

RED RIVER ARMY DEPOT

A COMPETITIVE INDUSTRIAL COMPLEX

EXCELLING IN QUALITY PRODUCTS AND SERVICES



TAQ

ENVIRONMENT

QUALITY OF LIFE

SAFETY

TRAINING

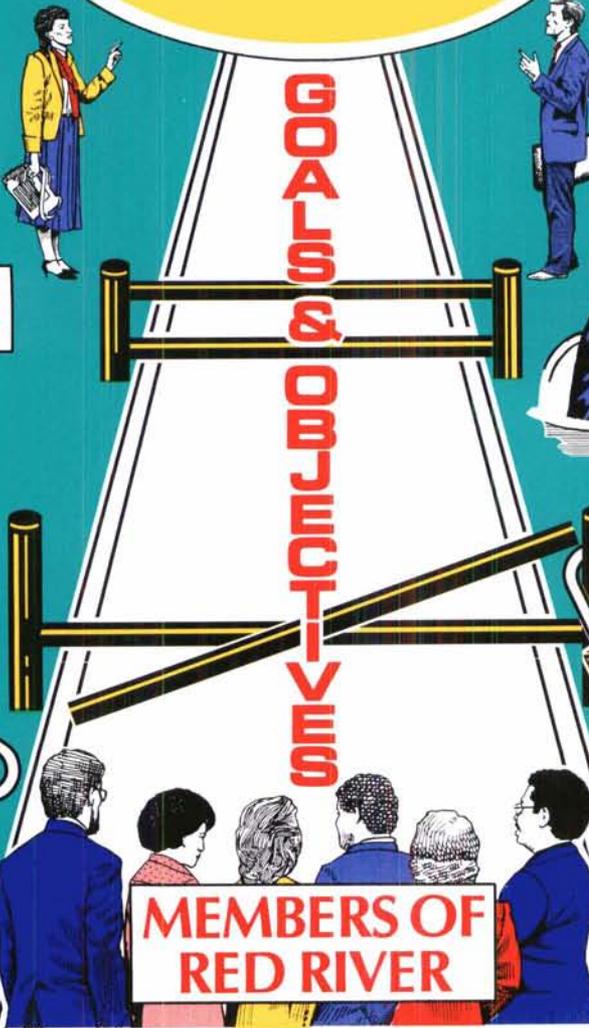
VALUES AND ETHICS



GOALS & OBJECTIVES

MEMBERS OF RED RIVER

18 AUG 93







We
Support
The
Soldier

Red River Army Depot



People With A Vision Proudly Creating Excellence



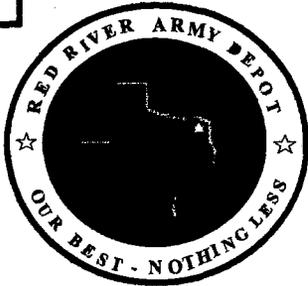
Red River Army Depot

Three Major Missions



We
Support
The
Soldier

- **Maintenance**
 - **Performs Depot Level Maintenance on a Variety of Combat Vehicles, Weapon, and Support Systems.**
- **Ammunition**
 - **Performs Depot Level Maintenance, Storage, and Demilitarization on a Variety of Ammunition and Missiles.**
- **Missile Recertification**
 - **Sole-Source Support to United States Forces and Various Foreign Military Sales for Recertification of Patriot and Hawk Missiles.**



Unique Missions



We
Support
The
Soldier

- **Conversion/Modification of Light Tracked Vehicles**
- **Rebuild of Roadwheel, Track, Bias and Radial Tires**
- **Design and Manufacture of Prototype Combat Vehicles**
 - **Large Area Mobile Protected Smoke System**
 - **M113 Armored Personnel Carrier (Stretched)**
 - **USAF Explosive Ordnance Disposal Vehicle**
 - **Joint Readiness Training Center Light Armored Vehicle Conversion**
 - **National Training Center Opposing Forces Surrogate Vehicles**
- **Special Fabrication Projects**
 - **Single Channel Ground and Airborne Radio System (SINCGARS) Installation Kits**
 - **Combat Identification Panels**



Interservice Support



We
Support
The
Soldier

- **Marine Corps**
 - **Amphibious Armored Vehicle Roadwheels**
 - **Hawk Missiles**
 - **Negotiations Currently Ongoing for 500 High Mobility Multi-Purpose Wheeled Vehicles (HMMWV)**

- **Navy - Armament Subsystems**

- **Air Force**
 - **Explosive Ordnance Disposal Vehicle**
 - **Maverick Missiles**



DoD's "CORE" Weapon Systems Supported



We
Support
The
Soldier

- **Bradley Fighting Vehicle System (BFVS)**
- **Multiple Launch Rocket System (MLRS)**
- **M113 Family of Vehicles (FOV)**
- **Fire Support Team Vehicle (FIST-V)**
- **Heavy Equipment Transporters (HET)**
- **M9 Armored Combat Earthmovers (ACE)**
- **Palletized Load System (PLS)**
- **Reverse Osmosis Water Purification Units (ROWPU)**



Army Mechanized Division Structure



We
Support
The
Soldier

• Bradleys	311
• Multiple Launch Rocket System (MLRS)	72
• M113 Family of Vehicles (FOV)	706
• M1 Abrams	255
• M109's	72
• M9 Armored Combat Earthmovers (ACE)	64

We support 77% of all tracked vehicles in a typical mechanized division.

• High Mobility Multi-Purpose Wheeled Vehicle	1700
• Cargo Truck	1500
• Heavy Expanded Mobile Transport Truck (HEMTT)	500
• Heavy Equipment Transporters (HET)	24
• Light Equipment Transporters (LET)	3
• Palletized Load System (PLS)	63

Note: Items highlighted in blue represent core systems supported by Red River Army Depot



We
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The
Soldier

Fleet Densities

Current USA Inventory

Bradleys	6,724
M113 FOV	25,600
MLRS	747
Total	33,071

10 Division Army

Bradleys	6,724
M113 FOV	17,353
MLRS	747
Total	*24,824

Non-USA/World

Bradleys	400+
M113 FOV	50,000
MLRS	86

**Current Production Rates = 24-Year Cycle*



Unique Capability to Support Logistics Power Projection



**We
Support
The
Soldier**

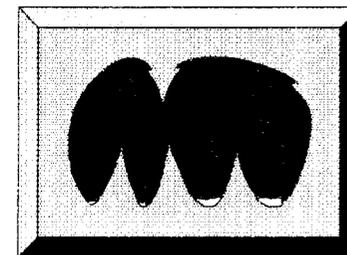
- **Unserviceable Assets at RRAD**
 - **Bradleys - 732**
 - **M113 Family of Vehicles - 2,553**
 - **Tactical Wheeled Vehicles - 810**
- **Power Projection Capability**
 - **Bradleys - 50/Month**
 - **M113 Family of Vehicles - 200/Month**
- **Mobilization + 6 Months - RRAD Could Provide:**
 - **300 Bradleys**
 - **1200 M113 Family of Vehicles**



VALUE OF KNOWLEDGE **Support Provided in the Field** **Fiscal Years 1994 & 1995**



We
Support
The
Soldier



- **98 Site Visits**
- **257 Members Deployed**
- **Examples of Support:**
 - **MLRS MWO Application - CONUS/OCONUS**
 - **MLRS VOLEP - CONUS/OCONUS**
 - **M113A3 Fielding - Ft. Stewart, Georgia**
 - **Bradley MWO Application - CONUS Locations**
 - **MLRS Retrofit - CONUS/OCONUS**
 - **Deprocessing - Kenya/Rwanda**
 - **Bradley Repair - Ft. Bliss, Texas**
 - **AR3 (Army Equipment Afloat) Handoff - Kuwait**
 - **MLRS Relay Box Mod - Germany**
 - **Combat Identification Panels - Korea**
 - **Bradley Radio Repair - Ft. Carson, CO**

RAPID RESPONSE



RRAD Support Provided to DESERT SHIELD / DESERT STORM



We
Support
The
Soldier

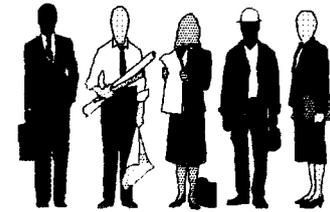
- **Deployed 315 Members**
 - 257 to CONUS Destinations
 - 176 to OCONUS Destinations
- **Provided 30,304 Mandays of Support**
 - Painted 6,000 Items for 1st Cavalry
 - Provided Staff to USA Spt Gp in Saudi
 - Upgraded 300 BFVS in Saudi
 - Assisted USA Spt Gp in Modification of M1A1s
 - Fabricated 1,000 M9ACE Roadwheels
 - Accelerated Secondary Item Production
- **Force Reconstitution**

Increased Production By 1 Million Manhours





Unique Environment of Cultural Change



We Support
The Taxpayer

- **Partnerships with Customers**
- **Union & Management Partnerships - All Organizational Levels**
 - **58% Reduction in Number of Grievances (FY92-FY94)**
- **Reduction of Organizational Layers from Five to Three**
 - **Decreased the Number of Supervisors by 51% (FY94)**
 - **Increased Member to Supervisor Ratio - 15:1**
- **State-Of-The-Art Training**
 - **Increased Training Hours Per Member from 17 to 71**
 - **"HEARTS" Teambuilding (RRAD-4986; Other-1570)**
 - **Cost Avoidance of More Than \$3 Million**
- **Empowerment of Our Members**
 - **Decreased Injuries by More Than 11%**
 - **FY94 Suggestion Savings of \$1.2 Million**
 - **FY94 Value Engineering Savings of \$7.8 Million**
 - **Reduced Local Regulations by 53%**
 - **Increased Productivity at a Savings of \$14.8 Million**
- **85 Self-Managed Work Teams - 27% of Members**
- **129 Process Action Teams - 70% Cross-Functional**

UNITED WE CONTINUE OUR QUALITY JOURNEY INTO THE 21ST CENTURY!



Summary

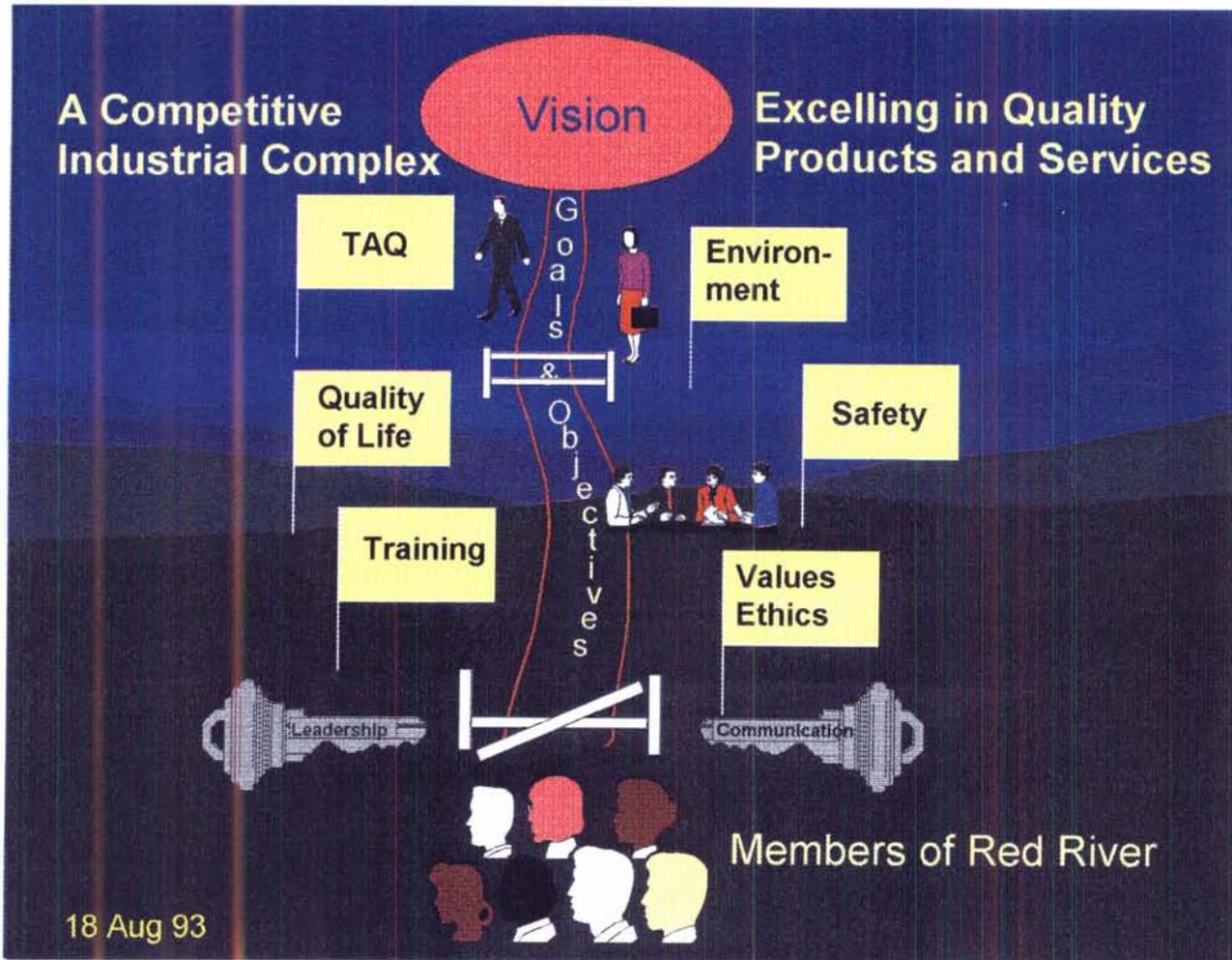


We
Support
The
Soldier

- **Depot With Three Major Missions**
- **One-of-a-Kind Capabilities**
- **75% of Heavy Division Tracked Vehicles**
- **Unique Body of Rapidly Deployable Knowledge**
- **National Leader Of Cultural Change and Increased Efficiency**

SHARED VISION

SHARED VALUES



HONESTY

ETHICS

ACCOUNTABILITY

RESPECT

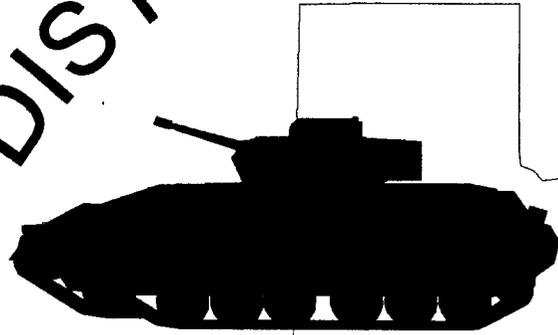
TRUST

SUPPORT

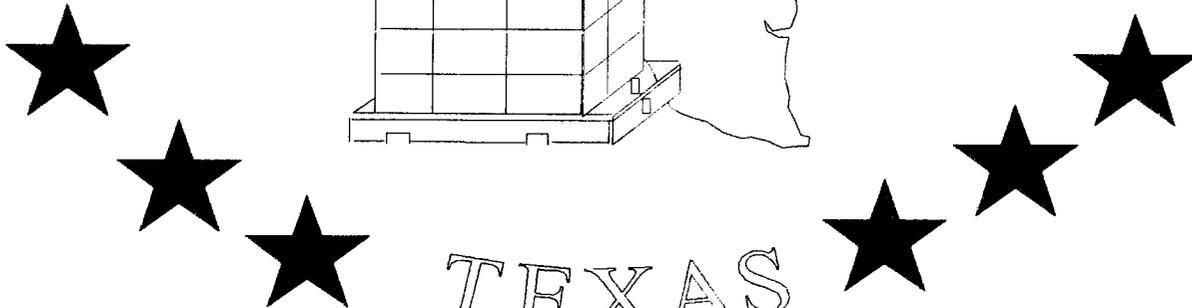
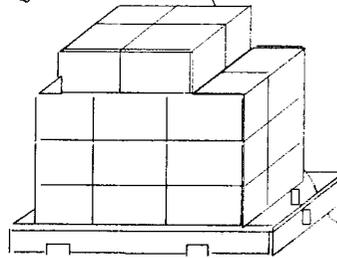


A New Way of Thinking---A New Way of Doing Business

DEFENSE DISTRIBUTION DEPOT RED RIVER



Distribution Is Our Business



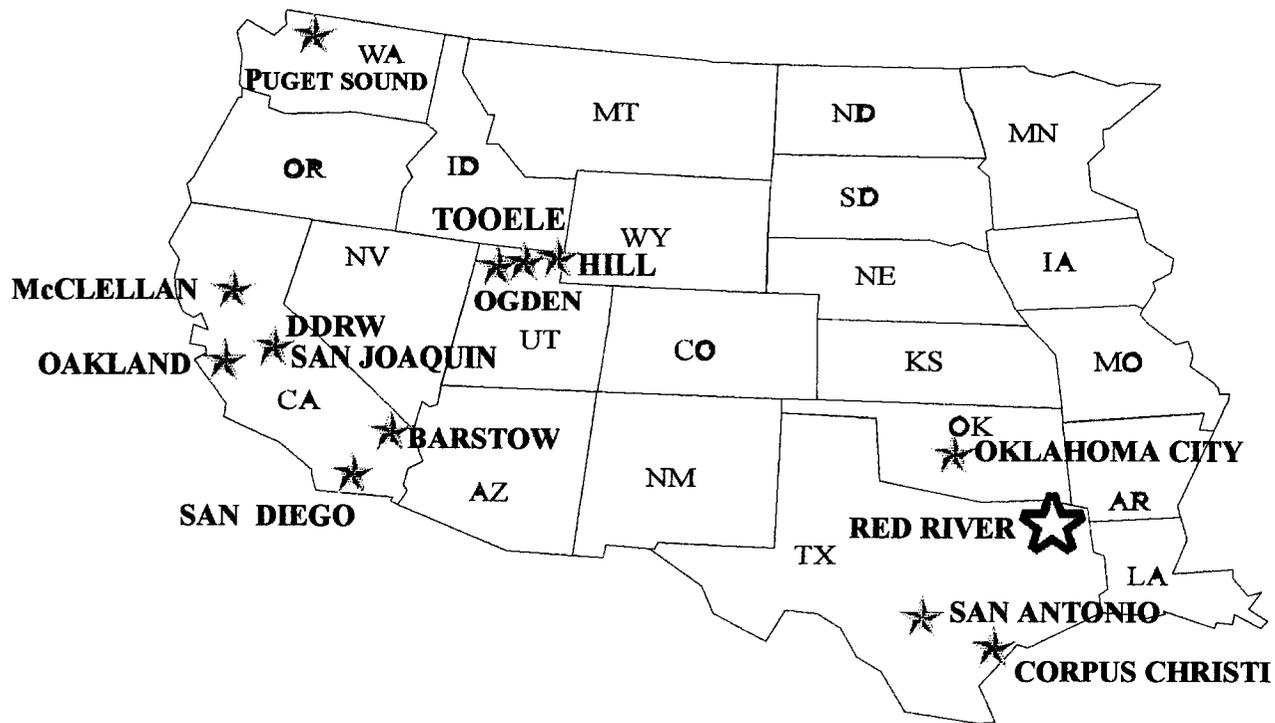
TEXAS



DEFENSE DISTRIBUTION REGION WEST



We
Support
The
Soldier

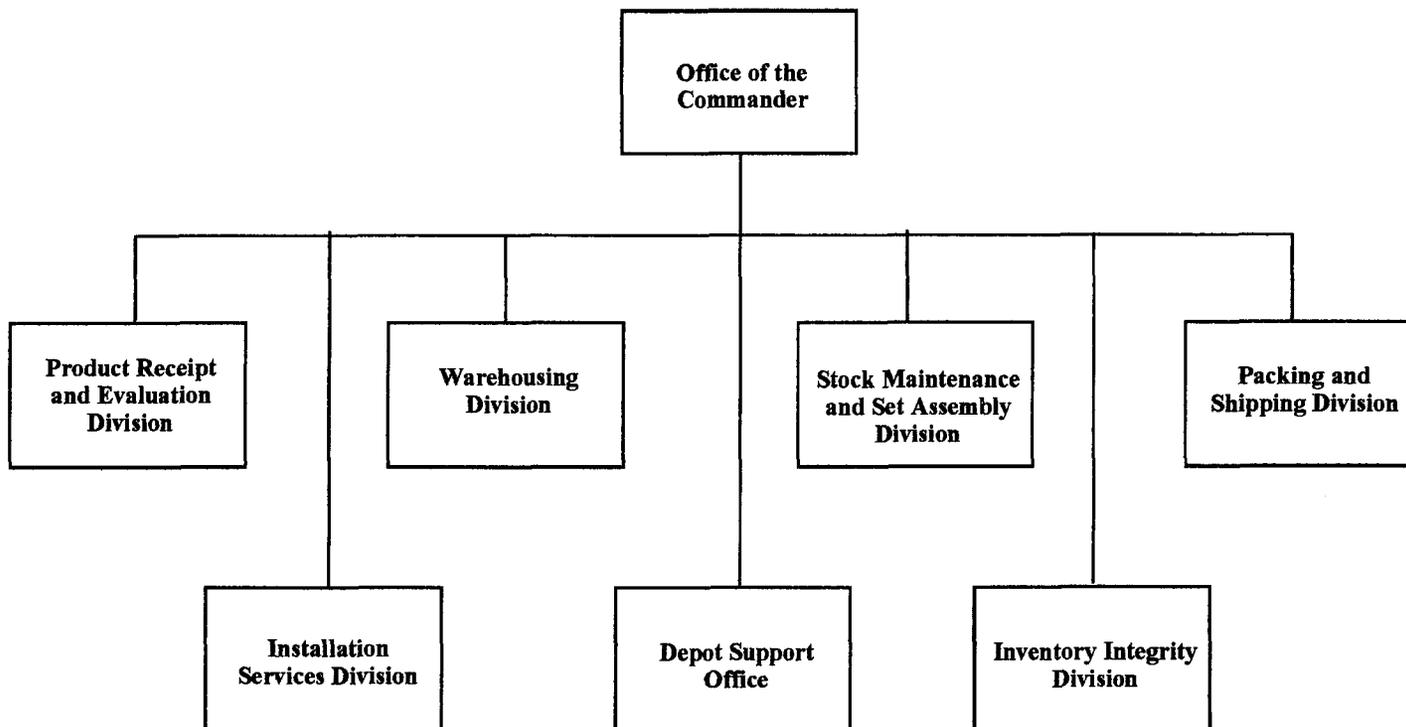




DEFENSE DISTRIBUTION DEPOT RED RIVER



We
Support
The
Soldier





PERSONNEL STRENGTH



We
Support
The
Soldier

CLASSIFICATION

NO.

GS

325

WG/WS/WL

698

MILITARY

1

TOTAL

1,024



FACILITIES



We
Support
The
Soldier

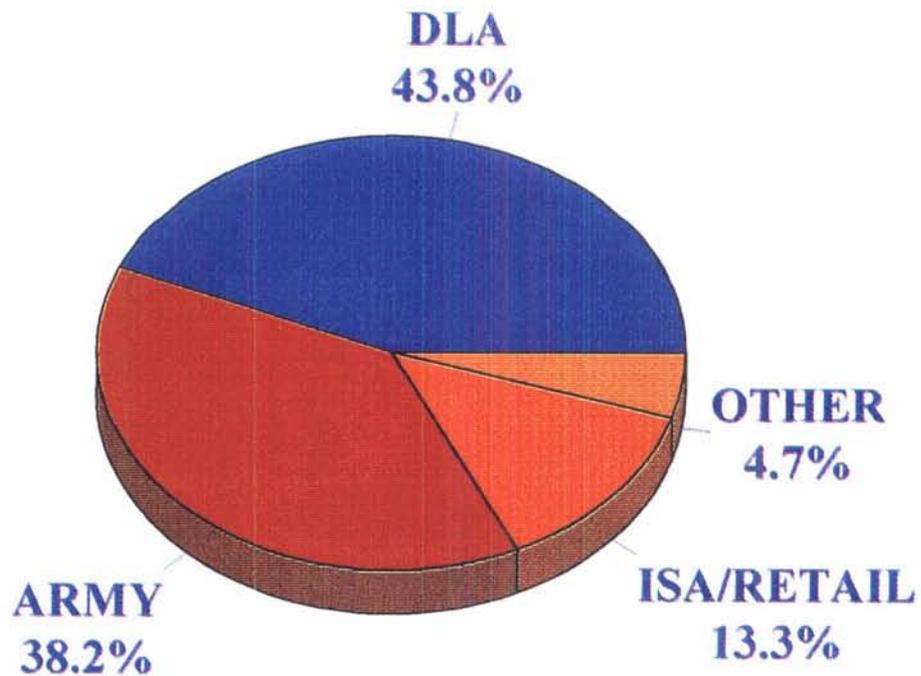
CATEGORY	SQ FT
COVERED STORAGE	2,202,496
OUTSIDE STORAGE	2,925,790
TOTAL SPACE	5,128,286
GENERAL HEATED/UNHEATED	38
HAZARDOUS/FLAMMABLE	8
CHILLED	3
CONTROLLED HUMIDITY	13
TOTAL WAREHOUSES	62
SHEDS/SHELTERS	130



PROFILE OF ASSETS IN STORAGE



We
Support
The
Soldier



% LINES

As of 31 Jan 95



TOP TEN DESTINATIONS



We
Support
The
Soldier

RANKING

DESTINATION

1	FT. HOOD, TX
2	CCP - E
3	FT. RILEY, KS
4	CCP - W
5	FT. BLISS, TX
6	FT. SILL, OK
7	FT. POLK, LA
8	FT. CARSON, CO
9	FT. CAMPBELL, KY
10	FT. RUCKER, AL



VEHICLES IN STORAGE



We
Support
The
Soldier

CATEGORY	SERV	UNSERV	SAL	WT (TONS)
TACTICAL	1,558	908	23	23,016
COMBAT	1,262	4,662	10	83,335
REPAIR & RETURN				
-- NG		66		693
-- FORSCOM		15		158
TOTAL	2,820	5,651	33	107,202

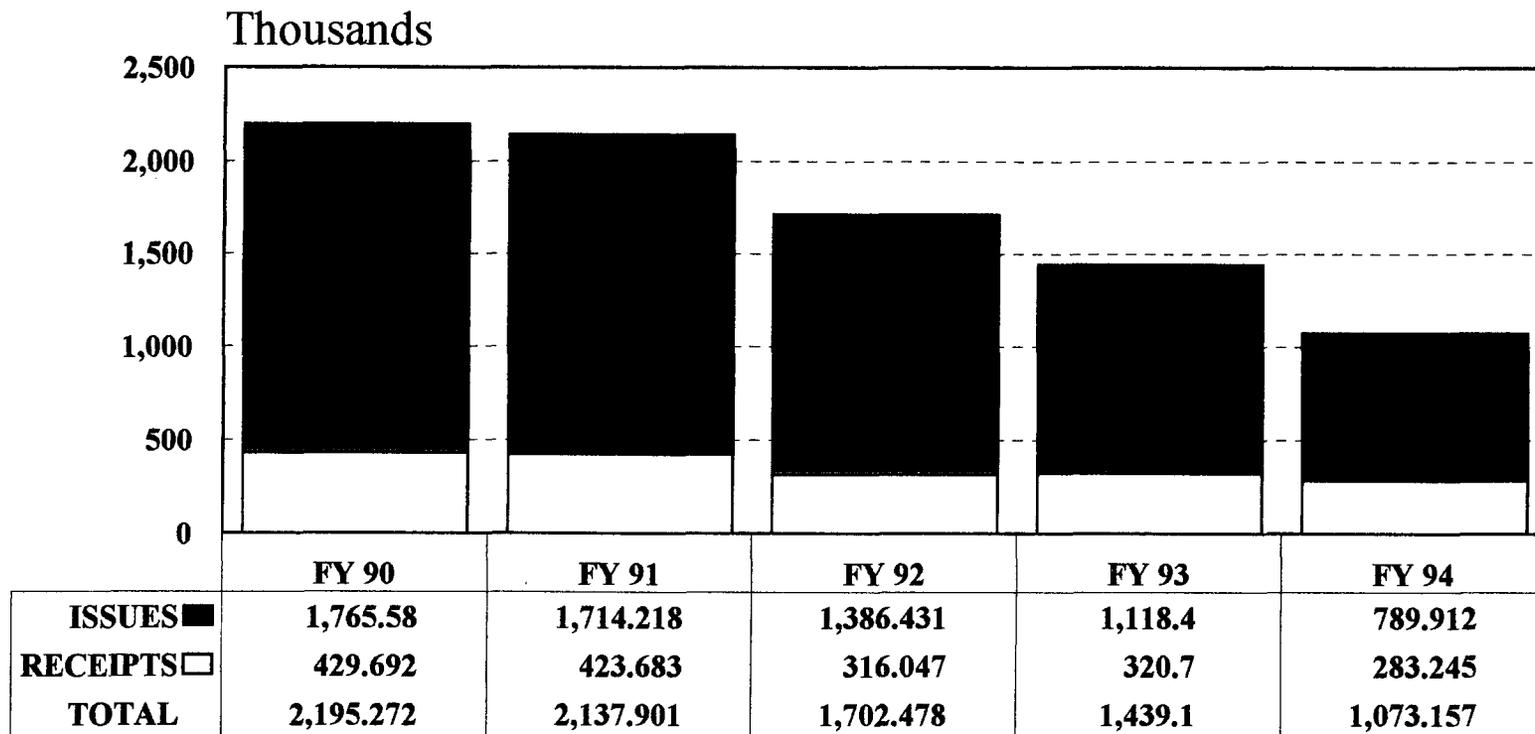
As of 27 Mar 95



ISSUE/RECEIPT WORKLOAD



We
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The
Soldier



LINE ITEMS



PERFORMANCE AVERAGE DAYS



We
Support
The
Soldier

CATEGORY	DLA STD	DDRT AVG
RECEIPTS:		
PROCUREMENT	4 DAYS	2.2 DAYS
RETURNS	10 DAYS	5.6 DAYS
ISSUES:		
HI PRI	1 DAY	.48 DAYS
ROUTINES	8 DAYS	3.8 DAYS
WAREHOUSE DENIALS	0.80	0.76





RED RIVER ARMY DEPOT MAINTENANCE MISSION



- **Vehicle Missions**
 - ▶ **Bradley Fighting Vehicle - 8 Configurations**
 - ▶ **M113 Family of Vehicles - 24 Configurations**
 - ▶ **Trailers, Trucks, Army Construction Equipment**

- **Supporting Missions**
 - ▶ **Overhaul of Major Assemblies - Engines, Transmissions, Electronic Systems**
 - ▶ **Generators, Reverse Osmosis Purification Units, Hydraulic Pumps, Valves, Actuators**
 - ▶ **On-Site Customer Assistance**
 - ▶ **Technical Data Development**





PRODUCTION FACILITIES



We
Support
The
Soldier

- **Production Facilities Cover Over 45 Acres**
- **43 Buildings Devoted to Repair, Overhaul, or Rework of Assigned Weapon Systems**
- **1.4 Million Square Feet of Production Facilities**
- **Equipment Value In Excess of \$110 Million**





TRACKED VEHICLE COMPLEX



We
Support
The
Soldier

- **218,480 Square Feet (5 Acres Under One Roof)**
- **Allows Rework/Overhaul/Repair of Assigned Vehicles in Single Facility**
- **Designed for Flexibility in Adapting to Changes in Weapon System Assignments**
- **Operations Include Painting, Cleaning, Assembly, Vehicle Hull Abrasive Cleaning, Boring/Milling, Welding, Final Milling, and Component Cleaning**





BODY REPAIR OPERATIONS



We
Support
The
Soldier

- **Supports Reconfiguration of Vehicle Bodies**
- **Light Welding of Brackets and Conversion Kit Components**
- **Supports Prototype Design and Fabrication**





VEHICLE ASSEMBLY AREA



We
Support
The
Soldier

- **Supports Vehicle Assembly Operations**
- **Flexible - Assembly Area Easily Reconfigured to Meet a Variety of Products (Vehicles) Simultaneously**
- **Lifting Capability Upgraded to Provide Increased Vehicle Throughput**
- **Work Station Instructions and Pre-Kitting of Parts Has Reduced Cycle Time From 13 to 4 Workdays**
- **Crane Capacity Capable of Supporting Light and Heavy Tracked Vehicles**



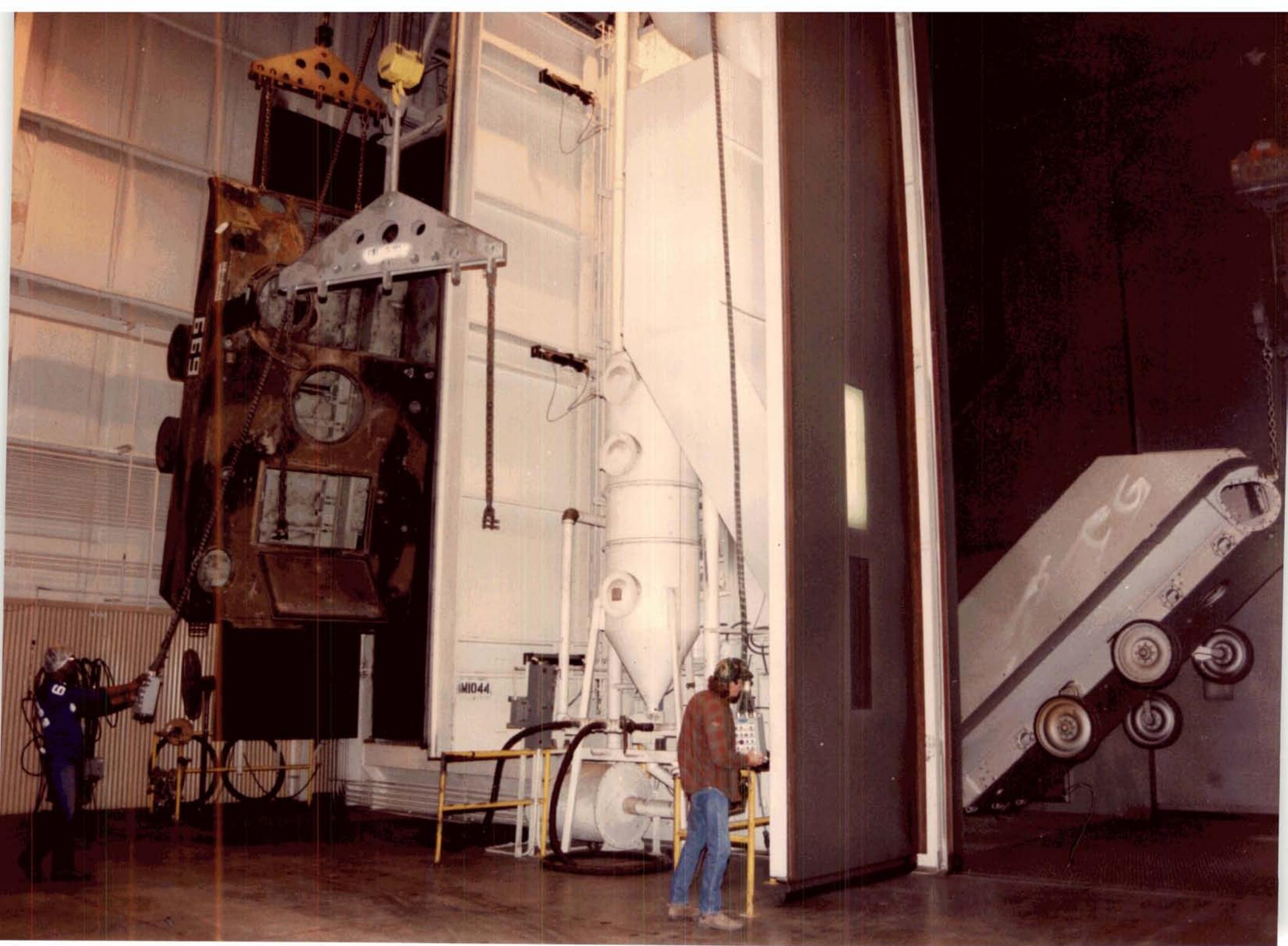


CINNATI GILBERT COMPUTER NUMERICAL CONTROL MILLING MACHINE



We
Support
The
Soldier

- **Milling Machine Supports Requirement for Machining Surfaces at Different Angles Without Moving the Part - i.e., Bradley Fighting Vehicle System**
- **Has 5 Axis, True 3-Dimensional Machining, Accurate Repeatability**
- **Sized to Accept Both Light and Heavy Tracked Vehicles**
- **Man-Hour Savings**
 - ▶ **Conventional Methods - 81 Man-Hours**
 - ▶ **Team Driven Gilbert - 10 Man-Hours**
- **Operational Savings in Excess of \$2 Million Per Year**



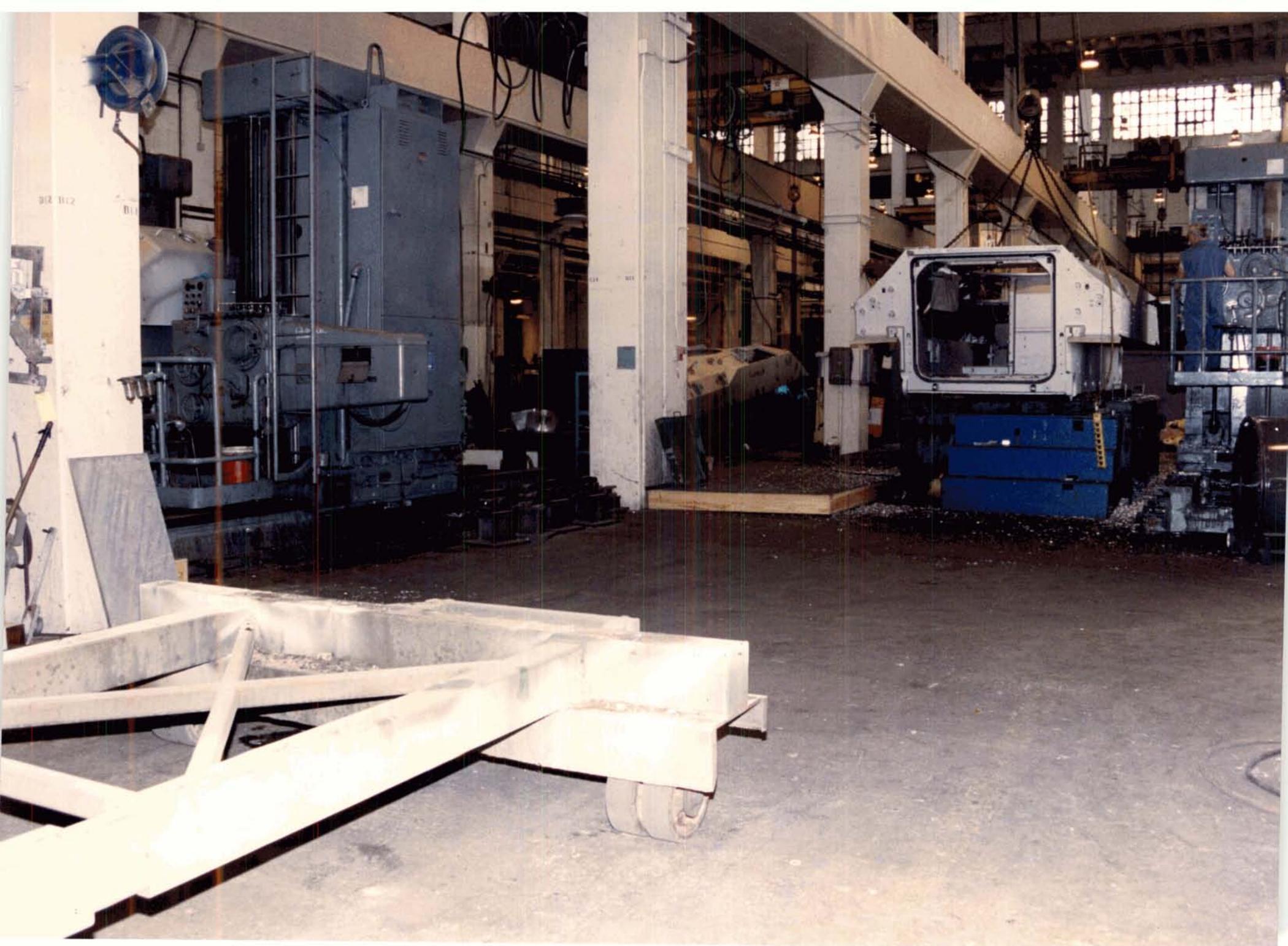


AUTOMATED HULL BLAST CLEANING SYSTEM



We
Support
The
Soldier

- **Complete Removal of Paint and Nonskid Materials from Vehicle Hulls and Other Large Components**
- **1/3 the Cost of Conventional Methods**
- **Man-Hour Savings (Vehicle Hulls)**
 - ▶ **Conventional Sandblast - 15.0 Man-hours/Vehicle**
 - ▶ **Automated Hull Blast - 4.5 Man-hours/Vehicle**
- **Closed System Captures Hazardous Waste for Easy Disposal**
 - ▶ **Generates 1/8 the Hazardous Waste of Conventional Methods**



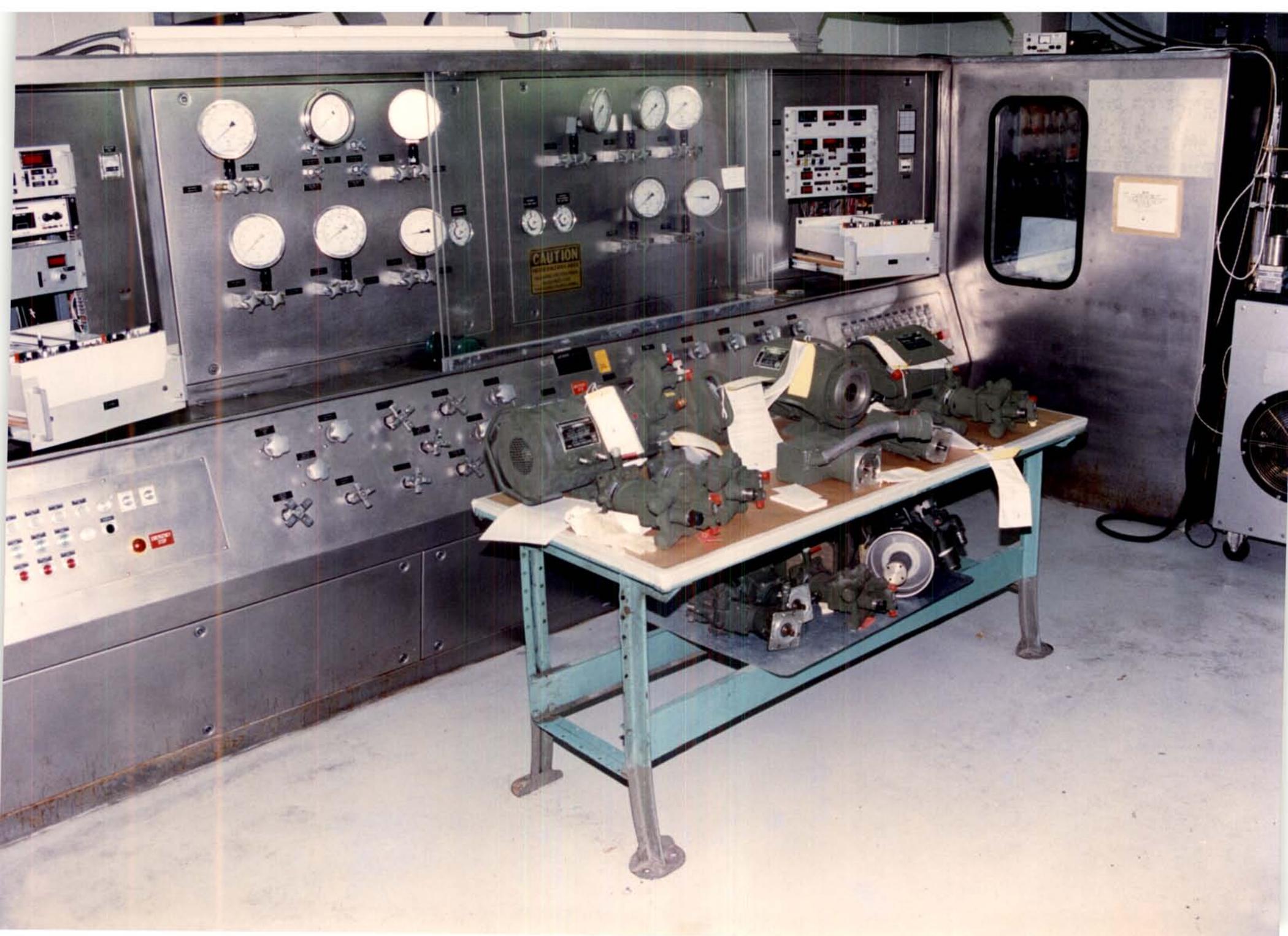


SUB-ASSEMBLY SUPPORT FACILITY **BUILDING 345**



We
Support
The
Soldier

- **371,000 Square Feet**
- **Primary Operations Include:**
 - ▶ **Repair and Overhaul of Engines, Transmissions, Hydraulic Components, and Other Hydraulic/Mechanical Components**
 - ▶ **Milling Operations**
 - ▶ **Vehicle Disassembly**
 - ▶ **Electroplating**
 - ▶ **Component Cleaning and Painting**
- **Flexible - Used to Support Current Programs and Augment Production Capability for New Programs, and/or Mobilization Requirements, i.e., BRAC 93 Tooele Tactical Wheeled Vehicle Workload**



CAUTION

Emergency Stop

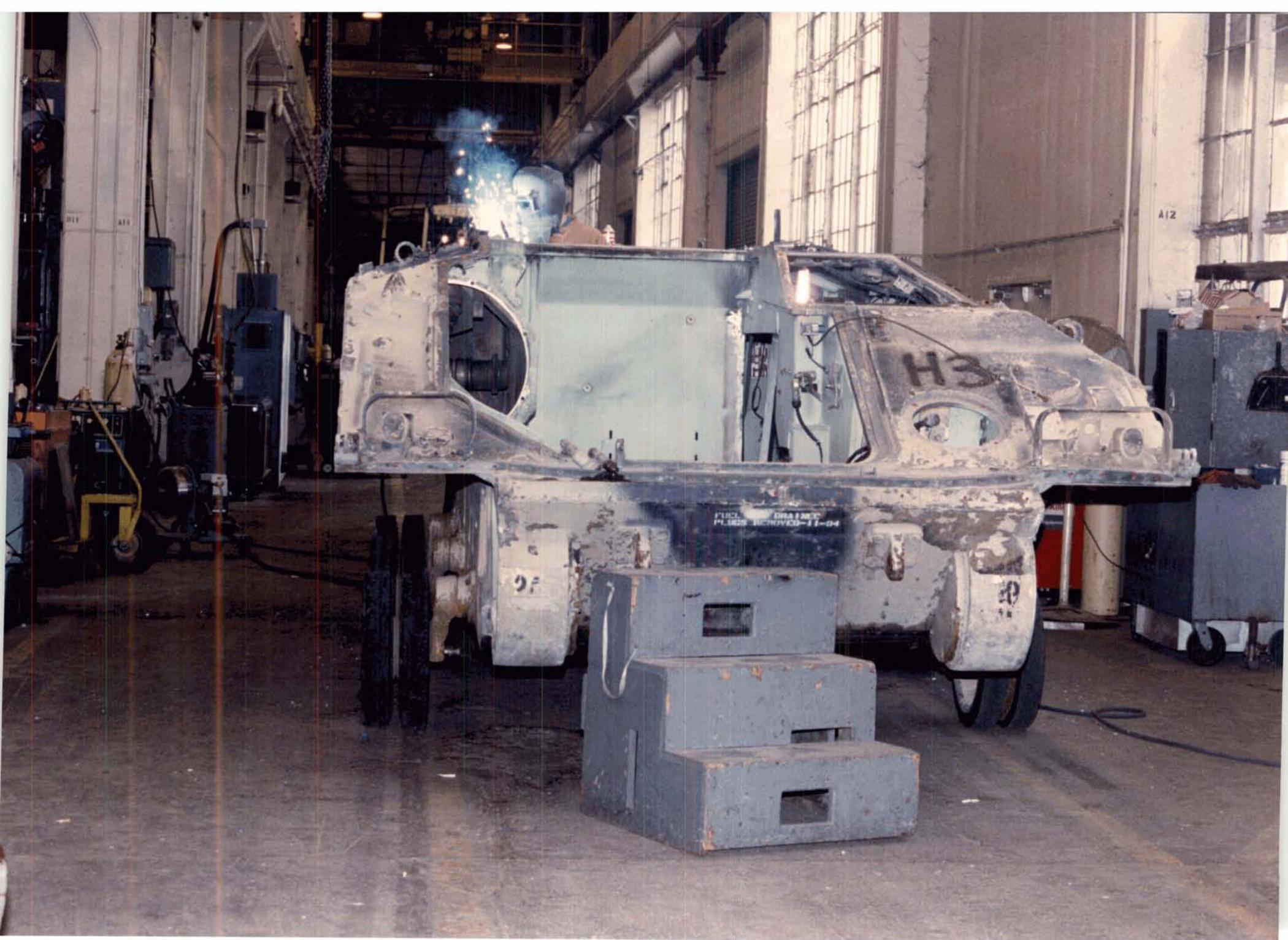


HYDRAULIC TEST STAND FOR MULTIPLE LAUNCH ROCKET SYSTEM



We
Support
The
Soldier

- **Hydraulic Shop Recently Modernized**
- **Accomplishes Overhaul/Repair and Testing of All Hydraulic Assemblies and Components**
- **Only DoD Depot Equipped to Test the Multiple Launch Rocket System Hydraulics**





We
Support
The
Soldier

LINES 1 - 4 BUILDING 345

- **Additional Milling Capability for Vehicle Body Reconfiguration**
- **Area Also Supports Battle Damaged Vehicle Bodies**
- **Area Can Be Reconfigured to Meet Additional or New Requirements**



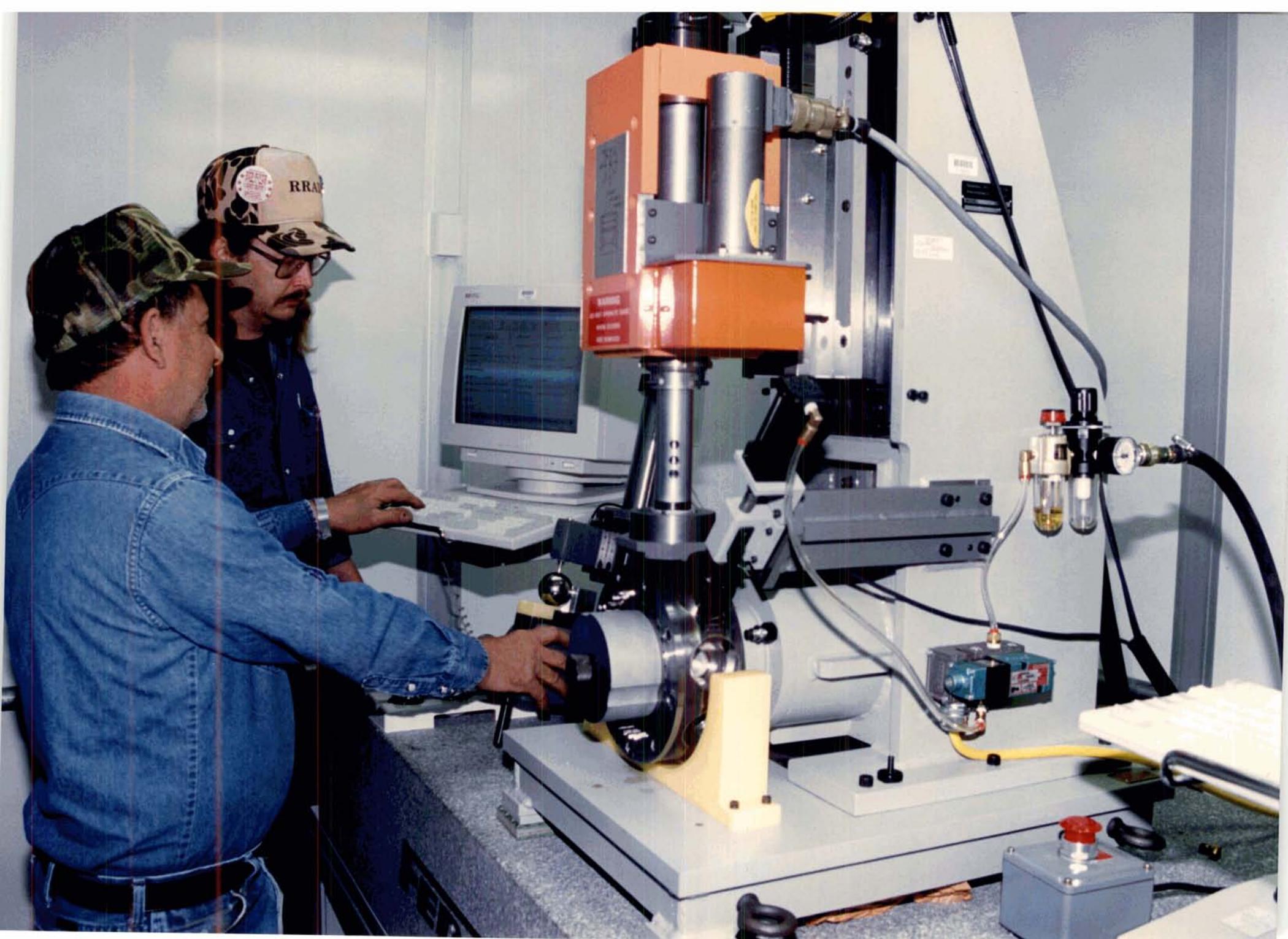


FLAME SPRAY OPERATION



We
Support
The
Soldier

- **Application of New Technology**
- **Reconditions Shafts, Worn Bearing Surfaces, and Seal Surfaces**
- **Cost Savings**



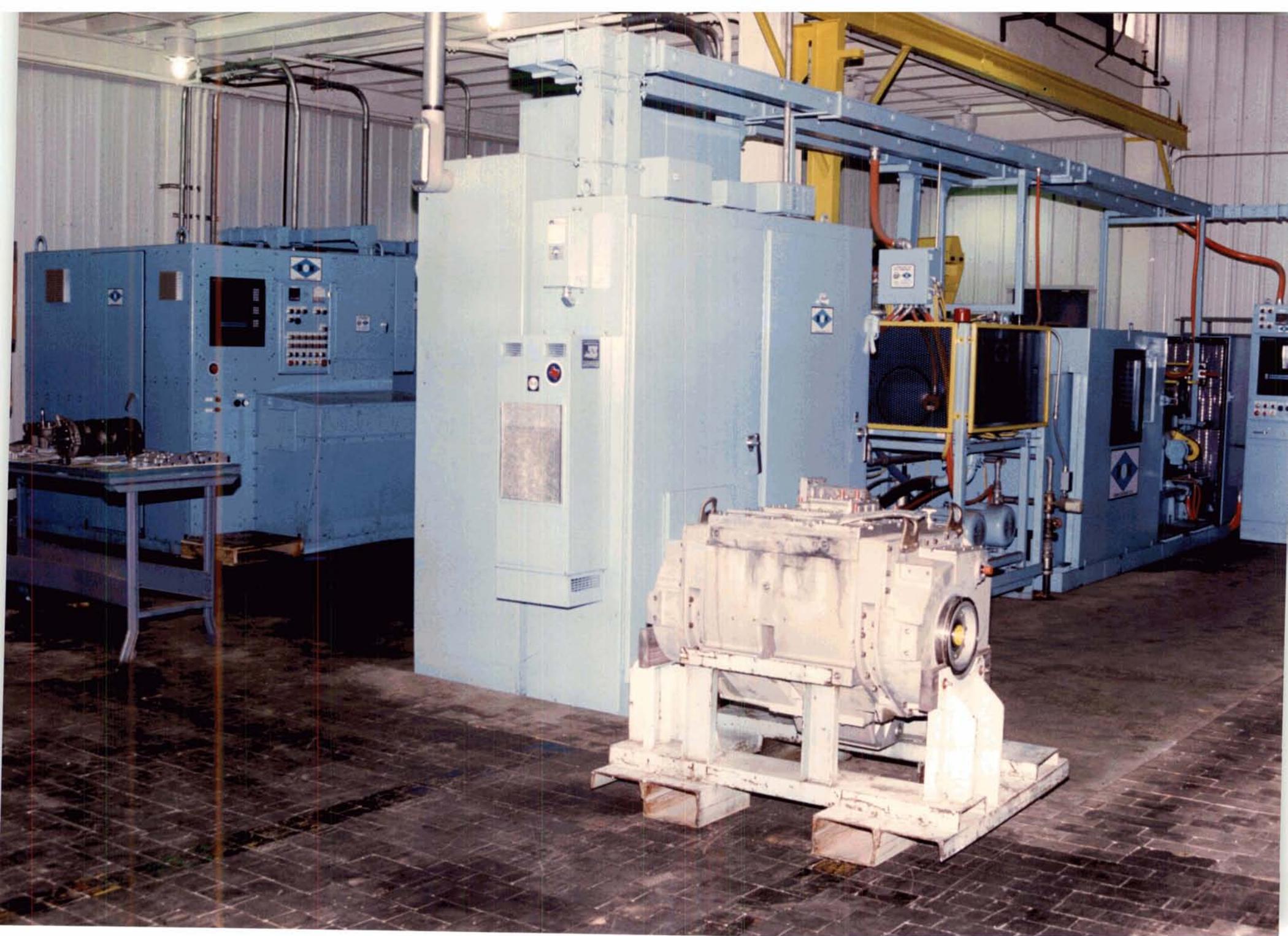


BORE/BALL MATCHING GAGE TEST ROOM



We
Support
The
Soldier

- **Supports Overhaul/Test of Crossdrive Transmissions for Bradley and Multiple Launch Rocket System Vehicles**
- **Accurate to**
- **Reduces Transmission Overhaul Cost by \$10,400**
- **Eliminates Need to Send Cylinder Blocks Back to Manufacturer for Repairs**
- **Annual Savings of**





X200-4 TRANSMISSION COMPONENT TEST EQUIPMENT



We
Support
The
Soldier

- **Supports Overhaul/Test of M113A3 Transmission Components**
- **Only Maintenance Point, Public or Private, Equipped With This Capability**
- **Eliminates Army's Need for Contractor Support in the Testing of Individual Transmission Components**





ENGINE REBUILD AND RECLAMATION



We
Support
The
Soldier

- **Repair/Overhaul for Various Vehicle and Engine Electrical/Mechanical Components**
- **Engine Assembly Area for the Bradley and M113 Family of Vehicles Engines**
- **Site for New Generator Test Facility for BRAC 93 Tooele Transfer Workload (30, 60, and 100 KW Generators)**



CAUTION
USE PROPER
LIFTING
TECHNIQUE
TO AVOID
INJURY

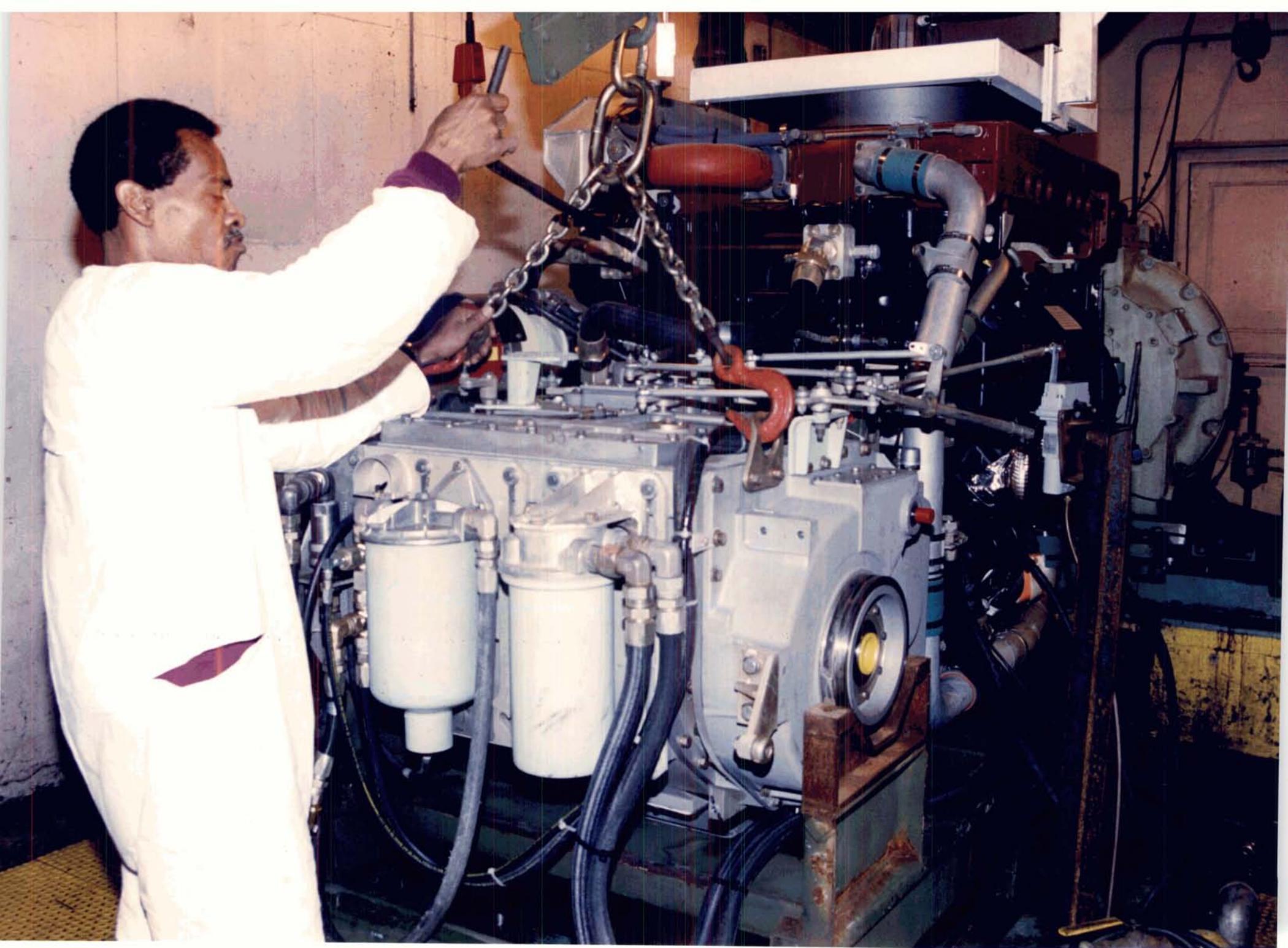


PRODUCTION LINES 16 - 18 AND 20 BUILDING 345



We
Support
The
Soldier

- **Augment Production Capability for New/Additional Programs**
- **Flexible in Adapting/Reconfiguring for Mobilization or Surge Requirements**
- **Currently Beginning New Program for Tactical Wheeled Vehicles (BRAC 93 - Tooele Workload Transfer)**
- **Line 20 Accomplishes Vehicle Disassembly Operations**



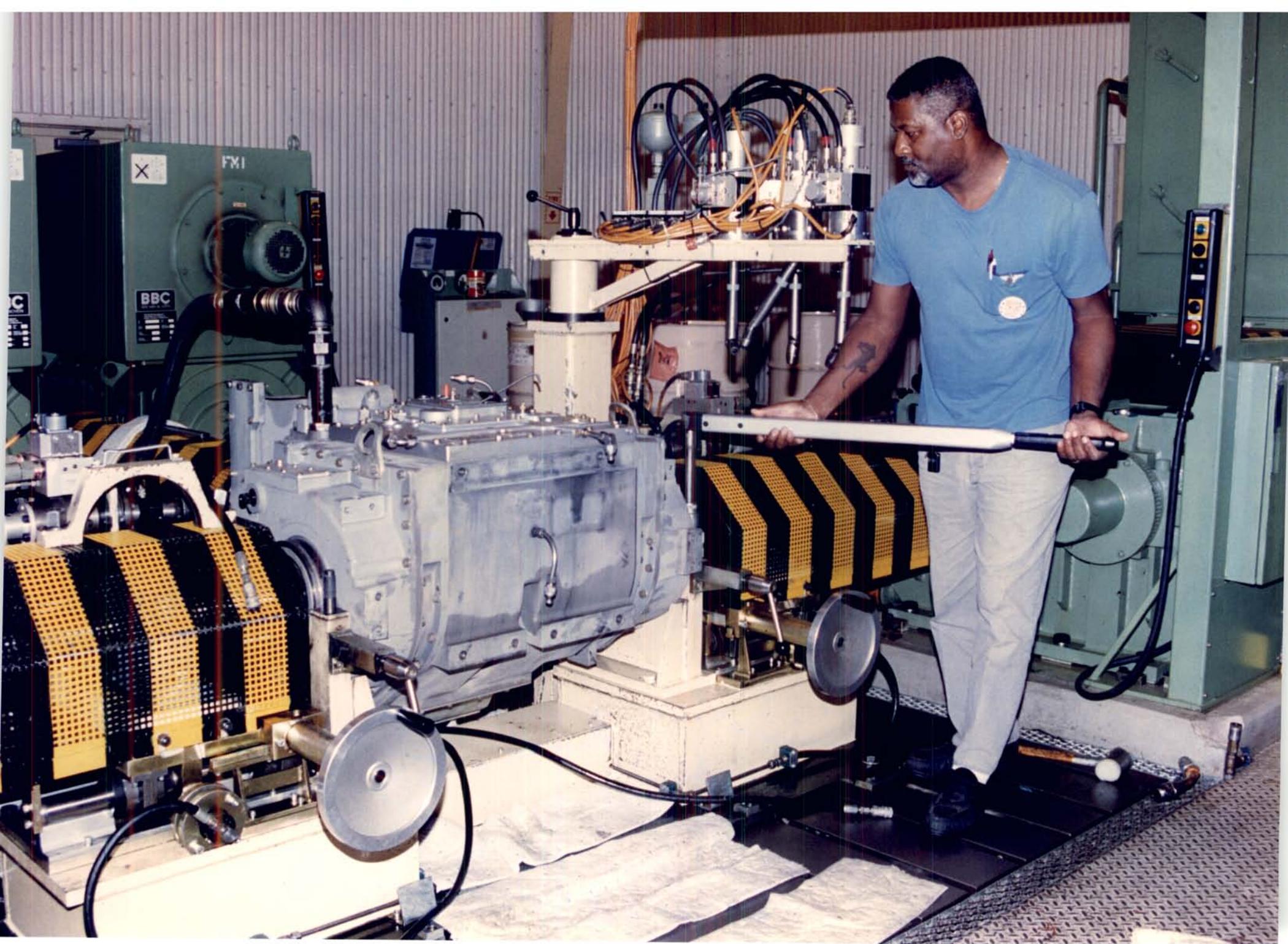


DYNAMOMETER



We
Support
The
Soldier

- **Capability to Test Engine, Transmission and Power Pack**
- **Total of 28 Test Cells**
 - ▶ **12 Fully Automated Engine Test Cells**
 - ▶ **4 Fully Automated Transmission Test Cells**
 - ▶ **6 Power Pack Test Cells**
 - ▶ **6 Transfer-Steer Differential, Power Generators**
- **Capacity Will Support Changing/Additional Requirements With No Loss in Ongoing Production**
- **Only X200-4 M113A3 Transmission Test Cell in Department of Army**





BRADLEY TRANSMISSION TEST FACILITY



We
Support
The
Soldier

- **Supports the Transmission Testing Requirements for:**
 - ▶ **Bradley Fighting Vehicle System**
 - ▶ **Multiple Launch Rocket System**
- **Self Contained Noise Attenuation Facility**
- **Generates 60% of Its Own Power**
- **Adjacent Facility Under Construction Will Provide Testing Capability for the M9 Army Construction Equipment Steering Unit (BRAC 93 - Tooele Army Depot Workload Transfer)**





VEHICLE AND ARTILLERY OPERATIONS



We
Support
The
Soldier

- **Whiting Bridge Crane**
 - ▶ **Bridge Crane Equipped With Two 30-Ton Hoists Providing 60 Ton Total Capacity**
 - ▶ **Crane Travels 720 ft., Spans 2 Rail Spurs and the Main Rail Line, and is 150 ft. Wide**
 - ▶ **Equipped for 24-hour Operations Capable of Loading/Unloading 300-400 Vehicles**



VEHICLE AND ARTILLERY OPERATIONS



We
Support
The
Soldier

- **MULTIPLE LAUNCH ROCKET SYSTEM**
 - ▶ **Mission Is Unique To DDRT Where Final Inspection Is Made For U.S. Army Missile Command**
 - ▶ **History and Overview Of The Weapon System and Its Unique Capabilities**
 - ▶ **DDRT Multiple Launch Rocket System Process**





VEHICLE AND ARTILLERY OPERATIONS



We
Support
The
Soldier

- **Bradley Fighting Vehicle Returned From Using Unit**
 - ▶ **Receipt Process**
 - ▶ **Basic Issue Items, Receipt, Recovery, Process and Redistribution**





VEHICLE AND ARTILLERY OPERATIONS



We
Support
The
Soldier

- **Standard Integrated Command Post System**
 - ▶ **Basic Issue Items**
 - ▶ **The Latest Version of the Command Post Vehicle with Fielding to Units Just Beginning**





VEHICLE AND ARTILLERY OPERATIONS



We
Support
The
Soldier

- **Bradley Fighting Vehicle System Prepared for Issue**
 - ▶ **Basic Issue Items**
 - ▶ **Basic Issue Items Packaged and Packed for Shipment**



Solution Seeker
Vehicle QTC NO 12
Information Center

BEST WORLD CLASS SYSTEMS
Manufacturing for the Future

Best Value Approach for the Best Economy
With the highest standard for
Quality, Reliability, and Supportability.

WELL DONE SOLDIER

[Image of a soldier in a desert environment]

A large wooden display board containing a grid of approximately 40 small photographs showing various military vehicles, including tanks, armored cars, and trucks, in different operational settings.



VEHICLE AND ARTILLERY OPERATIONS



We
Support
The
Soldier

- **Different Systems Processed**
 - **Diversified Workload Requiring Multi-skilled Personnel**
 - **7 Categories of Equipment Equalling Over 30 Different Systems**
 - **Current or Planned Maintenance Programs on the Majority of the Systems**
- **Defense Distribution Depot - Red River Major Items Workload**
- **Current and Projected Inventory**
- **Certified Process Control Plan**
 - **Last 6 Months Process Assessment**
- **Summation**





We
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The
Soldier

COMBAT VEHICLE STORAGE





We
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The
Soldier

TACTICAL VEHICLE STORAGE





We
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Soldier

LOW COST STORAGE FACILITIES





TRACK SHOE ASSEMBLIES



We
Support
The
Soldier

- **Stored in Two Low Cost Warehouses**
- **Processed at DDRT for Worldwide Distribution**





DEDICATED CUSTOMER PACK AREA



We
Support
The
Soldier

- **Replaced Terminals with Radio Frequency Scanners**
- **Created Laser Card Data Transmission Device**
- **Benefits**
 - ▶ **Reduces Order Ship Time**
 - ▶ **Improves Materiel Availability**
 - ▶ **Improves Accuracy**
 - ▶ **Creates Intransit Visibility**
 - ▶ **Increases Productivity**

TABLE 1
TRACKING & SCHEDULING

1ST	W45407
2ND	W68112
3RD	W45433
4TH	OMP

UT2133

DLA Yale 94212



DIRECT DELIVERY



We
Support
The
Soldier

- **Ship to 7 Largest Customers**
- **Consistent Reliable Next Morning Delivery**
- **3-5 Day Reduction in Order Ship Time**





DISTRIBUTION OPERATIONS CENTER



We
Support
The
Soldier

680,000 SF OF CONSTRUCTION:

360,000 SF OF STORAGE SPACE

280,000 SF OF OPERATIONAL SPACE

40,000 SF OF ADMINISTRATIVE WING

STATUS OF 75 ACRE CONSTRUCTION SITE:

80% OF CONCRETE FOOTINGS COMPLETE

ALL UNDERGROUND & DRAINAGE COMPLETE

ALL MATERIALS ORDERED & AT

CONSTRUCTION SITE OR AT

MANUFACTURER'S SITE

20% COMPLETE WITH COE PROJECTED COMP

DATE OF MAY 97 & CONTRACTOR'S COMP

DATE OF JUN 96

NOTICE TO PROCEED ON 7 JUN 94:

**GEORGE HYMAN CONSTRUCTION BASED IN
MARYLAND**

**\$32 MILLION CONSTRUCTION CONTRACT
IN ADDITION, \$6.7 MILLION OF SITE WORK &**

ELECTRICAL SUB-STATION COMPLETED

DOC FACILITY UNIQUE CHARACTERISTICS:

STATE-OF-THE-ART VENTILATION & LIGHTING WITH

EMPHASIS ON QUALITY OF LIFE & PRODUCTIVITY

LOAD/UNLOAD 50 TRUCKS AT SAME TIME WITH STAGING

FOR ADDITIONAL 100 TRUCK VANS

1000 LBS/SF FLOOR LOADING FOR MAXIMUM

FLEXIBILITY

25 FEET STACKING HEIGHT THROUGHOUT FACILITY

RAIL DOCK CAPABILITY WEST OF SITE

DOC - NEW HUB OF OPERATIONS:

CENTER OF 3.2M SF OF STORAGE & OPERATIONS

MOST IN-BOUND TRUCKS WILL BE PROCESSED HERE

CONVERTS OPERATIONAL SPACE IN BLDG 595 TO STORAGE

ALLOWS US TO VACATE 450,000 SF OF SUB-STANDARD

STORAGE

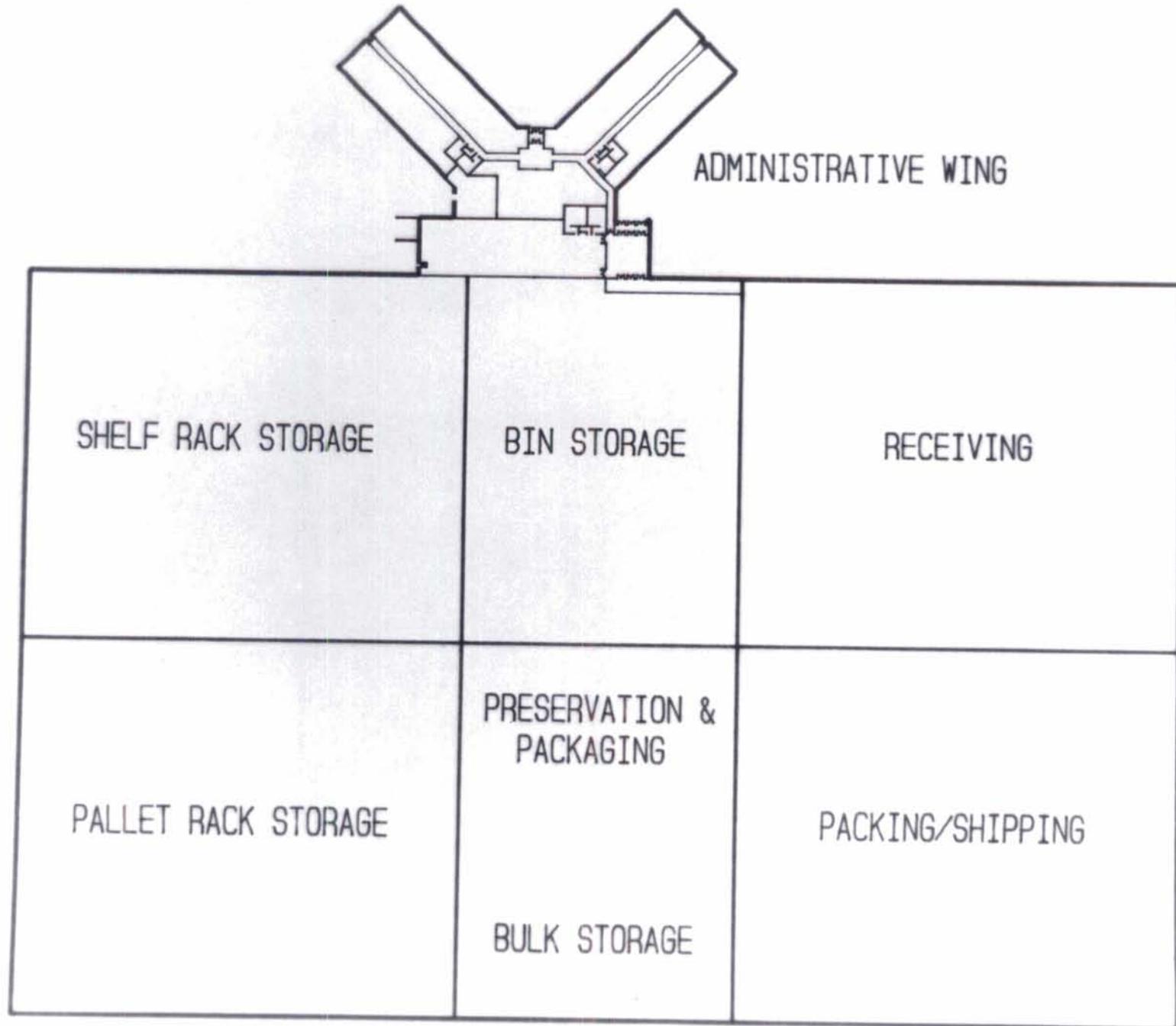
ENHANCES SUPPORT TO FT. HOOD, FT. POLK, AND OTHER

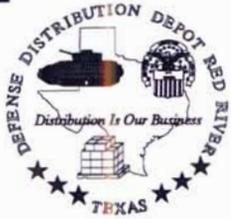
MILITARY CUSTOMERS

PROVIDES RAPID RESPONSE FOR CRISIS SITUATIONS

CAN BE OPERATED ON A THREE-SHIFT BASIS

DISTRIBUTION OPERATIONS CENTER





We
Support
The
Soldier

DISTRIBUTION OPERATIONS CENTER BUILDING LAYOUT





HAZARDOUS MATERIEL STORAGE FACILITY



We
Support
The
Soldier

NOTICE TO PROCEED:

APRIL 1994

CONTRACTOR:

FOUR THIRTEEN, INC.

COST:

\$3.2 MILLION

PROJECT FEATURES:

*** NEW BUILDING**

29,300 SQUARE FEET

*** EXISTING FACILITY UPGRADES:**

FLAMMABLE STORAGE

40,000 SQUARE FEET

ACID STORAGE

6,000 SQUARE FEET

*** TOTAL HAZ CAPACITY**

75,300 SQUARE FEET

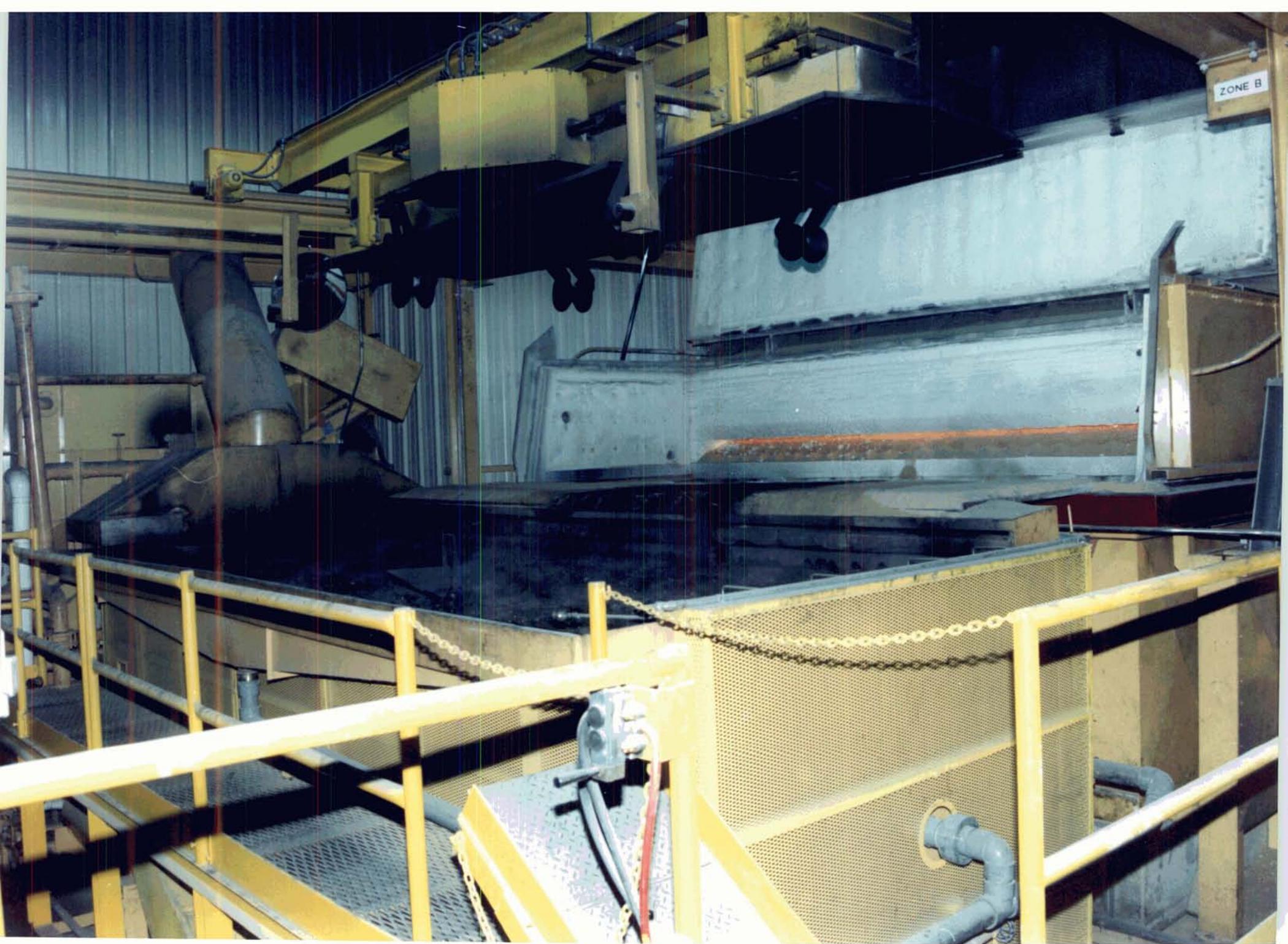
*** NEW BLDG & UPGRADES IN COMPLIANCE
WITH OSHA/EPA**

ESTIMATED COMPLETION DATE:

SEPTEMBER 1995

STATUS:

60% COMPLETE





RUBBER PRODUCTS FACILITY



We
Support
The
Soldier

- **Army's Only CONUS Roadwheel and Track Rebuild Facility**
- **Operations Include:**
 - ▶ **Disassembly/Assembly**
 - ▶ **Remanufacturing**
 - ▶ **Painting**
 - ▶ **Cleaning**
- **Incorporates New Technologies**
 - ▶ **Fluidized Bed for Rubber Denuding**
 - ▶ **Injection Molding for Significant Production Process Improvements**
- **Process Has Saved Over \$96 Million**





LAND COMBAT SYSTEMS OVERHAUL FACILITY



We
Support
The
Soldier

- **24,000 Square Feet With Overhead Crane Support**
- **Provides Final Operational Testing of Multiple Launch Rocket System**
- **Provides Build-up, Test and Mating of Turret to Bradley Vehicle Body for the A2 Conversion Program**
- **Bradley Turret Alignment Tower**
 - ▶ **One-of-a-Kind, Isolated Foundation**
 - ▶ **Checks Plumb Travel of Integrated Sight Unit**





BRADLEY FLOAT FACILITY



We
Support
The
Soldier

- **Provides Capability to Accomplish:**
 - ▶ **Float Test of Bradley Fighting Vehicle System**
 - ▶ **Check of Bradley Vehicle Hull for Leaks**
- **Adjacent Facility Provides Same Capability for M113 Armored Personnel Carrier Family of Vehicles**





SHEET METAL/WELDING **FACILITY**

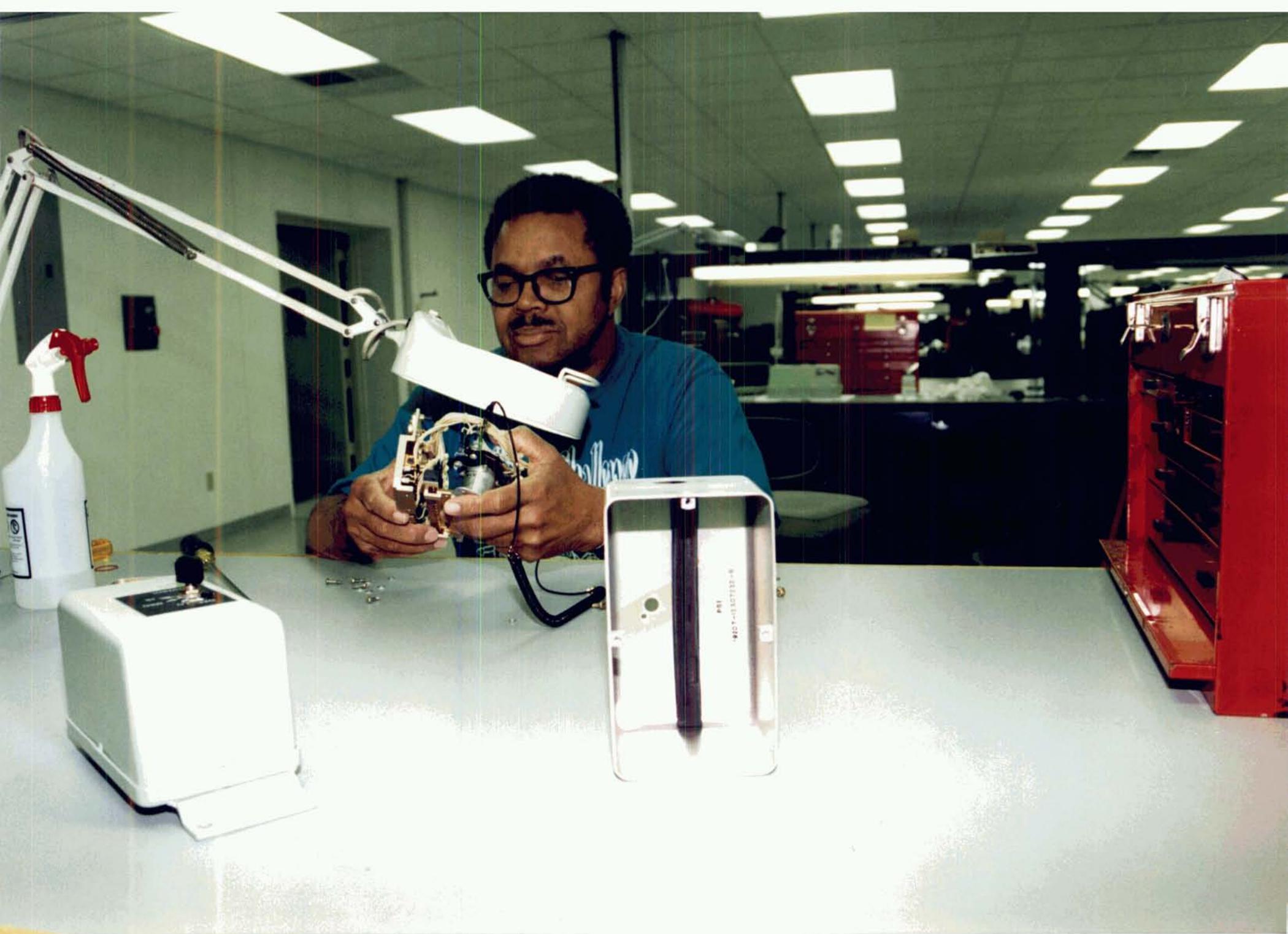


We
Support
The
Soldier

- **State-of-the-Art Sheet Metal Working Facility**

- **Contains Specialized Equipment**
 - ▶ **Computer Numerical Control Precision Plate Saw**
 - ▶ **Computer Numerical Control Plasma-Arc Cut/Punch Machine**
 - ▶ **Computer Numerical Control Lathe**
 - ▶ **Computer Numerical Control Milling Machines**
 - ▶ **Laser**

- **Provides Capability for Prototypes**
 - ▶ **Light Armored Vehicle**
 - ▶ **Opposing Forces Surrogate Vehicle**
 - ▶ **M113 Stretch**
 - ▶ **Air Force - Explosive Ordnance Disposal Vehicle**





AIR DEFENSE AND LAND COMBAT SYSTEMS REPAIR FACILITY



We
Support
The
Soldier

- **Provides for the Repair/Overhaul of:**
 - ▶ **Missile Guidance Systems**
 - ▶ **Launcher Systems**
 - ▶ **Circuit Boards**
 - ▶ **Radar and Fire Control Systems**
 - ▶ **Aircraft Armament Subsystems (COBRA and Apache Helicopters)**

- **Live Fire Testing of 20mm Cannon**





VEHICLE TEST TRACK AND FACILITIES



We
Support
The
Soldier

- **Recently Modernized 1.0 Mile Oval**
- **Banked Turns for Speed**
- **Retainer Walls on Turns for Safety**
- **Track Widened for Multiple Vehicle Testing**
- **Four Bay Facility - For Final Inspection Before Shipment**
- **Supports Defense Logistics Agency**