC(40,I) (I = 4-6)	Type number of BSA container lift used to unload empty container type I from truck
CCC(41,I) (I = 4-6)	Number of BSA container lifts of type number CCC(40,I) used to unload empty container type I from one truck
CCC(42,I) (I = 4-6)	Number of empty containers/hour of cargo type I that BSA container lift type number CCC(40,I) can unload from truck
CCC(43,I) (I = 1-4)	Speed of truck (ft/min) carrying cargo type 3 between shore and ASP I
CCC(44,I) (I = 1-4)	Type number of ASP forklift used to unload cargo type 3 at ASP I
CCC(45,I) (I = 1-4)	Number of ASP forklifts of type number CCC(44,I) used to unload cargo type 3 from one truck

<u>Element</u>	<u>Description</u>
CCC(46,I) (I= 1-4)	Number of pallets/hour of cargo type 3 that ASP forklift type number CCC(44,I) can unload from truck
CCC(47,I) (I = 1-4)	Speed of truck (ft/min) of unloaded truck returning to beach from ASP I
CCC (48,I) (I = 1-4)	Number of pallets/hour of cargo type 3 that ASP forklift type number CCC(44,I) can move to storage
CCC(49,I) (I = 4,6,7,9)	Speed (ft/min) of a truck carrying cargo type I from beach to LSA
CCC(49,I) (I = 5,8)	Speed (ft/min) of a truck carrying cargo type I from beach to ASP

7.4 INPUT MATRIX FFF

The elements of matrix FFF are defined as follows.

<u>Element</u>	<u>Description</u>
FFF(3,I) (I = 1-4)	Distance (in feet) from shore to ASP I

7.5 CASE NUMBER AND SIMULATION LENGTH

The case number may be changed from run to run. It serves as a means of identification for a given run and is included in the program for user convenience.

<u>Variable</u>	<u>Description</u>
CSENO	Case number for the run

The length of time to be simulated by any one running of the model is a user determined input.

<u>Variable</u>	<u>Description</u>
TIMER	Length of time (min) to be simulated

7.6 OPERATING EQUIPMENT

Thirty-five different types of equipment may be used in the ALSA simulation model. They fall into two distinct classes, construction equipment and cargo handling equipment, as listed in Tables 4 and 5 respectively. The quantity of each type of equipment is specified as input by the user of the simulation. In order to specify these data, it is necessary for the user to know the variable names (names used in the coding of the ALSA simulation model) of the various pieces of equipment; therefore the appropriate variable names are also listed in Tables 4 and 5.

TABLE 4 - CONSTRUCTION EQUIPMENT NOMENCLATURE

Description	Variable Name
Scrapers	SCPR
Scoop loaders	SLDR
Dump trucks	DTRK
Rollers	RLLR
Graders	GRDR
Surfacers	SFCR
Backhoes	BKHO
Bulldozers	BULL

TABLE 5 - CARGO HANDLING EQUIPMENT NOMENCLATURE

Equipment Description	Variable Name
Cranes at AAFS	CRNE
Towing equipment	TWGE
Beach forklift for general cargo	FKLA
Beach forklift for POL	FKLB
Beach forklift for ammo	FKLC
BSA forklift for general cargo	FKLD
BSA forklift for POL	FKLE
BSA forklift for ammo	FKLF
Flatbed trucks for outsized cargo	FBTRK
LSA forklift for general cargo	FKLG
LSA forklift for POL	FKLH
ASP 1 forklift for ammo	FKLJ
Beach container lift	CNLA
BSA container lift	CNLB
BSA unstuffing equipment	UNSA
LSA container lift	CNLC
LSA unstuffing equipment	UNSB
ASP container lift	CNLD
ASP unstuffing equipment	UNSC
Cranes at beach	CRNA
Cranes at BSA	CRNB
Cranes at LSA	CRNC
ASP 2 forklift for ammo	FKLK
ASP 3 forklift for ammo	FKLL
ASP 4 forklift for ammo	FKLM
Flatbed trucks for break bulk cargo	TRKB
Flatbed trucks for containerized cargo	TRKC

7.7 SPECIFICATION OF INPUT DATA

The input data required by the ALSA model may be varied by the user from run to run to represent different equipment characteristics.

Two methods are used to change the values of the input data. The first method applies to changes in the data specifying the quantity of each type of equipment used in the model (See Section 7.6 and Tables 4 and 5). The second method applies to all other user supplied data (See Sections 7.1 - 7.4).

7.7.1 Specification of Equipment Quantities

As stated in Section 7.6, thirty-five different types of equipment may be used in the ALSA simulation model, but not all thirty-five different types must be used in any one run. The number of types is determined by the user, who must also specify exactly how many of each type to be used are to be available.

The right hand column of each page of the program listing in Appendix A gives the card numbers, one unique number for each card of the program. The data specifying the equipment are found in cards 135-162 of the listing. The presence of each of these cards signifies that the type of equipment represented by the variable name starting in column 2 of the card (See Tables 4 and 5 for listing of variable names) is to be represented in the simulation run. The word STORAGE is punched in columns 8 to 14 inclusive. The number beginning in column 19 of the card specifies the number of units of this piece of equipment that will be available in this run of the simulation.

To modify the data specifying the quantity of each type of equipment for an upcoming run, the user must actually remove from the program deck any cards which represent previous, but no longer desired, data of this type. He must then insert in the deck new cards which specify the equipment types and quantities to be used for the next run.

7.7.2 Specification of Other Input Data

This section describes the means of specifying the input data defined in Sections 7.1 - 7.4. All cards specifying these data have the word INITIAL punched in columns 8-14. Specific data values are punched in columns 19-71; this permits from one to three data specifications per card, each specification separated from the previous specification by a slash (/).

The data specifications defining the elements of matrix AAA (Section 7.1) are found in cards 327-463 (see the program listing in Appendix A). To change the value of a given element of matrix AAA, it is necessary to replace the card defining that element with another card containing the new value. For example, to change the value of AAA (101,2) from 400 to 500, card number 418,

```
INITIAL    MX$AAA(101,1),517500/MX$AAA(101,2),400
```

would be replaced by the card

```
INITIAL    MX$AAA(101,1),517500/MX$AAA(101,2),500
```

in the program.

The data found in the elements of matrix CCC (Section 7.3) and matrix FFF (section 7.4) are changed in a similar manner. Data for matrix CCC are defined in cards 464-518 and cards 521-522 of the program listing. Data for matrix FFF are defined in cards 519-520.

The cards defining the cargo generation data (Section 7.2) are found in lines 254-283 of the program listing. These data are changed in a manner similar to that of changing the data in the matrices; the only difference is that the variables being defined have no subscripts.

The case number is defined in line 252 of the program listing and the length of time to be simulated by the run is defined in line 253. These values are changed similarly to the manner in which the cargo generation data are changed.

7.8 IMPLEMENTATION OF DATA CHANGES

The method for actually changing data within the program depends on the way in which the program is run. If it is run directly from a card deck, the user will physically remove some cards from the deck

and replace them with others. At DTNSRDC, where the model is currently operational, the program is recorded as an UPDATE file on a disc. The method of making changes to the data on an UPDATE file is discussed in Section 8.0.

8.0 RUNNING THE MODEL

The GPSS computer program, which constitutes the ALSA simulation model, is stored on disc as a permanent UPDATE file on the CDC 6700 computer at DTNSRDC.

UPDATE is a system utility for maintaining libraries of source programs and data. It is a maintenance program that creates, corrects, and manipulates program library files. By employing the UPDATE utility, a user can modify and run his program with a small number of control cards, thus eliminating the need to work with a large, cumbersome deck of cards.

8.1 THE BASIC DECK SETUP

At DTNSRDC, the ALSA model is run on the CDC 6700 computer in the batch mode.

In order to run the ALSA model, the following deck setup is submitted.

```
CAEFAUL,CM120000,P3.                187, P.FRIEDENBERG
CHARGE,CAEF,XXXXXXXXXX.
ATTACH(PAUL,PAUL96,ID=CAEF,MR=1)
UPDATE(P=PAUL,F)
ATTACH,GPSS,ID=CSYS.
GPSS(I=COMPILE,FX)
END-OF-RECORD CARD (7/8/9 PUNCH IN COLUMN 1)
*IDENT PB0828
END-OF-RECORD CARD (7/8/9 PUNCH IN COLUMN 1)
END-OF-FILE CARD (6/7/8/9 PUNCH IN COLUMN 1)
```

The above deck setup will run the model in its basic form, without any changes to the data. This is the program listing as shown in Appendix A. The first card in the deck setup is the Job Card, and the second card is the Charge Card. Some of the information on these cards will vary with the individual user; see the Users' Services Branch for further information.

8.2 DATA MODIFICATION

The ALSA simulation model is designed to allow the user to examine system performance within the context of varying delivery schedules, equipment quantities, and capabilities. In order to do this, modifications must be made to the basic program listed in Appendix A to reflect the desired changes to the data as described in Section 7.0. As previously stated, these data changes may be effected by actually removing the cards defining the old data from the deck and replacing them with the cards containing the new data definitions; this method is applicable only when the simulation is being run directly from the card deck. Running directly from the card deck, however, is not normally done when a large program is involved, due to the correspondingly large number of cards which would have to be handled.

In order to exercise the ALSA model at DTNSRDC, the user submits the small deck of control cards listed in Section 8.1, plus a number of additional cards which will effect the desired changes in the input data. The cards needed to change the data values from those imbedded in the Appendix A program listing are inserted directly after the card *IDENT PB0828

in the card listing in Section 8.1.

Each line of coding in the program listing (representing one card) is uniquely identified by the alphanumeric data directly to its right, in the second and third columns from the right. (Note that the card number is in the rightmost column.)

To change a line of coding, first delete the line of coding to be changed, and then replace it with the desired line of coding. The use of the UPDATE system utility for this purpose is best illustrated by an example.

EXAMPLE

Statement of Problem:

In the Appendix A listing of the ALSA simulation model, change the number of available bulldozers (card 141) from 50 to 20, the value of matrix element AAA(114,3) from 4 to 5 (card 445), the value of matrix element AAA(115,1) from 226,000 to 200,000 (card 446), the value of

matrix element AAA(115,2) from 300 to 400 (card 446), and the value of matrix element AAA(115,3) from 4 to 5 (card 447).

Solution:

The control cards effecting the desired data changes are inserted into the Section 8.1 control card listing after the

*IDENT PB0828

card. The deck setup to make the desired data changes will then be

CAEFAUL,CM120000,P3. 187, P.FRIEDENBERG

CHARGE,CAEF,XXXXXXXXXX.

ATTACH(PAUL,PAUL96,ID=CAEF,MR=1)

UPDATE(P=PAUL,F)

ATTACH,GPSS,ID=CSYS.

GPSS(I=COMPILE,FX)

END-OF-RECORD CARD (7/8/9 PUNCH IN COLUMN 1)

*IDENT PB0828

*DELETE PE0802.7

BULL STORAGE 20

*DELETE PE0812.119,PE0812.121

INITIAL MX\$AAA(114,3),5

INITIAL MX\$AAA(115,1),200000/MX\$AAA(115,2),400

INITIAL MX\$AAA(115,3),5

END-OF-RECORD CARD (7/8/9 PUNCH IN COLUMN 1)

END-OF-FILE CARD (6/7/8/9 PUNCH IN COLUMN 1)

The *DELETE card with the appropriate identifiers defines the card or cards to be deleted. It is immediately followed by the card or cards which are to replace the deletion.

Further detailed information concerning the UPDATE system utility may be obtained from the User Services Branch at DTNSRDC and from the DTNSRDC Computer Center Reference Manual (obtainable from the User Services Branch).

9.0 ALSA SIMULATION MODEL OUTPUT

The output from running the Appendix A program listing is given in Appendix B.

This section provides an explanation of the output listing.

9.1. OUTPUT COVER SHEET

The cover sheet for the output (page 112) contains the name and address of the installation (DTNSRDC) at which the ALSA model was developed. It also contains several input data values relating to the run.

9.2. BSA CARGO DELIVERY

The tabular data on pages 113-114 give the cargo delivered to the BSA as a function of time. The cargo itself is broken down into four separate categories: pallets of general cargo, drums of POL, pallets of ammunition, and containerized cargo. The cumulative amount of cargo in each category, delivered to the BSA, is recorded every twenty-four hours of simulated time.

9.3 LSA CARGO DELIVERY

The tabular data on pages 115-116 give the cargo delivered to the LSA as a function of time. The cargo is broken down into two general categories, general cargo and square (outsized) cargo. The general cargo category is further broken down into pallets and containers. The square cargo category is broken down into powered, non-powered, and non-wheeled types. The cumulative amounts delivered to the LSA are then recorded every twenty-four hours of simulated time.

9.4 AAFS POL DELIVERY

The tabular data on pages 117-118 give the amount of POL delivered to the AAFS as a function of time. The POL is broken down into two types, POL in drums and containerized POL. The cumulative amount of each type delivered to the AAFS is recorded every twenty-four hours of simulated time.

9.5 ASP AMMO DELIVERY

The tabular data on pages 119-120 give the amount of ammunition delivered to the ASP as a function of time. Ammunition is delivered to the ASP packaged in pallets and containers. The cumulative amounts of ammunition in both palletized and containerized packaging which are delivered to the ASP are recorded every twenty-four hours of simulated time.

9.6 CONSTRUCTION OUTPUT DATA

The output data on page 121 relate to the construction which is simulated within the ALSA Model.

Six basic construction tasks are simulated:

- Construction of the Beach Support Area (BSA)
- Construction of the Temporary Main Supply Routes (Temporary MSR)
- Construction of the Permanent Main Supply Routes (Permanent MSR)
- Construction of the Logistics Support Area (LSA)
- Construction of the Ammunition Supply Points (ASP)
- Construction of the Amphibious Assault Fuel System (AAFS)

Each of these six construction tasks involves the development of a distinct area and may be called an area task. (Note that the construction of the Temporary Main Supply Routes and the Permanent Main Supply Routes involve the same physical area, but they are still listed as distinct area tasks.) Each area task is in turn composed of a number of subtasks, all of which must be completed before the area task may be considered finished. The area tasks and the subtasks of which they are composed are listed in Table 6.

The output on pages 125-126 gives the completion time and the construction time for each subtask listed in Table 6. The completion time is the number of days, measured from the beginning of the overall amphibious operation, at which the subtask is completed. The construction time is defined as the number of days from the start of the subtask to its completion.

TABLE 6 - AREA TASKS AND SUBTASKS FOR ALSA CONSTRUCTION

AREA TASK (Construction of)	AREA SUBTASKS (Construction of)
Beach Support Area (BSA)	BSA Roads BSA Dump 1 BSA Dump 2 BSA Dump 3 BSA Dump 4
Temporary Main Supply Routes (Temporary MSR)	MSR Temporary Route 1 MSR Temporary Route 2 MSR Temporary Route 3 MSR Temporary Route 4
Permanent Main Supply Routes (Permanent MSR)	MSR Permanent Route 1 MSR Permanent Route 2 MSR Permanent Route 3 MSR Permanent Route 4
Logistics Support Area (LSA)	LSA Storage Area 1 LSA Storage Area 2 LSA Storage Area 3 LSA Unstuffing Area LSA Truck Loading Area LSA Pallet Staging Area LSA Administrative Area
Ammunition Supply Points (ASP)	ASP Road A1 ASP Road A2 ASP Road A3 ASP Road A4 ASP Revetment A1 ASP Revetment A2 ASP Revetment A3 ASP Revetment A4 ASP Perimeter
Amphibious Assault Fuel System (AAFS)	AAFS 1 AAFS 2 AAFS 3 AAFS 4

The ALSA TOTAL construction time is computed as the sum of the construction times for all ALSA subtasks except those for the Temporary Main Supply Routes.

9.7 EQUIPMENT UTILIZATION DATA

The output data on page 122 give the user information regarding the utilization of equipment during the simulation.

For each type of equipment used during the simulation, the output gives the total number available, the number of times that one or another piece of this type of equipment is used, the average time (in minutes) that each piece of this type of equipment is in use, and the maximum number of pieces of this type of equipment in use at any one time.

9.8 QUEUING DATA

The output data on pages 123-124 give queuing statistics for the requests for each type of equipment utilized during the simulation.

For the requests for any given equipment used during the simulation the output gives the maximum number of requests in the queue, the total number of requests, the number of requests which have no waiting time in the queue, and the average waiting time (in minutes) in the queue for those requests with a non-zero waiting time.

9.9 PRINTOUT OF INPUT DATA

The information on pages 125-136 is a recapitulation of the input data provided by the user for this specific run of the simulation. It is provided primarily as a user convenience. The data on pages 125-136 have been previously defined in Section 7.0.

APPENDIX A
LISTING OF PROGRAM

ELAPY NIHPFR *LOC OPERATION 4,B,C,D,E,F,G,H,I,J COMMENTS

REALLOCATE BL0,12J0,LSV,160,VAR,60
 * * * F0RVALFNCE DECLARATION CARDS

ELAPY	NIHPFR	*LOC	OPERATION	4,B,C,D,E,F,G,H,I,J	COMMENTS	PE0612	CARD NUMBER
SCPP	FOU			1,S		PE0612	1
SLOP	FOU			2,S		NATURE	2
DIRK	FOU			3,S		NATURE	3
RLLP	FOU			4,S		NATURE	4
GRNE	FOU			5,S		PE0612	5
SFCP	FOU			6,S		PE0612	6
RKMC	FOU			7,S		PE0612	7
CONF	FOU			8,S		PE0612	8
RULL	FOU			9,S		PE0612	9
TMGE	FOU			10,S		PE0612	10
FKLA	FOU			11,S		PE0612	11
FKLB	FOU			12,S		PE0612	12
FKLC	FOU			13,S		PE0612	13
FKLD	FOU			14,S		PE0612	14
FKLE	FOU			15,S		PE0612	15
FKLF	FOU			16,S		PE0612	16
FPTK	FOU			17,S		PE0612	17
FKLG	FOU			18,S		PE0612	18
FKLH	FOU			19,S		PE0612	19
FKLJ	FOU			20,S		PE0612	20
CNLA	FOU			21,S		PE0612	21
CNLP	FOU			22,S		PE0612	22
UNSA	FOU			23,S		PE0612	23
CNLC	FOU			24,S		PE0612	24
UNSP	FOU			25,S		PE0612	25
CNLF	FOU			26,S		PE0612	26
UNSC	FOU			27,S		PE0612	27
CONA	FOU			28,S		PE0612	28
CONP	FOU			29,S		PE0612	29
CONC	FOU			30,S		PE0612	30
FKLM	FOU			31,S		PE0612	31
FKLL	FOU			32,S		PE0612	32
FKLP	FOU			33,S		PE0612	33
TRKP	FOU			34,S		PE0612	34
TRKC	FOU			35,S		PE0612	35
CPNE	FOU			36,S		PE0612	36
TMGF	FOU			37,S		PE0612	37
FKLA	FOU			38,S		PE0612	38
FKLB	FOU			39,S		PE0612	39
FKLC	FOU			40,S		PE0612	40
FKLD	FOU			41,S		PE0612	41
FKLE	FOU			42,S		PE0612	42
FKLF	FOU			43,S		PE0612	43
FATRK	FOU			44,S		PE0612	44
FKLG	FOU			45,S		PE0612	45
FKLH	FOU			46,S		PE0612	46
FKLJ	FOU			47,S		PE0612	47
CNLA	FOU			48,S		PE0612	48
CNLP	FOU			49,S		PE0612	49
UNSA	FOU			50,S		PE0612	50
CNLC	FOU			51,S		PE0612	51
UNSP	FOU			52,S		PE0612	52
CNLF	FOU			53,S		PE0612	53
UNSC	FOU			54,S		PE0612	54

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	CARD NUMBER
		F0U	25,0	PE0612	53
		EQU	25,0	PE0612	54
		UNSC	27,0	PE0612	55
		CRNA	28,0	PE0612	56
		CRM9	29,0	PE0612	57
		CRMC	30,0	PE0612	58
		FKLK	31,0	PE0612	59
		FKLL	32,0	PE0612	60
		FKLM	33,0	PE0612	61
		TRMF	34,0	PE0612	62
		TPMC	35,0	PE0612	63
		CTM1	1,XL	PE0620	64
		CTM2	2,XL	PE0620	65
		CTM3	3,XL	PE0820	66
		CTM4	4,XL	PE0820	67
		CTM5	5,XL	PE0820	68
		CTM6	6,XL	PE0820	69
		CTM7	7,XL	PE0820	70
		CTM8	8,XL	PE0820	71
		CTM9	9,XL	PE0820	72
		CTM10	10,XL	PE0820	73
		CTM11	11,XL	PE0820	74
		CTM12	12,XL	PE0820	75
		CTM13	13,XL	PE0820	76
		CTM14	14,XL	PE0820	77
		CTM15	15,XL	PE0820	78
		CTM16	16,XL	PE0820	79
		CTM17	17,XL	PE0820	80
		CTM18	18,XL	PE0820	81
		CTM19	19,XL	PE0820	82
		CTM20	20,XL	PE0820	83
		CTM21	21,XL	PE0820	84
		CTM22	22,XL	PE0820	85
		CTM23	23,XL	PE0820	86
		CTM24	24,XL	PE0820	87
		CTM25	25,XL	PE0820	88
		CTM26	26,XL	PE0820	89
		CTM27	27,XL	PE0820	90
		CTM28	28,XL	PE0820	91
		CTM29	29,XL	PE0820	92
		CTM30	30,XL	PE0820	93
		CTM31	31,XL	PE0820	94
		CTM32	32,XL	PE0820	95
		CTM33	33,XL	PE0820	96
		MOF1	34,XL	PE0820	97
		MOF2	35,XL	PE0822	98
		MOE3	36,XL	PE0822	99
		MOE4	37,XL	PE0822	100
		MOE5	38,XL	PE0822	101
		MOE6	39,XL	PE0822	102
		MOE7	40,XL	PE0822	103
		MOE8	41,XL	PE0822	104
		MOE9	42,XL	PE0822	105
		MO-10	43,XL	PE0822	106
		MOE11	44,XL	PE0822	107
		EQU		PE0822	108
		EQU		PE0822	109

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	PE0022	CARD NUMBER
1		MOF12	FOU	45,XL		13
2		MOE13	EOU	46,XL		14
3		MOF14	FOU	47,XL		15
4		MOE15	EOU	48,XL		16
5		MOF16	FOU	49,XL		17
6		MOE17	EOU	50,XL		18
9		MOF18	FOU	51,XL		19
11		MOE19	EOU	52,XL		20
12		MOF20	FOU	53,XL		21
13		MOE21	EOU	54,XL		22
14		MOF22	FOU	55,XL		23
15		MOE23	EOU	56,XL		24
16		MOF24	FOU	57,XL		25
18		MOE25	EOU	58,XL		26
19		MOF26	FOU	59,XL		27
20		MOE27	EOU	60,XL		28
21		MOF28	FOU	61,XL		29
22		MOE29	EOU	62,XL		30
24		MOF30	FOU	63,XL		31
26		MOE31	EOU	64,XL		32
28		MOF32	FOU	65,XL		33
29		MOE33	EOU	66,XL		34
31					NATURE	6
32					NATURE	7
33					NATURE	8
34					NATURE	9
35					NATURE	10
36					NATURE	11
37					NATURE	12
38					NATURE	13
39					NATURE	14
40					NATURE	15
41					NATURE	16
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196					NATURE	171
197					NATURE	172
198					NATURE	173
199					NATURE	174
200					NATURE	175

PLCK NUMP0	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	CARD NUMBER
1	AAA	MATRIX	X,130,3		28
1	RRR	MATRIX	H,32,9		165
2	CCC	MATPIY	H,59,13		166
1	DDD	MATRIX	HL,10,9		167
3	FFE	MATRIX	H,100,20		168
2	FFF	MATRIX	X,3,13		169
4	GGG	MATRIX	H,50,5		170
5	HHH	MATRIX	H,50,6		171
6	KKK	MATRIX	H,50,3		172
7	LLL	MATRIX	H,50,3		173
2	MMM	MATRIX	HL,35,2		174
8	NNN	MATRIX	H,35,1		175
	*	VARIABLE DEFINITIONS			
	**				
	**				
1	PQRTY	VARIABLE	34-P1		176
2	AAA	VARIABLE	MX\$AAA(P3,1)/(MX\$AAA(P3,2)*MX\$AAA(P3,3))		177
3	AAB	VARIABLE	P2/1440		178
4	AAC	VARIABLE	MH\$EE(1,P1)+P4		179
5	AAD	VARIABLE	(P4*60/P6)/P5		180
6	AAF	VARIABLE	MH\$EE(1,P0)+P4		181
7	AAF	VARIABLE	(P4*60/P6+15)/P5		182
8	AAG	VARIABLE	P5/P6		183
9	AAH	VARIABLE	60/P5		184
10	AAJ	VARIABLE	XH\$EMCON+P4		185
11	AAK	VARIABLE	P3/60		186
12	AAL	VARIABLE	XH\$PRNTA+1		187
13	AAM	VARIABLE	MH\$EE(2,P0)+P4		188
14	AAN	VARIABLE	MH\$FFF(1,P1)+P2		189
15	AAC	VARIABLE	MH\$FFF(1,P1)-P4		190
16	AAP	VARIABLE	MH\$EE(3,P1)+P4		191
17	AAG	VARIABLE	MH\$EE(4,P1)+P4		192
18	AAR	VARIABLE	MH\$EE(4,4)+MH\$EE(4,7)		193
19	AAS	VARIABLE	MH\$EE(4,6)+MH\$EE(4,9)		194
20	AAT	VARIABLE	MH\$EE(4,5)+MH\$EE(4,8)		195
21	AAU	VARIABLE	XH\$XRON+1		196
22	AAV	VARIABLE	MH\$EE(3,4)+MH\$EE(3,5)+MH\$EE(3,6)+V\$AAM		197
23	AAW	VARIABLE	MH\$EE(3,7)+MH\$EE(3,8)+MH\$EE(3,9)		198
24	AAZ	VARIABLE	P2/60		199
25	AAZ	VARIABLE	P2/5280		200
26	PAA	VARIABLE	ML\$MMH(P1,2)-HL\$MMH(P1,1)		201
27	BAB	VARIABLE	MH\$NNN(P1,1)/XL*1		202
28	BAC	VARIABLE	1397/V\$BAC1		203
29	BAD	VARIABLE	XL\$CTM1+XL\$CTM2+XL\$CTM3+XL\$CTM4+XL\$CTM5		204
30	BAD	VARIABLE	24200/V\$BAC1		205
31	BAD1	VARIABLE	XL\$CTM10+XL\$CTM11+XL\$CTM12+XL\$CTM13		206
32	BAE	VARIABLE	4577/(V\$BAE1+V\$BAE2)		207
33	BAE1	VARIABLE	XL\$CTM14+XL\$CTM15+XL\$CTM16+XL\$CTM17		208
34	BAE2	VARIABLE	XL\$CTM18+XL\$CTM19+XL\$CTM20		209
35	BAF	VARIABLE	14600/(V\$BAF1+V\$BAF2)		210
36	BAF1	VARIABLE	XL\$CTM21+XL\$CTM22+XL\$CTM23+XL\$CTM24		211
37	BAF2	VARIABLE	XL\$CTM25+XL\$CTM26+XL\$CTM27+XL\$CTM28+XL\$CTM29		212
38	BAG	VARIABLE	4806/V\$BAG1		213
39	BAG1	VARIABLE	XL\$CTM10+XL\$CTM11+XL\$CTM12+XL\$CTM13		214

LINE	OPERATION	A,B,C,D,F,G,H,I,J	COMMENTS	CARD NUMBER
43	RVARIABLE	XL\$M0E1+XL\$M0E2+XL\$M0E3+XL\$M0E4+XL\$M0E5		14 PE0824
44	RVARIABLE	XL\$M0E10+XL\$M0E11+XL\$M0E12+XL\$M0E13		15 PE0824
45	RVARIABLE	V\$RAK1+V\$BAK2		16 PE0824
46	RVARIABLE	XL\$M0E14+XL\$M0E15+XL\$M0E16+XL\$M0E17		17 PE0824
47	RVARIABLE	XL\$M0E18+XL\$M0E19+XL\$M0E20		18 PE0824
48	RVARIABLE	V\$PAL1+V\$BAL2		19 PE0824
49	RVARIABLE	XL\$M0E21+XL\$M0E22+XL\$M0E23+XL\$M0E24		20 PE0824
50	RVARIABLE	XL\$M0E25+XL\$M0E26+XL\$M0E27+XL\$M0E28+XL\$M0E29		21 PE0824
51	RVARIABLE	XL\$M0E10+XL\$M0E11+XL\$M0E12+XL\$M0E13		22 PE0824
52	RVARIABLE	49663/V\$BAK1		23 PE0824
53	RVARIABLE	V\$BAK1+V\$BAK2+V\$BAK3+V\$BAK4+V\$BAK5+V\$BAK6+V\$BAK7+V\$BAK8+V\$BAK9+V\$BAK10+V\$BAK11+V\$BAK12+V\$BAK13+V\$BAK14+V\$BAK15+V\$BAK16+V\$BAK17+V\$BAK18+V\$BAK19+V\$BAK20+V\$BAK21+V\$BAK22+V\$BAK23+V\$BAK24+V\$BAK25+V\$BAK26+V\$BAK27+V\$BAK28+V\$BAK29+V\$BAK30+V\$BAK31+V\$BAK32+V\$BAK33+V\$BAK34+V\$BAK35+V\$BAK36+V\$BAK37+V\$BAK38+V\$BAK39+V\$BAK40+V\$BAK41+V\$BAK42+V\$BAK43+V\$BAK44+V\$BAK45+V\$BAK46+V\$BAK47+V\$BAK48+V\$BAK49+V\$BAK50+V\$BAK51+V\$BAK52+V\$BAK53+V\$BAK54+V\$BAK55+V\$BAK56+V\$BAK57+V\$BAK58+V\$BAK59+V\$BAK60+V\$BAK61+V\$BAK62+V\$BAK63+V\$BAK64+V\$BAK65+V\$BAK66+V\$BAK67+V\$BAK68+V\$BAK69+V\$BAK70+V\$BAK71+V\$BAK72+V\$BAK73+V\$BAK74+V\$BAK75+V\$BAK76+V\$BAK77+V\$BAK78+V\$BAK79+V\$BAK80+V\$BAK81+V\$BAK82+V\$BAK83+V\$BAK84+V\$BAK85+V\$BAK86+V\$BAK87+V\$BAK88+V\$BAK89+V\$BAK90+V\$BAK91+V\$BAK92+V\$BAK93+V\$BAK94+V\$BAK95+V\$BAK96+V\$BAK97+V\$BAK98+V\$BAK99+V\$BAK100		24 PE0824
54	RVARIABLE	V\$RAH+V\$BA		25 PE0826
55	RVARIABLE	XL\$CTM6+XL\$CTM30		26 PE0826
56	RVARIABLE	XL\$CTM7+XL\$CTM31		27 PE0826
57	RVARIABLE	XL\$CTM8+XL\$CTM32		28 PE0826
58	RVARIABLE	XL\$CTM9+XL\$CTM33		29 PE0826
59	RVARIABLE	V\$BAF1+V\$BAF2		30 PE0827
60	RVARIABLE	V\$BAF1+V\$BAF2		31 PE0827
61	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		32 PE0827
62	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		33 PE1208
63	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		34 PE1208
64	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		35 PE1208
65	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		36 PE1212
66	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		37 PE1212
67	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		38 PE0117
68	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		39 PE0117
69	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		40 PE0418
70	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		41 PE0710
71	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		42 PE0712
72	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		43 PE0804
73	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		44 PE0804
74	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		45 PE0805
75	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		46 PE0805
76	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		47 PE0805
77	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		48 PE0805
78	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		49 PE0805
79	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		50 PE0805
80	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		51 PE0805
81	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		52 PE0805
82	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		53 PE0805
83	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		54 PE0805
84	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		55 PE0805
85	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		56 PE0805
86	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		57 PE0805
87	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		58 PE0805
88	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		59 PE0805
89	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		60 PE0805
90	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		61 PE0805
91	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		62 PE0805
92	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		63 PE0805
93	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		64 PE0805
94	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		65 PE0805
95	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		66 PE0805
96	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		67 PE0805
97	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		68 PE0805
98	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		69 PE0805
99	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		70 PE0805
100	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		71 PE0805
101	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		72 PE0805
102	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		73 PE0805
103	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		74 PE0805
104	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		75 PE0805
105	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		76 PE0805
106	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		77 PE0805
107	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		78 PE0805
108	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		79 PE0805
109	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		80 PE0805
110	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		81 PE0805
111	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		82 PE0805
112	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		83 PE0805
113	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		84 PE0805
114	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		85 PE0805
115	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		86 PE0805
116	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		87 PE0805
117	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		88 PE0805
118	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		89 PE0805
119	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		90 PE0805
120	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		91 PE0805
121	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		92 PE0805
122	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		93 PE0805
123	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		94 PE0805
124	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		95 PE0805
125	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		96 PE0805
126	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		97 PE0805
127	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		98 PE0805
128	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		99 PE0805
129	RVARIABLE	XL\$CTM34+XL\$CTM35+XL\$CTM36+XL\$CTM37+XL\$CTM38		100 PE0805

BLOCK NUMBER	*LCC	OPERATION	A,P,C,D,E,F,G,H,I,J	COMMENTS	CARD NUMBER
INITIAL		MY\$AAA(5,1),154000/MY\$AAA(5,2),300/MY\$AAA(5,3),3			PE0812 4
INITIAL		MY\$AAA(6,1),34000/MY\$AAA(6,2),300/MY\$AAA(6,3),1			PE0815 1
INITIAL		MY\$AAA(7,1),137000/MY\$AAA(7,2),260/MY\$AAA(7,3),2			PE0815 2
INITIAL		MY\$AAA(8,1),137000/MY\$AAA(8,2),300/MY\$AAA(8,3),2			PE0812 7
INITIAL		MY\$AAA(9,1),100000/MY\$AAA(9,2),350/MY\$AAA(9,3),2			PE0812 8
INITIAL		MY\$AAA(10,1),100000/MY\$AAA(10,2),230/MY\$AAA(10,3),2			PE0812 9
INITIAL		MY\$AAA(11,1),130000/MY\$AAA(11,2),460/MY\$AAA(11,3),2			PE0812 10
INITIAL		MY\$AAA(12,1),100000/MY\$AAA(12,2),300/MY\$AAA(12,3),2			PE0812 11
INITIAL		MY\$AAA(13,1),100000/MY\$AAA(13,2),200/MY\$AAA(13,3),2			PE0812 12
INITIAL		MY\$AAA(14,1),100000/MY\$AAA(14,2),400/MY\$AAA(14,3),2			PE0812 13
INITIAL		MY\$AAA(15,1),198000/MY\$AAA(15,2),300/MY\$AAA(15,3),3			PE0812 14
INITIAL		MY\$AAA(16,1),198000/MY\$AAA(16,2),350/MY\$AAA(16,3),4			PE0812 15
INITIAL		MY\$AAA(17,1),121000/MY\$AAA(17,2),300/MY\$AAA(17,3),5			PE0812 16
INITIAL		MY\$AAA(18,1),100000/MY\$AAA(18,2),300/MY\$AAA(18,3),5			PE0812 17
INITIAL		MY\$AAA(19,1),100000/MY\$AAA(19,2),300/MY\$AAA(19,3),4			PE0812 18
INITIAL		MY\$AAA(20,1),198000/MY\$AAA(20,2),350/MY\$AAA(20,3),6			PE0812 19
INITIAL		MY\$AAA(21,1),198000/MY\$AAA(21,2),350/MY\$AAA(21,3),6			PE0812 20
INITIAL		MY\$AAA(22,1),121000/MY\$AAA(22,2),300/MY\$AAA(22,3),4			PE0812 21
INITIAL		MY\$AAA(23,1),100000/MY\$AAA(23,2),350/MY\$AAA(23,3),6			PE0812 22
INITIAL		MY\$AAA(24,1),198000/MY\$AAA(24,2),400/MY\$AAA(24,3),8			PE0812 23
INITIAL		MY\$AAA(25,1),198000/MY\$AAA(25,2),400/MY\$AAA(25,3),8			PE0812 24
INITIAL		MY\$AAA(26,1),121000/MY\$AAA(26,2),300/MY\$AAA(26,3),4			PE0812 25
INITIAL		MY\$AAA(27,1),121000/MY\$AAA(27,2),300/MY\$AAA(27,3),6			PE0812 26
INITIAL		MY\$AAA(28,1),100000/MY\$AAA(28,2),300/MY\$AAA(28,3),4			PE0812 27
INITIAL		MY\$AAA(29,1),100000/MY\$AAA(29,2),300/MY\$AAA(29,3),6			PE0812 28
INITIAL		MY\$AAA(30,1),198000/MY\$AAA(30,2),400/MY\$AAA(30,3),8			PE0812 29
INITIAL		MY\$AAA(31,1),198000/MY\$AAA(31,2),400/MY\$AAA(31,3),8			PE0812 30
INITIAL		MY\$AAA(32,1),198000/MY\$AAA(32,2),400/MY\$AAA(32,3),8			PE0812 31
INITIAL		MY\$AAA(33,1),198000/MY\$AAA(33,2),400/MY\$AAA(33,3),8			PE0812 32
INITIAL		MY\$AAA(34,1),198000/MY\$AAA(34,2),400/MY\$AAA(34,3),8			PE0812 33
INITIAL		MY\$AAA(35,1),198000/MY\$AAA(35,2),400/MY\$AAA(35,3),8			PE0812 34
INITIAL		MY\$AAA(36,1),198000/MY\$AAA(36,2),400/MY\$AAA(36,3),8			PE0812 35
INITIAL		MY\$AAA(37,1),198000/MY\$AAA(37,2),400/MY\$AAA(37,3),8			PE0812 36
INITIAL		MY\$AAA(38,1),198000/MY\$AAA(38,2),400/MY\$AAA(38,3),8			PE0812 37
INITIAL		MY\$AAA(39,1),198000/MY\$AAA(39,2),400/MY\$AAA(39,3),8			PE0812 38
INITIAL		MY\$AAA(40,1),198000/MY\$AAA(40,2),400/MY\$AAA(40,3),8			PE0812 39
INITIAL		MY\$AAA(41,1),198000/MY\$AAA(41,2),400/MY\$AAA(41,3),8			PE0812 40
INITIAL		MY\$AAA(42,1),198000/MY\$AAA(42,2),400/MY\$AAA(42,3),8			PE0812 41
INITIAL		MY\$AAA(43,1),198000/MY\$AAA(43,2),400/MY\$AAA(43,3),8			PE0812 42
INITIAL		MY\$AAA(44,1),198000/MY\$AAA(44,2),400/MY\$AAA(44,3),8			PE0812 43
INITIAL		MY\$AAA(45,1),198000/MY\$AAA(45,2),400/MY\$AAA(45,3),8			PE0812 44
INITIAL		MY\$AAA(46,1),198000/MY\$AAA(46,2),400/MY\$AAA(46,3),8			PE0812 45
INITIAL		MY\$AAA(47,1),198000/MY\$AAA(47,2),400/MY\$AAA(47,3),8			PE0812 46
INITIAL		MY\$AAA(48,1),198000/MY\$AAA(48,2),400/MY\$AAA(48,3),8			PE0812 47
INITIAL		MY\$AAA(49,1),198000/MY\$AAA(49,2),400/MY\$AAA(49,3),8			PE0812 48
INITIAL		MY\$AAA(50,1),198000/MY\$AAA(50,2),400/MY\$AAA(50,3),8			PE0812 49
INITIAL		MY\$AAA(51,1),198000/MY\$AAA(51,2),400/MY\$AAA(51,3),8			PE0812 50
INITIAL		MY\$AAA(52,1),198000/MY\$AAA(52,2),400/MY\$AAA(52,3),8			PE0812 51
INITIAL		MY\$AAA(53,1),198000/MY\$AAA(53,2),400/MY\$AAA(53,3),8			PE0812 52
INITIAL		MY\$AAA(54,1),198000/MY\$AAA(54,2),400/MY\$AAA(54,3),8			PE0812 53
INITIAL		MY\$AAA(55,1),198000/MY\$AAA(55,2),400/MY\$AAA(55,3),8			PE0812 54
INITIAL		MY\$AAA(56,1),198000/MY\$AAA(56,2),400/MY\$AAA(56,3),8			PE0812 55
INITIAL		MY\$AAA(57,1),198000/MY\$AAA(57,2),400/MY\$AAA(57,3),8			PE0812 56
INITIAL		MY\$AAA(58,1),198000/MY\$AAA(58,2),400/MY\$AAA(58,3),8			PE0812 57
INITIAL		MY\$AAA(59,1),198000/MY\$AAA(59,2),400/MY\$AAA(59,3),8			PE0812 58

LOCK NUMBER	*LOC	OPERATION	A,9,C,0,E,F,6,H,I,J	COMMENTS	CAKD NUMBER
		INITIAL	MXSAAA(69,1),21904/MXSAAA(69,2),200/MXSAAA(69,3),1		PE0812 59
		INITIAL	MXSAAA(70,1),40000/MXSAAA(70,2),290/MXSAAA(70,3),1		PE0812 60
		INITIAL	MXSAAA(71,1),37390/MXSAAA(71,2),200/MXSAAA(71,3),1		PE0812 61
		INITIAL	MXSAAA(72,1),76800/MXSAAA(72,2),200/MXSAAA(72,3),1		PE0812 62
		INITIAL	MXSAAA(73,1),103700/MXSAAA(73,2),160/MXSAAA(73,3),4		PE0812 63
		INITIAL	MXSAAA(74,1),193700/MXSAAA(74,2),160/MXSAAA(74,3),4		PE0812 64
		INITIAL	MXSAAA(75,1),236600/MXSAAA(75,2),160/MXSAAA(75,3),5		PE0812 65
		INITIAL	MXSAAA(76,1),21904/MXSAAA(76,2),160/MXSAAA(76,3),1		PE0812 66
		INITIAL	MXSAAA(77,1),517500/MXSAAA(77,2),300/MXSAAA(77,3),6		PE0812 67
		INITIAL	MXSAAA(78,1),517500/MXSAAA(78,2),300/MXSAAA(78,3),6		PE0812 68
		INITIAL	MXSAAA(79,1),517500/MXSAAA(79,2),300/MXSAAA(79,3),6		PE0812 69
		INITIAL	MXSAAA(80,1),517500/MXSAAA(80,2),300/MXSAAA(80,3),6		PE0812 70
		INITIAL	MXSAAA(81,1),370300/MXSAAA(81,2),300/MXSAAA(81,3),4		PE0812 71
		INITIAL	MXSAAA(82,1),370300/MXSAAA(82,2),300/MXSAAA(82,3),4		PE0812 72
		INITIAL	MXSAAA(83,1),370300/MXSAAA(83,2),300/MXSAAA(83,3),4		PE0812 73
		INITIAL	MXSAAA(84,1),370300/MXSAAA(84,2),300/MXSAAA(84,3),4		PE0812 74
		INITIAL	MXSAAA(85,1),400300/MXSAAA(85,2),300/MXSAAA(85,3),4		PE0812 75
		INITIAL	MXSAAA(86,1),133000/MXSAAA(86,2),350/MXSAAA(86,3),2		PE0812 76
		INITIAL	MXSAAA(87,1),103000/MXSAAA(87,2),350/MXSAAA(87,3),2		PE0812 77
		INITIAL	MXSAAA(88,1),103000/MXSAAA(88,2),350/MXSAAA(88,3),2		PE0812 78
		INITIAL	MXSAAA(89,1),103000/MXSAAA(89,2),350/MXSAAA(89,3),2		PE0812 79
		INITIAL	MXSAAA(90,1),103000/MXSAAA(90,2),300/MXSAAA(90,3),2		PE0812 80
		INITIAL	MXSAAA(91,1),103000/MXSAAA(91,2),300/MXSAAA(91,3),2		PE0812 81
		INITIAL	MXSAAA(92,1),103000/MXSAAA(92,2),300/MXSAAA(92,3),2		PE0812 82
		INITIAL	MXSAAA(93,1),103000/MXSAAA(93,2),300/MXSAAA(93,3),2		PE0812 83
		INITIAL	MXSAAA(94,1),103000/MXSAAA(94,2),300/MXSAAA(94,3),2		PE0812 84
		INITIAL	MXSAAA(95,1),103000/MXSAAA(95,2),300/MXSAAA(95,3),2		PE0812 85
		INITIAL	MXSAAA(96,1),103000/MXSAAA(96,2),300/MXSAAA(96,3),2		PE0812 86
		INITIAL	MXSAAA(97,1),103000/MXSAAA(97,2),300/MXSAAA(97,3),2		PE0812 87
		INITIAL	MXSAAA(98,1),517500/MXSAAA(98,2),400/MXSAAA(98,3),6		PE0812 88
		INITIAL	MXSAAA(99,1),517500/MXSAAA(99,2),400/MXSAAA(99,3),6		PE0812 89
		INITIAL	MXSAAA(100,1),517500/MXSAAA(100,2),400		PE0812 90
		INITIAL	MXSAAA(101,1),517500/MXSAAA(101,2),400		PE0812 91
		INITIAL	MXSAAA(102,1),517500/MXSAAA(102,2),300		PE0812 92
		INITIAL	MXSAAA(103,1),517500/MXSAAA(103,2),300		PE0812 93
		INITIAL	MXSAAA(104,1),517500/MXSAAA(104,2),300		PE0812 94
		INITIAL	MXSAAA(105,1),517500/MXSAAA(105,2),300		PE0812 95
		INITIAL	MXSAAA(106,1),517500/MXSAAA(106,2),350		PE0812 96
		INITIAL	MXSAAA(107,1),517500/MXSAAA(107,2),350		PE0812 97
		INITIAL	MXSAAA(108,1),517500/MXSAAA(108,2),350		PE0812 98
		INITIAL	MXSAAA(109,1),517500/MXSAAA(109,2),350		PE0812 99
		INITIAL	MXSAAA(110,1),226000/MXSAAA(110,2),300		PE0812 100
		INITIAL	MXSAAA(111,1),226000/MXSAAA(111,2),300		PE0812 101
		INITIAL	MXSAAA(112,1),226000/MXSAAA(112,2),300		PE0812 102
		INITIAL	MXSAAA(113,1),226000/MXSAAA(113,2),300		PE0812 103
		INITIAL	MXSAAA(114,1),226000/MXSAAA(114,2),300		PE0812 104
		INITIAL	MXSAAA(115,1),226000/MXSAAA(115,2),300		PE0812 105
		INITIAL	MXSAAA(116,1),226000/MXSAAA(116,2),300		PE0812 106
		INITIAL	MXSAAA(117,1),226000/MXSAAA(117,2),300		PE0812 107
		INITIAL	MXSAAA(118,1),226000/MXSAAA(118,2),300		PE0812 108
		INITIAL	MXSAAA(119,1),226000/MXSAAA(119,2),300		PE0812 109
		INITIAL	MXSAAA(120,1),226000/MXSAAA(120,2),300		PE0812 110
		INITIAL	MXSAAA(121,1),226000/MXSAAA(121,2),300		PE0812 111
		INITIAL	MXSAAA(122,1),226000/MXSAAA(122,2),300		PE0812 112
		INITIAL	MXSAAA(123,1),226000/MXSAAA(123,2),300		PE0812 113

LOCK	LOC	CFPPATCN	A, P, C, D, E, F, G, H, I, J	COMMENTS	PE0812	CARD NUMBER
		INITIAL	MXSAAA(112,1),226000/MXSAAA(112,2),300		PE0812	114
		INITIAL	MXSAAA(112,3),4		PE0812	115
		INITIAL	MXSAAA(113,5),226000/MXSAAA(113,2),300		PE0812	116
		INITIAL	MXSAAA(113,3),4		PE0812	117
		INITIAL	MXSAAA(114,1),226000/MXSAAA(114,2),300		PE0812	118
		INITIAL	MXSAAA(114,3),4		PE0812	119
		INITIAL	MXSAAA(115,1),226000/MXSAAA(115,2),300		PE0812	120
		INITIAL	MXSAAA(115,3),4		PE0812	121
		INITIAL	MXSAAA(116,1),226000/MXSAAA(116,2),300		PE0812	122
		INITIAL	MXSAAA(116,3),4		PE0812	123
		INITIAL	MXSAAA(117,1),226000/MXSAAA(117,2),300		PE0812	124
		INITIAL	MXSAAA(117,3),4		PE0812	125
		INITIAL	MXSAAA(118,1),18300/MXSAAA(118,2),350/MXSAAA(118,3),1		PE0812	126
		INITIAL	MXSAAA(119,1),18300/MXSAAA(119,2),350/MXSAAA(119,3),1		PE0812	127
		INITIAL	MXSAAA(120,1),18300/MXSAAA(120,2),350/MXSAAA(120,3),1		PE0812	128
		INITIAL	MXSAAA(121,1),18300/MXSAAA(121,2),350/MXSAAA(121,3),1		PE0812	129
		INITIAL	MXSAAA(122,1),18300/MXSAAA(122,2),300/MXSAAA(122,3),1		PE0812	130
		INITIAL	MXSAAA(123,1),18300/MXSAAA(123,2),300/MXSAAA(123,3),1		PE0812	131
		INITIAL	MXSAAA(124,1),18300/MXSAAA(124,2),300/MXSAAA(124,3),1		PE0812	132
		INITIAL	MXSAAA(125,1),18300/MXSAAA(125,2),300/MXSAAA(125,3),1		PE0812	133
		INITIAL	MXSAAA(126,1),18300/MXSAAA(126,2),300/MXSAAA(126,3),1		PE0812	134
		INITIAL	MXSAAA(127,1),18300/MXSAAA(127,2),300/MXSAAA(127,3),1		PE0812	135
		INITIAL	MXSAAA(128,1),18300/MXSAAA(128,2),300/MXSAAA(128,3),1		PE0812	136
		INITIAL	MXSAAA(129,1),18300/MXSAAA(129,2),300/MXSAAA(129,3),1		PE0812	137
		INITIAL	MHSCCC(16,1-3),60		PE0103	3
		INITIAL	MHSCCC(7,1),11/MHSCCC(7,2),12/MHSCCC(7,3),13		PE1208	15
		INITIAL	MHSCCC(9,1-3),2/MHSCCC(9,1-3),30/MHSCCC(10,1-3),5		PE1208	16
		INITIAL	MHSCCC(11,1-9),132/MHSCCC(12,1),14/MHSCCC(12,2),15		PE0215	1
		INITIAL	MHSCCC(12,3),16/MHSCCC(13,1-3),2/MHSCCC(14,1-3),30		PE1208	18
		INITIAL	MHSCCC(15,1-9),1320/MHSCCC(16,1-3),30		PE0215	2
		INITIAL	MHSCCC(17,1-2),1320		PE0215	3
		INITIAL	MHSCCC(18,1),13/MHSCCC(18,2),19		PE0111	5
		INITIAL	MHSCCC(19,1-2),2/MHSCCC(20,1-2),30		PE0215	4
		INITIAL	MHSCCC(21,1-2),1320		PE0215	5
		INITIAL	MHSCCC(22,1-2),33/MHSCCC(23,1-2),8		PE0111	7
		INITIAL	MHSCCC(16,4-9),2/MHSCCC(7,4-9),21/MHSCCC(16,4-9),1		PE0103	4
		INITIAL	MHSCCC(19,4-9),10/MHSCCC(10,4-9),1		PE0215	6
		INITIAL	MHSCCC(12,4-9),22/MHSCCC(13,4-9),1/MHSCCC(14,4-9),10		PE1212	16
		INITIAL	MHSCCC(16,4-9),23/MHSCCC(17,4-9),1		PE0215	7
		INITIAL	MHSCCC(18,4-9),2/MHSCCC(19,4-9),14/MHSCCC(19,5),16		PE1212	18
		INITIAL	MHSCCC(19,6),15/MHSCCC(20,4-6),1/MHSCCC(21,4-6),12		PE1212	19
		INITIAL	MHSCCC(22,4-6),22/MHSCCC(23,4-6),1/MHSCCC(24,4-6),10		PE1212	20
		INITIAL	MHSCCC(25,1-2),240		PE0320	10
		INITIAL	MHSCCC(25,4),24/MHSCCC(25,5),26/MHSCCC(25,6-7),24		PE1212	21
		INITIAL	MHSCCC(25,8),26/MHSCCC(25,9),24/MHSCCC(26,4-9),1		PE1212	22
		INITIAL	MHSCCC(27,4-9),13/MHSCCC(28,4-9),12		PE0215	8
		INITIAL	MHSCCC(29,7-9),1320		PE0215	9
		INITIAL	MHSCCC(30,4),25/MHSCCC(30,5),27/MHSCCC(30,6),25		PE1212	24
		INITIAL	MHSCCC(31,4-6),1/MHSCCC(32,4-6),2/MHSCCC(33,4),18		PE1212	25
		INITIAL	MHSCCC(33,5),20/MHSCCC(33,6),19/MHSCCC(34,4-6),1		PE1212	26
		INITIAL	MHSCCC(35,4-6),12/MHSCCC(36,4),24/MHSCCC(36,5),26		PE0103	5
		INITIAL	MHSCCC(36,6),24/MHSCCC(37,4-6),1/MHSCCC(38,4-6),10		PE1212	28
		INITIAL	MHSCCC(39,4-6),1320/MHSCCC(40,4-6),22		PE0215	10
		INITIAL	MHSCCC(41,4-6),1		PE0215	11
		INITIAL	MHSCCC(42,4-6),10		PE1212	30

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,F,G,H,I,J	COMMENTS	CARD NUMBER
		INITIAL	MH\$CCC(4,3,1-4),1320/MH\$CCC(4,4,13),20/MH\$CCC(4,4,2),31	PE0111	8
		INITIAL	MH\$CCC(4,4,3),32/MH\$CCC(4,4,4),33/MH\$CCC(4,5,1-4),1	PE0111	9
		INITIAL	MH\$CCC(4,6,1-4),30/MH\$CCC(4,7,1-4),1320	PE0111	10
		INITIAL	MH\$CCC(4,8,1-4),12	PE0111	11
		INITIAL	MH\$CCC(4,9,4-9),1320	PE0216	1
		INITIAL	MH\$CCC(16,10-13),4	PE0134	10
		INITIAL	MH\$CCC(13,10),6/MH\$CCC(14,11),10500/MH\$CCC(14,12),500	PE0110	2
		INITIAL	MH\$CCC(13,12),10000/MH\$CCC(13,13),27254	PE0216	2
		INITIAL	MH\$CCC(14,13),27754	PE0216	3
		INITIAL	MH\$CCC(15,10),900/MH\$CCC(16,11),10/MH\$CCC(17,11),2	PE0110	3
		INITIAL	MH\$CCC(15,11),480/MH\$CCC(19,11),600	PE0110	4
		INITIAL	MH\$CCC(20,12-13),20/MH\$CCC(21,12-13),1	PE0110	5
		INITIAL	MH\$CCC(22,12-13),2/MH\$CCC(23,12-13),1	PE0110	6
		INITIAL	MH\$CCC(24,12-13),480/MH\$CCC(25,12-13),30	PE0110	7
		INITIAL	MH\$CCC(26,12-13),1/MH\$CCC(27,12-13),2	PE0113	8
		INITIAL	MH\$CCC(28,12-13),2100/MH\$CCC(29,12-13),29	PE0110	9
		INITIAL	MH\$CCC(30,12-13),1/MH\$CCC(31,12-13),2	PE0110	10
		INITIAL	MH\$CCC(32,11),120/MH\$CCC(32,12),360	PE0514	1
		INITIAL	MH\$CCC(20,7),720	PE0819	1
		INITIAL	MH\$CCC(1,1),30/MH\$CCC(1,2-3),60/MH\$CCC(1,4),30	PE0412	2
		INITIAL	MH\$CCC(1,5-6),60/MH\$CCC(1,7-9),60	PE0412	3
		INITIAL	MH\$CCC(2,1),20/MH\$CCC(2,2-3),10/MH\$CCC(2,4),20	PE0412	4
		INITIAL	MH\$CCC(2,5-6),10/MH\$CCC(2,7-9),10	PE0412	5
		INITIAL	MH\$CCC(1,10-13),60/MH\$CCC(2,10-13),10	PE0412	6
		INITIAL	MH\$FFF(3,1),20200/MH\$FFF(3,2),26400	PE0111	12
		INITIAL	MH\$FFF(3,3),35376/MH\$FFF(3,4),29040	PE0111	13
		INITIAL	MH\$CCC(13,1),60/MH\$CCC(10,2-3),50	PE0712	9
		INITIAL	MH\$CCC(10,4-9),10	PE0712	10
		INITIAL	MH\$NNN(1,1),700/MH\$NNN(2,1),411/MH\$NNN(3,1),98	PE0822	38
		INITIAL	MH\$NNN(4,1),154/MH\$NNN(5,1),34/MH\$NNN(6,1),9900	PE0822	39
		INITIAL	MH\$NNN(7,1),3250/MH\$NNN(8,1),6050/MH\$NNN(9,1),5000	PE0822	40
		INITIAL	MH\$NNN(10,1),1222/MH\$NNN(11,1),1222/MH\$NNN(12,1),1222	PE0822	41
		INITIAL	MH\$NNN(13,1),1222/MH\$NNN(14,1),1162/MH\$NNN(15,1),1162	PE0822	42
		INITIAL	MH\$NNN(16,1),1420/MH\$NNN(17,1),131/MH\$NNN(18,1),243	PE0822	43
		INITIAL	MH\$NNN(19,1),75/MH\$NNN(20,1),384/MH\$NNN(21,1),2070	PE0822	44
		INITIAL	MH\$NNN(22,1),2373/MH\$NNN(23,1),2070/MH\$NNN(24,1),2070	PE0822	45
		INITIAL	MH\$NNN(25,1),1480/MH\$NNN(26,1),1480/MH\$NNN(27,1),1480	PE0822	46
		INITIAL	MH\$NNN(28,1),1487/MH\$NNN(29,1),400/MH\$NNN(30,1),9900	PE0822	47
		INITIAL	MH\$NNN(31,1),3250/MH\$NNN(32,1),6050/MH\$NNN(33,1),5000	PE0822	48
			NATURE	NATURE	68
			NATURE	NATURE	69
			NATURE	NATURE	70
			NATURE	NATURE	71
			NATURE	NATURE	72
			NATURE	NATURE	73
			NATURE	NATURE	74
			NATURE	NATURE	75
			NATURE	NATURE	76
			NATURE	NATURE	77
			NATURE	NATURE	78
			NATURE	NATURE	79
			NATURE	NATURE	80
			NATURE	NATURE	81
			NATURE	NATURE	82
			NATURE	NATURE	83
			NATURE	NATURE	84
			NATURE	NATURE	85
			NATURE	NATURE	86
			NATURE	NATURE	87
			NATURE	NATURE	88
			NATURE	NATURE	89
			NATURE	NATURE	90
			NATURE	NATURE	91
			NATURE	NATURE	92
			NATURE	NATURE	93

MODEL SEGMENT 1 LANDING OPERATION

GENERATE ***1 LANDING OPERATION

ADVANCE MH\$CCC(25,1) SHORE PARTY ARRIVES WITH CONSTRUCTION

3 ADVANCE MH\$CCC(25,2) EQUIPMENT

4 LOGIC S 1 SHORE PARTY LAYS OUT BEACH

5 TERMINATE 1 SET LOGIC SWITCH 1

MODEL SEGMENT 2 BSA DEVELOPMENT

1 = BSA ROADS

2 = DUMP 1

3 = DUMP 2

4 = DUMP 3

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	NATURE	CARD NUMBER
6		OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	NATURE	94
7		5 = DUMP 4			NATURE	95
8		GFMRATE	1,1,6	BSA DEVELOPMENT	NATURE	96
9		GATE LS	1	TEST FOR ARRIVAL OF EQUIPMENT	PE0525	97
10	BSAA	SPLIT	4,BSAA,1	FIVE TRANSACTIONS REQUIRED	NATURE	98
11		PRIORITY	VSPTTY	ASSIGN PRIORITIES	NATURE	99
12		ASSIGN	3,MH\$B\$B(1,1),P3		NATURE	100
13		ADVANCE	MH\$CCC(32,11)	DELAY TIME	PE0504	2
14		QUEUE	BSRUL		PE0321	1
15		ENTER	9ULL,MX\$AAA(P3,3)	CAPTURE BULLDOZER MAX 5	NATURE	101
16		*MARK	2	COPY CLOCK INTO PARAMETER 2	PE0420	37
17		MSAVEVALUE	MMH,P1,1,VS\$AR,HL	SAVE START TIME FOR EACH	PE0820	38
18				PSA COMPONENT	PE0820	39
19		DEPART	BSBUL		PE0321	2
20		LEAVE	VSAAA	CLFAR	NATURE	102
21		TEST E	P1,2,BSAR	TEST FOR DUMP 1	NATURE	103
22		ASSIGN	3,7		PE0320	19
23		ADVANCE	MH\$CCC(32,11)	DELAY TIME	PE0320	20
24		QUEUE	BSSCP		PE0504	3
25		ENTER	SCPR,MX\$AAA(P3,3)	CAPTURE SCRAPER MAX 1	PE0321	3
26		DEPART	PSSCP		PE0320	21
27		ADVANCE	VSAAA	DEPOSIT MATERIAL FOR PERMS	PE0321	4
28		LEAVE	SCPR,MX\$AAA(P3,3)	FREE SCRAPER	PE0320	22
29		ASSIGN	3,8		PE0320	23
30		ADVANCE	MH\$CCC(32,11)	DELAY TIME	PE0320	24
31		QUEUE	9SLL0		PE0504	4
32		ENTER	SLDR,MX\$AAA(P3,3)	CAPTURE SCOOP LOADER MAX 1	PE0321	5
33		DEPART	9SLL0		PE0320	25
34		ADVANCE	VSAAA	PILE EARTH, SHAPE BERMS	PE0321	6
35		LEAVE	SLDR,MX\$AAA(P3,3)	FREE SCOOP LOADER	PE0320	26
36		TRANSFER	9SAF		PE0320	27
37	BSAR	TEST E	P1,1,BSAF	TEST FOR BSA ROADS	PE0320	28
38		ASSIGN	3,9		PE0320	29
39		ADVANCE	MH\$CCC(32,11)	DELAY TIME	PE0504	5
40		QUEUE	BSSCP		PE0321	7
41		ENTER	SCPR,MX\$AAA(P3,3)	CAPTURE SCRAPER MAX 1	PE0320	31
42		DEPART	9SSCP		PE0321	8
43		ADVANCE	VSAAA	STPIP ROADS	PE0320	32
44		LEAVE	SCPR,MX\$AAA(P3,3)	FREE SCRAPER	PE0320	33
45		ASSIGN	3,13		PE0320	34
46		QUEUE	MH\$CCC(32,11)	DELAY TIME	PE0504	6
47		ENTER	BSDT9		PE0321	9
48		DEPART	OTRK,MX\$AAA(P3,3)	CAPTURE DUMP TRUCK MAX 1	PE0320	35
49		ADVANCE	VSAAA	FILL (SUBSURFACE)	PE0321	10
50		LEAVE	OTRK,MX\$AAA(P3,3)	FREE DUMP TRUCK	PE0320	36
51		ASSIGN	3,11		PE0320	37
52		ADVANCE	MH\$CCC(32,11)	DELAY TIME	PE0504	7
53		QUEUE	9SRL0		PE0321	11
54		ENTER	RLLR,MX\$AAA(P3,3)	CAPTURE ROLLER MAX 1	PE0320	39
55		DEPART	9SRL0		PE0321	12
56		ADVANCE	VSAAA	COMPACT (SUBSURFACE)	PE0320	40
57		LEAVE	9LLR,MX\$AAA(P3,3)	FREE ROLLER	PE0320	41
58		ASSIGN	3,12		PE0320	42

BLOCK NUMBER	*LOC	*OPERATION	A,3,C,0,E,F,G,H,I,J	COMMENTS	CARD NUMBER
58		ADVANCE	MHSCCC(32,11)	DELAY TIME	PE0504 8
59		QUEUE	BSGRD		PE0321 13
60		ENTFR	GRDR,MX\$AAA(P3,3)	CPTURE GRADER MAX 1	PE0320 43
61		DEPART	BSGRD		PE0321 14
62		ADVANCE	V\$AAA GRADE		PE0320 44
63		LEAVE	GDDR,MX\$AAA(P3,3)	FREE GRADER	PE0320 45
64		ASSIGN	3,13		PE0320 46
65		ADVANCE	MHSCCC(32,11)	DELAY TIME	PE0504 9
66		QUEUE	ASDTR		PE0321 15
67		ENTFR	DTRK,MX\$AAA(P3,3)	CAPTURE DUMP TRUCK MAX 1	PE0320 47
68		DEPART	BSDTR		PE0321 16
69		ADVANCE	V\$AAA	FILL (SURFACE)	PE0320 48
70		LEAVE	DTRK,MX\$AAA(P3,3)	FREE DUMP TRUCK	PE0320 49
71		ASSIGN	3,14		PE0320 50
72		ADVANCE	MHSCCC(32,11)	DELAY TIME	PE0504 10
73		QUEUE	BSOLL		PE0321 17
74		ENTFR	RLLR,MX\$AAA(P3,3)	CAPTURE ROLLER MAX 1	PE0320 51
75		DEPART	BSRLL		PE0321 18
76		ADVANCE	V\$AAA	COMPACT (SURFACE)	PE0320 52
77		LEAVE	RLLR,MX\$AAA(P3,3)	FREE ROLLER	PE0320 53
78	BSAF	MARK	2	COPY CLOCK INTO PARAMETER 2	PE1201 55
79		MSAVEVALUE	DDD,P1,V\$AAB,HL	PUT CLOCK VALUE IN MATRIX	PE1201 56
80		MSAVEVALUE	MMM,P1,2,V\$AAB,HL	SAVE COMPLETION TIME FOR EACH BSA COMPONENT	PE0823 40
81		TERMINATE			PE0820 41
82		GENERATE	1,1,5	TEMPORARY ROUTES	PE1201 57
83		GATE LS	1		PE1130 38
84		ASSIGN	1,5		PE1130 39
85		SPLIT	3,MSRA,1	FOUR TRANSACTIONS REQUIRED	PE1130 40
86	MSRA	PRIORITY	V\$PRPT	ASSIGN PRIORITIFS	PE1130 41
87		ASSIGN	4,P1		PE1130 42
88		ASSIGN	4-5		PE1130 43
89		ASSIGN	3,MH\$88B(7,P4)		PE1130 44
90		ADVANCE	MHSCCC(32,12)	DELAY TIME	PE0504 11
91		QUEUE	MSRUL		PE0321 19
92		ENTFR	GULL,MX\$AAA(P3,3)	CAPTURE BULLDOZER MAX 4	PE1130 60
93		MARK	2	COPY CLOCK INTO PARAMETER 2	PE0320 42
94		MSAVEVALUE	MMM,P1,1,V\$AAB,HL	SAVE START TIME FOR EACH TEMPORARY MSR COMPONENT	PE0820 43
95		DEPART	MSBUL		PE0820 44

PLCND NUMBR	*LOC	OPDPATTON	A, R, G, D, F, G, H, I, J	COMMENTS	PE1130	CARD NUMBER
96		ADVANCE	V\$AAA CLEAR		PE1130	660
97		LEAVE	BULL, MX\$AAA(P3,3)	FREE RULLNOZER	PE1130	661
98		MARK	2	COPY CLOCK INTO PARAMETER 2	PE1130	662
99		MSAVEVALUE	DDD, 2, P4, V\$AAB, ML	PUT CLOCK VALUE IN MATRIX	PE1201	663
100	*	*SAVEVALUE	MMM, P1, 2, V\$AAB, ML	SAVE COMPLETION TIME FOR EACH TEMPORARY MSR COMPONENT	PE0820	664
101		ASSEMBLE	4	TEMPORARY MSR COMPONENT	PE0820	665
102		LOGIC S	2	SET LOGIC SWITCH 2	PE03J1	666
103	*	TERMINATE			PE03J1	667
	*	PERMANENT ROUTES			PE1130	668
	*	PERMANENT ROUTES			PE1130	669
	*	PERMANENT ROUTES			PE1130	670
	*	PERMANENT ROUTES			PE1130	671
104		GENERATE	,,,1,1	PERMANENT ROUTES	PE0222	672
105		GATE LS	2	TEST FOR COMPLETION OF TEMPORARY ROUTES	PE03J1	673
106	*	ADVANCE	MH\$CCC(2,7)	DELAY TIME BEFORE STARTING PERMANENT MSR CONSTRUCTION	PE0819	674
107		ASSIGN	1,29		PE0819	675
108		SPLIT	3, MSR, 1	FOUR TRANSACTIONS REQUIRED	PE1130	676
109	MSDR	PRIORITY	V\$PROTY	ASSIGN PRIORITIES	PE1130	677
110		ASSIGN	4, P1		PE1130	678
111		ASSIGN	4, 29		PE1130	679
112		ASSIGN	3, MH\$BB(10, P4)		PE1130	680
113		ADVANCE	MH\$CCC(32, 12)	DELAY TIME	PE1130	681
114		QUEUE	MSSCP		PE0504	682
115		ENTER	SCPR, MX\$AAA(P3,3)	CAPTURE SCRAPER MAX 4	PE0321	683
116		MARK	2	COPY CLOCK INTO PARAMETER 2	PE1130	684
117	*	*SAVEVALUE	MMM, P1, 1, V\$AAB, ML	SAVE START TIME FOR EACH PERMANENT MSR COMPONENT	PE0820	685
118		DEPART	MSSCP		PE0820	686
119		ADVANCE	V\$AAA	STRIP	PE0321	688
120		LEAVE	SCPR, MX\$AAA(P3,3)	FREE SCRAPER	PE1130	689
121		ASSIGN	3, MH\$BB(11, P4)		PE1130	690
122		ADVANCE	MH\$CCC(32, 12)	DELAY TIME	PE0504	691
123		QUEUE	MSRLL		PE0321	692
124		ENTER	RLR, MX\$AAA(P3,3)	CAPTURE ROLLER MAX 4	PE1130	693
125		DEPART	MSRLL		PE1130	694
126		ADVANCE	V\$AAA	COMPACT	PE0321	695
127		LEAVE	PLLR, MX\$AAA(P3,3)	FREE ROLLER	PE1130	696
128		ASSIGN	3, MH\$BB(12, P4)		PE1130	697
129		ADVANCE	MH\$CCC(32, 12)	DELAY TIME	PE1130	698
130		QUEUE	MSGRD		PE0504	699
131		ENTER	GRDR, MX\$AAA(P3,3)	CAPTURE GRADER MAX 4	PE0321	700
132		DEPART	MSGRD		PE1130	701
133		ADVANCE	V\$AAA	FREE GRADER	PE0321	702
134		LEAVE	GRDR, MX\$AAA(P3,3)		PE1130	703
135		TEST G	P1, 31, MSRC		PE1130	704
136		TRANSFER	*MSRD		PE1130	705
137	MSDC	ASSIGN	3, MH\$BB(13, P4)		PE0815	706
138		ADVANCE	MH\$CCC(32, 12)	DELAY TIME	PE0504	708
139		QUEUE	MSSFC		PE0321	709
140		ENTER	SFCR, MX\$AAA(P3,3)	CAPTURE SURFACER MAX 2	PE1130	710
141		DEPART	V\$AAA		PE0321	711
142		ADVANCE	SFCR, MX\$AAA(P3,3)	FREE SURFACER	PE1130	712
143		LEAVE	MARK		PE1130	713
144	MSDC	MARK	2	COPY CLOCK INTO PARAMETER 2	PE1130	714

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	PE1201	CARD NUMBER
145	*	MSAVEVALUE DDD,3,P4,V\$AAR,ML		PUT CLOCK VALUE IN MATRIX	PE1201	59
146	*	MSAVEVALUE MMM,P1,2,V\$AAB,ML		SAVE COMPLETION TIME FOR EACH PERMANENT MSR COMPONENT	PE082J	716
147	*	TERMINATE			PE1130	51
					PE1201	105
					PE1201	60
					PE1201	719
					PE1201	61
					PE1201	720
					PE1201	62
					PE1201	721
					PE1201	63
					PE1201	722
					PE1201	64
					PE1201	723
					PE1201	65
					PE1201	724
					PE1201	66
					PE1201	725
					PE1201	67
					PE1201	726
					PE1201	68
					PE1201	727
					PE1201	69
					PE1201	728
					PE1201	70
					PE1201	729
					PE0222	16
					PE0301	730
					PE0301	10
					PE0819	4
					PE0819	732
					PE1201	5
					PE1201	733
					PE1201	73
					PE1201	734
					PE1201	74
					PE1201	735
					PE1201	75
					PE1201	736
					PE1201	76
					PE1201	737
					PE1201	77
					PE1201	738
					PE1201	78
					PE0504	18
					PE0321	740
					PE1201	33
					PE1201	79
					PE0820	742
					PE0820	52
					PE0820	743
					PE0820	53
					PE0820	744
					PE0820	54
					PE0321	745
					PE1201	34
					PE1201	746
					PE1201	80
					PE1201	747
					PE1201	81
					PE1201	748
					PE1201	82
					PE1201	749
					PE1201	83
					PE1201	750
					PE1201	84
					PE0504	751
					PE0321	19
					PE0321	752
					PE1201	35
					PE1201	753
					PE1201	85
					PE0321	754
					PE0321	36
					PE1201	755
					PE1201	86
					PE1201	756
					PE1201	87
					PE1201	757
					PE1201	88
					PE1201	758
					PE1201	89
					PE0504	20
					PE0321	760
					PE1201	37
					PE1201	761
					PE1201	90
					PE0321	762
					PE0321	38
					PE1201	763
					PE1201	91
					PE1201	764
					PE1201	92
					PE1201	765
					PE1201	93
					PE1201	766
					PE0504	94
					PE0504	21
					PE0321	768
					PE0321	39

LOCK NUMBER	*LOC	*OPERATION	A, B, C, D, F, G, H, I, J	COMMENTS	PEUJJI	CARD NUMBER
227		GATE LS	2	TEST FOR COMPLETION OF TEMPORARY ROUTES	PEUJJI	11
228		ADVANCE	MH\$CCC(20,9)	DELAY TIME BEFORE STARTING ASP CONSTRUCTION	PE0819	6
229		ASSIGN	1,20		PE1206	37
230		SPLIT	8,ASPA,1	NINE TRANSACTIONS REQUIRED	PE1206	38
231	ASPA	PRIORITY	VERPRTY	ASSIGN PRIORITIES	PE1206	39
232		ASSIGN	4,P1		PE1206	40
233		ASSIGN	4-120		PE1206	41
234		ASSIGN	3,MH\$PAB(21,P4)		PE1206	42
235		ADVANCE	MH\$CCC(32,12)	DELAY TIME	PE0544	24
236		ADVANCE	ASBUL		PE0321	45
237		ENTER	PULL,MH\$AAA(P3,3)	CAPTURE ROLL'GRER MAX 9	PE1206	43
238		MARK	2	COPY CLOCK INTO PARAMETER 2	PE0820	57
239		MSAVEVALUE	MM,P1,1,V\$LAB,ML	SAVE START TIME FOR EACH ASP COMPONENT	PE0820	58
240		DEPART	ASBUL		PE0321	46
241		ADVANCE	V\$AAA	CLEAR	PE1206	44
242		LEAVE	PULL,MH\$AAA(P3,3)	FREE BULLDOZER	PE1206	45
243		TEST NF	P1,29,ASPH		PE1206	46
244		TEST G	P1,24,ASPH		PE1206	47
245		ASSIGN	3,MH\$B9B(21,P4)		PE1206	48
246		ADVANCE	MH\$CCC(32,12)	DELAY TIME	PE0504	25
247		ENTER	ASSCP		PE0321	47
248		ENTER	SCPP,MH\$AAA(P3,3)	CAPTURE SCRAPER MAX 4	PE1206	49
249		DEPART	ASSCP		PE0321	48
250		ADVANCE	V\$AAA	DEPOSIT MATERIAL FOR BERM	PE1206	50
251		LEAVE	SCPP,MH\$AAA(P3,3)	FREE SCRAPER	PE1206	51
252		ASSIGN	3,MH\$B9B(21,P4)		PE1206	52
253		ADVANCE	MH\$CCC(32,12)	DELAY TIME	PE0504	26
254		ENTER	ASLCL		PE0321	49
255		ENTER	SLOP,MH\$AAA(P3,3)	CAPTURE SCOOP LOADER MAX 4	PE1206	53
256		DEPART	ASLCL		PE0321	50
257		ADVANCE	V\$AAA	PILE EARTH AT BERMS	PE1206	54
258		LEAVE	SLOP,MH\$AAA(P3,3)	FREE SCOOP LOADER	PE1206	55
259		ASSIGN	3,MH\$B9B(21,P4)		PE1206	56
260		ADVANCE	MH\$CCC(32,12)	DELAY TIME	PE0504	27
261		ENTER	ASGRD		PE0321	51
262		ENTER	GRDR,MH\$AAA(P3,3)	CAPTURE GRADER MAX 4	PE1206	57
263		DEPART	ASGRD		PE0321	52
264		ADVANCE	V\$AAA	SHAPE BERMS	PE1206	58
265		LEAVE	GRDR,MH\$AAA(P3,3)	FREE GRADEP	PE1206	59
266		TRANSFEE	ASPH		PE1206	60
267	ASPR	SPLIT	1,ASPC		PE1206	61
268		ASSIGN	3,MH\$PAB(24,P4)		PE1206	62
269		ADVANCE	MH\$CCC(32,12)	DELAY TIME	PE0504	28
270		ENTER	ASPLL		PE0321	53
271		ENTER	PULL,MH\$AAA(P3,3)	CAPTURE ROLLER MAX 4	PE1206	63
272		DEPART	ASPLL		PE0321	54
273		ADVANCE	V\$AAA	COMPACT ROAD	PE1206	64
274		LEAVE	PULL,MH\$AAA(P3,3)	FREE ROLLER	PE1206	65
275		ASSIGN	3,MH\$B9B(25,P4)		PE1206	66
276		ADVANCE	MH\$CCC(32,12)	DELAY TIME	PE0504	29
277		ENTER	ASGRD		PE0321	55
278		ENTER	GRDR,MH\$AAA(P3,3)	CAPTURE GRADER MAX 4	PE1206	67
279		DEPART	ASGRD		PE0321	56

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,F,G,H,I,J	COMMENTS	PEI206	CARD NUMBER
280		ADVANCE	V\$AAA	GRADE ROADS	PEI206	880
281		LEAVE	GRDR,MX\$AAA(P3,3)	FREE GRADER	PEI206	881
282		TRANSFER	,ASPD		PEI206	882
283	ASPC	ASSIGN	3,MH\$R9R(26,P4)		PEI206	883
284		ADVANCE	MH\$CCC(32,12)	DELAY TIME	PE0524	884
285		QUEUE	ASSCP		PE0321	885
286		ENTER	SCPR,MX\$AAA(P3,3)	CAPTURE SCRAPER	PEI206	886
287		DEPART	ASSCP		PE0321	887
288		ADVANCE	V\$AAA	STRIP ROADS	PEI206	888
289		LEAVE	SCPR,MX\$AAA(P3,3)	FREE SCRAPER	PEI206	889
290	ASPC	TEST E	P1,21,ASPE		PEI206	890
291		ASSEMBLE	2		PEI206	891
292		TRANSFER	,ASPH		PEI206	892
293	ASPF	TEST E	P1,22,ASPF		PEI206	893
294		ASSEMBLE	2		PEI206	894
295		TRANSFER	,ASPH		PEI206	895
296	ASPF	TEST F	P1,23,ASPG		PEI206	896
297		ASSEMBLE	2		PEI206	897
298		TRANSFER	,ASPH		PEI206	898
299	ASPC	ASSEMBLE	2		PEI206	899
300	ASPH	MARK	2		PEI206	900
301		M\$SAVEVALUE	DDC,5,P4,V\$AAB,ML	COPY CLOCK INTO PARAMETER 2	PEI206	901
302		M\$SAVEVALUE	MHM,P1,2,V\$AAB,ML	PUT CLOCK VALUE IN MATRIX	PE0820	902
				SAVE COMPLETION TIME FOR EACH ASP COMPONENT	PE0820	903
303	ASPJ	TERMINATE			PEI208	904
					PE0525	905
					PE0525	906
					PE0525	907
					PE0525	908
					PEJ525	909
					PE0525	910
					PE0525	911
					PE0525	912
304		GENERATE	,,1,4	AMPHIBIOUS ASSAULT FUEL SYSTEM (AAFS)	PE0525	913
305		GATE LS	2	TEST FOR COMPLETION OF TEMPORARY ROUTES	PE0525	914
306		ADVANCE	MH\$CCC(20,10)	DELAY TIME BEFORE STARTING AAFS CONSTRUCTION	PE0819	915
					PE0819	916
307		ASSIGN	1,9		PE0525	917
308		SPLIT	3,AAFS4,1	FOUR TRANSACTIONS REQUIRED	PEJ525	918
309	AAFS4	PRIORITY	V\$PRTY	ASSIGN PRIORITIES	PE0525	919
310		ASSIGN	4,P1		PE0525	920
311		ASSIGN	4,-9		PE0525	921
312		ASSIGN	3,MH\$R9R(27,P4)		PE0525	922
313		ADVANCE	MH\$CCC(32,12)	DELAY TIME	PE0525	923
314		QUEUE	ABUL		PE0525	924
315		ENTER	PULL,MX\$AAA(P3,3)	CAPTURE BULLDOZER	PE0525	925
316		MARK	2	COPY CLOCK INTO PARAMETER 2	PE0820	926
317		M\$SAVEVALUE	MHM,F1,1,V\$AAB,ML	SAVE START TIME FOR EACH AAFS COMPONENT	PE0820	927
					PE0820	928
318		DEPART	ABUL		PE0525	929
319		ADVANCE	V\$AAA	CLEAR	PE0525	930
320		LEAVE	PULL,MX\$AAA(P3,3)	FREE BULLDOZER	PE0525	931
321		ASSIGN	3,MH\$R9R(28,P4)		PE0525	932
322		ADVANCE	MH\$CCC(32,12)	DELAY TIME	PE0525	933
323		QUEUE	AAGRD		PE0525	934

FLOCK NUMBER	*LOC	OPERATION	A,P,C,D,F,G,H,I,J	COMMENTS	PE0525	CARD NUMBER
324		ENTER	GRDR,MY\$AAA(P3,3)	CAPTURE GRADER	MAX 4	41
325		DEPART	AACRD			42
326		ADVANCE	V\$AAA	GRADE		43
327		LEAVE	GRDR,MY\$AAA(P3,3)	FREE GRADER		44
328		ASSIGN	3,MY\$BBB(25,P4)			45
329		ADVANCE	MY\$CCC(32,12)	DELAY TIME		46
330		QUEUE	AASCP			47
331		ENTER	GRDR,MY\$AAA(P3,3)	CAPTURE SCRAPER	MAX 4	48
332		DEPART	AASCP			49
333		ADVANCE	V\$AAA	DEPOSIT BERM MATERIAL		50
334		LEAVE	GRDR,MY\$AAA(P3,3)	FREE SCRAPER		51
335		ASSIGN	3,MY\$BBB(30,P4)			52
336		ADVANCE	MY\$CCC(32,12)	DELAY TIME		53
337		QUEUE	AASLO			54
338		ENTER	GRDR,MY\$AAA(P3,3)	CAPTURE SCOOP LOADER	MAX 4	55
339		DEPART	AASLO			56
340		ADVANCE	V\$AAA	PILE EARTH AT BERM		57
341		LEAVE	GRDR,MY\$AAA(P3,3)	FREE SCOOP LOADER		58
342		ASSIGN	3,MY\$BBB(31,P4)			59
343		ADVANCE	MY\$CCC(32,12)	DELAY TIME		60
344		QUEUE	AACRD			61
345		ENTER	GRDR,MY\$AAA(P3,3)	CAPTURE GRADER	MAX 4	62
346		DEPART	AACRD			63
347		ADVANCE	V\$AAA	SHAPE BERM		64
348		LEAVE	GRDR,MY\$AAA(P3,3)	FREE GRADER		65
349		MARK	2	COPY CLOCK INTO PARAMETER 2		66
350		MSAVEVALUE	DDD,6,P4,V\$AAB,ML	PUT CLOCK VALUE IN MATRIX		67
351		MSAVEVALUE	MMH,P1,2,V\$AAB,ML	SAVE COMPLETION TIME FOR EACH AAFS COMPONENT		68
352		TERMINATE				69
		MODEL SEGMENT	6	CARGO DELIVERY		137
						138
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BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,E,P,G,H,I,J	COMMENTS	PE0803	CARD NUMBER
359		GENERATE	XHSAEC21,,XSAEC22,XHSAEC23		PE0803	3
360		ASSIGN	1,2 ASSIGN CARGO TYPE		PE0712	20
361		ASSIGN	2,XHSAEC24 NUMBER OF PALLET PER LIGHTER		PE0803	4
362		MSAVEVALUE	FFF,1,P1,VSAAN UPDATE AMOUNT OF TYPE 2 CARGO		PE0712	22
			WAITING AT BEACH		PE0712	23
363		UNLINK	PH1,RETRY,ALL		PE0731	2
364		TERMINATE			PE0712	24
		TYPE 3 CARGO FOR ASSAULT ECHELON INITIAL SUPPLY			PE0712	25
365		GENERATE	XHSAEC31,,XSAEC32,XHSAEC33		PE0803	5
366		ASSIGN	1,3 ASSIGN CARGO TYPE		PE0712	27
367		ASSIGN	2,XHSAFC34 NUMBER OF PALLET PER LIGHTER		PE0803	6
368		MSAVEVALUE	FFF,1,P1,VSAAN UPDATE AMOUNT OF TYPE 3 CARGO		PE0712	29
			WAITING AT BEACH		PE0712	30
369		UNLINK	PH1,RETRY,ALL		PE0731	3
370		TERMINATE			PE0712	31
		TYPE 4 CARGO FOR ASSAULT ECHELON INITIAL SUPPLY			PE0712	32
371		GENERATE	XHSAEC41,,XSAEC42,XHSAEC43		PE0803	7
372		ASSIGN	1,4		PE0712	34
373		ASSIGN	2,XHSAEC44 NUMBER OF CONTAINERS PER LIGHTER		PE0803	8
374		MSAVEVALUE	FFF,1,P1,VSAAN UPDATE AMOUNT OF TYPE 4 CARGO		PE0712	36
			WAITING AT BEACH		PE0712	37
375		UNLINK	PH1,RETRY,ALL		PE0731	4
376		TERMINATE			PE0712	38
		TYPE 5 CARGO FOR ASSAULT ECHELON INITIAL SUPPLY			PE0712	39
377		GENERATE	XHSAEC51,,XSAEC52,XHSAEC53		PE0803	9
378		ASSIGN	1,5 ASSIGN CARGO TYPE		PE0712	41
379		ASSIGN	2,XHSAEC54 NUMBER OF CONTAINERS PER LIGHTER		PE0803	10
380		MSAVEVALUE	FFF,1,P1,VSAAN UPDATE AMOUNT OF TYPE 5 CARGO		PE0712	43
			WAITING AT BEACH		PE0712	44
381		UNLINK	PH1,RETRY,ALL		PE0731	5
382		TERMINATE			PE0712	45
		TYPE 6 CARGO FOR ASSAULT ECHELON INITIAL SUPPLY			PE0712	46
383		GENERATE	XHSAEC61,,XSAEC62,XHSAEC63		PE0803	11
384		ASSIGN	1,6 ASSIGN CARGO TYPE		PE0712	48
385		ASSIGN	2,XHSAEC64 NUMBER OF CONTAINERS PER LIGHTER		PE0803	12
386		MSAVEVALUE	FFF,1,P1,VSAAN UPDATE AMOUNT OF TYPE 6 CARGO		PE0712	50
			WAITING AT BEACH		PE0712	51
387		UNLINK	PH1,RETRY,ALL		PE0731	6
388		TERMINATE			PE0712	52
		TYPE 7 CARGO FOR ASSAULT ECHELON INITIAL SUPPLY			PE0712	53
389		GENERATE	XHSAEC71,,XSAEC72,XHSAEC73		PE0803	13
390		ASSIGN	1,7 ASSIGN CARGO TYPE		PE0712	55
391		ASSIGN	2,XHSAEC74 NUMBER OF CONTAINERS PER LIGHTER		PE0803	14
392		MSAVEVALUE	FFF,1,P1,VSAAN UPDATE AMOUNT OF TYPE 7 CARGO		PE0712	57
			WAITING AT BEACH		PE0712	58
393		UNLINK	PH1,RETRY,ALL		PE0731	7
394		TERMINATE			PE0712	59
		TYPE 8 CARGO FOR ASSAULT ECHELON INITIAL SUPPLY			PE0712	60
395		GENERATE	XHSAEC81,,XSAEC82,XHSAEC83		PE0803	15
396		ASSIGN	1,8 ASSIGN CARGO TYPE		PE0712	62
397		ASSIGN	2,XHSAEC84 NUMBER OF CONTAINERS PER LIGHTER		PE0803	16
398		MSAVEVALUE	FFF,1,P1,VSAAN UPDATE AMOUNT OF TYPE 8 CARGO		PE0712	64
			WAITING AT BEACH		PE0712	65
399		UNLINK	PH1,RETRY,ALL		PE0731	8
400		TERMINATE			PE0712	66

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	PEO712	CARD NUMBER
401	*	TYPE 9 CARGO FOR ASSAULT ECHELON INITIAL SUPPLY			PEO712	67
402	*	GENERATE	XH\$AEC91,,X\$AEC92,XH\$AEC93		PEO0J3	17
403	*	ASSIGN	1,9 ASSIGN CARGO TYPE		PEO712	69
404	*	ASSIGN	2,XH\$AEC94 NUMBER OF CONTAINERS PER LIGHTER		PEO803	18
405	*	MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 9 CARGO		PEO712	71
406	*		WAITING AT BEACH		PEO712	72
407	*	UNLINK	PH1,RETRY,ALL		PEO731	9
408	*	TERMINATE			PEO712	73
409	*	TYPE 1 CARGO FOR ASSAULT FOLLOW-ON ECHELON INITIAL SUPPLY			PEO714	7
410	*	GENERATE	XH\$AFE11,,X\$AFE12,XH\$AFE13		PEO0J3	19
411	*	ASSIGN	1,1 ASSIGN CARGO TYPE		PEO714	9
412	*	ASSIGN	2,XH\$AFE14 NUMBER OF PALLETS PER LIGHTER		PEO803	20
413	*	MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 1 CARGO		PEO714	11
414	*		WAITING AT BEACH		PEO714	12
415	*	UNLINK	PH1,RETRY,ALL		PEO731	10
416	*	TERMINATE			PEO714	13
417	*	TYPE 2 CARGO FOR ASSAULT FOLLOW-ON ECHELON INITIAL SUPPLY			PEO714	14
418	*	GENERATE	XH\$AFE21,,X\$AFE22,XH\$AFE23		PEO0J3	21
419	*	ASSIGN	1,2 ASSIGN CARGO TYPE		PEO714	16
420	*	ASSIGN	2,XH\$AFE24 NUMBER OF PALLETS PER LIGHTER		PEO0J3	22
421	*	MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 2 CARGO		PEO714	18
422	*		WAITING AT BEACH		PEO714	19
423	*	UNLINK	PH1,RETRY,ALL		PEO731	11
424	*	TERMINATE			PEO714	20
425	*	TYPE 3 CARGO FOR ASSAULT FOLLOW-ON ECHELON INITIAL SUPPLY			PEO714	21
426	*	GENERATE	XH\$AFE31,,X\$AFE32,XH\$AFE33		PEO0J3	23
427	*	ASSIGN	1,3 ASSIGN CARGO TYPE		PEO714	23
428	*	ASSIGN	2,XH\$AFE34 NUMBER OF PALLETS PER LIGHTER		PEO0J3	24
429	*	MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 3 CARGO		PEO714	25
430	*		WAITING AT BEACH		PEO714	26
431	*	UNLINK	PH1,RETRY,ALL		PEO731	12
432	*	TERMINATE			PEO714	27
433	*	TYPE 4 CARGO FOR ASSAULT FOLLOW-ON ECHELON INITIAL SUPPLY			PEO714	28
434	*	GENERATE	XH\$AFE41,,X\$AFE42,XH\$AFE43		PEO0J3	25
435	*	ASSIGN	1,4 ASSIGN CARGO TYPE		PEO714	30
436	*	ASSIGN	2,XH\$AFE44 NUMBER OF CONTAINERS PER LIGHTER		PEO0J3	26
437	*	MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 4 CARGO		PEO714	32
438	*		WAITING AT BEACH		PEO714	33
439	*	UNLINK	PH1,RETRY,ALL		PEO731	13
440	*	TERMINATE			PEO714	34
441	*	TYPE 5 CARGO FOR ASSAULT FOLLOW-ON ECHELON INITIAL SUPPLY			PEO714	35
442	*	GENERATE	XH\$AFE51,,X\$AFE52,XH\$AFE53		PEO0J3	27
443	*	ASSIGN	1,5 ASSIGN CARGO TYPE		PEO714	37
444	*	ASSIGN	2,XH\$AFE54 NUMBER OF CONTAINERS PER LIGHTER		PEO0J3	28
445	*	MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 5 CARGO		PEO714	39
446	*		WAITING AT BEACH		PEO714	40
447	*	UNLINK	PH1,RETRY,ALL		PEO731	14
448	*	TERMINATE			PEO714	41
449	*	TYPE 6 CARGO FOR ASSAULT FOLLOW-ON ECHELON INITIAL SUPPLY			PEO714	42
450	*	GENERATE	XH\$AFE61,,X\$AFE62,XH\$AFE63		PEO0J3	29
451	*	ASSIGN	1,5 ASSIGN CARGO TYPE		PEO714	44
452	*	ASSIGN	2,XH\$AFE64 NUMBER OF CONTAINERS PER LIGHTER		PEO0J3	30
453	*	MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 6 CARGO		PEO714	46
454	*		WAITING AT BEACH		PEO714	47
455	*	UNLINK	PH1,RETRY,ALL		PEO731	15

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	PE0714	CARD NUMBER
442	*	TERMINATE			PE0714	48
443	*	TYPE 7 CARGO FOR ASSAULT FOLLOW-ON ECHELON INITIAL SUPPLY			PE0714	49
444	*	GENERATE	XH\$AFE71,,X\$AFE72,XH\$AFE73		PE0803	31
445	*	ASSIGN	1,7 ASSIGN CARGO TYPE		PE0714	51
446	*	ASSIGN	2,XH\$AFE74 NUMBER OF CONTAINERS PER LIGHTER		PE0803	32
447	*	M\$AVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 7 CARGO		PE0714	53
448	*		WAITING AT BEACH		PE0714	54
449	*	UNLINK	PH1,RETRY,ALL		PE0731	16
450	*	TERMINATE			PE0714	55
451	*	TYPE 8 CARGO FOR ASSAULT FOLLOW-ON ECHELON INITIAL SUPPLY			PE0714	56
452	*	GENERATE	XH\$AFE81,,X\$AFE82,XH\$AFE83		PE0803	33
453	*	ASSIGN	1,8 ASSIGN CARGO TYPE		PE0714	58
454	*	ASSIGN	2,XH\$AFE84 NUMBER OF CONTAINERS PER LIGHTER		PE0803	34
455	*	M\$AVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 8 CARGO		PE0714	60
456	*		WAITING AT BEACH		PE0714	61
457	*	UNLINK	PH1,RETRY,ALL		PE0731	17
458	*	TERMINATE			PE0714	62
459	*	TYPE 9 CARGO FOR ASSAULT FOLLOW-ON ECHELON INITIAL SUPPLY			PE0714	63
460	*	GENERATE	XH\$AFE91,,X\$AFE92,XH\$AFE93		PE0803	35
461	*	ASSIGN	1,9 ASSIGN CARGO TYPE		PE0714	65
462	*	ASSIGN	2,XH\$AFE94 NUMBER OF CONTAINERS PER LIGHTER		PE0803	36
463	*	M\$AVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 9 CARGO		PE0714	67
464	*		WAITING AT BEACH		PE0714	68
465	*	UNLINK	PH1,RETRY,ALL		PE0731	18
466	*	TERMINATE			PE0714	69
467	*	TYPE 1 CARGO FOR FORCE RESUPPLY FOR MISSION DURATION			PE0717	9
468	*	GENERATE	XH\$FRM11,,X\$FRM12,XH\$FRM13		PE0803	37
469	*	ASSIGN	1,1 ASSIGN CARGO TYPE		PE0717	11
470	*	ASSIGN	2,XH\$FRM14 NUMBER OF PALLETS PER LIGHTER		PE0803	38
471	*	M\$AVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 1 CARGO		PE0717	13
472	*		WAITING AT BEACH		PE0717	14
473	*	UNLINK	PH1,RETRY,ALL		PE0731	19
474	*	TERMINATE			PE0717	15
475	*	TYPE 2 CARGO FOR FORCE RESUPPLY FOR MISSION DURATION			PE0717	15
476	*	GENERATE	XH\$FRM21,,X\$FRM22,XH\$FRM23		PE0803	39
477	*	ASSIGN	1,2 ASSIGN CARGO TYPE		PE0717	18
478	*	ASSIGN	2,XH\$FRM24 NUMBER OF PALLETS PER LIGHTER		PE0803	40
479	*	M\$AVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 2 CARGO		PE0717	20
480	*		WAITING AT BEACH		PE0717	21
481	*	UNLINK	PH1,RETRY,ALL		PE0731	20
482	*	TERMINATE			PE0717	22
483	*	TYPE 3 CARGO FOR FORCE RESUPPLY FOR MISSION DURATION			PE0717	23
484	*	GENERATE	XH\$FRM31,,X\$FRM32,XH\$FRM33		PE0803	41
485	*	ASSIGN	1,3 ASSIGN CARGO TYPE		PE0717	25
486	*	ASSIGN	2,XH\$FRM34 NUMBER OF PALLETS PER LIGHTER		PE0803	42
487	*	M\$AVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 3 CARGO		PE0717	27
488	*		WAITING AT BEACH		PE0717	28
489	*	UNLINK	PH1,RETRY,ALL		PE0731	21
490	*	TERMINATE			PE0717	29
491	*	TYPE 4 CARGO FOR FORCE RESUPPLY FOR MISSION DURATION			PE0717	30
492	*	GENERATE	XH\$FRM41,,X\$FRM42,XH\$FRM43		PE0803	43
493	*	ASSIGN	1,4 ASSIGN CARGO TYPE		PE0717	32
494	*	ASSIGN	2,XH\$FRM44 NUMBER OF CONTAINERS PER LIGHTER		PE0803	44
495	*	M\$AVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 4 CARGO		PE0717	34
496	*		WAITING AT BEACH		PE0717	35

ALPHA NUMBER	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	PE0731	CARD NUMBER
487		UNLINK	PH1,RETRY,ALL		PE0731	22
494		TERMINATE			PE0717	1155
495		TYPE 5 CARGO FOR FORCE RESUPPLY FOR MISSION DURATION			PE0717	36
496		GENERATE	XHFRM51,,X\$FRM52,XHFRM53		PE0717	1157
497		ASSIGN	1,5 ASSIGN CARGO TYPE		PE0803	45
498		ASSIGN	2,XHFRM54 NUMBER OF CONTAINERS PER LIGHTER		PE0717	1158
499		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 5 CARGO		PE0803	39
500		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 5 CARGO		PE0717	46
501		UNLINK	PH1,RETRY,ALL		PE0717	1161
502		TERMINATE			PE0717	42
503		TYPE 6 CARGO FOR FORCE RESUPPLY FOR MISSION DURATION			PE0731	23
504		GENERATE	XHFRM61,,X\$FRM62,XHFRM63		PE0717	1163
505		ASSIGN	1,6 ASSIGN CARGO TYPE		PE0717	43
506		ASSIGN	2,XHFRM64 NUMBER OF CONTAINERS PER LIGHTER		PE0803	44
507		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 6 CARGO		PE0717	1165
508		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 6 CARGO		PE0803	47
509		UNLINK	PH1,RETRY,ALL		PE0717	1166
510		TERMINATE			PE0717	46
511		TYPE 7 CARGO FOR FORCE RESUPPLY FOR MISSION DURATION			PE0803	48
512		GENERATE	XHFRM71,,X\$FRM72,XHFRM73		PE0717	1168
513		ASSIGN	1,7 ASSIGN CARGO TYPE		PE0803	40
514		ASSIGN	2,XHFRM74 NUMBER OF CONTAINERS PER LIGHTER		PE0717	1169
515		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 7 CARGO		PE0717	49
516		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 7 CARGO		PE0731	24
517		UNLINK	PH1,RETRY,ALL		PE0717	1171
518		TERMINATE			PE0717	50
519		TYPE 8 CARGO FOR FORCE RESUPPLY FOR MISSION DURATION			PE0717	1172
520		GENERATE	XHFRM81,,X\$FRM82,XHFRM83		PE0717	51
521		ASSIGN	1,8 ASSIGN CARGO TYPE		PE0803	49
522		ASSIGN	2,XHFRM84 NUMBER OF CONTAINERS PER LIGHTER		PE0717	1174
523		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 8 CARGO		PE0803	53
524		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 8 CARGO		PE0803	50
525		UNLINK	PH1,RETRY,ALL		PE0717	1176
526		TERMINATE			PE0717	55
527		TYPE 9 CARGO FOR FORCE RESUPPLY FOR MISSION DURATION			PE0731	25
528		GENERATE	XHFRM91,,X\$FRM92,XHFRM93		PE0717	1179
529		ASSIGN	1,9 ASSIGN CARGO TYPE		PE0717	57
530		ASSIGN	2,XHFRM94 NUMBER OF CONTAINERS PER LIGHTER		PE0717	1180
531		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 9 CARGO		PE0803	58
532		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 9 CARGO		PE0803	51
533		UNLINK	PH1,RETRY,ALL		PE0717	1182
534		TERMINATE			PE0717	60
535		TYPE 10 CARGO FOR FORCE RESUPPLY FOR MISSION DURATION			PE0717	1183
536		GENERATE	XHFRM01,,X\$FRM02,XHFRM03		PE0803	62
537		ASSIGN	1,0 ASSIGN CARGO TYPE		PE0717	1184
538		ASSIGN	2,XHFRM04 NUMBER OF CONTAINERS PER LIGHTER		PE0803	52
539		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 10 CARGO		PE0717	63
540		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 10 CARGO		PE0717	1185
541		UNLINK	PH1,RETRY,ALL		PE0731	26
542		TERMINATE			PE0717	1187
543		TYPE 11 CARGO FOR FORCE RESUPPLY FOR MISSION DURATION			PE0717	64
544		GENERATE	XHFRM11,,X\$FRM12,XHFRM13		PE0717	1188
545		ASSIGN	1,11 ASSIGN CARGO TYPE		PE0803	65
546		ASSIGN	2,XHFRM14 NUMBER OF CONTAINERS PER LIGHTER		PE0803	53
547		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 11 CARGO		PE0717	1190
548		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 11 CARGO		PE0717	67
549		UNLINK	PH1,RETRY,ALL		PE0803	1191
550		TERMINATE			PE0717	54
551		TYPE 12 CARGO FOR FORCE RESUPPLY FOR MISSION DURATION			PE0803	1192
552		GENERATE	XHFRM21,,X\$FRM22,XHFRM23		PE0717	69
553		ASSIGN	1,12 ASSIGN CARGO TYPE		PE0717	1193
554		ASSIGN	2,XHFRM24 NUMBER OF CONTAINERS PER LIGHTER		PE0717	70
555		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 12 CARGO		PE0717	1194
556		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 12 CARGO		PE0731	27
557		UNLINK	PH1,RETRY,ALL		PE0717	1195
558		TERMINATE			PE0717	71
559		TYPE 13 CARGO FOR FORCE RESUPPLY FOR MISSION DURATION			PE0717	1196
560		GENERATE	XHFRM31,,X\$FRM32,XHFRM33		PE0717	72
561		ASSIGN	1,13 ASSIGN CARGO TYPE		PE0803	1197
562		ASSIGN	2,XHFRM34 NUMBER OF CONTAINERS PER LIGHTER		PE0803	55
563		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 13 CARGO		PE0717	1198
564		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 13 CARGO		PE0717	74
565		UNLINK	PH1,RETRY,ALL		PE0803	1199
566		TERMINATE			PE0717	56
567		TYPE 14 CARGO FOR FORCE RESUPPLY FOR MISSION DURATION			PE0803	1200
568		GENERATE	XHFRM41,,X\$FRM42,XHFRM43		PE0717	75
569		ASSIGN	1,14 ASSIGN CARGO TYPE		PE0717	1201
570		ASSIGN	2,XHFRM44 NUMBER OF CONTAINERS PER LIGHTER		PE0717	77
571		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 14 CARGO		PE0717	1202
572		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 14 CARGO		PE0731	28
573		UNLINK	PH1,RETRY,ALL		PE0731	28
574		TERMINATE			PE0717	70
575		TYPE 15 CARGO FOR FORCE RESUPPLY FOR MISSION DURATION			PE0717	1204
576		GENERATE	XHFRM51,,X\$FRM52,XHFRM53		PE0717	79
577		ASSIGN	1,15 ASSIGN CARGO TYPE		PE0803	1205
578		ASSIGN	2,XHFRM54 NUMBER OF CONTAINERS PER LIGHTER		PE0717	81
579		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 15 CARGO		PE0803	59
580		MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 15 CARGO		PE0717	1206

BLOCK NUMBER	*LOC	OPERATION	A,R,C,D,E,F,G,H,I,J	COMMENTS	CARD NUMBER
525	*	UNLINK	PH1,RETRY,ALL	WAITING AT BEACH	PE0717 84
526	*	TERMINATE			PE0731 29
527	*	GENERATE	XHSFRM01,XHSFRM02,XHSFRM03		PE0717 85
528	*	ASSIGN	1,13 ASSIGN CARGO TYPE		PE0717 86
529	*	ASSIGN	2,XHSFRM04 NUMBER OF UNITS PER LIGHTER		PE08J3 59
530	*	MSAVEVALUE	FFF,1,P1,V\$AAN UPDATE AMOUNT OF TYPE 13 CARGO		PE0717 88
531	*	UNLINK	PH1,RETRY,ALL	WAITING AT BEACH	PE0803 60
532	*	TERMINATE			PE0717 90
533	*	GENERATE	1,1,1,13		PE0731 30
534	*	SPLIT	12,AAA,1 THIRTEEN TRANSACTIONS REQUIRED		PE0717 92
535	AAA	TEST L	P1,10,CAA TEST FOR CARGO TYPFS 1-9		PE0731 31
536	*	TEST L	P1,4,AAA TEST FOR BREAK BULK CARGO		PE0412 104
537	*	BREAK BULK CARGO DELIVERY			PE0412 106
538	ARD	ASSIGN	4,MH\$CCC(10,P1) ASSIGN NUMBER OF PALLETS ON TRUCK		PE0412 107
539	*	TEST GE	MH\$FFF(1,P1),P4,AACFL TEST FOR TRUCKLOAD OF CARGO		PE0412 108
540	*	ASSIGN	3,MH\$CCC(7,P1) ASSIGN BEACH FORKLIFT		PE0412 109
541	*	ENTER	P3		PE0412 120
542	*	DEPART	P3		PE0412 110
543	*	QUEUE	TRKR CAPTURE TRUCK		PE0612 65
544	*	ENTER	TRKB		PE0612 66
545	*	DEPART	TRKB		PE0523 4
546	*	MSAVEVALUE	FFF,1,P1,V\$AAO SUBTRACT CARGO TYPE 1 LOADED ON		PE0612 67
547	*	SPLIT	1,AAO	TRUCK FROM CARGO TYPE 1 AT BEACH	PE0413 3
548	*	ASSIGN	5,MH\$CCC(8,P1) NUMREP OF FORKLIFTS		PE0412 116
549	*	ASSIGN	6,MH\$CCC(9,P1) NUMREP OF PALLETS / HOUR		PE0412 117
550	*	ADVANCE	V\$AAD UNLOAD LIGHTER, LOAD PALLETS ON TRUCK		PE0412 118
551	*	LEAVE	P3,MH\$CCC(8,P1) FREE BEACH FORKLIFT		PE0412 119
552	*	TEST E	9V\$LSACP,1,AAG TEST IF LSA COMPLETE AND IF CARGO		PE0412 120
553	*	TRANSFER	,AAK	IS TYPF 1 OR TYPE 2	PE0412 123
554	ARDL	TRANSFER	S9P,XWAIT,13PH		PE1208 62
555	*	TRANSFER	,AAD		PE0731 34
556	AAG	TEST F	9V\$SPCP,1,AAH TEST IF ASP COMPLETE AND IF CARGO IS		PE0731 35
557	*	TRANSFER	,AAM	TYPE 3	PE12J8 63
558	*	DELIVER	BPEAK BULK CARGO TO BSA		PE12J8 64
559	AAH	ASSIGN	5,MH\$CCC(14,12) DISTANCE FROM BEACH TO BSA		PE12J8 66
560	*	ADVANCE	V\$AAG MOVE TO BSA		PE12J8 67
561	*	ASSIGN	3,MH\$CCC(12,P1) ASSIGN BSA FORKLIFT		PE12J8 68
562	*	ENTER	P3		PE0612 68
563	*	DEPART	P3		PE12J8 71
564	*	ASSIGN	5,MH\$CCC(13,P1) NUMREP OF FORKLIFTS		PE0612 69
565	*				PE12J8 72

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	PE1200	CARD NUMBER
566		ASSIGN	6,MHSCC(14,P1)	NUMBER OF PALLETS / HOUR	PE1200	73
567		ADVANCE	VSAAD	UNLOAD TRUCK	PE1200	74
568		SPLIT	1,AAJ		PE1200	75
569		ASSIGN	5,MHSCC(14,12)	DISTANCE FROM BEACH TO 3SA	PE0215	16
570		ASSIGN	6,MHSCC(15,P1)	SPEED OF TRUCK	PE0215	17
571		ADVANCE	VSAAG	TRUCK RETURNS TO BEACH	PE0215	18
572		LEAVE	TRKB	FREE TRUCK	PE0523	5
573		TERMINATE			PE1200	78
574	AAJ	ASSIGN	6,MHSCC(16,P1)	NUMBER OF PALLETS / HOUR	PE1200	79
575		ADVANCE	VSAAD	MOVE MATERIAL TO STORAGE	PE1200	80
576		LEAVE	P3,MHSCC(13,P1)	FREE 8SA FORKLIFT	PE1200	81
577	*	MSAVEVALUE	EEE,1,P1,VSAAC,H	COMPUTE NUMBER OF PALLETS OF THIS TYPE DELIVERED	PE1200	82
578	*	MSAVEVALUE	EEF,3,P1,VSAAP,H	COMPUTE NUMBER OF PALLETS OF THIS TYPE DELIVERED TO 8SA	PE0418	4
579	*	TERMINATE			PE0418	5
580	*	DELIVER	8PEAK	BULK CARGO TO LSA	PE1200	84
581	AAK	ASSIGN	5,MHSCC(14,11)	DISTANCE FROM BEACH TO LSA	PE1200	85
582		ASSIGN	6,MHSCC(17,P1)	SPEED OF TRUCK	PE1200	86
583		ADVANCE	VSAAG	MOVE TO LSA	PE1200	87
584		ASSIGN	3,MHSCC(18,P1)	ASSIGN LSA FORKLIFT	PE0215	19
585		CURVE	P3		PE0215	20
586		ENTER	P3,MHSCC(19,P1)	CAPTURE LSA FORKLIFT	PE1200	89
587		DEPART	P3		PE0612	70
588		ASSIGN	5,MHSCC(19,P1)	NUMBER OF FORKLIFTS	PE1200	91
589		ASSIGN	6,MHSCC(20,P1)	NUMBER OF PALLETS / HOUR	PE1200	92
590		ADVANCE	VSAAC	UNLOAD TRUCK	PE1200	93
591		SPLIT	1,AAL		PE1200	94
592		ASSIGN	5,MHSCC(14,11)	DISTANCE FROM BEACH TO LSA	PE0215	22
593		ASSIGN	6,MHSCC(21,P1)	SPEED OF TRUCK	PE0215	23
594		ADVANCE	VSAAG	TRUCK RETURNS TO 9FACH	PE0215	24
595		LEAVE	TRKB	FREE TRUCK	PE0523	6
596		TERMINATE			PE1200	97
597	AAL	ASSIGN	6,MHSCC(22,P1)	NUMBER OF PALLETS / HOUR	PE1200	98
598		ADVANCE	VSAAD	MOVE MATERIAL TO STORAGE	PE1200	99
599		LEAVE	P3,MHSCC(19,P1)	FREE LSA FORKLIFT	PE1200	100
600	*	MSAVEVALUE	EEE,1,P1,VSAAC,H	COMPUTE NUMBER OF PALLETS OF THIS TYPE DELIVERED	PE1200	101
601	*	MSAVEVALUE	EEE,4,P1,VSAAO,H	COMPUTE NUMBER OF PALLETS OF THIS TYPE DELIVERED TO LSA	PE0418	6
602	*	TERMINATE			PE0418	7
603	*	DELIVER	8PEAK	BULK CARGO TO ASP	PE1200	103
604		TEST L	MHSEEE(2,14),100,AAH	TEST AMOUNT OF CARGO ROUTED TO ASP 1	PE1200	104
605		ASSIGN	7,1	USE ASP 1	PE1200	105
606		ASSIGN	8,14		PE1200	106
607		TRANSFER	AAR		PE0309	4
608		TEST L	MHSEEE(2,15),100,AAP	TEST AMOUNT OF CARGO ROUTED TO ASP 2	PE1200	110
609		ASSIGN	7,2	USE ASP 2	PE0309	8
610		ASSIGN	8,15		PE0309	9

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	CARD NUMBER
609		TRANSFER	1,AA		PE1200
610	AAP	TFST L	MH\$EEE(2,16),100,AA	TEST AMOUNT OF CARGO ROUTED TO ASP 3	PE309
611	*	ASSIGN	7,3	USE ASP 3	PE309
612		ASSIGN	8,16		PE309
613		TRANSFER	1,AA		PE1200
614	AAQ	ASSIGN	7,4	USE ASP 4	PE309
615		ASSIGN	8,17		PE309
616	AAR	MSAVEVALUE	EEE,2,P8,V\$AAH,H	COMPUTE NUMBER OF AMMO PALLETS ROUTED TO ASP DUMP NUMBER P7	PE309
617	*	ASSIGN	5,MH\$FFF(3,P7)	DISTANCE FROM SHORE TO ASP P7	PE309
618		ASSIGN	6,MH\$CCC(4,3,P7)	SPEED OF TRUCK	PE309
619		ADVANCE	V\$AAG	MOVE TO ASP	PE011
620		ASSIGN	3,MH\$CCC(4,4,P7)	ASSIGN ASP FORKLIFT	PE011
621		QUEUE	P3		PE0612
622		ENTER	P3,MH\$CCC(4,5,P7)	CAPTURE ASP FORKLIFT	PE011
623		DEPART	P3		PE0612
624		ASSIGN	5,MH\$CCC(4,5,P7)	NUMBEP OF FORKLIFTS	PE011
625		ASSIGN	6,MH\$CCC(4,6,P7)	NUMBER OF PALLETS / HOUR	PE011
626		ADVANCE	V\$AAD	UNLOAD TRUCK	PE011
627		SPLIT	1,AA		PE011
628		ASSIGN	5,MH\$FFF(3,P7)	DISTANCE FROM SHORE TO ASP	PE011
629		ASSIGN	6,MH\$CCC(4,7,P7)	SPEED OF TRUCK	PE011
630		ADVANCE	V\$AAG	TRUCK RETURNS TO BEACH	PE011
631		LEAVE	TRKB	FREE TRUCK	PE0523
632		TERMINATE			PE011
633		ASSIGN	5,MH\$CCC(4,5,P7)	NUMBER OF FORKLIFTS	PE011
634	AAS	ASSIGN	6,MH\$CCC(4,8,P7)	NUMBER OF PALLETS / HOUR	PE011
635		ADVANCE	V\$AAD	MOVE MATERIAL TO STORAGE	PE011
636		LEAVE	P3,MH\$CCC(4,5,P7)	FREE ASP FORKLIFT	PE011
637	*	MSAVEVALUE	EEE,1,P1,V\$AAG,H	COMPUTE NUMBER OF PALLETS OF THIS TYPE DELIVERED	PE1200
638	*	MSAVEVALUE	EEE,4,P1,V\$AAQ,H	COMPUTE NUMBER OF PALLETS OF THIS TYPE DELIVERED TO ASP	PE0418
639	*	MSAVEVALUE	EEE,1,P8,V\$AAE,H	COMPUTE NUMBER OF AMMO PALLETS DELIVERED TO ASP DUMP NUMBER P7	PE0309
640	*	TERMINATE			PE1200
641	*	CONTAINERIZED CARGO DELIVERY			PE1212
642	*	ASSIGN	4,MH\$CCC(10,P1)	ASSIGN NUMBER OF CONTAINERS ON TRUCK	PE1212
643	*	TEST GE	MH\$FFF(1,P1),P4,BABFL	TEST FOR TRUCKLOAD OF CARGO TYPE P1	PE0731
644	*	ASSIGN	3,MH\$CCC(7,P1)	ASSIGN BEACH CONTAINER LIFT	PE0412
645		ENTER	P3,MH\$CCC(8,P1)	CAPTURE BEACH CONTAINER LIFT	PE0612
646		CFPART	P3		PE0412
647		QUEUE	TRKC		PE0612
648		ENTER	TRKC	CAPTURE TRUCK	PE0523
649		DEPART	TRKC		PE0612
650	*	MSAVEVALUE	FFF,1,P1,V\$AAO	SUBTRACT CARGO TYPE I LOADED ON TRUCK FROM CARGO TYPE I AT BEACH	PE0413
651	*	SPLIT	1,BAB		PE0412

BLOCK NUMBER	*LOC	OPERATION	A,*,C,*,D,*,F,*,G,*,H,*,I,*,J	COMMENTS	PEO412	CARD NUMBER
652		ASSIGN	5,MH\$CCC(8,P1)	NUMBER OF CONTAINER LIFTS	PEO412	133
653		ASSIGN	6,MH\$CCC(9,P1)	NUMBER OF CONTAINERS / HOUR	PEO412	134
654		ADVANCE	V\$AAD	UNLOAD LIGHTER, LOAD CONTAINERS ON TRUCK	PEO412	135
655		LEAVE	P3,MH\$CCC(18,P1)	F\$EE BEACH CONTAINER LIFT	PEO412	136
656		TEST F	BV\$LSAC0,1,BAG	TEST IF LSA IS COMPLETE AND IF CARGO IS TYPE 4, 6, 7, OR 9	PEO412	139
657		TRANSFER	,BAM		PEO412	140
658		TEST F	BV\$ASPC0,1,BAH	TEST IF ASP IS COMPLETE AND IF CARGO IS TYPE 5 OR 6	PE1212	101
659		TRANSFER	,BAP		PE1212	102
660		TRANSFER	SBR,X\$WAIT,13PH		PE1212	103
661		TRANSFER	,BAB		PE1212	104
662		DELIVER	CONTAINERIZED CARGO TO BSA		PE0731	38
663		ASSIGN	5,MH\$CCC(14,12)	DISTANCE FROM BEACH TO BSA	PE0731	39
664		ASSIGN	6,MH\$CCC(11,P1)	SPEED OF TRUCK	PE1212	105
665		ADVANCE	V\$AAG	MOVE TO BSA	PE1212	106
666		ASSIGN	3,MH\$CCC(12,P1)	ASSIGN RSA CONTAINER LIFT	PE1212	107
667		QUEUE	P3		PE0215	25
668		ENTER	P3,MH\$CCC(13,P1)	CAPTURE BSA CONTAINER LIFT	PE0215	26
669		REPART	P3		PE0215	27
670		ASSIGN	5,MH\$CCC(13,P1)	NUMBER OF CONTAINER LIFTS	PE1212	111
671		ASSIGN	6,MH\$CCC(14,P1)	NUMBER OF CONTAINERS / HOUR	PE1212	112
672		ADVANCE	V\$AAD	UNLOAD TRUCK	PE1212	113
673		LEAVE	P3,MH\$CCC(13,P1)	FREE BSA CONTAINER LIFT	PE1212	114
674		SPLIT	1,B\$AJ		PE1212	115
675		ASSIGN	5,MH\$CCC(14,12)	DISTANCE FROM BEACH TO BSA	PE0215	28
676		ASSIGN	6,MH\$CCC(15,P1)	SPEED OF TRUCK	PE0215	29
677		ADVANCE	V\$AAG	TRUCK RETURNS TO BEACH	PE0215	30
678		LEAVE	TRK	FREE TRUCK	PE0523	9
679		TERMINATE			PE1212	110
680		TEST F	BV\$CUN\$1,BAK	TEST IF CONTAINER IS NOT TO BE UNSTUFFED	PE1212	119
681		MSAVEVALUE	EEE,1,P1,V\$AAC,H	COMPUTE NUMBER OF CONTAINERS OF THIS TYPE DELIVERED	PE1212	120
682		MSAVEVALUE	EEE,3,P1,V\$AAP,H	COMPUTE NUMBER OF CONTAINERS OF THIS TYPE DELIVERED TO BSA	PE1212	122
683		TERMINATE			PE0510	4
684		ASSIGN	3,MH\$CCC(16,P1)	ASSIGN BSA UNSTUFFING EQUIPMENT	PE1212	5
685		QUEUE	P3		PE1212	123
686		ENTER	P3,MH\$CCC(17,P1)	CAPTURE BSA UNSTUFFING EQUIPMENT	PE1212	124
687		DEPART	P3		PE0612	60
688		ASSIGN	5,MH\$CCC(17,P1)	NUMBER OF UNSTUFFING EQUIPMENT	PE1212	125
689		ASSIGN	6,MH\$CCC(18,P1)	NUMBER OF CONTAINERS / HOUR	PE1212	126
690		ADVANCE	V\$AAD	UNSTUFF CONTAINER	PE1212	127
691		LEAVE	P3,MH\$CCC(17,P1)	FREE BSA UNSTUFFING EQUIPMENT	PE1212	128
692		SPLIT	1,B\$AL		PE1212	129
693		ASSIGN	3,MH\$CCC(19,P1)	ASSIGN BSA FORKLIFT	PE1212	130
694		QUEUE	P3		PE0612	62
695		ENTER	P3,MH\$CCC(20,P1)	CAPTURE BSA FORKLIFT	PE1212	132
696		DEPART	P3		PE0612	63
697		ASSIGN	5,MH\$CCC(20,P1)	NUMBER OF BSA FORKLIFTS	PE1212	133
698		ASSIGN	6,MH\$CCC(21,P1)	NUMBER OF PALLETS / HOUR	PE103	19
699		ADVANCE	V\$AAF	MOVE BREAK SULK AND STORE	PE0103	20

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	PE1212	CARD NUMBER
699		LEAVE	P3,MH\$CCC(20,P1)	FREE BSA FORKLIFT	PE1212	136
700		MSAVEVALUE	EE,1,P1,V\$AAC,H	COMPUTE NUMBER CF CONTAINERS OF THIS TYPE DELIVERED	PE1212	137
701		MSAVFVALUE	EE,3,P1,V\$AAP,H	COMPUTE NUMBER OF CONTAINERS OF THIS TYPE DELIVERED TO BSA	PE1212	138
702	RAL	TERMINATE			PE0510	6
703		ASSIGN	3,MH\$CCC(22,P1)	ASSIGN BSA CONTAINER LIFT	PE1212	7
704		DEFUE	P3		PE1212	139
705		ENTER	P3,MH\$CCC(23,P1)	CAPTURE PSA CONTAINER LIFT	PE1212	140
706		DEPART	P3		PE0612	84
707		ASSTGA	5,MH\$CCC(23,P1)	NUMBEF OF BSA CONTAINER LIFTS	PE1212	141
708		ASSIGN	6,MH\$CCC(24,P1)	NUMEP OF CONTAINERS / HOUR	PE1212	142
709		ADVANCE	V\$ABD	MOVE EMPTY CONTAINERS TO SHORE	PE1212	143
710		LEAVE	P3,MH\$CCC(23,P1)	FREE CONTAINER LIFT	PE1212	144
711		SAVEVALUE	FMC0N,V\$AAJ,H	COMPUTE NUMBER OF EMPTY CONTAINERS RETURNED	PE1212	145
712		TERMINATE			PE0115	5
					PE1015	6
		DELIVER	CONTAINERIZED CAPCO TO LSA		PE1212	148
					PE1212	149
					PE1212	150
					PE1212	151
713	RAN	ASSIGN	5,MH\$CCC(14,11)	DISTANCE FROM REACH TO LSA	PE0216	4
714		ASSIGN	6,MH\$CCC(49,P1)	SPEED OF TRUCK	PE0216	5
715		ADVANCE	V\$AAG	MOVE TO LSA	PE0216	6
716		ASSIGN	3,MH\$CCC(25,P1)	ASSIGN LSA CONTAINER LIFT	PE0216	7
717		DEFUE	P3		PE0612	86
718		ENTER	P3,MH\$CCC(26,P1)	CAPTURE LSA CONTAINER LIFT	PE1212	153
719		DEPART	P3		PE1212	154
720		ASSIGN	5,MH\$CCC(25,P1)	NUMBER OF LSA CONTAINER LIFTS	PE1212	155
721		ASSIGN	6,MH\$CCC(27,P1)	NUMBER OF CONTAINERS / HOUR	PE1212	156
722		ADVANCE	V\$AAD	UNLOAD CONTAINER FROM TRUCK	PE1212	157
723		TEST F	BV\$CNUMS,1,BAN	TEST IF CONTAINER IS NOT TO BE UNSTUFFED	PE1212	158
724		ADVANCE	MH\$CCC(28,P1)	STORE CONTAINER	PE1212	159
725		MSAVEVALUE	EE,1,P1,V\$AAC,H	COMPUTE NUMBER OF CONTAINERS OF THIS TYPE DELIVERED	PE1212	160
726		MSAVFVALUE	EE,4,P1,V\$AAO,H	COMPUTE NUMBER OF CONTAINERS OF THIS TYPE DELIVERED TO LSA	PE1212	161
727		LEAVE	P3,MH\$CCC(26,P1)	FREE LSA CONTAINER LIFT	PE0418	10
728		ASSIGN	5,MH\$CCC(14,11)	DISTANCE FROM REACH TO LSA	PE1212	162
729		ASSIGN	6,MH\$CCC(29,P1)	SPEED OF TRUCK	PE0216	8
730		ADVANCE	V\$AAG	TRUCK RETURNS TO PEACH	PE0215	32
731		LEAVE	TRKC	FREE TRUCK	PE0215	33
732		TERMINATE			PE3523	10
733	RAN	LEAVE	P3,MH\$CCC(26,P1)	FREE LSA CONTAINER LIFT	PE1212	165
734		ASSIGN	3,MH\$CCC(30,P1)	ASSIGN LSA UNSTUFFING EQUIPMENT	PE1212	166
735		DEFUE	P3		PE1212	167
736		ENTER	P3,MH\$CCC(31,P1)	CAPTURE LSA UNSTUFFING EQUIPMENT	PE0612	88
737		DEPART	P3		PE1212	168
738		ASSIGN	5,MH\$CCC(31,P1)	NUMBER OF LSA UNSTUFFING EQUIPMENT	PE0612	89
739		ASSIGN	6,MH\$CCC(32,P1)	NUMBER OF CONTAINERS / HOUR	PE1212	169
740		ADVANCE	V\$AAD	UNSTUFF CONTAINER	PE1212	170
741		LEAVE	P3,MH\$CCC(31,P1)	FREE LSA UNSTUFFING EQUIPMENT	PE1212	171
742		SPLIT	1,RAD		PE1212	172
743		ASSIGN	3,MH\$CCC(33,P1)	ASSIGN LSA FORKLIFT	PE1212	173
744		DEFUE	P3		PE1212	174
					PE0612	90

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,F,G,H,I,J	COMMENTS	PEO216	CARD NUMBER
791		ASSIGN	5,MH\$CCC(14,P1)	DISTANCE FROM BEACH TO ASP	PEO216	14
792		ASSIGN	6,MH\$CCC(29,P1)	SPEED OF TRUCK	PEO216	15
793		ADVANCE	V\$AAG	TRUCK RETURNS TO BEACH	PEO216	16
794		LEAVE	TRKC	FREE TRUCK	PE0523	12
795		TERMINATE			PE1212	214
796	RAO	LEAVE	P3,MH\$CCC(26,P1)	FREE ASP CONTAINER LIFT	PE1212	215
797		ASSIGN	3,MH\$CCC(30,P1)	ASSIGN ASP UNSTUFFING EQUIPMENT	PE1212	216
798		QUEUE	P3		PE0612	90
799		ENTER	P3,MH\$CCC(31,P1)	CAPTURE ASP UNSTUFFING EQUIPMENT	PE1212	217
800		DEPART	P3		PE0612	99
801		ASSIGN	5,MH\$CCC(31,P1)	NUMBER OF ASP UNSTUFFING EQUIPMENT	PE1212	218
802		ASSIGN	6,MH\$CCC(32,P1)	NUMBER OF CONTAINERS / HOUR	PE1212	219
803		ADVANCE	V\$AAD	UNSTUFF CONTAINER	PE1212	220
804		LEAVE	P3,MH\$CCC(31,P1)	FREE ASP UNSTUFFING EQUIPMENT	PE1212	221
805		SPLIT	1,BAR		PE1212	222
806		ASSIGN	3,MH\$CCC(33,P1)	ASSIGN ASP FORKLIFT	PE1212	223
807		QUEUE	P3		PE0612	100
808		ENTER	P3,MH\$CCC(34,P1)	CAPTURE ASP FORKLIFT	PE1212	224
809		DEPART	P3		PE0612	101
810		ASSIGN	5,MH\$CCC(34,P1)	NUMBER OF ASP FORKLIFTS	PE1212	101
811		ASSIGN	6,MH\$CCC(35,P1)	NUMBER OF PALLETS / HOUR	PE1212	225
812		ADVANCE	V\$AAF	MOVE TO DUMP AND STORE	PE0103	23
813		LEAVE	P3,MH\$CCC(34,P1)	FREE ASP FORKLIFT	PE0103	24
814		MSAVEVALUE	EEE,P1,V\$AAG,H	COMPUTE NUMBER OF CONTAINERS OF THIS TYPE DELIVERED	PE1212	228
815		MSAVEVALUE	EEE,P1,V\$AAQ,H	COMPUTE NUMBER OF CONTAINERS OF THIS TYPE DELIVERED TO ASP	PE1212	229
816		TERMINATE			PE0418	16
817		ASSIGN	3,MH\$CCC(36,P1)	ASSIGN ASP CONTAINER LIFT	PE0418	17
818		QUEUE	P3		PE1212	231
819	BAR	ENTER	P3,MH\$CCC(37,P1)	CAPTURE ASP CONTAINER LIFT	PE1212	232
820		DEPART	P3		PE0612	102
821		ASSIGN	5,MH\$CCC(37,P1)	NUMBER OF ASP CONTAINER LIFTS	PE1212	233
822		ASSIGN	6,MH\$CCC(38,P1)	NUMBER OF CONTAINERS / HOUR	PE0612	103
823		ADVANCE	V\$AAD	LOAD CONTAINER ON TRUCK	PE1212	234
824		LEAVE	P3,MH\$CCC(37,P1)	FREE ASP CONTAINER LIFT	PE1212	235
825		ASSIGN	5,MH\$CCC(13,P1)	DISTANCE FROM ASP TO BSA	PE1212	236
826		ASSIGN	6,MH\$CCC(39,P1)	SPEED OF TRUCK	PE1212	237
827		ADVANCE	V\$AAG	MOVE TO BSA	PE0216	18
828		ASSIGN	3,MH\$CCC(40,P1)	ASSIGN ASA CONTAINER LIFT	PE0216	17
829		QUEUE	P3		PE1212	239
830		ENTER	P3,MH\$CCC(41,P1)	CAPTURE PSA CONTAINER LIFT	PE1212	240
831		DEPART	P3		PE0612	104
832		ASSIGN	5,MH\$CCC(41,P1)	NUMBER OF BSA CONTAINER LIFTS	PE0612	105
833		ASSIGN	6,MH\$CCC(42,P1)	NUMBER OF CONTAINERS / HOUR	PE1212	241
834		ADVANCE	V\$AAD	UNLOAD CONTAINER	PE1212	242
835		LEAVE	P3,MH\$CCC(41,P1)	FREE BSA CONTAINER LIFT	PE1212	243
836		LEAVE	TRKC	FREE TRUCK	PE0523	13
837		MSAVEVALUE	EMCON,V\$AAJ,H	COMPUTE NUMBER OF EMPTY CONTAINERS RETURNED	PE0105	9
838		TERMINATE			PE0105	10
839		OUTSTZER	CARGO DELIVERY		PE1212	246
840		TEST F	P1,10,CAD	TEST FOR CARGO TYPE 10	PE0104	38
841		TEST F	P1,10,CAD	TEST FOR CARGO TYPE 10	PE0104	39
842		TEST F	P1,10,CAD	TEST FOR CARGO TYPE 10	PE0104	40
843		TEST F	P1,10,CAD	TEST FOR CARGO TYPE 10	PE0412	141

BLOCK NUMBER	*LOC	*OPPRATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	PE0412	CARD NUMBER
940	*	ASSIGN	4,1	NUMBER OF TYPE 10 CARGO UNITS UNLOADED FROM LIGHTER AT ONE TIME	PE0412	142
941	*	TEST GE	MX\$FFF(1,10),1,CAPFL	TEST FOR CARGO TYPE 10 AT BEACH	PE0412	143
942	*	MSAVEVALUE	FFF,1,P1,V\$AAD	SUBTRACT CARGO TYPE I THAT LEAVES BEACH FROM CARGO TYPE I AT BEACH	PE0731	40
943	*	SPLIT	1,CAO		PE0412	146
944	*	TEST F	NLSAN,7,CAC	TEST FOR LSA COMPLETION	PE0413	7
945	*	ASSIGN	5,MH\$CCC(13,P1)	UNLOADING RATE	PE0104	48
946	*	ADVANCE	V\$AAH	UNLOAD FROM LIGHTER	PE0110	11
947	*	ASSIGN	5,MH\$CCC(14,11)	DISTANCE FROM BEACH TO LSA	PE0104	50
948	*	ASSIGN	6,MH\$CCC(15,P1)	SPEED OF TYPE 10 CARGO	PE0110	12
949	*	ADVANCE	V\$AAG	MOVE TO LSA	PE0110	13
950	*	ASSIGN	4,1		PE0104	53
951	*	MSAVEVALUE	FEE,1,P1,V\$AAG,H	COMPUTE NUMBER OF CARGO UNITS OF THIS TYPE DELIVERED	PE0104	54
952	*	MSAVEVALUE	EEE,4,P1,V\$AAG,H	COMPUTE NUMBER OF CARGO UNITS OF THIS TYPE DELIVERED TO LSA	PE0104	55
953	*	TERMINATE			PE0104	56
954	*	TRANSFER	S9P,XMAIT,13PH		PE0104	57
955	*	TRANSFER	1,CAO		PE0731	42
956	*	ASSIGN	5,MH\$CCC(14,12)	DISTANCE FROM BEACH TO BSA	PE0731	43
957	*	ASSIGN	6,MH\$CCC(15,P1)	SPEED OF TYPE 10 CARGO	PE0110	14
958	*	ADVANCE	V\$AAG	MOVE TO BSA	PE0110	15
959	*	ASSIGN	4,1		PE0104	60
960	*	MSAVEVALUE	FEE,1,P1,V\$AAG,H	COMPUTE NUMBER OF CARGO UNITS OF THIS TYPE DELIVERED	PE0105	11
961	*	TERMINATE			PE0104	61
962	*	TEST E	P1,11,CAH	TEST FOR TYPE 11 CARGO	PE0104	62
963	*	ASSIGN	4,1	NUMBER OF TYPE 11 CARGO UNITS UNLOADED FROM LIGHTER AT ONE TIME	PE0104	63
964	*	TEST GE	MX\$FFF(1,11),1,CAPFL	TEST FOR CARGO TYPE 11 AT BEACH	PE0412	148
965	*	MSAVEVALUE	FFF,1,P1,V\$AAD	SUBTRACT CARGO TYPE I THAT LEAVES BEACH FROM CARGO TYPE I AT BEACH	PE0412	149
966	*	SPLIT	1,CAP		PE0731	44
967	*	ASSIGN	3,MH\$CCC(16,P1)	ASSIGN TOWING EQUIPMENT	PE0412	150
968	*	QUEUE	P3		PE0731	45
969	*	ENTER	P3	CAPTURE TOWING EQUIPMENT	PE0412	153
970	*	DEPART	P3		PE0413	8
971	*	ASSIGN	5,MH\$CCC(17,P1)	UNLOADING RATE FOR TOWING EQUIPMENT	PE0110	16
972	*	ADVANCE	V\$AAH	UNLOAD LIGHTER	PE0612	106
973	*	TEST F	NLSAN,7,CAP	TEST FOR LSA COMPLETION	PE0104	66
974	*	ASSIGN	5,MH\$CCC(14,11)	DISTANCE FROM BEACH TO LSA	PE0104	67
975	*	ASSIGN	6,MH\$CCC(15,P1)	SPEED OF LOADED TOWING EQUIPMENT	PE0110	17
976	*	ADVANCE	V\$AAG	MOVE TO LSA	PE0104	68
977	*	SPLIT	1,CAE		PE0104	69
978	*	MSAVEVALUE	FEE,1,P1,V\$AAG,H	COMPUTE NUMBER OF CARGO UNITS OF THIS TYPE DELIVERED	PE0110	18
979	*	MSAVEVALUE	EEE,4,P1,V\$AAG,H	COMPUTE NUMBER OF CARGO UNITS OF THIS TYPE DELIVERED TO LSA	PE0104	72
980	*	TERMINATE			PE0104	75
981	*	TRANSFER	S9P,XMAIT,13PH		PE0104	76
982	*	TRANSFER	1,CAP		PE0410	20
983	*	ASSIGN	5,MH\$CCC(14,11)	DISTANCE FROM BEACH TO LSA	PE0410	21

BLOCK NUMBER	*LOC	OPERATION	A,R,C,D,E,F,G,H,I,J	COMMENTS	CARD NUMBER
884		ASSIGN	6,MH\$CCCC(19,P1)	SPEED OF UNLOADED TOWING EQUIPMENT	PE0110 21
885		ADVANCE	V\$AAG	RETURN TOWING EQUIPMENT TO BEACH	PE0104 80
886		LEAVE	P3	FREE TOWING EQUIPMENT	PE0104 81
887		TERMINATE			PE0104 82
889	CAG	ASSIGN	5,MH\$CCCC(14,12)	DISTANCE FROM BEACH TO BSA	PE0110 22
889		ASSIGN	6,MH\$CCCC(18,P1)	SPEED OF LOADED TOWING EQUIPMENT	PE0110 23
890		ADVANCE	V\$AAG	MOVE TO BSA	PE0104 85
891		SPLIT	1,CAG		PE0104 86
892	*	MSAVEVALUE	EEE,1,P1,V\$AAG,H	COMPUTE NUMBER OF CARGO UNITS OF THIS TYPE DELIVERED	PE0104 88
893		TERMINATE			PE0104 89
894	CAG	ASSIGN	5,MH\$CCCC(14,12)	DISTANCE FROM BEACH TO BSA	PE0110 24
895		ASSIGN	6,MH\$CCCC(19,P1)	SPEED OF UNLOADED TOWING EQUIPMENT	PE0110 25
896		ADVANCE	V\$AAG	RETURN TOWING EQUIPMENT TO BEACH	PE0104 93
897		LEAVE	P3	FREE TOWING EQUIPMENT	PE0104 94
898		TERMINATE			PE0104 95
899	CAG	ASSIGN	4,MH\$CCCC(23,P1)	NUMBER OF TYPE I CARGO UNITS ON TRUCK	PE0412 155
900	*	TEST GF	MX\$FFF(1,P1),1,CAGFL	TEST FOR CARGO TYPE P1 AT BEACH	PE0412 156
901		ASSIGN	3,MH\$CCCC(20,P1)	ASSIGN CRANE	PE0731 49
902		QUEUE	P3		PE0412 158
903		ENTER	P3,MH\$CCCC(21,P1)	CAPTURE CRANE	PE0612 108
904		DEPART	P3		PE0412 159
905		QUEUE	FBTRK		PE0612 109
906		ENTER	FBTRK	CAPTURE TRUCK	PE0612 110
907		DEPART	FBTRK		PE0412 160
908	*	MSAVEVALUE	FFF,1,P1,V\$AAG	SURTRACT CARGO TYPE I LOADED ON TRUCK FROM CARGO TYPE I AT BEACH	PE0612 111
909		SPLIT	1,CAG		PE0413 9
910		ASSIGN	5,MH\$CCCC(21,P1)	NUMBER OF CRANES	PE0412 161
911		ASSIGN	6,MH\$CCCC(22,P1)	NUMBER OF CARGO UNITS / HOUR	PE0412 162
912		ADVANCE	V\$AAG	UNLOAD LIGHTER AND LOAD TRUCK	PE0412 163
913		LEAVE	P3,MH\$CCCC(21,P1)	FREE CRANE	PE0412 164
914		TEST E	P1,13-CAN	TEST FOR TYPE 13 CARGO	PE0412 165
915		TEST F	NLSAN,7,CAN	TEST FOR LSA COMPLETION	PE0412 168
916		ASSIGN	5,MH\$CCCC(14,11)	DISTANCE FROM BEACH TO LSA	PE0110 34
917		ASSIGN	6,MH\$CCCC(24,P1)	SPEED OF LOADED TRUCK	PE0110 35
918		ADVANCE	V\$AAG	MOVE TO LSA	PE0104 120
919		ASSIGN	3,MH\$CCCC(25,P1)	ASSIGN CRANE	PE0110 36
920		QUEUE	P3		PE0612 112
921		ENTER	P3,MH\$CCCC(26,P1)	CAPTURE CRANE	PE0110 37
922		DEPART	P3		PE0612 113
923		ASSIGN	5,MH\$CCCC(26,P1)	NUMBER OF CRANES	PE0110 38
924		ASSIGN	6,MH\$CCCC(27,P1)	NUMBER OF CARGO UNITS / HOUR	PE0110 39
925		ADVANCE	V\$AAG	UNLOAD TRUCK	PE0104 125
926		LEAVE	P3,MH\$CCCC(26,P1)	FREE CRANE	PE0110 40
927	*	MSAVEVALUE	EEE,1,P1,V\$AAG,H	COMPUTE NUMBER OF CARGO UNITS OF THIS TYPE DELIVERED	PE0104 127
928	*	MSAVEVALUE	EEE,4,P1,V\$AAG,H	COMPUTE NUMBER OF CARGO UNITS OF THIS TYPE DELIVERED TO LSA	PE0418 22
929		ASSIGN	5,MH\$CCCC(14,11)	DISTANCE FROM BEACH TO LSA	PE0110 41
930		ASSIGN	6,MH\$CCCC(28,P1)	SPEED OF UNLOADED TRUCK	PE0110 42
931		ADVANCE	V\$AAG	TRUCK RETURNS TO BEACH	PE0104 131
932		LEAVE	FBTRK	FREE TRUCK	PE0104 132

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	PEO104	CARD NUMBER
933		TERMINATE			PEO104	133
934	CAOFL	TRANSFER	SBR,XWAIT,13PH		PE0731	1705
935		TRANSFER	CAQ		PE0731	1706
936	CAM	ASSIGN	5,MH\$CCC(14,12)	DISTANCE FROM BEACH TO BSA	PE0110	1707
937		ASSIGN	6,MH\$CCG(24,P1)	SPEED OF LOADED TRUCK	PE0110	1708
938		ADVANCE	V\$AAG	MOVE TO BSA	PE0104	1709
939		ASSIGN	3,MH\$CCG(29,P1)	ASSIGN CRANE	PE0110	1710
940		QUEUE	P3		PE0110	1711
941		ENTER	P3,MH\$CCC(30,P1)	CAPTURE CRANE	PE0110	1712
942		DEPART	P3		PE0612	1713
943		ASSIGN	5,MH\$CCC(30,P1)	NUMBER OF CRANES	PE0110	1714
944		ASSIGN	6,MH\$CCG(31,P1)	NUMBER OF CARGO UNITS / HOUR	PE0113	1715
945		ADVANCE	V\$AAD	UNLOAD TRUCK	PE0104	1716
946		LEAVE	P3,MH\$CCG(30,P1)	FREE CRANE	PE0113	1717
947		MSAVEVALUE	EEE,1,P1,V\$AAG,H	COMPUTE NUMBER OF CARGO UNITS OF THIS TYPE DELIVERED	PE0104	1718
948		ASSIGN	5,MH\$CCG(14,12)	DISTANCE FROM BEACH TO 9SA	PE0110	1719
949		ASSIGN	6,MH\$CCG(26,P1)	SPEED OF UNLOADED TRUCK	PE0110	1720
950		ADVANCE	V\$AAG	TRUCK RETURNS TO BEACH	PE0104	1721
951		LEAVE	FBTRK	FREE TRUCK	PE0104	1722
952	CAN	TERMINATE			PE0104	1723
		MODEL SEGMENT 7		STORE CARGO DELIVERY TOTALS	PE0104	1724
953		GENERATE	720,,1		PE0117	1725
954	DAA	ASSIGN	1,XH\$PRNTA	ASSIGN ROW OF MATRIX	PE0117	1726
955		ASSIGN	2,17	NUMBER OF COLUMNS IN MATRIX	PE0117	1727
956		MARK	3	COPY CLOCK INTO PARAMETER 3	PE0117	1728
957	DAB	MSAVEVALUE	EEE,P1,P2,MH\$EEE(1,P2),H	STORE NUMBER OF CARGO UNITS OF THIS TYPE DELIVERED	PE0117	1729
958		LOOP	2,DAB		PE0117	1730
959		MSAVEVALUE	EEE,P1,20,V\$AAK,H	STORE TIME	PE0117	1731
960		SAVEVALUE	PRNTA,V\$AAL,H	INCREASE ROW NUMBER OF MATRIX BY 1	PE0117	1732
961		TEST LE	XH\$PRNTA,100,DAC	TEST IF SIZE OF MATRIX IS EXCEEDED	PE0117	1733
962		ADVANCE	720	DELAY TIME	PE0117	1734
963		TRANSFFR	DAA		PE0117	1735
964	DAC	TERMINATE			PE0117	1736
		MODEL SEGMENT 8		PUT VALUES IN CARGO DELIVERY MATRICES	PE0506	1737
965		GENERATE	1,1		PE0506	1738
966		ADVANCE	144J	DELAY TIME	PE0506	1739
967	DAD	MARK	3	COPY CLOCK INTO PARAMETER 3	PE0506	1740
968		MSAVEVALUE	GGG,XH\$XROW,1,V\$AAK,H	TIME IN HOURS	PE0506	1741
969		MSAVEVALUE	GGG,XH\$XROW,2,MH\$EEE(3,1),H	TYPE 1 CARGO DELIVERED TO BSA	PE0506	1742
970		MSAVEVALUE	GGG,XH\$XROW,3,MH\$EEE(3,2),H	TYPE 2 CARGO DELIVERED TO BSA	PE0506	1743
971		MSAVEVALUE	GGG,XH\$XROW,4,MH\$EEE(3,3),H	TYPE 3 CARGO DELIVERED TO BSA	PE0506	1744
972		MSAVEVALUE	GGG,XH\$XROW,5,V\$AAV,H	CARGO TYPES 4+5+6+7+8+9 DELIVERED TO BSA	PE0510	1745
973		MSAVEVALUE	MHH,XH\$XROW,1,V\$AAK,H	TIME IN HOURS	PE0506	1746
974		MSAVEVALUE	MHH,XH\$XROW,2,MH\$EEE(4,1),H	TYPE 1 CARGO DELIVERED TO LSA	PE0506	1747

CARD NUMBER

BLOCK NUMBER LOC

OPERATION	A,9,C,0,4,F,F,5,H,I,J	COMMENTS	CARGO TYPES	4+7 DELIVERED	PE0506	CARD NUMBER
MSAVEVALUE	HHH,XHXROM,3,V8AAR,H	TO LSA	CARGO TYPES	4+7 DELIVERED	PE0506	1760
MSAVEVALUE	HHH,XHXROM,4,MHSEEE(4,10),H	DELIVERED TO LSA	TYPE 10 CARGO		PE0506	1761
MSAVEVALUE	HHH,XHXROM,5,MHSEEE(4,11),H	DELIVERED TO LSA	TYPE 11 CARGO		PE0506	1763
MSAVEVALUE	HHH,XHXROM,6,MHSEEE(4,13),H	DELIVERED TO LSA	TYPE 13 CARGO		PE0506	1764
MSAVEVALUF	KKK,XHXROM,1,V8AAK,H	TIME IN HOURS	TYPE 2 CARGO DELIVERED		PE0506	1766
MSAVEVALUE	KKK,XHXROM,2,MHSEEE(4,2),H	TO LSA	TYPE 2 CARGO DELIVERED		PE0506	1768
MSAVEVALUE	KKK,XHXROM,3,V8AAS,H	CARGO TYPES	6+9 DELIVERED		PE0506	1770
MSAVEVALUE	LLL,XHXROM,1,V8AAK,H	TIME IN HOURS	TYPE 3 CARGO DELIVERED		PE0506	1771
MSAVEVALUE	LLL,XHXROM,2,MHSEEE(4,3),H	TO ASP	CARGO TYPES	5+8 DELIVERED	PE0506	1772
MSAVEVALUE	LLL,XHXROM,3,V8AAT,H	CARGO TYPES	5+8 DELIVERED		PE0506	1773
MSAVEVALUE	XROH,V8AAU,H	INCREASE ROW NUMBER OF MATRICES BY 1			PE0506	1774
TEST LF	XHRPOM,50,DAE	TEST IF SIZE OF MATRICES IS EXCEEDED			PE0506	1775
ADVANCE	1440	DELAY TIME			PE0506	1776
TRANSFER	,DAD				PE0506	1777
TERMINATE					PE0506	1778
LAST MODEL SEGMENT	(TIMER SEGMENT)				PE0506	1779
GENERATE	X\$TIMER	TIMER ARRIVES AT TIME TIMER			PE0506	1780
STOPE COMPLETION TIMES (IN DAYS) IN FLOATING POINT SAVEVALUES					PE0506	1781
SAVEVALUE	BSDP5,ML\$000(1,1),XL	BSA ROADS			PE0516	1782
SAVEVALUE	BSDP1,ML\$000(1,2),XL	BSA DUMP 1			PE0516	1783
SAVEVALUE	BSDP2,ML\$000(1,3),XL	BSA DUMP 2			PE0516	1784
SAVEVALUE	BSDP3,ML\$000(1,4),XL	BSA DUMP 3			PE0516	1785
SAVEVALUE	BSDP4,ML\$000(1,5),XL	BSA DUMP 4			PE0516	1786
SAVEVALUE	MSTR1,ML\$000(1,1),XL	MSP TEMPORARY ROUTE 1			PE0516	1787
SAVEVALUE	MSTR2,ML\$000(1,2),XL	MSP TEMPORARY ROUTE 2			PE0516	1788
SAVEVALUE	MSTR3,ML\$000(1,3),XL	MSP TEMPORARY ROUTE 3			PE0516	1789
SAVEVALUE	MSTR4,ML\$000(1,4),XL	MSP TEMPORARY ROUTE 4			PE0516	1790
SAVEVALUE	MSPR1,ML\$000(1,1),XL	MSR PERMANENT ROUTE 1			PE0516	1791
SAVEVALUE	MSPR2,ML\$000(1,2),XL	MSR PERMANENT ROUTE 2			PE0516	1792
SAVEVALUE	MSPR3,ML\$000(1,3),XL	MSR PERMANENT ROUTE 3			PE0516	1793
SAVEVALUE	MSPR4,ML\$000(1,4),XL	MSR PERMANENT ROUTE 4			PE0516	1794
SAVEVALUE	LSSA1,ML\$000(1,1),XL	LSA STORAGE AREA 1			PE0516	1795
SAVEVALUE	LSSA2,ML\$000(1,2),XL	LSA STORAGE AREA 2			PE0516	1796
SAVEVALUE	LSSA3,ML\$000(1,3),XL	LSA STORAGE AREA 3			PE0516	1797
SAVEVALUE	LSUSA,ML\$000(1,1),XL	LSA UNSTUFFING AREA			PE0516	1798
SAVEVALUE	LSTLA,ML\$000(1,1),XL	LSA TRUCK LOADING AREA			PE0516	1799
SAVEVALUE	LPSA,ML\$000(1,1),XL	LSA PALLET STAGING AREA			PE0516	1800
SAVEVALUE	LSAA,ML\$000(1,1),XL	LSA ADMINISTRATIVE AREA			PE0516	1801
SAVEVALUE	ASRA1,ML\$000(1,1),XL	ASP ROAD A1			PE0516	1802
SAVEVALUE	ASRA2,ML\$000(1,2),XL	ASP ROAD A2			PE0516	1803
SAVEVALUE	ASRA3,ML\$000(1,3),XL	ASP ROAD A3			PE0516	1804
SAVEVALUE	ASRA4,ML\$000(1,4),XL	ASP ROAD A4			PE0516	1805
SAVEVALUE	ASRA5,ML\$000(1,5),XL	ASP REVETMENT A1			PE0516	1806

BLOCK NUMBER	*LOC	OPERATION	A, P, C, D, E, F, G, H, I, J	COMMENTS	PE0516	CARD NUMBER
1016	*	SAVEVALUE	ASVA2, ML\$000(5,6), XL	ASP REVETMENT A2	PE0516	29
1017	*	SAVEVALUE	ASVA3, ML\$000(5,7), XL	ASP REVETMENT A3	PE0516	30
1018	*	SAVEVALUE	ASVA4, ML\$000(5,8), XL	ASP REVETMENT A4	PE0516	31
1019	*	SAVEVALUE	ASPER, ML\$000(5,9), XL	ASP PERIMETER	PE0516	32
1020	*	SAVEVALUE	AFFS1, ML\$000(6,1), XL	AFFS1	PE0609	1
1021	*	SAVEVALUE	AFFS2, ML\$000(6,2), XL	AFFS2	PE0609	2
1022	*	SAVEVALUE	AFFS3, ML\$000(6,3), XL	AFFS3	PE0609	3
1023	*	SAVEVALUE	AFFS4, ML\$000(6,4), XL	AFFS4	PE0609	4
1024	*	SAVEVALUE	DTBSA, MH\$000(32,11), H	DELAY TIME (MINUTES) FOR CONSTRUCTION EQUIPMENT IN BSA	PE0710	4
1025	*	SAVEVALUE	DTORS, MH\$000(32,12), H	DELAY TIME (MINUTES) FOR CONSTRUCTION EQUIPMENT IN AREAS OTHER THAN BSA	PE0710	5
1026	*	ASSIGN	2, X\$TIMER	COMPUTE RUN TIME IN DAYS	PE0721	5
1027	*	SAVEVALUE	TIME4, V\$AAB, XL	DELAY TIME (MINUTES) FOR CONSTRUCTION EQUIPMENT IN BSA	PE0721	6
1028	*	ASSIGN	2, MH\$000(32,11)	CONSTRUCTION EQUIPMENT IN BSA	PE0721	7
1029	*	SAVEVALUE	DTBSX, V\$AAX, XL	DELAY TIME (HOURS) FOR CONSTRUCTION EQUIPMENT IN BSA	PE0721	8
1030	*	ASSIGN	2, MH\$000(32,12)	CONSTRUCTION EQUIPMENT IN AREAS OTHER THAN BSA	PE0721	9
1031	*	SAVEVALUE	DTORX, V\$AAX, XL	DELAY TIME (HOURS) FOR CONSTRUCTION EQUIPMENT IN AREAS OTHER THAN BSA	PE0721	10
1032	*	ASSIGN	2, MH\$000(13,12)	EQUIPMENT IN AREAS OTHER THAN BSA	PE0721	11
1033	*	SAVEVALUE	MLBS, V\$AAY, XL	DISTANCE (FEET) FROM LSA TO BSA	PE0721	12
1034	*	ASSIGN	2, MX\$FFF(3,1)	DISTANCE (MILES) FROM LSA TO BSA	PE0721	13
1035	*	SAVEVALUE	DASPI, V\$AAY, XL	DISTANCE (FEET) FROM SHORE TO ASP 1	PE0721	14
1036	*	ASSIGN	2, MX\$FFF(3,2)	DISTANCE (MILES) FROM SHORE TO ASP 1	PE0721	15
1037	*	SAVEVALUE	DASPI, V\$AAY, XL	DISTANCE (FEET) FROM SHORE TO ASP 2	PE0721	16
1038	*	ASSIGN	2, MX\$FFF(3,3)	DISTANCE (MILES) FROM SHORE TO ASP 2	PE0721	17
1039	*	SAVEVALUE	DASPI, V\$AAY, XL	DISTANCE (FEET) FROM SHORE TO ASP 3	PE0721	18
1040	*	ASSIGN	2, MX\$FFF(3,4)	DISTANCE (MILES) FROM SHORE TO ASP 3	PE0721	19
1041	*	SAVEVALUE	DASPI, V\$AAY, XL	DISTANCE (FEET) FROM SHORE TO ASP 4	PE0721	20
1042	*	ASSIGN	2, X\$REC12	TIME DELIVERY STARTS (MINUTES) FOR ASSAULT ECHELON INITIAL SUPPLY	PE0805	7
1043	*	SAVEVALUE	AEC1, V\$AAB, XL	ASSAULT ECHELON INITIAL SUPPLY	PE0805	8
1044	*	ASSIGN	2, X\$AEC22	ASSAULT ECHELON INITIAL SUPPLY	PE0805	9
1045	*	SAVEVALUE	AEC2, V\$AAB, XL	ASSAULT ECHELON INITIAL SUPPLY	PE0805	10
1046	*	ASSIGN	2, X\$AEC32	ASSAULT ECHELON INITIAL SUPPLY	PE0805	11
1047	*	SAVEVALUE	AEC3, V\$AAB, XL	ASSAULT ECHELON INITIAL SUPPLY	PE0805	12
1048	*	ASSIGN	2, X\$AEC42	ASSAULT ECHELON INITIAL SUPPLY	PE0805	13
1049	*	SAVEVALUE	AFC4, V\$AAB, XL	ASSAULT ECHELON INITIAL SUPPLY	PE0805	14
1050	*	ASSIGN	2, X\$AEC52	ASSAULT ECHELON INITIAL SUPPLY	PE0805	15
1051	*	SAVEVALUE	AEC5, V\$AAB, XL	ASSAULT ECHELON INITIAL SUPPLY	PE0805	16
1052	*	ASSIGN	2, X\$AEC62	ASSAULT ECHELON INITIAL SUPPLY	PE0805	17
1053	*	SAVEVALUE	AEC6, V\$AAB, XL	ASSAULT ECHELON INITIAL SUPPLY	PE0805	18
1054	*	ASSIGN	2, X\$AEC72	ASSAULT ECHELON INITIAL SUPPLY	PE0805	19
1055	*	SAVEVALUE	AEC7, V\$AAB, XL	ASSAULT ECHELON INITIAL SUPPLY	PE0805	20
1056	*	ASSIGN	2, X\$AEC82	ASSAULT ECHELON INITIAL SUPPLY	PE0805	21
1057	*	SAVEVALUE	AEC8, V\$AAB, XL	ASSAULT ECHELON INITIAL SUPPLY	PE0805	22
1058	*	ASSIGN	2, X\$AEC92	ASSAULT ECHELON INITIAL SUPPLY	PE0805	23
1059	*	SAVEVALUE	AEC9, V\$AAB, XL	ASSAULT ECHELON INITIAL SUPPLY	PE0805	24
1060	*	ASSIGN	2, X\$AEC92	ASSAULT ECHELON INITIAL SUPPLY	PE0805	25
1061	*	SAVEVALUE	AEC9, V\$AAB, XL	ASSAULT ECHELON INITIAL SUPPLY	PE0805	26

PLCY NUMBER	*LOC	OPERATION	A,P,C,D,E,F,G,H,I,J	COMMENTS	PE0006	CARD NUMBER
1060	*	ASSIGN	2,XSAFE12	TIME DELIVERY STARTS (MINUTES) FOR ASSAULT FOLLOW-ON ECHELON INITIAL SUPPLY	PE0006	15
1061	*	SAVEVALUE	AF1,V8AAB,XL	TIME DELIVERY STARTS (DAYS) FOR ASSAULT FOLLOW-ON ECHELON INITIAL SUPPLY	PE0006	16
1062		ASSIGN	2,XSAFE22		PE0006	17
1063		SAVEVALUE	AFE2,V8AAB,XL		PE0006	18
1064		ASSIGN	2,XSAFE32		PE0006	19
1065		SAVEVALUE	AFE3,V8AAB,XL		PE0006	20
1066		ASSIGN	2,XSAFE42		PE0006	21
1067		SAVEVALUE	AFE4,V8AAB,XL		PE0006	22
1068		ASSIGN	2,XSAFE52		PE0006	23
1069		SAVEVALUE	AFE5,V8AAB,XL		PE0006	24
1070		ASSIGN	2,XSAFE62		PE0006	25
1071		SAVEVALUE	AFE6,V8AAB,XL		PE0006	26
1072		ASSIGN	2,XSAFE72		PE0006	27
1073		SAVEVALUE	AFE7,V8AAB,XL		PE0006	28
1074		ASSIGN	2,XSAFE82		PE0006	29
1075		SAVEVALUE	AFE8,V8AAB,XL		PE0006	30
1076		ASSIGN	2,XSAFE92		PE0006	31
1077		SAVEVALUE	AFE9,V8AAB,XL		PE0006	32
1078		ASSIGN	2,XSAFE12	TIME DELIVERY STARTS (MINUTES) FOR FORCE RESUPPLY FOR MISSION DURATION	PE0006	33
1079	*	SAVEVALUF	FR1,V8AAB,XL	TIME DELIVERY STARTS (DAYS) FOR FORCE RESUPPLY FOR MISSION DURATION	PE0006	34
1080		ASSIGN	2,XSAFE22		PE0006	35
1081		SAVEVALUF	FR2,V8AAB,XL		PE0006	36
1082		ASSIGN	2,XSAFE32		PE0006	37
1083		SAVEVALUF	FR3,V8AAB,XL		PE0006	38
1084		ASSIGN	2,XSAFE42		PE0006	39
1085		SAVEVALUF	FR4,V8AAB,XL		PE0006	40
1086		ASSIGN	2,XSAFE52		PE0006	41
1087		SAVEVALUF	FR5,V8AAB,XL		PE0006	42
1088		ASSIGN	2,XSAFE62		PE0006	43
1089		SAVEVALUF	FR6,V8AAB,XL		PE0006	44
1090		ASSIGN	2,XSAFE72		PE0006	45
1091		SAVEVALUF	FR7,V8AAB,XL		PE0006	46
1092		ASSIGN	2,XSAFE82		PE0006	47
1093		SAVEVALUF	FR8,V8AAB,XL		PE0006	48
1094		ASSIGN	2,XSAFE92		PE0006	49
1095		SAVEVALUF	FR9,V8AAB,XL		PE0006	50
1096		ASSIGN	2,XSAFE12		PE0006	51
1097		SAVEVALUF	FR10,V8AAB,XL		PE0006	52
1098		ASSIGN	2,XSAFE22		PE0006	53
1099		SAVEVALUF	FR11,V8AAB,XL		PE0006	54
1100		ASSIGN	2,XSAFE32		PE0006	55
1101		SAVEVALUF	FR12,V8AAB,XL		PE0006	56
1102		ASSIGN	1,33		PE0006	57
1103	DAF	TEST G	WL\$MM1P1,2,XLSZERO,DAG	TEST IF CONSTRUCTION IS FINISHED ON AREA P1	PE0020	67
1104		SAVEVALUF	P1,V8BAA,XL	COMPUTE CONSTRUCTION TIME	PE0822	49
1105		ASSIGN	2,P1		PE0822	50
1106		ASSIGN	2+,33		PE0822	51
1107		SAVEVALUF	P2,V8BAA,XL	COMPUTE MOE FOR AREA P1	PE0822	52
1108	DAF	LOCP	1,DAF		PE0822	53
1109		SAVEVALUF	CTM30,V8BAP,XL	SUM OF TEMPORARY AND PERMANENT	PE0822	54
1110					PE0826	55

BLOCK NUMBER	*LOC	OPERATION	A, P, C, D, E, F, G, H, I, J	COMMENTS	CARD NUMBER
1110	*	SAVEVALUE	CTM31, V8BAQ, XL	CONSTRUCTION TIMES FOR MSR 1	PE0826
1111	*	SAVEVALUE	CTM32, V8BAP, XL	SUM OF TEMPORARY AND PERMANENT CONSTRUCTION TIMES FOR MSR 2	PE0826
1112	*	SAVEVALUE	CTM33, V8BAS, XL	SUM OF TEMPORARY AND PERMANENT CONSTRUCTION TIMES FOR MSR 3	PE0826
1113	*	SAVEVALUE	CTM34, V8BAC1, XL	SUM OF TEMPORARY AND PERMANENT CONSTRUCTION TIMES FOR MSR 4	PE0826
1114	*	SAVEVALUE	CTM35, V8BAC1, XL	SUM OF PERMANENT MSR CONSTRUCTION TIMES	PE0827
1115		SAVEVALUE	CTM36, V8BAT, XL	SUM OF LSA CONSTRUCTION TIMES	PE0827
1116		SAVEVALUE	CTM37, V8BAU, XL	SUM OF ASF CONSTRUCTION TIMES	PE0827
1117		SAVEVALUE	CTM38, V8BAG1, XL	SUM OF ASF CONSTRUCTION TIMES	PE0827
1118		SAVEVALUE	CTM39, V8BAV, XL	SUM OF ALL CONSTRUCTION TIMES	PE0827
1119		SAVEVALUE	BSAT, V8BAC, XL	MOE FOR BSA	PE0824
1120		SAVEVALUE	MSRPT, V8BAC, XL	MOE FOR PERMANENT MSR	PE0824
1121		SAVEVALUE	LSAT, V8BAE, XL	MOE FOR LSA	PE0824
1122		SAVEVALUE	ASPT, V8BAF, XL	MOE FOR ASF	PE0824
1123		SAVEVALUE	AAFT, V8BAG, XL	MOE FOR AAFS	PE0824
1124		SAVEVALUE	BSAS, V8BAH, XL	MOE FOR BSA	PE0824
1125		SAVEVALUE	MSRPS, V8BAJ, XL	MOE FOR PERMANENT MSR	PE0824
1126		SAVEVALUE	LSAS, V8BAK, XL	MOE FOR LSA	PE0824
1127		SAVEVALUE	ASPS, V8BAL, XL	MOE FOR ASF	PE0824
1128		SAVEVALUE	AAFS, V8BAM, XL	MOE FOR AAFS	PE0824
1129		SAVEVALUE	ALSAT, V8BAN, XL	MOE FOR ALSA	PE0824
1130		SAVEVALUE	ALSAS, V8BAO, XL	MOE FOR ALSA	PE0824
1131		TERMINATE	1	SHUT OFF THE RUN	NATURE
1132		XWAIT LINK	PH1, FIFC		PE0731
1133		REFRY TRANSFER	PH, I3, 1		PE0731
	*	USE OUTPUT EDITOR			PE0131
	*	REPORT EJECT	ALSA		PE0131
	*	SPACE	10	DAVID TAYLOR NAVAL SHIP RESEARCH AND DEVX	PE0710
	*	FLOPPY CENTER	1	COMPUTATION, MATHEMATICS AND LOGISTICS	PE0721
	*	SPACE	1	LOGISTICS DIVISION	PE0721
	*	SPACE	1	BETHESDA, MARYLAND 20084	PE0710
	*	SPACE	5	AMPHIBIOUS LOGISTICS SUPPORT ASHORE (X	PE0710
	*	ALSA) ANALYSIS			PE0710
	40	TEXT	1	CASE NUMBER #XMSCENO, 2/XXX#	PE0710
	40	TEXT		MISSION DURATION = #XL\$TIME, 2/XXX, X# DAYS	PE0710
	40	TEXT		DELAY TIME (RSA) = #XL\$DTBSX, 2/XX, X# HOURS	PE0721
	40	TEXT		DELAY TIME (NON-RSA) = #XL\$DTBXX, 2/XX, X# HOURS	PE0721
	40	TEXT		DISTANCE BETWEEN BSA AND LSA = #XL\$DLSBS, 2/XX, X# MILEX	PE0721

PLUCK
NUMBER

OPERATION A,B,C,D,E,F,G,H,I,J COMMENTS

TEXT

TEXT

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TEXT

PLUCK NUMBER	OPERATION	TEXT	COMMENT	CARD NUMBER
35	40	TEXT	DISTANCE BETWEEN BEACH AND ASP 1 = #XLSDASP1,2/XX.X# X	PE0721
36	40	TEXT	DISTANCE BETWEEN BEACH AND ASP 2 = #XLSDASP2,2/XX.X# X	PE0721
37	40	TEXT	DISTANCE BETWEEN BEACH AND ASP 3 = #XLSDASP3,2/XX.X# X	PE0721
38	40	TEXT	DISTANCE BETWEEN BEACH AND ASP 4 = #XLSDASP4,2/XX.X# X	PE0721
39	40	TEXT		PE0721
40	40	TEXT		PE0721
41	40	TEXT		PE0721
42	40	TEXT		PE0721
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233	40	TEXT		PE0721
234	40	TEXT		PE0721

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	CARD NUMBER
10	TEXT	BSA DUMP 1		#XLSBSP1,2/XX.XX#	5
10	TEXT	BSA DUMP 2		#XLSBSP2,2/XX.XX#	5
10	TEXT	BSA DUMP 3		#XLSBSP3,2/XX.XX#	6
10	TEXT	BSA DUMP 4		#XLSBSP4,2/XX.XX#	7
10	TEXT	BSA TOTAL		#XLSCTM34,2/XXX	11
10	TEXT	MSR TEMPORARY ROUTE 1		#XLSMSTR1,2/XX.XX#	12
10	TEXT	MSR TEMPORARY ROUTE 2		#XLSMSTR2,2/XX.XX#	13
10	TEXT	MSR TEMPORARY ROUTE 3		#XLSMSTR3,2/XX.XX#	14
10	TEXT	MSR TEMPORARY ROUTE 4		#XLSMSTR4,2/XX.XX#	15
10	TEXT	MSR PERMANENT ROUTE 1		#XLSMSPR1,2/XX.XX#	16
10	TEXT	MSR PERMANENT ROUTE 2		#XLSMSPR2,2/XX.XX#	17
10	TEXT	MSR PERMANENT ROUTE 3		#XLSMSPR3,2/XX.XX#	18
10	TEXT	MSR PERMANENT ROUTE 4		#XLSMSPR4,2/XX.XX#	19
10	TEXT	PERMANENT MSR TOTAL		#XLSCTM35,2/XXX	20
10	TEXT	LSA STORAGE AREA 1		#XLSLSSA1,2/XX.XX#	21
10	TEXT	LSA STORAGE AREA 2		#XLSLSSA2,2/XX.XX#	22
10	TEXT	LSA STORAGE AREA 3		#XLSLSSA3,2/XX.XX#	23
10	TEXT	LSA UNSTUFFING AREA		#XLSLSUSA,2/XX.XX#	24
10	TEXT	LSA TRUCK LOADING AREA		#XLSLSTLA,2/XX.XX#	25
10	TEXT	LSA PALLET STAGING AREA		#XLSLSPSA,2/XX.XX#	26
10	TEXT	LSA ADMINISTRATIVE AREA		#XLSLSADA,2/XX.XX#	27
10	TEXT	LSA TOTAL		#XLSCTM36,2/XXX	28
10	TEXT	MSP ROAD A1		#XLSASRA1,2/XX.XX#	29
10	TEXT	MSP ROAD A2		#XLSASRA2,2/XX.XX#	30
10	TEXT	MSP ROAD A3		#XLSASRA3,2/XX.XX#	31
10	TEXT	MSP ROAD A4		#XLSASRA4,2/XX.XX#	32

LOCK NUMBER	*LOC	OPERATION	A, B, C, D, E, F, G, H, I, J	COMMENTS	CARD NUMBER
	XL\$CTM24,2/XX.XX#	ASP REVETMENT A1		PE0411	27
	10 TEXT			PE0821	55
	XL\$CTM25,2/XX.XX#	ASP REVETMENT A2		PE0411	28
	10 TEXT			PE0821	57
	XL\$CTM26,2/XX.XX#	ASP REVETMENT A3		PE0411	29
	10 TEXT			PE0821	59
	XL\$CTM27,2/XX.XX#	ASP REVETMENT A4		PE0411	30
	10 TEXT			PE0821	61
	XL\$CTM28,2/XX.XX#	ASP PFRIMETER		PE0411	31
	10 TEXT			PE0821	63
	XL\$CTM29,2/XX.XX#	ASP TOTAL		PE0411	32
	10 TEXT			PE0827	18
	.XX#			PE0827	19
	SPACE			PE0821	65
	10 TEXT	AAFS1		PE0821	66
	XL\$CTM10,2/XX.XX#	AAFS2		PE0411	33
	10 TEXT			PE0821	68
	XL\$CTM11,2/XX.XX#	AAFS3		PE0411	34
	10 TEXT			PE0821	70
	XL\$CTM12,2/XX.XX#	AAFS4		PE0411	35
	10 TEXT			PE0821	72
	XL\$CTM13,2/XX.XX#	AAFS TOTAL		PE0411	36
	10 TEXT			PE0827	20
	.XX#			PE0827	21
	SPACE			PE0825	27
	10 TEXT	ALSA TOTAL		PE0827	22
	.XX#			PE0827	23
	EJECT			PE0629	7
				PE0706	1
				PE0706	2
				PE0706	2
				PE0630	2
				PE0630	3
				PE0629	10
				PE0629	11
				PE0629	12
				PE0629	13
				PE0629	14
				PE0629	15
				PE0629	16
				PE0629	17
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				PE0629	29
				PE0629	30
				PE0629	31
				PE0629	32

EQUIPMENT DEFINITIONS (STORAGES) ARE AS FOLLOWS

FKLH = LSA FX
FKLJ = ASP 1X
CNLA = BEACHX
CNLB = BSA CX
UNSA = BSA UX
CNLC = LSA CX
UNSB = LSA UX
CNLD = ASP CX
UNSC = ASP UX
CRNA = CRANEX
CRNB = CRANEX

CRNA = CRANEX
CRNB = CRANEX
CRNC = CRANEX
CRND = CRANEX
CRNE = CRANEX
CRNF = CRANEX
CRNG = CRANEX
CRNH = CRANEX
CRNI = CRANEX
CRNJ = CRANEX
CRNK = CRANEX
CRNL = CRANEX
CRNM = CRANEX
CRNN = CRANEX
CRNO = CRANEX
CRNP = CRANEX
CRNQ = CRANEX
CRNR = CRANEX
CRNS = CRANEX
CRNT = CRANEX
CRNU = CRANEX
CRNV = CRANEX
CRNW = CRANEX
CRNX = CRANEX
CRNY = CRANEX
CRNZ = CRANEX

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	CRMC = CRANEX	PE0629	CARD NUMBER
*	S	AT LSA	FKLP = REACH FORKLIFT FOR POL			PE0629	33
*	*	FORKLIFT FOR AMMO	FKLC = BEACH FORKLIFT FOR AMMO			PE0629	34
*	*	FORKLIFT FOR AMMO	FKLD = BSA FORKLIFT FOR GENERAL CARGO			PE0629	35
*	*	FORKLIFT FOR AMMO	FKLE = PSA FORKLIFT FOR POL			PE0629	36
*	*	FORKLIFT FOR AMMO	FKLF = PSA FORKLIFT FOR AMMO			PE0629	37
*	*	BEH TRUCKS FOR BREAK BULK CARGO	FKLM = ASP 4X			PE0629	38
*	*	BEH TRUCKS FOR CONTAINERIZED CARGO	FKLN = FLAT X			PE0629	39
*	*	BEH TRUCKS FOR CONTAINERIZED CARGO	FKLO = FLAT X			PE0629	40
*	*	SPACE 2	FKLP = LSA FORKLIFT FOR GENERAL CARGO			PE0629	41
*	*	SPACE 1	FKLQ = LSA FORKLIFT FOR GENERAL CARGO			PE0629	42
*	*	EQUIPMENT	FKLR = LSA FORKLIFT FOR GENERAL CARGO			PE0629	43
*	*	EQUIPMENT	FKLS = LSA FORKLIFT FOR GENERAL CARGO			PE0629	44
*	*	EQUIPMENT	FKLT = LSA FORKLIFT FOR GENERAL CARGO			PE0629	45
*	*	EQUIPMENT	FKLU = LSA FORKLIFT FOR GENERAL CARGO			PE0629	46
STO	INCLUDE	SPACE	FKLV = LSA FORKLIFT FOR GENERAL CARGO			PE0629	47
	EJECT	SPACE	FKLW = LSA FORKLIFT FOR GENERAL CARGO			PE0629	48
		EQUIPMENT	FKLX = LSA FORKLIFT FOR GENERAL CARGO			PE0629	49
		EQUIPMENT	FKLY = LSA FORKLIFT FOR GENERAL CARGO			PE0629	50
		EQUIPMENT	FKLZ = LSA FORKLIFT FOR GENERAL CARGO			PE0629	51
		EQUIPMENT	FKLA = BSA FORKLIFT FOR GENERAL CARGO			PE0630	52
		EQUIPMENT	FKLB = BSA FORKLIFT FOR GENERAL CARGO			PE0630	53
		EQUIPMENT	FKLC = BSA FORKLIFT FOR GENERAL CARGO			PE0630	54
		EQUIPMENT	FKLD = BSA FORKLIFT FOR GENERAL CARGO			PE0630	55
		EQUIPMENT	FKLE = BSA FORKLIFT FOR GENERAL CARGO			PE0630	56
		EQUIPMENT	FKLF = BSA FORKLIFT FOR GENERAL CARGO			PE0630	57
		EQUIPMENT	FKLG = BSA FORKLIFT FOR GENERAL CARGO			PE0630	58
		EQUIPMENT	FKLH = BSA FORKLIFT FOR GENERAL CARGO			PE0630	59
		EQUIPMENT	FKLI = BSA FORKLIFT FOR GENERAL CARGO			PE0630	60
		EQUIPMENT	FKLJ = BSA FORKLIFT FOR GENERAL CARGO			PE0630	61
		EQUIPMENT	FKLK = BSA FORKLIFT FOR GENERAL CARGO			PE0630	62
		EQUIPMENT	FKLL = BSA FORKLIFT FOR GENERAL CARGO			PE0630	63
		EQUIPMENT	FKLM = BSA FORKLIFT FOR GENERAL CARGO			PE0630	64
		EQUIPMENT	FKLN = BSA FORKLIFT FOR GENERAL CARGO			PE0630	65
		EQUIPMENT	FKLO = BSA FORKLIFT FOR GENERAL CARGO			PE0630	66
		EQUIPMENT	FKLP = BSA FORKLIFT FOR GENERAL CARGO			PE0630	67
		EQUIPMENT	FKLQ = BSA FORKLIFT FOR GENERAL CARGO			PE0630	68
		EQUIPMENT	FKLR = BSA FORKLIFT FOR GENERAL CARGO			PE0630	69
		EQUIPMENT	FKLS = BSA FORKLIFT FOR GENERAL CARGO			PE0630	70
		EQUIPMENT	FKLT = BSA FORKLIFT FOR GENERAL CARGO			PE0630	71
		EQUIPMENT	FKLU = BSA FORKLIFT FOR GENERAL CARGO			PE0630	72
		EQUIPMENT	FKLV = BSA FORKLIFT FOR GENERAL CARGO			PE0630	73
		EQUIPMENT	FKLW = BSA FORKLIFT FOR GENERAL CARGO			PE0630	74
		EQUIPMENT	FKLX = BSA FORKLIFT FOR GENERAL CARGO			PE0630	75
		EQUIPMENT	FKLY = BSA FORKLIFT FOR GENERAL CARGO			PE0630	76
		EQUIPMENT	FKLZ = BSA FORKLIFT FOR GENERAL CARGO			PE0630	77
		EQUIPMENT	FKLA = BSA FORKLIFT FOR GENERAL CARGO			PE0630	78
		EQUIPMENT	FKLB = BSA FORKLIFT FOR GENERAL CARGO			PE0630	79
		EQUIPMENT	FKLC = BSA FORKLIFT FOR GENERAL CARGO			PE0630	80
		EQUIPMENT	FKLD = BSA FORKLIFT FOR GENERAL CARGO			PE0630	81
		EQUIPMENT	FKLE = BSA FORKLIFT FOR GENERAL CARGO			PE0630	82
		EQUIPMENT	FKLF = BSA FORKLIFT FOR GENERAL CARGO			PE0630	83
		EQUIPMENT	FKLG = BSA FORKLIFT FOR GENERAL CARGO			PE0630	84
		EQUIPMENT	FKLH = BSA FORKLIFT FOR GENERAL CARGO			PE0630	85
		EQUIPMENT	FKLI = BSA FORKLIFT FOR GENERAL CARGO			PE0630	86
		EQUIPMENT	FKLJ = BSA FORKLIFT FOR GENERAL CARGO			PE0630	87
		EQUIPMENT	FKLK = BSA FORKLIFT FOR GENERAL CARGO			PE0630	88
		EQUIPMENT	FKLL = BSA FORKLIFT FOR GENERAL CARGO			PE0630	89
		EQUIPMENT	FKLM = BSA FORKLIFT FOR GENERAL CARGO			PE0630	90
		EQUIPMENT	FKLN = BSA FORKLIFT FOR GENERAL CARGO			PE0630	91
		EQUIPMENT	FKLO = BSA FORKLIFT FOR GENERAL CARGO			PE0630	92
		EQUIPMENT	FKLP = BSA FORKLIFT FOR GENERAL CARGO			PE0630	93
		EQUIPMENT	FKLQ = BSA FORKLIFT FOR GENERAL CARGO			PE0630	94
		EQUIPMENT	FKLR = BSA FORKLIFT FOR GENERAL CARGO			PE0630	95
		EQUIPMENT	FKLS = BSA FORKLIFT FOR GENERAL CARGO			PE0630	96
		EQUIPMENT	FKLT = BSA FORKLIFT FOR GENERAL CARGO			PE0630	97
		EQUIPMENT	FKLU = BSA FORKLIFT FOR GENERAL CARGO			PE0630	98
		EQUIPMENT	FKLV = BSA FORKLIFT FOR GENERAL CARGO			PE0630	99
		EQUIPMENT	FKLW = BSA FORKLIFT FOR GENERAL CARGO			PE0630	100

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,F,G,H,I,J	COMMENTS	BSX	PE0630	CARD NUMBER
*	LSDTR	DUMP TRUCK AT LSA		UNSA	8SX	PE0630	2200
A	UNSTUFFING EQUIPMENT			CNLC		PE0630	2201
*	LSPLL	ROLLER AT LSA			LSX	PE0630	2202
A	CONTAINER LIFT			UNSB		PE0630	2203
*	LSGRD	GRADER AT LSA			LSX	PE0630	2204
A	UNSTUFFING EQUIPMENT			CNLD		PE0630	2205
*	LSSFC	SURFACER AT LSA			ASX	PE0630	2206
P	CONTAINER LIFT			UNSC		PE0630	2207
*	ASBUL	BULLDOZER AT ASP			ASX	PE0630	2208
P	UNSTUFFING EQUIPMENT			CRNA		PE0630	2209
*	ASSCP	SCRAPER AT ASP			CRX	PE0630	2210
ANE	AT PEACH						2211
*	ASSLP	SCOP LOADER AT ASP		CRNB		PE0630	2212
ANE	AT PSA				CRX	PE0630	2213
*	ASGPD	GRADER AT ASP		CRNC		PE0630	2214
ANE	AT LCA						2215
*	ASRL	ROLLER AT ASP		FKLK		PE0630	2216
P	2 FORKLIFT FOR AMMO			FKLL		PE0630	2217
*	ASPL	BULLDOZER AT AAFS					2218
P	3 FORKLIFT FOR AMMO			FKLM		PE0630	2219
*	AAGPC	GRADER AT AAFS					2220
P	4 FORKLIFT FCP AMMO			TRKB		PE0630	2221
*	AASCP	SCRAPER AT AAFS					2222
AT	RED TRUCK FOR BREAK BULK CARGO			TRKC		PE0630	2223
*	AASLC	SCOP LOADER AT AAFS					2224
AT	RED TRUCK FCP CONTAINERIZED CARGO						2225
*	CPNE	CRANE AT AAFS					2226
*	SPACE	2					2227
*	EQUIPMENT REQUESTED	MAXIMUM TOTAL NO. OF REQUESTS	NO. OF REQUESTS WITH NO WAITING	AVERAGE WAIT IN QUEUE (MINUTES)			2228
*							2229
*							2230
*							2231
QUE	INCLUDE	0995BUL-08AASLD/1,2,4,5,6					2232
	EJECT						2233
*							2234
*							2235
*							2236
*							2237
*							2238
*							2239
*							2240
*							2241
*	SPACE	2					2242
*							2243
*	SPACE	2					2244
*							2245
*	SPACE	2					2246
*							2247
*	SPACE	1					2248
*							2249
*							2250
*							2251
*							2252
*							2253
*							2254

 * INPUT SECTION *

 SUPPLY MATRIX
 HAF CARGO REQUIREMENTS
 THERE ARE TWELVE DIFFERENT TYPES OF CARGO
 1 = BREAK BULK, GENERAL CARGO
 2 = BREAK BULK, POL
 3 = BREAK BULK, AMMO
 4 = CONTAINERIZED GENERAL CARGO, TO BE UNSTUFFED
 5 = CONTAINERIZED AMMO, TO BE UNSTUFFED
 6 = CONTAINERIZED DRUM POL, TO BE UNSTUFFED

PLUCK
NUMBER

*LOC OPERATION A,R,C,D,E,F,G,H,I,J COMMENTS

* 7 = CONTAINERIZED GENERAL CARGO, NOT TO BE UNSTUFFED PE0005
 * 8 = CONTAINERIZED AMMO, NOT TO BE UNSTUFFED PE0005
 * 9 = CONTAINERIZED DRUM POL, NOT TO BE UNSTUFFED PE0005
 * 10 = SQUARE, SELF POWERED VEHICLES, ON WHEELS PA0020
 * 11 = SQUARE, NON-POWERED VEHICLES, ON WHEELS PA0020
 * 12 = OUTSIZED CARGO PE0005

SPACE 2 ASSAULT ECHELON INITIAL SUPPLY PE0005
 SPACE 1 DELIVERY NUX PE0005
 CARGO NUMBER DELIVERY NUX PE0005
 TYPE OF INTERVAL OFX PE0005
 UNITS LIGHTER (MINUTES) PEX PE0005
 R DELIVERIES LIX PE0005
 GHTEP

SPACE 1
 TEXT #XLSAEC1,2/XX.X# #XMSAEC13,2/X PE0005
 XXX# #XLSAEC11,2/XXX# #XMSAEC14,2/XXX# #XMSAEC23,2/X PE0005
 TEXT #XLSAEC2,2/XX.X# #XMSAEC24,2/XXX# #XMSAEC33,2/X PE0005
 XXX# #XLSAEC3,2/XXX# #XMSAEC34,2/XXX# #XMSAEC43,2/X PE0005
 TEXT #XLSAEC4,2/XX.X# #XMSAEC44,2/XXX# #XMSAEC53,2/X PE0005
 XXX# #XLSAEC5,2/XXX# #XMSAEC54,2/XXX# #XMSAEC63,2/X PE0005
 XXX# #XLSAEC6,2/XX.X# #XMSAEC64,2/XXX# #XMSAEC73,2/X PE0005
 TEXT #XLSAEC7,2/XX.X# #XMSAEC74,2/XXX# #XMSAEC83,2/X PE0005
 XXX# #XLSAEC8,2/XXX# #XMSAEC84,2/XXX# #XMSAEC93,2/X PE0005
 TEXT #XLSAEC9,2/XX.X# #XMSAEC94,2/XXX#
 XXX#
 SPACE 2
 FJERT

ASSAULT FOLLOW-ON ECHELON INITIAL SUPPLY

SPACE 1 DELIVERY NUX PE0006
 CARGO NUMBER DELIVERY NUX PE0006
 TYPE OF INTERVAL OFX PE0006
 UNITS LIGHTER (MINUTES) PEX PE0006
 R DELIVERIES LIX PE0006
 GHTEP

SPACE 1
 TEXT #XLSAFE1,2/XX.X# #XMSAFE13,2/X PE0006
 XXX# #XLSAFE11,2/XXX# #XMSAFE14,2/XXX# PE0006
 TEXT #XLSAFE2,2/XX.X# #XMSAFE23,2/X PE0006
 XXX# #XLSAFE21,2/XXX# #XMSAFE24,2/XXX# PE0006

CARD
NUMBER

45 2255
 46 2256
 47 2257
 5 2258
 6 2259
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BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	CARD NUMBER			
11	XXX#	TEXT	3	#XLSAFE3,2/XX.X#	#XMSAFE33,2/X	PE0006	77	2310
11	XXX#	TEXT	4	#XLSAFE4,2/XX.X#	#XMSAFE34,2/XX#	PE0006	78	2311
11	XXX#	TEXT	5	#XLSAFE5,2/XX.X#	#XMSAFE43,2/X	PE0006	79	2312
11	XXX#	TEXT	6	#XLSAFE6,2/XX.X#	#XMSAFE44,2/XX#	PE0006	80	2313
11	XXX#	TEXT	7	#XLSAFE7,2/XX.X#	#XMSAFE53,2/X	PE0006	81	2314
11	XXX#	TEXT	8	#XLSAFE8,2/XX.X#	#XMSAFE54,2/XX#	PE0006	82	2315
11	XXX#	TEXT	9	#XLSAFE9,2/XX.X#	#XMSAFE63,2/X	PE0006	83	2316
11	XXX#	TEXT	10	#XLSAFE10,2/XX.X#	#XMSAFE64,2/XX#	PE0006	84	2317
11	XXX#	TEXT	11	#XLSAFE11,2/XX.X#	#XMSAFE73,2/X	PE0006	85	2318
11	XXX#	TEXT	12	#XLSAFE12,2/XX.X#	#XMSAFE74,2/XX#	PE0006	86	2319
11	XXX#	TEXT	13	#XLSAFE13,2/XX.X#	#XMSAFE83,2/X	PE0006	87	2320
11	XXX#	TEXT	14	#XLSAFE14,2/XX.X#	#XMSAFE84,2/XX#	PE0006	88	2321
11	XXX#	TEXT	15	#XLSAFE15,2/XX.X#	#XMSAFE93,2/X	PE0006	89	2322
11	XXX#	TEXT	16	#XLSAFE16,2/XX.X#	#XMSAFE94,2/XX#	PE0006	90	2323
11	XXX#	TEXT	17	#XLSAFE17,2/XX.X#	#XMSAFE94,2/XX#	PE0006	91	2324
11	XXX#	TEXT	18	#XLSAFE18,2/XX.X#	#XMSAFE94,2/XX#	PE0006	92	2325
11	XXX#	TEXT	19	#XLSAFE19,2/XX.X#	#XMSAFE94,2/XX#	PE0006	93	2326
11	XXX#	TEXT	20	#XLSAFE20,2/XX.X#	#XMSAFE94,2/XX#	PE0006	94	2327
11	XXX#	TEXT	21	#XLSAFE21,2/XX.X#	#XMSAFE94,2/XX#	PE0006	95	2328
11	XXX#	TEXT	22	#XLSAFE22,2/XX.X#	#XMSAFE94,2/XX#	PE0006	96	2329
11	XXX#	TEXT	23	#XLSAFE23,2/XX.X#	#XMSAFE94,2/XX#	PE0006	97	2330
11	XXX#	TEXT	24	#XLSAFE24,2/XX.X#	#XMSAFE94,2/XX#	PE0006	98	2331
11	XXX#	TEXT	25	#XLSAFE25,2/XX.X#	#XMSAFE94,2/XX#	PE0006	99	2332
11	XXX#	TEXT	26	#XLSAFE26,2/XX.X#	#XMSAFE94,2/XX#	PE0006	100	2333
11	XXX#	TEXT	27	#XLSAFE27,2/XX.X#	#XMSAFE94,2/XX#	PE0006	101	2334
11	XXX#	TEXT	28	#XLSAFE28,2/XX.X#	#XMSAFE94,2/XX#	PE0006	102	2335
11	XXX#	TEXT	29	#XLSAFE29,2/XX.X#	#XMSAFE94,2/XX#	PE0006	103	2336
11	XXX#	TEXT	30	#XLSAFE30,2/XX.X#	#XMSAFE94,2/XX#	PE0006	104	2337
11	XXX#	TEXT	31	#XLSAFE31,2/XX.X#	#XMSAFE94,2/XX#	PE0006	105	2338
11	XXX#	TEXT	32	#XLSAFE32,2/XX.X#	#XMSAFE94,2/XX#	PE0006	106	2339
11	XXX#	TEXT	33	#XLSAFE33,2/XX.X#	#XMSAFE94,2/XX#	PE0006	107	2340
11	XXX#	TEXT	34	#XLSAFE34,2/XX.X#	#XMSAFE94,2/XX#	PE0006	108	2341
11	XXX#	TEXT	35	#XLSAFE35,2/XX.X#	#XMSAFE94,2/XX#	PE0006	109	2342
11	XXX#	TEXT	36	#XLSAFE36,2/XX.X#	#XMSAFE94,2/XX#	PE0006	110	2343
11	XXX#	TEXT	37	#XLSAFE37,2/XX.X#	#XMSAFE94,2/XX#	PE0006	111	2344
11	XXX#	TEXT	38	#XLSAFE38,2/XX.X#	#XMSAFE94,2/XX#	PE0006	112	2345
11	XXX#	TEXT	39	#XLSAFE39,2/XX.X#	#XMSAFE94,2/XX#	PE0006	113	2346
11	XXX#	TEXT	40	#XLSAFE40,2/XX.X#	#XMSAFE94,2/XX#	PE0006	114	2347
11	XXX#	TEXT	41	#XLSAFE41,2/XX.X#	#XMSAFE94,2/XX#	PE0006	115	2348
11	XXX#	TEXT	42	#XLSAFE42,2/XX.X#	#XMSAFE94,2/XX#	PE0006	116	2349
11	XXX#	TEXT	43	#XLSAFE43,2/XX.X#	#XMSAFE94,2/XX#	PE0006	117	2350
11	XXX#	TEXT	44	#XLSAFE44,2/XX.X#	#XMSAFE94,2/XX#	PE0006	118	2351
11	XXX#	TEXT	45	#XLSAFE45,2/XX.X#	#XMSAFE94,2/XX#	PE0006	119	2352
11	XXX#	TEXT	46	#XLSAFE46,2/XX.X#	#XMSAFE94,2/XX#	PE0006	120	2353
11	XXX#	TEXT	47	#XLSAFE47,2/XX.X#	#XMSAFE94,2/XX#	PE0006	121	2354
11	XXX#	TEXT	48	#XLSAFE48,2/XX.X#	#XMSAFE94,2/XX#	PE0006	122	2355
11	XXX#	TEXT	49	#XLSAFE49,2/XX.X#	#XMSAFE94,2/XX#	PE0006	123	2356
11	XXX#	TEXT	50	#XLSAFE50,2/XX.X#	#XMSAFE94,2/XX#	PE0006	124	2357
11	XXX#	TEXT	51	#XLSAFE51,2/XX.X#	#XMSAFE94,2/XX#	PE0006	125	2358
11	XXX#	TEXT	52	#XLSAFE52,2/XX.X#	#XMSAFE94,2/XX#	PE0006	126	2359
11	XXX#	TEXT	53	#XLSAFE53,2/XX.X#	#XMSAFE94,2/XX#	PE0006	127	2360
11	XXX#	TEXT	54	#XLSAFE54,2/XX.X#	#XMSAFE94,2/XX#	PE0006	128	2361
11	XXX#	TEXT	55	#XLSAFE55,2/XX.X#	#XMSAFE94,2/XX#	PE0006	129	2362
11	XXX#	TEXT	56	#XLSAFE56,2/XX.X#	#XMSAFE94,2/XX#	PE0006	130	2363
11	XXX#	TEXT	57	#XLSAFE57,2/XX.X#	#XMSAFE94,2/XX#	PE0006	131	2364

FORCE RESUPPLY FOR MISSION DURATION

1 DELIVERY NUX
 2 DELIVERY OFX
 3 INTERVAL PEX
 4 LIGHTER (MINUTES)
 5 DELIVERIES LIX

DESCRIPTION OF CONSTRUCTION OPERX
 PE0706

CRM GPSS V/6000 VER. 1.2 PSR 412 04/25/79 14.41.40.

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	PE0706	CARD NUMBER
*		SPACE	2			12
*		MS THAT ARE SIMULATED.		THE TABLE BELOW LISTS THE CONSTRUCTION OPERATIONS	PE0706	2365
*		DATA DESCRIBING THESE OPERATIONS IS LISTED IN MK			PE0706	2366
*		ATRIX AAA WHICH FOLLOWS THIS			PE0706	2368
*		TABLE.			PE0706	2369
*		SPACE	2		PE0706	17
*				P DENOTES THE PRIORITY OF THE OPER	PE0706	18
*		ATION			PE0801	2
*				R DENOTES THE ROW NUMBER OF MATRIX	PE0706	22
*		AAA			PE0706	23
*					PE0706	24
*					PE0131	26
*					PE0817	1
*					PE0817	2
*					PE0817	3
*					PE0817	4
*					PE0817	5
*					PE0817	6
*					PE0817	7
*					PE0817	8
*					PE0817	9
*					PE0817	10
*					PE0817	11
*					PE0817	12
*					PE0817	13
*					PE0817	14
*					PE0817	15
*					PE0817	16
*					PE0817	17
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*					PE0817	20
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*					PE0817	23
*					PE0817	24
*					PE0817	25
*					PE0817	26
*					PE0817	27
*					PE0817	28
*					PE0817	29
*					PE0817	30
*					PE0817	31
*					PE0817	32
*					PE0817	33
*					PE0817	34
*					PE0817	35
*					PE0817	36
*					PE0817	37
*					PE0817	38
*					PE0817	39
*					PE0817	40
*					PE0817	41
*					PE0817	42
*					PE0817	43

BLK NUMBER	OPERATION	A, R, C, D, E, F, G, H, I, J	COMMENTS	PE	CARD NUMBER	
*	P=17, R=52	STRIP UNSTUFFING AREA (LSA)	SCRAPER	PE0017	44	
*	P=20, R=53	STRIP ADMINISTRATIVE AREA (LSA)	SCRAPER	PE0017	45	
*	P=14, R=54	FILL STORAGE AREA 1 (LSA)	DUMP TRUCK	PE0017	46	
*	P=15, R=55	FILL STORAGE AREA 2 (LSA)	DUMP TRUCK	PE0017	47	
*	P=16, R=56	FILL STORAGE AREA 3 (LSA)	DUMP TRUCK	PE0017	48	
*	P=17, R=57	FILL UNSTUFFING AREA (LSA)	DUMP TRUCK	PE0017	49	
*	P=18, R=58	FILL TRUCK LOADING AREA (LSA)	DUMP TRUCK	PE0017	50	
*	P=20, R=59	FILL ADMINISTRATIVE AREA (LSA)	DUMP TRUCK	PE0017	51	
*	P=14, R=60	COMPACT STORAGE AREA 1 (LSA)	ROLLER	PE0017	52	
*	P=15, R=61	COMPACT STORAGE AREA 2 (LSA)	ROLLER	PE0017	53	
*	P=16, R=62	COMPACT STORAGE AREA 3 (LSA)	ROLLER	PE0017	54	
*	P=17, R=63	COMPACT UNSTUFFING AREA (LSA)	ROLLER	PE0017	55	
*	P=18, R=64	COMPACT TRUCK LOADING AREA (LSA)	ROLLER	PE0017	56	
*	P=20, R=65	COMPACT ADMINISTRATIVE AREA (LSA)	ROLLER	PE0017	57	
*	P=14, R=66	GRADE STORAGE AREA 1 (LSA)	GRADER	PE0017	58	
*	P=15, R=67	GRADE STORAGE AREA 2 (LSA)	GRADER	PE0017	59	
*	P=16, R=68	GRADE STORAGE AREA 3 (LSA)	GRADER	PE0017	60	
*	P=17, R=69	GRADE UNSTUFFING AREA (LSA)	GRADER	PE0017	61	
*	P=18, R=70	GRADE TRUCK LOADING AREA (LSA)	GRADER	PE0017	62	
*	P=19, R=71	GRADE PALLET STAGING AREA (LSA)	GRADER	PE0017	63	
*	P=20, R=72	GRADE ADMINISTRATIVE AREA (LSA)	GRADER	PE0017	64	
*	P=14, R=73	SURFACE STORAGE AREA 1 (LSA)	SURFACER	PE0017	65	
*	P=15, R=74	SURFACE STORAGE AREA 2 (LSA)	SURFACER	PE0017	66	
*	P=16, R=75	SURFACE STORAGE AREA 3 (LSA)	SURFACER	PE0017	67	
*	P=17, R=76	SURFACE UNSTUFFING AREA (LSA)	SURFACER	PE0017	68	
*	P=21, R=77	CLEAR ROAD A1 (ASP)	BULLDOZER	PE0017	69	
*	P=22, R=78	CLEAR ROAD A2 (ASP)	BULLDOZER	PE0017	70	
*	P=23, R=79	CLEAR ROAD A3 (ASP)	BULLDOZER	PE0017	71	
*	P=24, R=80	CLEAR ROAD A4 (ASP)	BULLDOZER	PE0017	72	
*	P=25, R=81	CLEAR REVETMENT A1 (ASP)	BULLDOZER	PE0017	73	
*	P=26, R=82	CLEAR REVETMENT A2 (ASP)	BULLDOZER	PE0017	74	
*	P=27, R=83	CLEAR REVETMENT A3 (ASP)	BULLDOZER	PE0017	75	
*	P=28, R=84	CLEAR REVETMENT A4 (ASP)	BULLDOZER	PE0017	76	
*	P=29, R=85	CLEAR PERIMETER (ASP)	BULLDOZER	PE0017	77	
*	P=25, R=86	DEPOSIT MATERIAL FOR BERMS ON REVETMENT A1 (ASPX)	PE0017	78	2454	
)	SCRAPER			PE0017	79	2455
*	P=26, R=87	DEPOSIT MATERIAL FOR BERMS ON REVETMENT A2 (ASPX)	PE0017	80	2456	
)	SCRAPER			PE0017	81	2457
*	P=27, R=88	DEPOSIT MATERIAL FOR BERMS ON REVETMENT A3 (ASPX)	PE0017	82	2458	
)	SCRAPER			PE0017	83	2459
*	P=29, R=89	DEPOSIT MATERIAL FOR BERMS ON REVETMENT A4 (ASPX)	PE0017	84	2460	
)	SCRAPER			PE0017	85	2461
*	P=25, R=90	PILE EARTH AT BERMS FOR REVETMENT A1 (ASP)	X PE0017	86	2462	
*	P=26, R=91	PILE EARTH AT BERMS FOR REVETMENT A2 (ASP)	X PE0017	87	2463	
*	P=27, R=92	PILE EARTH AT BERMS FOR REVETMENT A3 (ASP)	X PE0017	88	2464	
*	P=28, R=93	PILE EARTH AT BERMS FOR REVETMENT A4 (ASP)	X PE0017	89	2465	
*	P=29, R=94	PILE EARTH AT BERMS FOR REVETMENT A1 (ASP)	X PE0017	90	2466	
*	P=25, R=95	SHAPE BERMS FOR REVETMENT A1 (ASP)	X PE0017	91	2467	
*	P=26, R=96	SHAPE BERMS FOR REVETMENT A2 (ASP)	X PE0017	92	2468	
*	P=27, R=97	SHAPE BERMS FOR REVETMENT A3 (ASP)	X PE0017	93	2469	
*	P=28, R=98	SHAPE BERMS FOR REVETMENT A4 (ASP)	X PE0017	94	2470	
*	P=29, R=99	SHAPE BERMS FOR REVETMENT A1 (ASP)	X PE0017	95	2471	
*	P=25, R=94	GRADER	PE0017	96	2472	
*	P=26, R=95	GRADER	PE0017	97	2473	
*	P=27, R=96	GRADER	PE0017	98	2474	
*	P=28, R=97	GRADER	PE0017	99	2475	
*	P=29, R=98	ROLLER	PE0017	100	2476	

BLOCK NUMBER	LOC	OPERATION	A ₁ , R ₁ , C ₁ , D ₁ , E ₁ , F ₁ , G ₁ , H ₁ , I ₁ , J	COMMENTS	PE0017	CARD NUMBER
*		P=22, F=99	COMPACT ROAD A2 (ASP)	ROLLER	PE0017	2475
*		P=23, P=100	COMPACT ROAD A3 (ASP)	ROLLER	PE0017	2476
*		P=24, P=101	COMPACT ROAD A4 (ASP)	ROLLER	PE0017	2477
*		P=21, R=102	GRADE ROAD A1 (ASP)	GRADER	PE0017	2478
*		P=22, R=103	GRADE ROAD A2 (ASP)	GRADER	PE0017	2479
*		P=23, R=104	GRADE ROAD A3 (ASP)	GRADER	PE0017	2480
*		P=24, R=105	GRADE ROAD A4 (ASP)	GRADER	PE0017	2481
*		P=21, R=106	STRIP ROAD A1 (ASP)	SCRAPER	PE0017	2482
*		P=22, R=107	STRIP ROAD A2 (ASP)	SCRAPER	PE0017	2483
*		P=23, P=108	STRIP ROAD A3 (ASP)	SCRAPER	PE0017	2484
*		P=24, R=109	STRIP ROAD A4 (ASP)	SCRAPER	PE0017	2485
*		P=10, R=110	CLEAR AAFS1	BULLDOZER	PE0018	2486
*		P=11, R=111	CLEAR AAFS2	BULLDOZER	PE0018	2487
*		P=12, R=112	CLEAR AAFS3	BULLDOZER	PE0018	2488
*		P=13, P=113	CLEAR AAFS4	BULLDOZER	PE0018	2489
*		P=10, R=114	GRADE AAFS1	GRADER	PE0018	2490
*		P=11, R=115	GRADE AAFS2	GRADER	PE0018	2491
*		P=12, R=116	GRADE AAFS3	GRADER	PE0018	2492
*		P=13, P=117	GRADE AAFS4	GRADER	PE0018	2493
*		P=10, R=118	DEPOSIT BERM MATERIAL FOR BERM 1	SCRAPER	PE0018	2494
*		P=11, R=119	DEPOSIT BERM MATERIAL FOR BERM 2	SCRAPER	PE0018	2495
*		P=12, P=120	DEPOSIT BERM MATERIAL FOR BERM 3	SCRAPER	PE0018	2496
*		P=13, R=121	DEPOSIT BERM MATERIAL FOR BERM 4	SCRAPER	PE0018	2497
*		P=10, P=122	PILE EARTH AT BERM 1	SCOOP LOADER	PE0018	2498
*		P=11, R=123	PILE EARTH AT BERM 2	SCOOP LOADER	PE0018	2499
*		P=12, R=124	PILE EARTH AT BERM 3	SCOOP LOADER	PE0018	2500
*		P=13, R=125	PILE EARTH AT BERM 4	SCOOP LOADER	PE0018	2501
*		P=10, R=126	SHAPE BERM 1	GRADER	PE0018	2502
*		P=11, R=127	SHAPE BERM 2	GRADER	PE0018	2503
*		P=12, R=128	SHAPE BERM 3	GRADER	PE0018	2504
*		P=13, R=129	SHAPE BERM 4	GRADER	PE0018	2505
*		SPACE 3			PE0210	2506
*		SPACE 2		CONSTRUCTION INPUT MATRIX AAA	PE0706	2507
*		SPACE 1			PE0706	2508
*		OF EQUIPMENT	SQUARE FEET	RATE(SQ FT/MIN)	PE0706	2509
*		ING OPERATION		NUMBER X	PE0706	2510
*		SPACE		PERFORMX	PE0706	2511
*		TITLE			PE0706	2512
*		EJECT			PE0706	2513
*					PE0706	2514
*					PE0706	2515
*					PE0706	2516
*					PE0706	2517
*					PE0706	2518
*					PE0706	2519
*					PE0706	2520
*					PE0706	2521
*					PE0706	2522
*					PE0706	2523
*					PE0706	2524
*					PE0706	2525
*					PE0207	2526
*					PE0207	2527
*					PE0207	2528
*					PE0207	2529

THE TABLE BELOW LISTS THE CARGO HANDLING AND TRANSPORTATION OPERATIONS THAT WERE SIMULATED AND THE CORRESPONDING ELEMENTS IN THE MATRIX GCC WHERE THE DATA DESCRIBING THESE OPERATIONS IS LOCATED

SPACE 2 TYPE OF BEACH FORKLIFT USED TO LOAD CARGO TYPE I OR NTO TRUCK (PAGE 2, NODES 46, 47)

SPACE 1 I=1-3 NUMBER OF BEACH FORKLIFTS OF TYPE CCC(7,I) USED TOX

BLOCK NUMBER	*LOC	OPERATION	F, R, C, D, E, F, G, M, I, J	COMMENTS	CARD NUMBER
25		LOAD ONE TRUCK WITH CARGO TYPE I			PE0207
26		* CCC(9,I), I=1-3 NUMBER OF UNITS/HOUR OF CARGO TYPE I THAT FORKLIFTX			PE0207
27		TYPE CCC(7,I) CAN TRANSFER FROM LIGHTER TO TRUCK			PE0207
28		* CCC(10,I), I=1-3 NUMBER OF UNITS OF CARGO TYPE I THAT ONE TRUCK CAX			PE0207
29		N CARRY (PAGE 2, NODE 45)			PE0207
30		* CCC(11,I), I=1-3 SPEED (IN FEET/MINUTE) OF TRUCK CARRYING CARGO TYX			PE0215
31		PE I FROM BEACH TO BSA			PE0215
32		* CCC(12,I), I=1-3 (PAGE 2, NODES 50-51)			PE0215
33		* I FROM TRUCK (PAGE 2, NODES 52,53)			PE0207
34		* CCC(13,I), I=1-3 NUMBER OF BSA FORKLIFTS OF TYPE CCC(12,I) USED TOX			PE0207
35		UNLOAD CARGO TYPE I FROM ONE TRUCK			PE0207
36		* CCC(14,I), I=1-3 NUMBER OF UNITS/HOUR OF CARGO TYPE I THAT FORKLIFX			PE0207
37		T TYPE CFC(12,I) CAN UNLOAD FROM TRUCK			PE0207
38		* CCC(15,I), I=1-3 SPEED (IN FEET/MINUTE) OF TRUCK RETURNING TO BEACH			PE0215
39		H FROM BSA AFTER DELIVERING CARGO TYPE I			PE0215
40		* CCC(16,I), I=1-3 (PAGE 2, NODES 55-45)			PE0215
41		* PAGE BY FORKLIFT TYPE CCC(12,I)			PE0207
42		* CCC(17,I), I=1,2 SPEED (IN FEET/MINUTE) OF TRUCK CARRYING CARGO TYX			PE0215
43		PE I FROM BEACH TO LSA (PAGE 2, NODES 50-57)			PE0215
44		* CCC(18,I), I=1,2 TYPE OF FORKLIFT USED AT LSA TO UNLOAD CARGO TYPEX			PE0207
45		I FROM TRUCK (PAGE 2, NODES 58,59)			PE0207
46		* CCC(19,I), I=1,2 NUMBER OF LSA FORKLIFTS OF TYPE CCC(18,I) USED TOX			PE0207
47		UNLOAD CARGO TYPE I FROM ONE TRUCK			PE0207
48		* CCC(20,I), I=1,2 NUMBER OF UNITS/HOUR OF CARGO TYPE I THAT FORKLIFX			PE0207
49		T TYPE CFC(18,I) CAN UNLOAD FROM TRUCK			PE0207
50		* CCC(21,I), I=1,2 SPEED (IN FEET/MINUTE) OF TRUCK RETURNING TO BEACH			PE0215
51		H FROM LSA AFTER DELIVERING CARGO TYPE I			PE0215
52		* CCC(22,I), I=1,2 (PAGE 2, NODES 61-45)			PE0215
53		* PAGE BY FORKLIFT TYPE CCC(18,I)			PE0207
54		* CCC(23,I), I=1-4 SPEED OF TRUCK (IN FEET/MINUTE) CARRYING CARGO TYX			PE0207
55		PE 3 BETWEEN SHORE AND ASP(I)			PE0207
56		* CCC(24,I), I=1-4 (PAGE 2, NODES 50-50.1)			PE0207
57		AT ASP(I) (PAGE 2.1, NODES 62.2, 50.5, 51.3, 52.2)			PE0207
58		* CCC(25,I), I=1-4 NUMBER OF ASP FORKLIFTS OF TYPE CCC(24,I) USED TOX			PE0207
59		UNLOAD CARGO TYPE 3 FROM ONE TRUCK			PE0207
60		* CCC(26,I), I=1-4 NUMBER OF PALLETS/HOUR OF CARGO TYPE 3 THAT FORKLX			PE0207
61		IFT TYPE CCC(24,I) CAN UNLOAD FROM TRUCK			PE0207
62		* CCC(27,I), I=1-4 SPEED OF TRUCK (IN FEET/MINUTE) OF UNLOADED TRUCKX			PE0207
63		RETURNING TO BEACH FROM ASP(I)			PE0207
64		* CCC(28,I), I=1-4 (PAGE 2.1, NODES 52.4-45, 50.7-45, 51.5-45, 52.4X			PE0207
65		-45)			PE0207
66		* CFC(28,I), I=1-4 NUMBER OF PALLETS/HOUR OF CARGO TYPE 3 THAT FORKLX			PE0207
67		TFT TYPE CCC(24,I) CAN MOVE TO STORAGE			PE0207
68		* CCC(29,I), I=1-4 (PAGE 2.1, NODES 52.4-62.5, 50.7-50.8, 51.5-51.6X			PE0207
69		52.4-52.5)			PE0207
70		* CCC(30,I), I=4-9 NUMBER OF CONTAINERS PER LIGHTER OF CARGO TYPE I			PE0207
71		* CCC(31,I), I=4-9 TYPE OF CONTAINER LIFT USED TO UNLOAD LIGHTER AND X			PE0207
72		LOAD TRUCK WITH CARGO TYPE I			PE0207
73		* (PAGE 3, NODE 63)			PE0207

BLACK NUMBER	LOC	OPERATION	COMMENTS	CARD NUMBER
81	* CCC(18,I), I=4-9	NUMBER OF CONTAINER LIFTS OF TYPE CCC(7,I) USED TO LOAD ONE TRUCK WITH CARGO TYPE I	USED TOX	PE0207
82	* CCC(19,I), I=4-9	NUMBER OF CONTAINERS/HOUR OF CARGO TYPE I THAT CONTAINER LIFT TYPE CCC(7,I) CAN TRANSFER FROM LIGHTER TO TRUCK	PE0207	2585
83	* CCC(10,I), I=4-9	NUMBER OF CONTAINERS OF CARGO TYPE I THAT A TRUCKX CAN CARRY (PAGE 3, NODES 42,45)	PE0207	2586
84	* CCC(11,I), I=4-9	SPEED (IN FEET/MINUTE) OF A TRUCK CARRYING CARGO X TYPE I FROM PEACH TO BSA	PE0207	2587
85	* CCC(12,I), I=4-9	TYPE OF BSA CONTAINER LIFT USED TO UNLOAD CARGO TX	PE0207	2588
86	* CCC(13,I), I=4-9	NUMBER OF CONTAINER LIFTS OF TYPE CCC(12,I) USED TO UNLOAD ONE TRUCK WITH CARGO TYPE I	PE0207	2589
87	* CCC(14,I), I=4-9	NUMBER OF CONTAINERS/HOUR THAT CONTAINER LIFT TYPE CCC(12,I) CAN UNLOAD FROM TRUCK	PE0207	2590
88	* CCC(15,I), I=4-9	SPEED (IN FEET/MINUTE) OF A TRUCK RETURNING TO BEACH FROM BSA AFTER DELIVERING CARGO TYPE I	PE0215	2591
89	* CCC(16,I), I=4-6	TYPE OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0215	2592
90	* CCC(17,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0215	2593
91	* CCC(18,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2594
92	* CCC(19,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2595
93	* CCC(20,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2596
94	* CCC(21,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2597
95	* CCC(22,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2598
96	* CCC(23,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2599
97	* CCC(24,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2600
98	* CCC(25,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2601
99	* CCC(26,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2602
100	* CCC(27,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2603
101	* CCC(28,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2604
102	* CCC(29,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2605
103	* CCC(30,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2606
104	* CCC(31,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2607
105	* CCC(32,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2608
106	* CCC(33,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2609
107	* CCC(34,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2610
108	* CCC(35,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2611
109	* CCC(36,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2612
110	* CCC(37,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2613
111	* CCC(38,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2614
112	* CCC(39,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2615
113	* CCC(40,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2616
114	* CCC(41,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2617
115	* CCC(42,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2618
116	* CCC(43,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2619
117	* CCC(44,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2620
118	* CCC(45,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2621
119	* CCC(46,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2622
120	* CCC(47,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2623
121	* CCC(48,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2624
122	* CCC(49,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2625
123	* CCC(50,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2626
124	* CCC(51,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2627
125	* CCC(52,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2628
126	* CCC(53,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2629
127	* CCC(54,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2630
128	* CCC(55,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2631
129	* CCC(56,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2632
130	* CCC(57,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2633
131	* CCC(58,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2634
132	* CCC(59,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0215	2635
133	* CCC(60,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0215	2636
134	* CCC(61,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0215	2637
135	* CCC(62,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2638
136	* CCC(63,I), I=4-6	NUMBER OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO	PE0207	2639

BLANK NUMBER	*LOC	OPERATION	A, B, C, D, E, F, G, H, I, J	COMMENTS	PE0207	CARD NUMBER
	*	CCC(31,I), I=4-6	(PAGE 4, NODES 83.2, 101)		PE0207	137
	*	CCC(32,I), I=4-6	NUMBER OF LSA/ASP UNSTUFFING EQUIPMENT OF TYPE CXX		PE0207	138
	*	CCC(33,I), I=4-6	NUMBER OF LSA/ASP UNSTUFFING EQUIPMENT OF TYPE CXX		PE0207	139
	*	CCC(34,I), I=4-6	NUMBER OF CONTAINERS/HOUR OF CARGO TYPE I THAT UNX		PE0207	140
	*	CCC(35,I), I=4-6	NUMBER OF CONTAINERS/HOUR OF CARGO TYPE I THAT UNX		PE0207	141
	*	CCC(36,I), I=4-6	TYPE OF LSA/ASP FORKLIFT USED TO MOVE UNSTUFFED CARGO		PE0207	142
	*	CCC(37,I), I=4-6	TYPE OF LSA/ASP FORKLIFT USED TO MOVE UNSTUFFED CARGO		PE0207	143
	*	CCC(38,I), I=4-6	(PAGE 4, NODES 58, 59, 62.2)		PE0207	144
	*	CCC(39,I), I=4-6	NUMBER OF FORKLIFTS OF TYPE CCC(33,I) USED TO MOVE		PE0207	145
	*	CCC(40,I), I=4-6	NUMBER OF FORKLIFTS OF TYPE CCC(33,I) USED TO MOVE		PE0207	146
	*	CCC(41,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0207	147
	*	CCC(42,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0207	148
	*	CCC(43,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0207	149
	*	CCC(44,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0207	150
	*	CCC(45,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0207	151
	*	CCC(46,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0207	152
	*	CCC(47,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0207	153
	*	CCC(48,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0207	154
	*	CCC(49,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0207	155
	*	CCC(50,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	58
	*	CCC(51,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	59
	*	CCC(52,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	60
	*	CCC(53,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	61
	*	CCC(54,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	62
	*	CCC(55,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	63
	*	CCC(56,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	64
	*	CCC(57,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	65
	*	CCC(58,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	66
	*	CCC(59,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	67
	*	CCC(60,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	68
	*	CCC(61,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	69
	*	CCC(62,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	70
	*	CCC(63,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	71
	*	CCC(64,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	72
	*	CCC(65,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	73
	*	CCC(66,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	74
	*	CCC(67,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	75
	*	CCC(68,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	76
	*	CCC(69,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	77
	*	CCC(70,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	78
	*	CCC(71,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	79
	*	CCC(72,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	80
	*	CCC(73,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	81
	*	CCC(74,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	82
	*	CCC(75,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	83
	*	CCC(76,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	84
	*	CCC(77,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	85
	*	CCC(78,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	86
	*	CCC(79,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	87
	*	CCC(80,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	88
	*	CCC(81,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	89
	*	CCC(82,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	90
	*	CCC(83,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	91
	*	CCC(84,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	92
	*	CCC(85,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	93
	*	CCC(86,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	94
	*	CCC(87,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	95
	*	CCC(88,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	96
	*	CCC(89,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	97
	*	CCC(90,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	98
	*	CCC(91,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	99
	*	CCC(92,I), I=4-6	NUMBER OF UNSTUFFED CARGO TYPE I THAT UNX		PE0215	100

BLOCK NUMBER	*LOC	OPERATION	A,B,C,D,E,F,G,H,I,J	COMMENTS	CARD NUMBER
	ARGC	CCC(25,13)		TYPE OF LSA CRANE USED TO UNLOAD TYPE 13 CARGO FROM TRUCK	PE0207
	CK	CCC(26,13)		NUMBER OF CRANES OF TYPE CCG(25,13) USED TO UNLOAD TYPE 13 CARGO FROM ONE TRUCK	PE0207
		CCC(27,13)		NUMBER OF UNITS/HOUR OF TYPE 13 CARGO THAT CRANE TYPE CX CAN UNLOAD FROM TRUCK	PE0207
		CCC(28,13)		SPEED OF UNLOADED TRUCK AFTER UNLOADING TYPE 13 CARGO	PE0207
		CCC(29,13)		TYPE OF 9SA CRANE USED TO UNLOAD CARGO TYPE 13 FROM TRUCK	PE0207
	CK	(PAGE 5, NOPE 159)			PE0207
		CCC(30,13)		NUMBER OF CRANES OF TYPE CCG(29,13) USED TO UNLOAD TYPE 13 CARGO FROM ONE TRUCK	PE0207
		CCC(31,13)		NUMBER OF UNITS/HOUR OF TYPE 13 CARGO THAT CRANE TYPE CX CAN UNLOAD FROM TRUCK	PE0207
		CCC(32,11)		DELAY TIME (IN MINUTES) FOR CONSTRUCTION EQUIPMENT IN RX	PE0504
		CCC(32,12)		DELAY TIME (IN MINUTES) FOR CONSTRUCTION EQUIPMENT IN AX	PE0504
		CCC(20,7)		DELAY TIME (IN MINUTES) BEFORE STARTING PERMANENT MSR COX CONSTRUCTION	PE0819
		CCC(20,8)		DELAY TIME (IN MINUTES) BEFORE STARTING LSA CONSTRUCTION	PE0819
		CCC(20,9)		DELAY TIME (IN MINUTES) BEFORE STARTING ASP CONSTRUCTION	PE0819
		CCC(20,10)		DELAY TIME (IN MINUTES) BEFORE STARTING AAFS CONSTRUCTION	PE0819
	ON	CCC(49,1), I=4,5,7,9		SPEED (IN FEET/MINUTE) OF A TRUCK CARRYING CARGO TYPE I FROM PEACH TO LSA	PE0216
	DGN	TYPE I FROM PEACH TO LSA		(PAGE 3, NODES 66-82)	PE0216
		CCC(49,1), I=5,8		SPEED (IN FEET/MINUTE) OF A TRUCK CARRYING CARGO X TYPE I FROM PEACH TO ASP	PE0216
		FFF(3,1), I=1-4		DISTANCE (IN FEET) FROM SHORE TO ASP I SPACE 3	PE0210
		UT MATRIX CCG		CARGO HANDLING AND TRANSPORTATION IMPX	PE0706
		SPACE 1			PE0706
	HMS	TITLE CCG			PE0706
		EJECT			PE0706
		FNPFPOPT			PE0131
		CONTROL CARDS			NATURE
		START 1,,,,,ALSA		START THE RUN	NATURE
					PE0131

APPENDIX B
OUTPUT FROM PROGRAM

W S R D C GPSS V/6000

GRM GPSS V/6000 VER. 1.2 PSR 412

04/25/79 14.41.59.

DAVID TAYLOR NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER
COMPUTATION, MATHEMATICS AND LOGISTICS DEPARTMENT
LOGISTICS DIVISION
BETHESDA, MARYLAND 20804

AMPHIBIOUS LOGISTICS SUPPORT ASHORE (ALSA) ANALYSIS

CASE NUMBER 10
MISSION DURATION = 20.0 DAYS
DELAY TIME (BSA) = 2.0 HOURS
DELAY TIME (NON-BSA) = 6.0 HOURS
DISTANCE BETWEEN BSA AND LSA = 1.9 MILES
DISTANCE BETWEEN BEACH AND ASP 1 = 3.8 MILES
DISTANCE BETWEEN BEACH AND ASP 2 = 5.0 MILES
DISTANCE BETWEEN BEACH AND ASP 3 = 6.7 MILES
DISTANCE BETWEEN BEACH AND ASP 4 = 5.5 MILES

 *
 * OUTPUT SECTION *
 *

PSA CARGO DELIVERY

CONTAINERS

GENERAL CARGO (PALLETS) AMMO (PALLETS)

TIME (HOURS)

HALFWORD MATRIX GGG

ROW/COL/UMN

	1	2	3	4	5
1	24	0	0	0	0
2	48	1740	650	650	0
3	72	1740	1400	1400	0
4	96	1740	2100	2100	0
5	120	1740	2850	2950	0
6	144	1740	3550	3550	460
7	168	1740	4250	4250	940
8	192	1740	5000	5000	1420
9	216	1740	5700	5700	1900
10	240	1740	6450	6450	2380
11	264	1740	7150	6850	2860
12	288	1740	7700	6850	3340
13	312	1740	7700	6850	3820
14	336	1740	7700	6850	4300
15	360	1740	7700	6850	4780
16	384	1740	7700	6850	5260
17	408	1740	7700	6850	5740
18	432	1740	7700	6850	6220
19	456	1740	7700	6850	6700
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	0	0	0	0
32	0	0	0	0	0
33	0	0	0	0	0
34	0	0	0	0	0
35	0	0	0	0	0
36	0	0	0	0	0
37	0	0	0	0	0
38	0	0	0	0	0

04/25/79 14.42.00.

CRM GPSS V/6000 VER. 1.2 PSR 412

N S P D C GPSS V/6000
HALFWORC MATRIX GGS

ROW/COLUMN	1	2	3	4	5
39	0	0	0	0	0
40	0	0	0	0	0
41	0	0	0	0	0
42	0	0	0	0	0
43	0	0	0	0	0
44	0	0	0	0	0
45	0	0	0	0	0
46	0	0	0	0	0
47	0	0	0	0	0
48	0	0	0	0	0
49	0	0	0	0	0
50	0	0	0	0	0

04/25/79 14:42.00.

VER. 1.2 PSR 412

CRM GPSS V/6000

LSA CARGO DELIVERY

GENERAL CARGO

PALLETS CONTAINERS POWERED NON-POWERED NON-WHEELED

WERED NON-WHEELED

TIME (HOURS)

HALFWORD MATRIX MMH

ROW/COLUMN

	1	2	3	4	5	6
1	24	0	0	0	0	0
2	48	0	0	0	0	0
3	72	0	0	0	0	0
4	96	0	0	0	0	0
5	120	0	0	0	0	0
6	144	0	0	0	0	0
7	168	0	0	0	0	0
8	192	0	0	0	0	0
9	216	0	0	0	0	0
10	240	0	0	0	0	0
11	264	0	0	0	0	0
12	288	0	0	0	0	0
13	312	0	0	0	0	0
14	336	0	0	0	0	0
15	360	0	0	0	0	0
16	384	0	0	0	0	0
17	408	0	0	0	0	0
18	432	0	0	0	0	0
19	456	0	0	0	0	0
20	0	0	0	0	0	0
21	0	0	0	0	0	0
22	0	0	0	0	0	0
23	0	0	0	0	0	0
24	0	0	0	0	0	0
25	0	0	0	0	0	0
26	0	0	0	0	0	0
27	0	0	0	0	0	0
28	0	0	0	0	0	0
29	0	0	0	0	0	0
30	0	0	0	0	0	0
31	0	0	0	0	0	0
32	0	0	0	0	0	0
33	0	0	0	0	0	0
34	0	0	0	0	0	0
35	0	0	0	0	0	0
36	0	0	0	0	0	0
37	0	0	0	0	0	0
38	0	0	0	0	0	0
39	0	0	0	0	0	0
40	0	0	0	0	0	0
41	0	0	0	0	0	0
42	0	0	0	0	0	0
43	0	0	0	0	0	0
44	0	0	0	0	0	0
45	0	0	0	0	0	0
46	0	0	0	0	0	0
47	0	0	0	0	0	0

N S R D C GPSS V/6000 CRH GPSS V/6000 VER. 1.2 PSR 412 04/25/79 14.42.01.
 HALFORD MATRIX HHH
 ROW/COLUMN 1 2 3 4 5 6
 48 0 0 0 0 0
 49 0 0 0 0 0
 50 0 0 0 0 0

ROW/COLUMN	AAFSS POL DELIVERY			NON-WHEELED
	DRUMS	CONTAINERS	WERED	
1	24	0	0	0
2	48	0	0	0
3	72	0	0	0
4	96	0	0	0
5	120	0	0	0
6	144	0	0	0
7	168	0	0	0
8	192	0	0	0
9	216	0	0	0
10	240	0	0	0
11	264	0	0	0
12	288	0	0	0
13	312	0	0	0
14	336	0	0	0
15	360	0	0	0
16	384	0	0	0
17	408	0	0	0
18	432	0	0	0
19	456	0	0	0
20	0	0	0	0
21	0	0	0	0
22	0	0	0	0
23	0	0	0	0
24	0	0	0	0
25	0	0	0	0
26	0	0	0	0
27	0	0	0	0
28	0	0	0	0
29	0	0	0	0
30	0	0	0	0
31	0	0	0	0
32	0	0	0	0
33	0	0	0	0
34	0	0	0	0
35	0	0	0	0
36	0	0	0	0
37	0	0	0	0
38	0	0	0	0
39	0	0	0	0
40	0	0	0	0
41	0	0	0	0
42	0	0	0	0
43	0	0	0	0
44	0	0	0	0
45	0	0	0	0
46	0	0	0	0
47	0	0	0	0
48	0	0	0	0
49	0	0	0	0

M S R D C GPSS V/6000

ASP AMHC DELIVERY

CRM GPSS V/6000

VER. 1-2 PSR 412

04/25/79

14.42.01.

TIME (HOURS)

PALLETS

CONTAINERS

MERED

NON-WHEELED

HALFWORD MATRIX LLL

ROW/COLUMN	1	2	3
1	24	0	0
2	48	0	0
3	72	0	0
4	96	0	0
5	120	0	0
6	144	0	0
7	168	0	0
8	192	0	0
9	216	0	0
10	240	0	0
11	264	0	0
12	288	0	0
13	312	0	0
14	336	0	0
15	360	0	0
16	384	0	0
17	408	0	0
18	432	0	0
19	456	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0
33	0	0	0
34	0	0	0
35	0	0	0
36	0	0	0
37	0	0	0
38	0	0	0
39	0	0	0
40	0	0	0
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	0	0	0
46	0	0	0
47	0	0	0
48	0	0	0
49	0	0	0

CRM GPSS V/6000 VER. 1.2 PSR 412 04/25/79 14-42-01.

N S R O C GPSS V/6000
HALFWORD MATRIX LLL

ROW/COLUMN	1	2	3
59	0	0	0

	COMPLETION TIME (DAYS)	CONSTRUCTION TIME (DAYS)
MSA ROADS	1.73	1.31
MSA DUMP 1	1.03	0.61
MSA DUMP 2	0.53	0.11
MSA DUMP 3	0.54	0.12
MSA DUMP 4	0.50	0.68
MSA TOTAL		2.24
MSR TEMPORARY ROUTE 1	1.16	0.57
MSR TEMPORARY ROUTE 2	0.96	0.38
MSR TEMPORARY ROUTE 3	1.05	0.47
MSR TEMPORARY ROUTE 4	1.16	0.58
MSP PERMANENT ROUTE 1	0.00	0.57
MSP PERMANENT ROUTE 2	0.00	0.38
MSP PERMANENT ROUTE 3	4.39	2.79
MSP PERMANENT ROUTE 4	0.00	0.58
PERMANENT MSR TOTAL		4.32
LSA STORAGE AREA 1	3.62	2.20
LSA STORAGE AREA 2	4.18	2.76
LSA STORAGE AREA 3	0.00	0.00
LSA UNSTUFFING AREA	2.96	1.54
LSA TRUCK LOADING AREA	2.44	1.03
LSA PALLET STAGING AREA	1.92	0.51
LSA ADMINISTRATIVE AREA	3.30	1.69
LSA TOTAL		9.94
ASP ROAD A1	0.00	0.00
ASP ROAD A2	0.00	0.00
ASP ROAD A3	0.00	0.00
ASP ROAD A4	0.00	0.00
ASP REVETMENT A1	2.89	1.47
ASP REVETMENT A2	2.92	1.38
ASP REVETMENT A3	3.00	1.43
ASP REVETMENT A4	3.05	1.47
ASP PERIMETER	1.01	0.23
ASP TOTAL		5.98
AFS1	2.85	1.44
AFS2	2.85	1.44
AFS3	2.97	1.56
AFS4	2.97	1.56
AFS TOTAL		5.99
ALSA TOTAL		26.46

EQUIPMENT DEFINITIONS (STORAGES) ARE AS FOLLOWS

SCPR = SCRAPERS
 SLOP = SCOOP LOADERS
 NTRK = RUMP TRUCKS
 RLLR = ROLLERS
 GWRD = GRADERS
 SFDP = SURFACERS
 RAKM = RACKHOES
 CRNE = CRANES AT AFS
 RULL = PULLPOZERS
 TNGE = TOWING EQUIPMENT
 FKLA = REACH FORKLIFT FOR GENERAL CARGO
 FKLP = REACH FORKLIFT FOR POL
 FKLC = REACH FORKLIFT FOR AMMO
 FKLD = PSA FORKLIFT FOR GENERAL CARGO
 FKLE = PSA FORKLIFT FOR POL
 FKLF = PSA FORKLIFT FOR AMMO
 FTRK = FLAT BED TRUCKS
 FKLG = LSA FORKLIFT FOR GENERAL CARGO
 FKLH = LSA FORKLIFT FOR POL
 FKIJ = ASP 1 FORKLIFT FOR AMMO
 CNLA = BEACH CONTAINER LIFT
 CNLB = BSA CONTAINER LIFT
 UNSA = BSA UNSTUFFING EQUIPMENT
 CNLC = LSA CONTAINER LIFT
 UNSB = LSA UNSTUFFING EQUIPMENT
 CNLD = ASP CONTAINER LIFT
 UNSC = ASP UNSTUFFING EQUIPMENT
 CRNA = CRANES AT BEACH
 CRNB = CRANES AT BSA
 CRNC = CRANES AT LSA
 FKIK = ASP 2 FORKLIFT FOR AMMO
 FKIL = ASP 3 FORKLIFT FOR AMMO
 FKIM = ASP 4 FORKLIFT FOR AMMO
 TRKB = FLAT BED TRUCKS FOR BREAK BULK CARGO
 TRKC = FLAT BED TRUCKS FOR CONTAINERIZED CARGO

EQUIPMENT UTILIZATION

EQUIPMENT	NUMBER AVAILABLE	CAPACITY	TOTAL NUMBER OF TIMES USED	AVERAGE TIME USED	MAXIMUM NUMBER USED	MAXIMUM CONTENTS
SCPR	13		79	338.342	13	
SLOP	4		14	147.714	4	
NTRK	100		20	245.650	13	
RLLR	4		19	257.368	4	
GWRD	11		46	258.761	10	
SFDP	5		9	757.089	4	
RULL	50		111	343.459	50	
FAKA	12		50	66.097	12	
FKLA	2		308	86.636	2	
FKLC	2		274	93.866	2	
FKLD	12		58	120.000	12	
FKLE	2		308	100.000	2	
FKLF	2		274	100.000	2	
CNLA	2		720	60.000	2	
CNLA	2		716	60.000	2	
TRKB	20		320	890.625	20	
TRKB	20		720	119.833	4	

QUEUES OF EQUIPMENT REQUESTS

QUEUE NAME	EQUIPMENT REQUESTED	QUEUE NAME	EQUIPMENT REQUESTED
BSBUL	BULLDOZER AT BSA	TMGE	TONING EQUIPMENT
ASSCP	SCRAPER AT BSA	LA	BEACH FORKLIFT FOR GENERAL CARGO
ASSLD	SCOOP LOADER AT BSA	FKL9	BEACH FORKLIFT FOR POL
ASDTR	PUMP TRUCK AT BSA	FKLC	BEACH FORKLIFT FOR AMMO
ASPLL	ROLLER AT BSA	FKLD	BSA FORKLIFT FOR GENERAL CARGO
ASGRD	GRADEP AT BSA	FKLE	BSA FORKLIFT FOR POL
BSBUL	BULLDOZER AT MSR	FKLF	BSA FORKLIFT FOR AMMO
MSRLL	ROLLER AT MSR	F8TRK	FLAT BED TRUCK FOR OUTSIZED CARGO
MSGRD	GRADER AT MSR	FKLG	LSA FORKLIFT FOR GENERAL CARGO
MSSCP	SCRAPER AT MSP	FKLH	LSA FORKLIFT FOR POL
MSSFC	SURFACER AT MSR	FKLJ	ASP 1 FORKLIFT FOR AMMO
LSPUL	PULLDOZER AT LSA	CMLA	BEACH CONTAINER LIFT
LSSCP	SCRAPER AT LSA	CMLB	BEACH CONTAINER LIFT
LSDTR	PUMP TRUCK AT LSA	UNSA	BSA UNSTUFFING EQUIPMENT
LSPLL	ROLLER AT LSA	CMLC	LSA CONTAINER LIFT
LSGRD	GRADER AT LSA	UNSB	LSA UNSTUFFING EQUIPMENT
LSSFC	SURFACER AT LSA	CMLD	ASP CONTAINER LIFT
ASRUL	BULLDOZER AT ASP	UNSC	ASP UNSTUFFING EQUIPMENT
ASSCP	SCRAPER AT ASP	CRMA	CRANE AT BEACH
ASSLD	SCOOP LOADER AT ASP	CRMB	CRANE AT BSA
ASGRD	GRADER AT ASP	CRMC	CRANE AT LSA
ASPLL	ROLLER AT ASP	FKLK	ASP 2 FORKLIFT FOR AMMO
ASPLL	BULLDOZER AT AAFS	FKLL	ASP 3 FORKLIFT FOR AMMO
AAGR0	GRADER AT AAFS	FKLM	ASP 4 FORKLIFT FOR AMMO
AASCP	SCRAPER AT AAFS	TRK9	FLAT BED TRUCK FOR BREAK BULK CARGO
AASLD	SCOOP LOADER AT AAFS	TRKC	FLAT BED TRUCK FOR CONTAINERIZED CARGO
CPANE	CRANE AT AAFS		

EQUIPMENT REQUESTED	MAXIMUM NO. OF REQUESTS IN QUEUE	TOTAL NO. OF REQUESTS	NO. OF REQUESTS WITH NO WAITING	AVERAGE WAIT IN QUEUE (MINUTES)
BSBUL	1	5	5	0.000
ASSCP	1	2	2	0.000
ASSLD	1	1	1	0.000
ASDTR	1	2	2	0.000
ASPLL	1	2	2	0.000
ASGRD	1	1	1	0.000
MSRUL	1	4	4	0.000
MSSCP	4	4	0	1109.000
FKLA	1	29	29	0.000
FKLB	1	154	1	49.935
FKLC	1	137	1	49.890
FKLD	9	29	6	116.957
FKLE	18	154	1	887.451
FKLF	10	137	1	637.668
CMLA	3	722	2	87.260
CMLB	1	718	718	0.000

MSRQC	GPSS V/6000	MAXIMUM	TOTAL	ZERO	AVERAGE
QURUF	CONTENTS	ENTRIES	ENTRIES	ENTRIES	TIME/TRAN
TRM3	3	320	72	45.589	
TRM2	1	720	720	0.000	
MSRLL	3	4	1	35673.503	
MSCPN	1	1	1	0.000	
LSRUL	1	7	7	0.000	
LSSCP	1	5	3	90.000	
LSDFR	1	6	6	0.000	
LSWLL	2	6	4	25603.000	
LSCPN	1	6	6	0.000	
LSSFC	1	3	2	685.000	
ASRUL	6	9	3	213.000	
ASSCP	8	8	0	390.750	
ASSLN	2	4	2	195.500	
ASCPN	1	4	3	58.000	
ASWLL	4	4	0	34700.000	
ABPHL	1	4	4	0.000	
AAGPN	2	8	6	185.000	
AASCP	1	4	4	0.000	
APSLN	2	4	0	72.500	

 *
 * INPUT SECTION *
 *

SUPPLY MATRIX

MAF CARGO REQUIREMENTS

THERE ARE TWELVE DIFFERENT TYPES OF CARGO

- 1 = BREAK BULK, GENERAL CARGO
- 2 = BREAK BULK, POL
- 3 = BREAK BULK, AMMO
- 4 = CONTAINERIZED GENERAL CARGO, TO BE UNSTUFFED
- 5 = CONTAINERIZED AMMO, TO BE UNSTUFFED
- 6 = CONTAINERIZED DRUM POL, TO BE UNSTUFFED
- 7 = CONTAINERIZED GENERAL CARGO, NOT TO BE UNSTUFFED
- 8 = CONTAINERIZED AMMO, NOT TO BE UNSTUFFED
- 9 = CONTAINERIZED DRUM POL, NOT TO BE UNSTUFFED
- 10 = SQUARE, SELF POWERED VEHICLES, ON WHEELS
- 11 = SQUARE, NON-POWERED VEHICLES, ON WHEELS
- 13 = OUTSIZED CARGO

ASSAULT ECHELON INITIAL SUPPLY

CARGO TYPE	TIME DELIVERY STARTS (DAYS)	NUMBER OF LIGHTER DELIVERIES	DELIVERY INTERVAL (MINUTES)	NUMBER OF UNITS PER LIGHTER
1	1.0	29	10	60
2	1.0	154	10	50
3	1.0	137	15	50
4	0.0	0	0	0
5	0.0	0	0	0
6	0.0	0	0	0
7	0.0	0	0	0
8	0.0	0	0	0
9	0.0	0	0	0

ASSAULT FOLLOW-ON ECHELON INITIAL SUPPLY

CARGO TYPE	TIME DELIVERY STARTS (DAYS)	NUMBER OF LIGHTER DELIVERIES	DELIVERY INTERVAL (MINUTES)	NUMBER OF UNITS PER LIGHTER
1	0.0	0	0	0
2	0.0	0	0	0
3	0.0	0	0	0
4	0.0	0	0	0
5	0.0	0	0	0
6	0.0	0	0	0
7	5.0	256	30	12
8	5.0	176	30	10
9	5.0	236	30	10

FORCE RESUPPLY FOR MISSION DURATION

CARGO TYPE	TIME DELIVERY STARTS (DAYS)	NUMBER OF LIGHTER DELIVERIES	DELIVERY INTERVAL (MINUTES)	NUMBER OF UNITS PER LIGHTER
1	0.0	0	0	0
2	0.0	0	0	0
3	0.0	0	0	0
4	0.0	0	0	0
5	0.0	0	0	0
6	0.0	0	0	0
7	15.0	250	120	12
8	15.0	203	160	10
9	15.0	327	100	10
10	15.0	45	440	0
11	0.0	0	0	0
12	0.0	0	0	0
13	0.0	0	0	0

DESCRIPTION OF CONSTRUCTION OPERATIONS

THE TABLE BELOW LISTS THE CONSTRUCTION OPERATIONS THAT ARE SIMULATED. THE DATA DESCRIBING THESE OPERATIONS IS LISTED IN MATRIX AAA WHICH FOLLOWS THIS TABLE.

P DENOTES THE PRIORITY OF THE OPERATION
R DENOTES THE ROW NUMBER OF MATRIX AAA

P=1, R=2	CLEAR PSA ROADS	BULLDOZER	
P=2, R=3	CLEAR DUMP 1 (PSA)	BULLDOZER	
P=3, R=4	CLEAR DUMP 2 (PSA)	BULLDOZER	
P=4, R=5	CLEAR DUMP 3 (PSA)	BULLDOZER	
P=5, R=6	CLEAR DUMP 4 (PSA)	BULLDOZER	
P=2, R=7	DEPOSIT MATERIAL FOR BERMS AT DUMP 1 (BSA)	BULLDOZER	
P=2, R=8	FILL FATH AND SHAPE BERMS FOR DUMP 1 (BSA)	BULLDOZER	
P=1, R=9	STRIP PSA ROADS	SCRAPER	SCRAPER LOADER
P=1, R=10	FILL (SURFACE) PSA ROADS	DUMP TRUCK	
P=1, R=11	COMPACT (SURFACE) PSA ROADS	ROLLER	
P=1, R=12	GRADE BSA ROADS	GRADER	
P=1, R=13	FILL (SURFACE) BSA ROADS	DUMP TRUCK	
P=1, R=14	COMPACT (SURFACE) BSA ROADS	ROLLER	
P=6, R=15	CLEAR TEMPORARY MSR 1	BULLDOZER	
P=7, R=17	CLEAR TEMPORARY MSR 2	BULLDOZER	
P=8, R=18	CLEAR TEMPORARY MSR 3	BULLDOZER	
P=9, R=19	CLEAR TEMPORARY MSR 4	BULLDOZER	
P=11, R=20	STRIP PERMANENT MSR 1	SCRAPER	
P=11, R=20	STRIP PERMANENT MSR 2	SCRAPER	
P=12, R=20	STRIP PERMANENT MSR 3	SCRAPER	
P=13, R=20	STRIP PERMANENT MSR 4	SCRAPER	
P=30, R=32	COMPACT PERMANENT MSR 1	ROLLER	
P=31, R=33	COMPACT PERMANENT MSR 2	ROLLER	
P=32, R=34	COMPACT PERMANENT MSR 3	ROLLER	
P=33, R=35	COMPACT PERMANENT MSR 4	ROLLER	
P=30, R=36	GRADE PERMANENT MSR 1	GRADER	
P=31, R=37	GRADE PERMANENT MSR 2	GRADER	
P=32, R=38	GRADE PERMANENT MSR 3	GRADER	
P=33, R=39	GRADE PERMANENT MSR 4	GRADER	
P=30, R=40	SURFACE PERMANENT MSR 1	SURFACER	
P=31, R=41	SURFACE PERMANENT MSR 2	SURFACER	
P=14, R=42	CLEAR STORAGE AREA 1 (LSA)	BULLDOZER	
P=15, R=43	CLEAR STORAGE AREA 2 (LSA)	BULLDOZER	
P=16, R=44	CLEAR STORAGE AREA 3 (LSA)	BULLDOZER	
P=17, R=45	CLEAR UNSTUFFING AREA (LSA)	BULLDOZER	
P=18, R=46	CLEAR TRUCK LOADING AREA (LSA)	BULLDOZER	
P=19, R=47	CLEAR PALLET STAGING AREA (LSA)	BULLDOZER	
P=21, R=48	CLEAR ADMINISTRATIVE AREA (LSA)	BULLDOZER	
P=14, R=49	STRIP STORAGE AREA 1 (LSA)	SCRAPER	
P=15, R=50	STRIP STORAGE AREA 2 (LSA)	SCRAPER	
P=16, R=51	STRIP STORAGE AREA 3 (LSA)	SCRAPER	
P=17, R=52	STRIP UNSTUFFING AREA (LSA)	SCRAPER	
P=20, R=53	STRIP ADMINISTRATIVE AREA (LSA)	SCRAPER	
P=14, R=54	FILL STORAGE AREA 1 (LSA)	DUMP TRUCK	
P=14, R=55	FILL STORAGE AREA 2 (LSA)	DUMP TRUCK	

P=16, R=54	FILL STORAGE AREA 3 (LSA)	DUMP TRUCK	SCRAPER
P=17, R=57	FILL UNSTUFFING AREA (LSA)	DUMP TRUCK	SCRAPER
P=18, R=58	FILL TRUCK LOADING AREA (LSA)	DUMP TRUCK	SCRAPER
P=20, R=59	FILL ADMINISTRATIVE AREA (LSA)	DUMP TRUCK	SCRAPER
P=14, R=60	COMPACT STORAGE AREA 1 (LSA)	ROLLER	SCRAPER
P=15, R=61	COMPACT STORAGE AREA 2 (LSA)	ROLLER	SCOOP LOADER
P=16, R=62	COMPACT STORAGE AREA 3 (LSA)	ROLLER	SCOOP LOADER
P=17, R=63	COMPACT UNSTUFFING AREA (LSA)	ROLLER	SCOOP LOADER
P=18, R=64	COMPACT TRUCK LOADING AREA (LSA)	ROLLER	
P=20, R=65	COMPACT ADMINISTRATIVE AREA (LSA)	ROLLER	
P=14, R=66	GRADE STORAGE AREA 1 (LSA)	GRADER	
P=15, R=67	GRADE STORAGE AREA 2 (LSA)	GRADER	
P=16, R=68	GRADE STORAGE AREA 3 (LSA)	GRADER	
P=17, R=69	GRADE UNSTUFFING AREA (LSA)	GRADER	
P=18, R=70	GRADE TRUCK LOADING AREA (LSA)	GRADER	
P=19, R=71	GRADE PALLET STAGING AREA (LSA)	GRADER	
P=20, R=72	GRADE ADMINISTRATIVE AREA (LSA)	GRADER	
P=14, R=73	SURFACE STORAGE AREA 1 (LSA)	SURFACER	
P=15, R=74	SURFACE STORAGE AREA 2 (LSA)	SURFACER	
P=16, R=75	SURFACE STORAGE AREA 3 (LSA)	SURFACER	
P=17, R=76	SURFACE UNSTUFFING AREA (LSA)	SURFACER	
P=21, R=77	CLEAR ROAD A1 (ASP)	BULLDOZER	
P=22, R=78	CLEAR ROAD A2 (ASP)	BULLDOZER	
P=23, R=79	CLEAR ROAD A3 (ASP)	BULLDOZER	
P=24, R=80	CLEAR ROAD A4 (ASP)	BULLDOZER	
P=25, R=81	CLEAR REVETMENT A1 (ASP)	BULLDOZER	
P=26, R=82	CLEAR REVETMENT A2 (ASP)	BULLDOZER	
P=27, R=83	CLEAR REVETMENT A3 (ASP)	BULLDOZER	
P=28, R=84	CLEAR REVETMENT A4 (ASP)	BULLDOZER	
P=29, R=85	CLEAR PERIMETER (ASP)	BULLDOZER	
P=25, R=86	DEPOSIT MATERIAL FOR BERMS ON REVETMENT A1 (ASP)	GRADER	
P=26, R=87	DEPOSIT MATERIAL FOR BERMS ON REVETMENT A2 (ASP)	GRADER	
P=27, R=88	DEPOSIT MATERIAL FOR BERMS ON REVETMENT A3 (ASP)	GRADER	
P=29, R=89	DEPOSIT MATERIAL FOR BERMS ON REVETMENT A4 (ASP)	GRADER	
P=25, R=90	PILE EARTH AT BERMS FOR REVETMENT A1 (ASP)	SCOOP LOADER	
P=26, R=91	PILE EARTH AT BERMS FOR REVETMENT A2 (ASP)	SCOOP LOADER	
P=27, R=92	PILE EARTH AT BERMS FOR REVETMENT A3 (ASP)	SCOOP LOADER	
P=28, R=93	PILE EARTH AT BERMS FOR REVETMENT A4 (ASP)	SCOOP LOADER	
P=25, R=94	SHAPE BERMS FOR REVETMENT A1 (ASP)	GRADER	
P=26, R=95	SHAPE BERMS FOR REVETMENT A2 (ASP)	GRADER	
P=27, R=96	SHAPE BERMS FOR REVETMENT A3 (ASP)	GRADER	
P=28, R=97	SHAPE BERMS FOR REVETMENT A4 (ASP)	GRADER	
P=21, R=98	COMPACT ROAD A1 (ASP)	ROLLER	
P=22, R=99	COMPACT ROAD A2 (ASP)	ROLLER	
P=23, R=100	COMPACT ROAD A3 (ASP)	ROLLER	
P=24, R=101	COMPACT ROAD A4 (ASP)	ROLLER	
P=21, R=102	GRADE ROAD A1 (ASP)	GRADER	
P=22, R=103	GRADE ROAD A2 (ASP)	GRADER	
P=23, R=104	GRADE ROAD A3 (ASP)	GRADER	
P=24, R=105	GRADE ROAD A4 (ASP)	GRADER	
P=21, R=106	STRIP ROAD A1 (ASP)	SCRAPER	
P=22, R=107	STRIP ROAD A2 (ASP)	SCRAPER	
P=23, R=108	STRIP ROAD A3 (ASP)	SCRAPER	
P=24, R=109	STRIP ROAD A4 (ASP)	SCRAPER	
P=10, R=110	CLEAR AAFS1	BULLDOZER	
P=11, R=111	CLEAR AAFS2	BULLDOZER	
P=12, R=112	CLEAR AAFS3	BULLDOZER	
P=13, R=113	CLEAR AAFS4	BULLDOZER	
P=10, R=114	GRADE AAFS1	GRADER	

P=11, R=115 GRADE AAFS2 GRADER
 P=12, R=116 GRADE AAFS3 GRADER
 P=13, R=117 GRADE AAFS4 GRADER
 P=10, R=118 DEPOSIT BERM MATERIAL FOR BERM 1 SCRAPER
 P=11, R=119 DEPOSIT BERM MATERIAL FOR BERM 2 SCRAPER
 P=12, R=120 DEPOSIT BERM MATERIAL FOR BERM 3 SCRAPER
 P=13, R=121 DEPOSIT BERM MATERIAL FOR BERM 4 SCRAPER
 P=18, R=122 PILE EARTH AT BERM 1 SCOOP LOADER
 P=11, R=123 PILE EARTH AT BERM 2 SCOOP LOADER
 P=12, R=124 PILE EARTH AT BERM 3 SCOOP LOADER
 P=13, R=125 PILE EARTH AT BERM 4 SCOOP LOADER
 P=18, R=126 SHAPE BERM 1 GRADER
 P=11, R=127 SHAPE BERM 2 GRADER
 P=12, R=128 SHAPE BERM 3 GRADER
 P=13, R=129 SHAPE BERM 4 GRADER

CONSTRUCTION INPUT MATRIX AAA

SQUARE FEET RATE (SQ FT/MIN) NUMBER OF EQUIPMENT PERFORMING OPERATION

NG OPERATION

FULLWORD MATRIX AAA

ROW/COLUMN	1	2	3
1	0	0	0
2	100000	300	0
3	137000	300	3
4	98000	300	2
5	154000	300	3
6	34000	300	1
7	137000	260	2
8	137000	300	2
9	100000	350	2
10	100000	200	2
11	100000	400	2
12	100000	300	2
13	100000	200	2
14	100000	400	2
15	0	0	0
16	1900000	300	0
17	650000	300	4
18	1210000	300	6
19	1000000	300	4
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	1900000	350	0
29	650000	350	6

PCN/COLUMN	1	2	3
70	1210000	350	3
31	1000000	350	4
32	1900000	400	6
33	6500000	400	8
34	1210000	400	6
35	1000000	400	4
36	1900000	300	6
37	6500000	300	8
38	1210000	300	6
39	1000000	300	4
40	1900000	300	6
41	6500000	100	8
42	1937000	200	6
43	1937000	200	4
44	2366000	200	4
45	2190000	200	5
46	6680000	200	1
47	3730000	200	1
48	7680000	200	1
49	1937000	150	4
50	1937000	150	4
51	2366000	150	5
52	2190000	150	1
53	7680000	150	1
54	1937000	200	4
55	1937000	200	4
56	2366000	200	5
57	2190000	200	1
58	6680000	200	1
59	7680000	200	1
60	1937000	400	4
61	1937000	400	4
62	2366000	400	5
63	2190000	400	1
64	6680000	400	1
65	7680000	400	1
66	1937000	200	4
67	1937000	200	4
68	2366000	200	5
69	2190000	200	1
70	6680000	200	1
71	3730000	200	1
72	7680000	200	1
73	1937000	60	4
74	1937000	60	4
75	2366000	60	5
76	2190000	60	1
77	5175000	300	6
78	5175000	300	6
79	5175000	300	6
80	5175000	300	6
81	3700000	300	4
82	3700000	300	4
83	3700000	300	4
84	3700000	300	4

ROW/COLUMN

	1	2	3
85	480000	300	3
86	133000	350	4
87	103000	350	2
88	103000	350	2
89	103000	350	2
90	103000	300	2
91	103000	300	2
92	103000	300	2
93	103000	300	2
94	103000	300	2
95	103000	300	2
96	103000	300	2
97	103000	300	2
98	517500	400	6
99	517500	400	6
100	517500	400	6
101	517500	600	6
102	517500	300	6
103	517500	300	6
104	517500	300	6
105	517500	300	6
106	517500	350	6
107	517500	350	6
108	517500	350	6
109	517500	350	6
110	226000	300	4
111	226000	300	4
112	226000	300	4
113	226000	300	4
114	226000	300	4
115	226000	300	4
116	226000	300	4
117	226000	300	4
118	14300	350	1
119	16300	350	1
120	18300	350	1
121	18300	350	1
122	18300	300	1
123	18300	300	1
124	18300	300	1
125	18300	300	1
126	18300	300	1
127	18300	300	1
128	18300	300	1
129	18300	300	1
130	0	0	0

C A R G O H A N D L I N G A N D T R A N S P O R T A T I O N D E S C R I P T I O N

T H E T A B L E B E L O W L I S T S T H E C A R G O H A N D L I N G A N D T R A N S P O R T A T I O N O P E R A T I O N S T H A T A R E S I M U L A T E D A N D T H E C O R R E S P O N D I N G E L E M E N T S I N M A T R I X C C C W H E R E T H E D A T A D E S C R I B I N G T H E S E O P E R A T I O N S I S L O C A T E D

CCC(7,I), I=1-3	TYPE OF BEACH FORKLIFT USED TO LOAD CARGO TYPE I ONTO TRUCK (PAGE 2, NODES 46, 47)
CCC(8,I), I=1-3	NUMBER OF BEACH FORKLIFTS OF TYPE CCC(7,I) USED TO LOAD ONE TRUCK WITH CARGO TYPE I
CCC(9,I), I=1-3	NUMBER OF UNITS/HOUR OF CARGO TYPE I THAT FORKLIFT TYPE CCC(7,I) CAN TRANSFER FROM LIGHTER TO TRUCK
CCC(10,I), I=1-3	NUMBER OF UNITS OF CARGO TYPE I THAT ONE TRUCK CAN CARRY (PAGE 2, NODE 45)
CCC(11,I), I=1-3	SPEED (IN FEET/MINUTE) OF TRUCK CARRYING CARGO TYPE I FROM BEACH TO BSA (PAGE 2, NODES 50-51)
CCC(12,I), I=1-3	TYPE OF FORKLIFT USED AT BSA TO UNLOAD CARGO TYPE I FROM TRUCK (PAGE 2, NODES 52,53)
CCC(13,I), I=1-3	NUMBER OF PSA FORKLIFTS OF TYPE CCC(12,I) USED TO UNLOAD CARGO TYPE I FROM ONE TRUCK
CCC(14,I), I=1-3	NUMBER OF UNITS/HOUR OF CARGO TYPE I THAT FORKLIFT TYPE CCC(12,I) CAN UNLOAD FROM TRUCK
CCC(15,I), I=1-3	SPEED (IN FEET/MINUTE) OF TRUCK RETURNING TO BEACH FROM BSA AFTER DELIVERING CARGO TYPE I (PAGE 2, NODES 55-45)
CCC(16,I), I=1-3	NUMBER OF UNITS/HOUR OF CARGO TYPE I MOVED TO STORAGE BY FORKLIFT TYPE CCC(12,I) (PAGE 2, NODES 55-56)
CCC(17,I), I=1,2	SPEED (IN FEET/MINUTE) OF TRUCK CARRYING CARGO TYPE I FROM BEACH TO LSA (PAGE 2, NODES 50-57)
CCC(18,I), I=1,2	TYPE OF FORKLIFT USED AT LSA TO UNLOAD CARGO TYPE I FROM TRUCK (PAGE 2, NODES 58,59)
CCC(19,I), I=1,2	NUMBER OF LSA FORKLIFTS OF TYPE CCC(18,I) USED TO UNLOAD CARGO TYPE I FROM ONE TRUCK
CCC(20,I), I=1,2	NUMBER OF UNITS/HOUR OF CARGO TYPE I THAT FORKLIFT TYPE CCC(18,I) CAN UNLOAD FROM TRUCK
CCC(21,I), I=1,2	SPEED (IN FEET/MINUTE) OF TRUCK RETURNING TO BEACH FROM LSA AFTER DELIVERING CARGO TYPE I (PAGE 2, NODES 61-45)
CCC(22,I), I=1,2	NUMBER OF UNITS/HOUR OF CARGO TYPE I MOVED TO STORAGE BY FORKLIFT TYPE CCC(18,I) (PAGE 2, NODES 61-62)
CCC(43,I), I=1-4	SPEED OF TRUCK (IN FEET/MINUTE) CARRYING CARGO TYPE 3 BETWEEN SHORE AND ASP(I) (PAGE 2, NODES 50-50.1)
CCC(44,I), I=1-4	TYPE OF ASP FORKLIFT USED TO UNLOAD CARGO TYPE 3 AT ASP(I) (PAGE 2.1, NODES 62.2, 50.5, 51.3, 52.2)
CCC(45,I), I=1-4	NUMBER OF ASP FORKLIFTS OF TYPE CCC(44,I) USED TO UNLOAD CARGO TYPE 3 FROM ONE TRUCK
CCC(46,I), I=1-4	NUMBER OF PALLETS/HOUR OF CARGO TYPE 3 THAT FORKLIFT TYPE CCC(44,I) CAN UNLOAD FROM TRUCK
CCC(47,I), I=1-4	SPEED OF TRUCK (IN FEET/MINUTE) OF UNLOADED TRUCK RETURNING TO BEACH FROM ASP(I) (PAGE 2.1, NODES 62.4-45, 50.7-45, 51.5-45, 52.4-45)
CCC(48,I), I=1-4	NUMBER OF PALLETS/HOUR OF CARGO TYPE 3 THAT FORKLIFT TYPE CCC(44,I) CAN MOVE TO STORAGE (PAGE 2.1, NODES 62.4-62.5, 50.7-50.9, 51.5-51.6, 52.4-52.5)
CCC(49,I), I=4-9	NUMBER OF CONTAINERS PER LIGHTER OF CARGO TYPE I
CCC(7,I), I=4-9	TYPE OF CONTAINER LIFT USED TO UNLOAD LIGHTER AND LOAD TRUCK WITH CARGO TYPE I (PAGE 3, NODE 63)
CCC(8,I), I=4-9	NUMBER OF CONTAINER LIFTS OF TYPE CCC(7,I) USED TO LOAD ONE TRUCK WITH CARGO TYPE I
CCC(9,I), I=4-9	NUMBER OF CONTAINERS/HOUR OF CARGO TYPE I THAT CONTAINER LIFT TYPE CCC(7,I) CAN TRANSFER FROM LIGHTER TO TRUCK
CCC(10,I), I=4-9	NUMBER OF CONTAINERS OF CARGO TYPE I THAT A TRUCK CAN CARRY (PAGE 3, NODES 42,45)
CCC(11,I), I=4-9	SPEED (IN FEET/MINUTE) OF A TRUCK CARRYING CARGO TYPE I FROM BEACH TO BSA (PAGE 3, NODES 66-67)
CCC(12,I), I=4-9	TYPE OF PSA CONTAINER LIFT USED TO UNLOAD CARGO TYPE I FROM TRUCK (PAGE 3, NODE 68)
CCC(13,I), I=4-9	NUMBER OF CONTAINER LIFTS OF TYPE CCC(12,I) USED TO UNLOAD ONE TRUCK WITH CARGO TYPE I
CCC(14,I), I=4-9	NUMBER OF CONTAINERS/HOUR THAT CONTAINER LIFT TYPE CCC(12,I) CAN UNLOAD FROM TRUCK
CCC(15,I), I=4-9	SPEED (IN FEET/MINUTE) OF A TRUCK RETURNING TO BEACH FROM BSA AFTER DELIVERING CARGO TYPE I (PAGE 3, NODES 70-45)
CCC(16,I), I=4-6	TYPE OF UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO TYPE I (PAGE 3, NODE 73)
CCC(17,I), I=4-6	NUMBER OF UNITS OF UNSTUFFING EQUIPMENT TYPE CCC(16,I) USED TO UNSTUFF ONE CONTAINER OF CARGO TYPE I
CCC(18,I), I=4-6	NUMBER OF CONTAINERS/HOUR OF CARGO TYPE I THAT UNSTUFFING EQUIPMENT TYPE CCC(16,I) CAN UNSTUFF
CCC(19,I), I=4-6	TYPE OF BSA FORKLIFT USED TO MOVE AND STORE UNSTUFFED CARGO TYPE I (PAGE 3, NODES 52,53)
CCC(20,I), I=4-6	NUMBER OF FORKLIFTS OF TYPE CCC(19,I) USED TO MOVE AND STORE UNSTUFFED CARGO TYPE I

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 CCC(21,1), I=4-6 NUMBER OF UNITS/HOUR OF UNSTUFFED CARGO TYPE I THAT FORKLIFT TYPE CCC(19,I) CAN MOVE AND STORE
 CCC(22,1), I=4-6 TYPE OF PSA CONTAINER LIFT USED TO MOVE EMPTY CONTAINERS OF CARGO TYPE I TO SHORE
 (PAGE 3, NODE 60)
 CCC(23,1), I=4-6 NUMBER OF CONTAINER LIFTS OF TYPE CCC(22,I) USED TO MOVE ONE TRUCKLOAD OF EMPTY CONTAINERS
 OF CARGO TYPE I TO SHORE
 CCC(24,1), I=4-6 NUMBER OF EMPTY CONTAINERS/HOUR OF CARGO TYPE I THAT CONTAINER LIFT TYPE CCC(22,I) CAN MOVE
 TO SHORE
 CCC(25,1), I=4-9 TYPE OF LSA/ASP CONTAINER LIFT USED TO UNLOAD CARGO TYPE I (PAGE 4, NODES 82,3, 96)
 CCC(26,1), I=4-9 NUMBER OF CONTAINER LIFTS OF TYPE CCC(25,I) USED TO UNLOAD ONE TRUCKLOAD OF CARGO TYPE I
 CCC(27,1), I=4-9 NUMBER OF CONTAINERS/HOUR OF CARGO TYPE I THAT CONTAINER LIFT TYPE CCC(25,I) CAN UNLOAD FROM TRUCK
 CCC(28,1), I=7-9 TIME (IN MINUTES) REQUIRED FOR CONTAINER LIFT TYPE CCC(25,I) TO STORE ONE CONTAINER OF CARGO TYPE I
 (PAGE 4, NODES 83-85, 99-104)
 CCC(29,1), I=7-9 SPEED (IN FEET/MINUTE) OF A TRUCK RETURNING TO BEACH FROM LSA/ASP AFTER DELIVERING CARGO TYPE I
 (PAGE 4, NODES 89-95, 113-45)
 CCC(30,1), I=4-6 TYPE OF LSA/ASP UNSTUFFING EQUIPMENT USED TO UNSTUFF CARGO TYPE I
 (PAGE 4, NODES 83,2, 101)
 CCC(31,1), I=4-6 NUMBER OF LSA/ASP UNSTUFFING EQUIPMENT OF TYPE CCC(30,I) USED TO UNSTUFF ONE TRUCKLOAD OF CARGO TYPE I
 CCC(32,1), I=4-6 NUMBER OF CONTAINERS/HOUR OF CARGO TYPE I THAT UNSTUFFING EQUIPMENT TYPE CCC(30,I) CAN UNSTUFF
 CCC(33,1), I=4-6 TYPE OF LSA/ASP FORKLIFT USED TO MOVE UNSTUFFED CARGO TYPE I TO DUMP AND STORE
 (PAGE 4, NODES 58, 59, 62,2)
 CCC(34,1), I=4-6 NUMBER OF FORKLIFTS OF TYPE CCC(33,I) USED TO MOVE THE CONTENTS OF ONE TRUCKLOAD OF CARGO TYPE I
 TO DUMP AND STORE
 CCC(35,1), I=4-6 NUMBER OF UNITS/HOUR OF UNSTUFFED CARGO TYPE I THAT FORKLIFT TYPE CCC(33,I) CAN MOVE TO DUMP AND STORE
 CCC(36,1), I=4-6 TYPE OF LSA/ASP CONTAINER LIFT USED TO LOAD EMPTY CONTAINER TYPE I ON TRUCK (PAGE 4, NODES 66, 96)
 CCC(37,1), I=4-6 NUMBER OF CONTAINER LIFTS OF TYPE CCC(36,I) USED TO LOAD EMPTY CONTAINERS TYPE I ON ONE TRUCK
 CCC(38,1), I=4-6 NUMBER OF EMPTY CONTAINERS/HOUR OF CARGO TYPE I CONTAINER LIFT TYPE CCC(36,I) CAN LOAD ON TRUCK
 CCC(39,1), I=4-6 SPEED (IN FEET/MINUTE) OF A TRUCK CARRYING EMPTY CONTAINERS TYPE I FROM LSA/ASP TO BSA
 (PAGE 4, NODES 90-98, 114-98)
 CCC(40,1), I=4-6 TYPE OF BSA CONTAINER LIFT USED TO UNLOAD EMPTY CONTAINER TYPE I FROM TRUCK (PAGE 4, NODE 68)
 CCC(41,1), I=4-6 NUMBER OF CONTAINER LIFTS OF TYPE CCC(40,I) USED TO UNLOAD EMPTY CONTAINER TYPE I FROM ONE TRUCK
 CCC(42,1), I=4-6 NUMBER OF EMPTY CONTAINERS/HOUR OF CARGO TYPE I THAT CONTAINER LIFT TYPE CCC(40,I) CAN UNLOAD FROM TRUCK
 CCC(43,10) UNLOADING RATE FROM LIGHTER (UNITS/HOUR) FOR CARGO TYPE 10 (PAGE 6, NODES 132-133)
 CCC(13,12) DISTANCE (IN FEET) FROM LSA TO BSA
 CCC(13,12) DISTANCE (IN FEET) FROM ASP TO BSA
 CCC(14,11) DISTANCE (IN FEET) FROM BEACH TO LSA
 CCC(14,12) DISTANCE (IN FEET) FROM BEACH TO BSA
 CCC(14,13) DISTANCE (IN FEET) FROM BEACH TO ASP
 CCC(15,10) SPEED (FEET/MINUTE) OF TYPE 10 CARGO
 CCC(16,11) TYPE OF TONING EQUIPMENT USED TO TON TYPE 11 CARGO (PAGE 6, NODE 14)
 CCC(17,11) UNLOADING RATE (UNITS/HOUR) FOR TONING EQUIPMENT TYPE CCC(16,11) WHEN UNLOADING TYPE 11 CARGO
 CCC(18,11) SPEED (FEET/MINUTE) OF TONING EQUIPMENT TYPE CCC(16,11) WHEN TONING CARGO TYPE 11
 CCC(19,11) SPEED (FEET/MINUTE) OF TONING EQUIPMENT TYPE CCC(16,11) WHEN MOVING WITHOUT CARGO IN TON
 CCC(20,13) TYPE OF CRANE USED TO UNLOAD CARGO TYPE 13 FROM LIGHTER (PAGE 6, NODE 145)
 CCC(21,13) NUMBER OF CRANES TYPE CCC(20,13) USED TO UNLOAD TYPE 13 CARGO FROM LIGHTER
 CCC(22,13) NUMBER OF UNITS/HOUR OF TYPE 13 CARGO THAT CRANE TYPE CCC(20,13) CAN UNLOAD FROM LIGHTER
 CCC(23,13) NUMBER OF UNITS OF TYPE 13 CARGO THAT A FLAT BED TRUCK CAN CARRY
 CCC(24,13) SPEED (FEET/MINUTE) OF TRUCK WHEN LOADED WITH TYPE 13 CARGO
 CCC(25,13) TYPE OF LSA CRANE USED TO UNLOAD TYPE 13 CARGO FROM TRUCK
 CCC(26,13) NUMBER OF CRANES OF TYPE CCC(25,13) USED TO UNLOAD TYPE 13 CARGO FROM ONE TRUCK
 CCC(27,13) NUMBER OF UNITS/HOUR OF TYPE 13 CARGO THAT CRANE TYPE CCC(25,13) CAN UNLOAD FROM TRUCK
 CCC(28,13) SPEED OF UNLOADED TRUCK AFTER UNLOADING TYPE 13 CARGO
 CCC(29,13) TYPE OF BSA CRANE USED TO UNLOAD CARGO TYPE 13 FROM TRUCK (PAGE 6, NODE 150)
 CCC(30,13) NUMBER OF CRANES OF TYPE CCC(29,13) USED TO UNLOAD TYPE 13 CARGO FROM ONE TRUCK
 CCC(31,13) NUMBER OF UNITS/HOUR OF TYPE 13 CARGO THAT CRANE TYPE CCC(29,13) CAN UNLOAD FROM TRUCK
 CCC(32,11) DELAY TIME (IN MINUTES) FOR CONSTRUCTION EQUIPMENT IN BSA
 CCC(32,12) DELAY TIME (IN MINUTES) FOR CONSTRUCTION EQUIPMENT IN AREAS OTHER THAN BSA
 CCC(20,7) DELAY TIME (IN MINUTES) BEFORE STARTING PERMANENT MSR CONSTRUCTION
 CCC(20,8) DELAY TIME (IN MINUTES) BEFORE STARTING LSA CONSTRUCTION

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PPA(20,9) DELAY TIME (IN MINUTES) BEFORE STARTING ASP CONSTRUCTION
 CCF(20,12) DELAY TIME (IN MINUTES) BEFORE STARTING AFS CONSTRUCTION
 CCP(49,1) T=446.749 SPCF (IN FEET/MINUTE) OF A TRUCK CARRYING CARGO TYPE I FROM BEACH TO LSA
 (PAGE 3, NODES 66-82)
 CCC(49,1), I=5,A SPCF (IN FEET/MINUTE) OF A TRUCK CARRYING CARGO TYPE I FROM BEACH TO ASP
 (PAGE 3, NODES 66-82)
 FFF(3,3), Y=1-4 DISTANCE (IN FEET) FROM SHORE TO ASP X

CARGO HANDLING AND TRANSPORTATION INPUT MATRIX CCC

T MATRIX CCC

HALFMOON MEMORY	2	1	2	3	4	5	6	7	8	9	10
1	30	60	30	60	60	60	60	60	60	60	60
2	20	10	20	10	10	10	10	10	10	10	10
3	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	60	60	60	60	2	2	2	2	2	2	2
7	11	12	13	21	21	21	21	21	21	21	21
8	2	2	1	1	1	1	1	1	1	1	1
9	30	30	10	10	10	10	10	10	10	10	10
10	60	50	10	10	10	10	10	10	10	10	10
11	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320
12	14	15	16	22	22	22	22	22	22	22	22
13	2	2	1	1	1	1	1	1	1	1	1
14	30	30	30	30	10	10	10	10	10	10	10
15	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320
16	30	30	30	30	23	23	23	23	23	23	23
17	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320
18	10	10	10	10	2	2	2	2	2	2	2
19	2	2	14	14	15	15	15	15	15	15	15
20	30	30	0	0	1	1	1	1	1	1	1
21	1320	1320	0	0	720	720	720	720	720	720	720
22	30	30	22	22	22	22	22	22	22	22	22
23	0	0	1	1	1	1	1	1	1	1	1
24	0	0	10	10	10	10	10	10	10	10	10
25	240	240	24	24	24	24	24	24	24	24	24
26	0	0	1	1	1	1	1	1	1	1	1
27	0	0	10	10	10	10	10	10	10	10	10
28	0	0	12	12	12	12	12	12	12	12	12
29	0	0	0	0	0	0	0	0	0	0	0
30	0	0	25	25	25	25	25	25	25	25	25
31	0	0	1	1	1	1	1	1	1	1	1
32	0	0	2	2	2	2	2	2	2	2	2
33	0	0	18	18	19	19	19	19	19	19	19
34	0	0	1	1	1	1	1	1	1	1	1
35	0	0	12	12	12	12	12	12	12	12	12
36	0	0	24	24	24	24	24	24	24	24	24
37	0	0	1	1	1	1	1	1	1	1	1
38	0	0	10	10	10	10	10	10	10	10	10
39	0	0	1320	1320	1320	1320	1320	1320	1320	1320	1320
40	0	0	22	22	22	22	22	22	22	22	22
41	0	0	1	1	1	1	1	1	1	1	1

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
42	0	0	0	10	10	0	0	0	0	0
43	1320	1320	1320	1320	0	0	0	0	0	0
44	20	31	32	33	0	0	0	0	0	0
45	1	1	1	1	0	0	0	0	0	0
46	30	30	30	30	0	0	0	0	0	0
47	1320	1320	1320	1320	0	0	0	0	0	0
48	12	12	12	12	0	0	0	0	0	0
49	0	0	0	1320	1320	1320	1320	1320	1320	0
50	0	0	0	0	0	0	0	0	0	0

ROW/COLUMN	11	12	13
1	60	60	60
2	10	10	10
3	0	0	0
4	0	0	0
5	0	0	0
6	4	4	4
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	10000	10000	27254
15	500	500	27754
16	0	0	0
17	0	0	0
18	400	0	0
19	600	0	0
20	0	20	20
21	0	1	1
22	0	2	2
23	0	1	1
24	0	400	400
25	0	30	30
26	0	1	1
27	0	2	2
28	0	2100	2100
29	0	29	29
30	0	1	1
31	0	2	2
32	120	360	0
33	0	0	0
34	0	0	0
35	0	0	0
36	0	0	0
37	0	0	0
38	0	0	0

CRM GPSS V/6000 VER. 1.2 PSR 412 04/25/79 14.42.03.

M S R D C GPSS V/6000 ?
WALEHOSP MATRIY

DDMM/YY	DDMM	DDMM	DDMM
39	11	12	13
40	0	0	0
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	0	0	0
46	0	0	0
47	0	0	0
48	0	0	0
49	0	0	0
50	0	0	0

N S R O C GPSS V/6000 CRM 6PSS V/6000 VER. 1.2 PSR 412 04/25/79 14.62.04.
 BLOCK OPERATION A, P, C, D, E, F, G, H, I, J COMMENTS CARD
 NUMBER *LOC FND RETURN CONTROL TO OPERATING SYSTEM NATURE 191 2737
 NUMBER

REFERENCES

1. Schriber, T.J., "Simulation Using GPSS," John Wiley and Sons, New York (1974).
2. Clark, D.E. and M. Gray, "REACT II Computer Program User's Manual," Computation, Mathematics and Logistics Department Research and Development Report DTNSRDC-78/095 (Nov 1978).

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