



**Directorate of Public Works  
Installation Plan  
FY 2002 – 2006**

# **Directorate of Public Works**

## **Installation Plan**

**FY 2002 – 2006**

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## DPW Plan FY02 Strawman

FY 2002

### 1. Repair Projects:

Project Description	Cost (\$000)
Construct ACS Outreach Center at the Southwest Corner of Guam and Corregidor Avenues, PR 00-0348	430
Convert Building 800 to Armstrong Hall Education Center Annex, Phase 1, Golden Kastle, PR 97-1374	115
Construct Operations Facility for the 754 <sup>th</sup> Ordinance and the Fire Academy PEB in the 2500 Area, Phase 1, Golden Kastle	135
Replace Roofs, Buildings 259 and 1210, PR 00-0932 (259)	275
Replace Roofs, Buildings 551 and 2700 (Cafeteria/JCALs Area), PR 00-1230 (2700)	215
Perform Periodic Maintenance on Roof Trusses, Miscellaneous Buildings	40
Replace Fire Detection System, Gibbs Hall, Building 2000	50
Replace Fire Detection System, Building 291, PR 00-0833	30
Replace Fire Detection System, Building 2707, PR 01-0326	75
Convert Building 800 to Armstrong Hall Education Center Annex, Phase 2, Replace HVAC System, PR 97-1374	350
Install Additional Restrooms for PMO, Building 977, PR 01-1015	125
Relocate Hope Road Traffic Light from Laboratory Road to Corregidor Road	100
Postwide Striping	75
Repair/Replace Concrete and Asphalt, Miscellaneous Locations	150
Install Parking Lot Lighting, Building 555	25
Replace Handicap Ramps, Expo Theater, Building 1215, PR01-1001	100
Replace Elevator and Controls, Buildings 277, PR 99-0361	176
Repair Elevator #2, Myer Center, Building 2700	175
Repair Curbs, Sidewalks and Repave North Parking Lots, Buildings 1200-1202, PR 97-0700	300
Revitalize Restrooms, Phase 1, Myer Center, Building 2700	100
Replace Floor Surface, Cross Corridor Buildings 1208/1209, PR 00-1081	
Exterior Repair with STO System and Interior Repair, Gibbs Hall, Building 2000, PR 96-0712	275
Install Central Air Conditioning, Building 283, Phase 1, PR 99-0526	404
Improve/Modify HVAC, Building 1207 VTC Room, PR 01-0168	25
Upgrade Control Room, Building 1206, PR 01-0261	40

Replace HVAC Package Unit, Building 676, PR 00-0088	25
Install HVAC In Free Weight Area, Building 114, PR 98-1017	75
Replace HVAC in Basement and Upgrade HVAC and Controls Throughout Russel Hall, Building 286, PR 96-0271	50
Replace Windows and Exterior/Interior Repairs, Building 1202W and 1202 E, West Elevation, PR 01-0475	1,450
Exterior Repair with STO System and Replace Windows, Buildings 1108, 1109 & 1110, PR 96-1338	567
Expand Parking Lot at Child Development Center, Building 2290, PR 00-0647	30
Construct Fitness Center Parking Lot at Former Building 695 Site	125
Power Wash Exterior STO/DRYVIT Finish and Repair Sealant, Miscellaneous Buildings, PR 00-0897	100
Re-point and Waterproof Brickwork, Miscellaneous Buildings	150
Replace Emergency Generator and Transfer Switch, Russel hall, PR 02-0154	350
Renovate Building 281 for Access Control, Security and Life Safety Systems Operation and Maintenance Shops	100
Repair Audio/Visual Services Facility, Myer Center, Building 2700	250
Repair and Pave Saltzman Avenue Including Entrance Improvements to Buildings 565 and 563, Wilson Avenue to Sanger Avenue	300
Replace Existing Chain Link Fence with an Architectural Style Fence Along NJ State Route 35	350
Repair and Pave Hazen Drive	200
Install Trees and Landscaping at East Gate, 400 Area Side	25
Landscape Improvements, Buildings 1150 and 1152	25
Replace Seating, Expo Theater, Building 1215, PR 97-1054	150
Construct Soldier Community/Recreation Building for BEQ Buildings 361 and 362, PR 00-0378	600
Total	8837

## DPW Plan FY02 Reimbursable Strawman

**FY 2002**

### 1. Repair Projects:

Project Description	Cost (\$000)
Modernize Gibbs Hall Kitchen, Building 2000	(N) 1,600
Revitalize Bay 6, Building 2525 for PM ATCCS, PR 00-0754	(R) 900
Construct Elevator at Bays 2/3 at Building 2525, PR 01-0478	(R) 250
Relocate Dental Clinic From Building 814 to PAHC, Building 1075, PR 01-0497	(R) 300
Construct Addition to Anechoic Chamber, I2WD, Building 600	(R) 1,200
Replace HVAC with a Geo-thermal Heating and Cooling System 1 <sup>st</sup> Floor Bay 1 and 2, Building 2525, PR02-0027	(R) 400
Construct Addition to Building 2539, PR 01-0332	(R) 350
Install Bathroom, Building 2718, PR 00-1144	(R) 25
Revitalize 2 <sup>nd</sup> & 3 <sup>rd</sup> Floors, Building 1209 for SEC, Phase 1, PR 97-0628	(R) 500
JTRS Integration Lab, RM 4C317, Myer Center, Building 2700	(R) 10
Replace A/C System, 4 <sup>th</sup> Floor, 200 Area Core for DIL, Myer Center, Building 2700	(R) 150
Replace MR #42, HVAC, Myer Center, Building 2700	(R) 350
Improve HVAC, 3 <sup>rd</sup> Floor, 300 Area for C2sid, Myer center, Building 2700	(R) 150
Improve Shielded Enclosure, EMI Compatibility, RM 4D310, Myer Center, Building 2700	(R) 89
Revitalize Restrooms, Phase 1, Myer Center, Building 2700	(R) 219
Replace Building 1220 Central Steam Plant Heating with Modular Heating, Buildings 1150, 1152, 1200, 1201, 1202, 1203, 1206, 1207, 1208 and 1212 Via Area Wide Contract with New Jersey Natural Gas	(A) 1,500
Install an Energy Monitoring and Control System Throughout Fort Monmouth Via Area Wide Contract with New Jersey Natural Gas	(A) 2,500
Construct Battery Test Facility Adjacent to Building 2704	(R) 1,500
Construct Addition for Fabrication/Integration and Fielding Laboratory, Building 602	(R) 300
Replace Office Trailers with Permanent Office Space, Adjacent to Building 602	(R) 450
Replace Westinghouse 6300 Host Computer and Install Redundant Backup System for Westinghouse 6300 Access Control/Intrusion Detection Host, PR 00-1157	(FP) 500
Install Bio-metric Access Control System, Building 2525	(R) 100
Install Bio-metric Access Control System, Building 2705, PR 01-0351	(R) 43

Install Access Control System, Patterson Army Health Clinic, Building 1075	(R)	90
Landscape Improvements, Myer Center, Building 2700 Front Entrance, PR 00-0655	(R)	5
Landscape Improvements, Building 2705	(R)	10
Total		12,051

# Roof Systems

## INTRODUCTION

The goal of the DPW roofing program is to provide maintenance free roofing systems on all building throughout Fort Monmouth. This ongoing process is being accomplished by specifying the use of EDPM membrane and raised seam metal roofing systems on commercial/industrial buildings whenever roof replacement is required. Additionally, shingle roofs are replaced with those that meet high performance criteria and match the installation color scheme.

## DISCUSSION

Generally roofing is in good condition on Fort Monmouth facilities. Significant investments in FY 2000 included replacing shingled roofs on the "Gear-to-Go" facility and the Main Post Fire Station. Several key buildings with built-up or EPDM roof systems, including the Post Office Facility, Bldg 2704 and the North Wing of Bldg 1201 were also funded in FY 2000. The roof to the South Wing of Bldg 455 was also replaced as a reimbursable effort funded by the building occupants. Efforts continue to perform essential maintenance on roof systems, however funding is insufficient to ensure roof systems achieve their full expected life before replacement becomes necessary.

## FY 2000 (ACTUAL)

### 1. Repair Projects:

Project Description	Cost (\$000)
Correct Truss Dead Load Deficiency by Removing Concrete Ceiling, Buildings 2525	60
Replace Roofs, Buildings 209, 277 and 281	95
Replace Roofs, Buildings 699, 1123, and 1207/1208 Cross Corridor	75

**FY 2001 (ACTUAL)**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Roof, Building 455	(R) 66
Replace Roofs, Buildings 282, 289, 293 and 801, PR 00-1101	88
Replace Roof, Building 1005, PR 01-0941	57
Replace Roof, Building 2704, PR 00-1232	37
Replace Roof, Buildings 1201N	56

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Perform Periodic Maintenance on Roof Trusses, Miscellaneous Buildings, PR 01-0933	23

**FY 2002**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Roofs, Buildings 259 and 1210, PR 00-0932 (259)	275
Replace Roofs, Buildings 551 and 2700 (Cafeteria/JCALs Area), PR 00-1230 (2700)	215

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Perform Periodic Maintenance on Roof Trusses, Miscellaneous Buildings	40
Coat Built Up Roofs, Replace Flashings and Sealants on EPDM roofs, Miscellaneous Buildings, PR 00-0899	100

**FY 2003**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Roofs, Buildings 114, 167 and 2000 (Ballrooms)	250
Replace Roofs, Buildings 1213 and 1214	100

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Perform Periodic Maintenance on Roof Trusses, Miscellaneous Buildings	40
Coat Built Up Roofs, Replace Flashings and Sealants on EPDM roofs, Miscellaneous Buildings	70

**FY 2004**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Roof, Building 1209, PR 93-0145	250

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Perform Periodic Maintenance on Roof Trusses, Miscellaneous Buildings	40
Coat Built Up Roofs, Replace Flashings and Sealants on EPDM roofs, Miscellaneous Buildings	100

**FY 2005**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Perform Periodic Maintenance on Roof Trusses, Miscellaneous Buildings	40
Coat Built Up Roofs, Replace Flashings and Sealants on EPDM roofs, Miscellaneous Buildings	100

FY 2006

1. Repair Projects:

Project Description	Cost (\$000)

2. Maintenance Projects:

Project Description	Cost (\$000)
Perform Periodic Maintenance on Roof Trusses, Miscellaneous Buildings	40
Coat Built Up Roofs, Replace Flashings and Sealants on EPDM roofs, Miscellaneous Buildings	100

LONG RANGE

1. Repair Projects:

Project Description	Cost (\$000)
Replace Roofs, Buildings 1001, 1002 and 1003	175

# Architectural Systems

## INTRODUCTION

The DPW plans to improve and maintain the appearance of all buildings on Fort Monmouth and to provide facilities which increase the efficiency of the workforce, provide a safe/comfortable work environment, and improve the services available to our customers. All metal, masonry, stucco and vinyl sided buildings will be clad with an EIFS system. All new window systems will be high performance/energy efficient. A force protection measure to consider blast resistant glazing will be included in all future window replacement.

## DISCUSSION

Most of the major exterior EIFS building finish improvements including window replacements occurred in the early to mid 1980's. Additionally all the World War II buildings to be retained for the foreseeable future received vinyl siding and new windows in FY 96 which greatly reduced the maintenance and operation costs for these buildings. Federal Energy Management Funding was received in FY 1997 for a major project now completed to install an Exterior STO system and replace the windows on Building 2525.

The first of the projects to replace the windows in Buildings 1200 – 1205 was funded in FY 1999 for Building 1200. Funding to replace the windows of the East elevations of Bldg 1202 was funded in FY 2001. This was the only Installation Plan Architectural Systems project funded in FY 2001. Both of these projects include the installation of blast resistant glazing. A proposed FY 2001 MILCON Project for the USMAPS Campus, Buildings 1204/1205 should replace the windows in those buildings and they can then be dropped from the DPW Installation Plan.

Future projects are planned to continue installing low maintenance EIFS systems on various building throughout the installation. One major project that has been recently added to the plan is the installation of an EIFS system on the Myer Center. This project has been placed in the FY 2003 plan because the finish system on the existing metal siding system is failing and can't be refinished.

**FY 2000 (ACTUAL)**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Exterior Repair, Building 1123	35
Exterior Repair, Building 2501	24

**FY 2001 (ACTUAL)**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Windows and Exterior/Interior Repairs, Building 1202E, East Elevations, PR 01-0475	429
Install STO Finish, Building 2019, PR 01-785	7

**FY 2002**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Exterior Repair with STO System and Interior Repair, Gibbs Hall, Building 2000, PR 96-0712	275
Replace Windows and Exterior/Interior Repairs, Building 1202W and 1202 E, West Elevation, PR 01-0475	1,450
Exterior Repair with STO System and Replace Windows, Buildings 1108, 1109 & 1110, PR 96-1338	567

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Power Wash Exterior STO/DRYVIT Finish and Repair Sealant, Miscellaneous Buildings, PR 00-0897	100
Re-point and Waterproof Brickwork, Miscellaneous Buildings	150

**FY 2003**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Exterior Repair with STO System, Buildings 1122 and 1152	150
Replace Windows and Exterior/Interior Repairs, Building 1201-W, PR 01-0477	900
Exterior Restoration of Russel Hall Building 286, PR 97-1201/98-1201	388
Replace Windows and Doors, Building 1123	75
Repair Exterior with STO, Replace Windows and Enclose Soffits/Fascia, Building 497	50

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Power Wash Exterior STO/DRYVIT Finish and Repair Sealant, Miscellaneous Buildings	100
Re-point and Waterproof Brickwork, Miscellaneous Buildings	150

**FY 2004**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Windows and Exterior/Interior Repairs, Building 1201E, PR 01-0483	1,000
Upgrade Exterior Finish with EIFS System, Buildings 288, 291, 295 and 296	350
Repair Brickwork, Buildings 689 and 1005	100

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Power Wash Exterior STO/DRYVIT Finish and Repair Sealant, Miscellaneous Buildings	100
Re-point and Waterproof Brickwork, Miscellaneous Buildings	150

**FY 2005**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Windows and Exterior/Interior Repairs, Building 1201W	900
Upgrade Exterior Finish with EIFS System, Buildings 800, 801, 899 and 1212, PR 96-0252	400

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Power Wash Exterior STO/DRYVIT Finish and Repair Sealant, Miscellaneous Buildings	100
Re-point and Waterproof Brickwork, Miscellaneous Buildings	150

**FY 2006**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Windows and Exterior/Interior Repairs, Building 1203E	1,000
Upgrade Exterior Finish with STO System, Buildings 550, 563 and 555	300
Repair Exterior with STO System, Buildings 200, 671, 689, 1220, and 1221	300

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Power Wash Exterior STO/DRYVIT Finish and Repair Sealant, Miscellaneous Buildings	100
Re-point and Waterproof Brickwork, Miscellaneous Buildings	150

**Long Range**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Windows and Exterior/Interior Repairs, Building 1203W	900
Replace Windows North Elevation, Building 1207	300
Exterior Repair with STO System, Building 814	100
Exterior Repair with STO System and Replace Windows and Doors, Post Gas Station, Building 699, PR 00-0890	100
Exterior Repair with STO System, PX Buildings 1000, 1001, 1002 and 1003	500
Replace Windows and Exterior/Interior Repairs, Building 1204E	800
Replace Windows and Exterior/Interior Repairs, Building 1204W	750

# Mechanical Systems

## INTRODUCTION

Building mechanical systems must provide comfortable and reliable Heating Ventilating and Air Conditioning (HVAC) for Fort Monmouth military and civilian personnel. These building mechanical systems must also be characterized as energy efficient and maintenance free.

## DISCUSSION

Initiatives and specific design parameters have been identified to enable this vision to be realized:

- Eliminate central steam plants
- Reduce the number of hot water heating systems
- Design new/replacement systems using gas fired, forced hot air
- Design DDC control systems for significant buildings
- Standardize automatic temperature control (ATC) systems
- Utilize ground coupled heat pumps (GCHP) for heating and cooling

A series of projects are planned to eliminate the Building 1220 Boiler Plant by providing individual heating systems to Buildings 1150, 1200, 1201, 1202, 1203, 1206, 1207, 1208 and 1212, as well as replacing the air conditioning system in Building 1152. The Area Wide Contract Agreement Feasibility Study was awarded 9 Oct 2001 to NJNG and will be followed with awards for Final Design and Construction. All work will be completed by mid-Oct 2002. Buildings 1209 and 1210 are being removed from the boiler plant as part of a FY 1999 MILCON project to Construct an Addition to Building 1210 for SEC. Buildings 1204 and 1205 are being removed from the boiler plant as part of a planned FY 2002 MILCON project to Modernize the USMAPS Campus. This project will install Geo-Thermal Heating and Cooling ground coupled heat pumps in lieu of individual heating plants.

A project to install geothermal heating and cooling in the second floor of Bay 1, Building 2525 was funded this year. Completion of the geothermal heating and cooling replacements of failed systems for the remainder of this building (Bay 1, first floor and Bay 6) are planned for FY02 and FY03. Major HVAC replacement is planned for Building 283 over two fiscal years starting in FY02 and FY03.

Many of these projects can only be accomplished with customer funds, and are designated with the symbol "(R)" in the cost column. Numerous other mechanical system repair and/or replacement requirements will be accomplished as part of large facility revitalization projects.

**FY 2000 (ACTUAL)**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Automatic Temperature Control System, PAHC, Building 1075	(R) 200

**FY 2001 (ACTUAL)**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install Sprinkler System in Dorm Rooms, Building 1203, PR 00-0713	(R) 30
Replace Condensate Drain Line, Building 552, PR 98-0677	27
Install truck exhaust system in Fire Headquarters Station truck bays, Building 282, PR 00-0643	32
Replace HVAC Insulation, Gibbs Hall, Building 2000, PR 01-0675	7

**FY 2002**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Building 1220 Central Steam Plant Heating with Modular Heating, Buildings 1150, 1152, 1200, 1201, 1202, 1203, 1206, 1207, 1208 and 1212 Via Area Wide Contract with New Jersey Natural Gas	(A) 1,500
Install an Energy Monitoring and Control System Throughout Fort Monmouth Via Area Wide Contract with New Jersey Natural Gas	(A) 2,500
Replace HVAC with a Geo-thermal Heating and Cooling System 1 <sup>st</sup> Floor Bay 1, Building 2525, PR02-0027	(R) 150
Install Central Air Conditioning, Building 283, Phase 1, PR 99-0526	404
Replace HVAC in Basement and Upgrade HVAC and Controls Throughout Russel Hall, Building 286, PR 96-0271	50
Improve/Modify HVAC, Building 1207 VTC Room, PR 01-0168	25
Replace HVAC Package Unit, Building 676, PR 00-0088	25
Install HVAC In Free Weight Area, Building 114, PR 98-1017	75

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2003**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace HVAC with a Geo-thermal Heating and Cooling System 1 <sup>st</sup> Floor Bay 2, Building 2525, PR 01-0479	150
Install Central Air Conditioning, Building 283, Phase 2, PR 99-0526	600
Install Central A/C and Replace Windows, Building 277, PR 00-0357	586
Replace Air Handler Unit, Building 671	50
Replace Liebert A/C Unit, First Floor Switch Gear Room, Building 1150, PR 01-0558	20
Install Ventilation System, Building 501, PR 98-0613	50

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2004**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install Air Conditioning and Ventilation Systems In USMAPS Kitchen, Building 1205, PR 01-0161	350
Replace Boilers, Buildings 259, 270, 283 and 296	150
Replace A/C Unit, Building 270, 01-0558	100
Extend Ductwork / Install Air Conditioning, Buildings 289 & 290, PRs 00-1043 (289) & 00-1042 (290)	15

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2005**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Boilers, Buildings 360, 361, 362 and 363	240
Replace HVAC, Building 209, PR 99-0099	1,000

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2006**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace HVAC, Buildings 551 and 1010	400
Replace Heating System, Buildings 280 and 281, PR 99-0575	75
Install Heating System, Building 279, PR 99-0575	100
Replace HVAC System, EXPO Theater, Building 1215	500

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**LONG RANGE**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace/Upgrade HVAC, Community Center, Building 552, PR 98-1246	250
Replace HVAC Ductwork, Bowling Center, Buildings 689	500
A/C Director's Suite, Building 1210, PR 97-1220	(R) 60
Construct CNG Refueling Facility, Building 750, PR 98-0757	300
Install A/C, Building 414, PR 97-0903	50
Install Air Conditioning in Equipment Bay, Building 490	75
Replace Chiller Unit, Dental Clinic, Building 814, PR 97-0070	250
Replace Vacuum System, Dental Clinic, Building 814, PR 99-0632	(R) 350
Replace Steam Traps, Steam Distribution System	50

# Electrical Systems

## INTRODUCTION

The exterior and interior electrical systems must provide safe and reliable power to all Fort Monmouth facilities.

## DISCUSSION

Initiatives and specific design and maintenance parameters have been identified to enable this vision to be realized:

- Replacement and upgrade of building services
- Replacement and upgrade of street and parking lot lighting systems to provide for security and safety of personnel
- Installation of emergency generators at facilities requiring continuous power during emergencies
- Installation of power filters and monitors on circuits that feed PCs
- Installation of three phase panels during interior renovations to ensure balancing of loads
- Installation of standardized parking lot lighting providing for personnel security

## FY 2000 (ACTUAL)

### 1. Repair/Improvement Projects:

Project Description	Cost (\$000)

### 2. Maintenance Projects:

Project Description	Cost (\$000)

**FY 2001 (ACTUAL)**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install New Communication Shelter, East Gate	(R) 275
Install Emergency Generator for the Emergency Operations Center, Building 1209, PR 00-0454	337
Replace Street Lighting, Saltzman and Sherrill Avenues	60
Install Telcom/Cable TV Pathways, Russel and Carty Avenues	30
Grounding System, Building 200	10
Install Elevator Pit Alarm, Myer Center, Building 2700	5

**FY 2002**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Relocate Hope Road Traffic Light from Laboratory Road to Corregidor Road	100
Install Energy Efficient Interior Lighting, 900 and 1100 Area Buildings	30
Replace Street Lighting, Russel Hall Area	30
Replace Street Lighting, Myer Center Area	40
Replace Emergency Generator and Transfer Switch, Russel Hall, Building 286, PR 02-0154	350
Realign Hemphill Field Lighting	10
Install Generator Set, Building 166	25
Replace Substation Batteries, Myer Center, Building 2700	20
Install Parking Lot Lighting, Building 555, PR 98-0190	25

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Upgrade Surge Protection, Squire Hall, Building 283	42
Thermal Imaging in 1200 Area	16

**FY 2003**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Street Lighting, Fitness Center Area	20
Replace Street Lighting, Patterson Army health Clinic Area	50
Replace Street Lighting, Allen/Russel Avenues	60
Replace Electrical Services Throughout 400 Area	40

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Upgrade TVSS Protection, 1100 Area	30

**FY 2004**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Street Light Arc Circuit, East of Wilson Avenue, Phase 3	20
Replace Street Light Arc Circuit, Russel, Allen, Carty and Gosselin Avenues	30
Replace Interior Lighting, Buildings 117 and 975	50

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

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**FY 2005**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Emergency Generator, Building 282, PR 94-0306	100
Replace/Upgrade Dean Field Lighting	200
Install New Lighting, Building 2705	40

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2006**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Street Lighting, Gibbs Hall Area	30
Replace Street Lighting, Pearl Harbor Road	30
Install Parking Lot Lighting, Gibbs Hall Area	30
Lighting and Circuit Upgrade, Squire Hall, Building 283	20

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**LONG RANGE**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Dean Field Lighting	200
Install Lighting at 800 Area Football Field	150
Replace Street Lighting, Laboratory Road	40
Replace Street Lighting, Avenue of Memories	100

# Facility Revitalization and Improvements

## INTRODUCTION

The goal of DPW facility revitalization and improvement projects is to create excellent facilities that support the mission and provide a safe and healthy quality of life for all Fort Monmouth personnel. The intent is to provide the finest, efficient, easily maintained, and professional facilities and workspaces possible by coordinating and maximizing to the fullest extent possible all available financial resources.

## DISCUSSION

The overall quality of Fort Monmouth facilities is good and was achieved largely as a result of the major investments made to implement BRAC 93 and BRAC 95. Also our customers have continued to make significant investments in their own facilities for mission and quality of life. This strong partnership with our customers in planning for the future must continue to achieve success in these continuing years of funding shortfalls. A major initiative that will play a large role in planning for the future is developing an investment master plan focused solely on the Myer Center and the outlying RDEC facilities. This plan will be developed with the RDEC and other major activities located in the Myer Center. Part IV of the DPW Installation Plan now contains all RDEC projects. Projects anticipated to be funded with customer funds are designated with the symbol "(R)". Projects funded with Environmental funds are designated with the symbol "(E)".

### FY 2000 (ACTUAL)

#### 1. Repair/Minor Construction Projects:

Project Description	Cost (\$000)
Revitalize Bays 3 and 5, Building 2525 for PM ATCCS, PR00-0754	(R) 1,825
Pruden Hall Entrance Corridor Improvements, Building 1207	25
Replace 1200 Area Avenue of Memories Bus Stop	20
Alterations to Building 482 for Environmental Hazardous Material Management	(E) 592
Waterproof Ground Floor Areas with EOP System, Buildings 1208 and 1209	130
Replace/Replace Elevator Controls, Buildings 283 (2), PR 99-0361	214

**FY 2001 (ACTUAL)**

**1. Repair/Minor Construction Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Construct Sports Bar, Building 2018, PR 01-0174	(O) 304 (N) 397
Revitalize Bay 4, Building 2525 for PM ATCCS, PR 00-0754	(R) 965
Revitalize Bay 1, 2nd Floor, Building 2525 for PM FABCB2, PR 01-0307	(R) 250
Renovate 2 <sup>nd</sup> and 3 <sup>rd</sup> Floor Restrooms, Building 1209, PR 97-0628	(R) 172
Revitalize Restroom and Offices for HQ Command, Building 616, PR01-0896	19
Revitalize Restrooms, Building 167	38
Revitalize Barracks for Augmentation Force, Building 205	250
Replace Bay Door, Building 750, PR 01-1858	15
Replace Stain Glass Windows, Post Chapel, Building 500, PR 00-0460	6
Replace Carpet, Fellowship Hall, Building 500, PR 01-0678	10
Repair 2 <sup>nd</sup> Floor Shower Room Floors, Building 114, PR 00-0491	28
Install Handicap Restrooms at Expo Theater, Building 1215, PR01-0887	24

**FY 2002**

**1. Repair/Minor Construction Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Modernize Gibbs Hall Kitchen, Building 2000	(N) 1,600
Revitalize Bay 6, Building 2525 for PM ATCCS, PR 00-0754	(R) 900
Relocate Dental Clinic From Building 814 to PAHC, Building 1075, PR 01-0497	(R) 300
Install Bathroom, Building 2718, PR 00-1144	(R) 25
Construct Addition to Building 2539, PR 01-0332	(R) 350
Construct Elevator at Bays 2/3 at Building 2525, PR 01-0478	(R) 250
Revitalize 2 <sup>nd</sup> & 3 <sup>rd</sup> Floors, Building 1209 for SEC, Phase 1, PR 97-0628	(R) 500
Convert Space for DCSINT in Building 1201	(R) 100
Construct ACS Outreach Center at the Southwest Corner of Guam and Corregidor Avenues, PR 00-0348	430
Convert Building 800 to Armstrong Hall Education Center Annex, Phase 1, Golden Kastle, PR 97-1374	115
Convert Building 800 to Armstrong Hall Education Center Annex, Phase 2, Replace HVAC System, PR 97-1374	350

Construct Operations Facility for the 754 <sup>th</sup> Ordinance in the 2500 Area, Phase 1, Golden Kastle	135
Install Additional Restrooms for PMO, Building 977, PR 01-1015	125
Replace Seating, Expo Theater, Building 1215, PR 97-1054	150
Replace Handicap Ramp Walkways, Expo Theater, Building 1215, PR01-1001	100
Replace Elevator and Controls, Buildings 277, PR 99-0361	176
Replace Floor Surface, Cross Corridor Buildings 1208/1209, PR 00-1081	40
Upgrade Control Room, Building 1206, PR 01-0261	40
Replace Existing Chain Link Fence with an Architectural Style Security Fence Along Avenue of Memories Adjacent to Storage-USA Complex	315

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2003**

**1. Repair/Minor Construction Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Revitalize 2 <sup>nd</sup> & 3 <sup>rd</sup> Floors, Building 1209 for SEC, Phase 2, PR 97-0628	(R) 500
Construct Elevator at Bays 4/5 at Building 2525	(R) 250
Construct FCC Support Programs and Services Buildings at the Southwest Corner of Guam and Corregidor Avenues, PR 00-0450	450
Convert Building 800 to Armstrong Hall Education Center Annex, Phase 3, Golden Kastle, PR 97-1374	250
Construct Operations Facility for the 754 <sup>th</sup> Ordinance in the 2500 Area, Phase 2, Golden Kastle	250
Replace Elevator and Controls, Buildings 209, PR 99-0361	150
Install Handicapped Access, Main Entrance, Building 283, PR 01-0438	200
Revitalize Restrooms Including Handicap Access, Building 270, PR 01-0934	75
Revitalize Russel Hall Restrooms, Building 286	150
Renovate War Memorial, Greely Field, PR01-0712	100
Upgrade Restrooms for Handicapped Accessibility , Building 500, PR	25

00-0840	
Modernize Restrooms, Building 551, PR 01-0672	100
Waterproof Basement with EOP System, Building 209, PR 00-0345	90
Construct Entrance Vestibule for Elevator Lobby, Building 1207, PR 00-0673	40
Renovate Building 281 for Access Control, Security and Life Safety Systems Operation and Maintenance Shops	100
Replace Existing Chain Link Fence with an Architectural Style Security Fence Along NJ State Route 35	350

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2004**

**1. Repair/Minor Construction Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Revitalize 2 <sup>nd</sup> and 3 <sup>rd</sup> Floors, Building 1209 for SEC, Phase 3	(R) 500
Convert Building 800 to Armstrong Hall Education Center Annex (Golden Kastle)	150
Replace Elevator and Controls, Buildings 286	170
Expand Restrooms at Expo Theater, Building 1215	150
Convert Building 814 to USMAPS Football Complex Support Facility	450
Revitalize Carpenter, Sheet metal and Welding Shop, Building 280	200
Construct Ammunition Storage Facility	205
Replace Overhead Garage Doors, Building 750	100
Revitalize Transportation Office Building 492, PR 97-0972	400
Replace Existing Chain Link Fence with an Architectural Style Fence Along Hope Road	350
Renovate Buildings 410, 419, 420, 427 and 429 for SSEB's	400
Construct Handicapped Access Building 1200	100
Renovate Building 2705 for PM Relocation,	475

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2005**

**1. Repair/Minor Construction Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Construction Connecting Corridors Between Buildings 1204E/W and 1205E/W	500
Renovate Kaplan Hall Museum, Building 275, PR 00-1178 / 96-0261	200
Revitalize Charles Wood Area Pool, Building 2569	250
Replace Bleachers in Fitness Center, Building 114, PR 00-0187	125
Renovate USMAPS HQ Porch Area, Building 1212, PR 89-0609	100
Replace Existing Chain Link Fence with an Architectural Style Security Fence Along Oceanport Avenue	400
Revitalize Community Center, Building 552	750

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2006**

**1. Repair/Minor Construction Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Alterations and Improvements to Create a Conference Center, Building 259	450
Expand Charles Wood Area Pool Deck and Landscaping, Building 2568, PR 00-1045	50
Improve Dean baseball Field Including Replacement of Bleachers, PR 00-1044	150
Replace Existing Chain Link Fence with an Architectural Style Security Fence Along Main Street	500

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**Long Range**

**1. Repair/Minor Construction Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Existing Chain Link Fence with an Architectural Style Security Fence Along Tinton Avenue	500
Install Architectural Style Security Fence Around Golf Course	1,500
Revitalize EXPO Theater, Building 1215	1,000
Alterations to B 490 for DOL Storage Cells	275
Revitalize Outdoor Recreation Facility, Building 801, PR 97-0290	300
Resurface Tennis Courts, Repair Lighting and Fencing, PR 99-0825	100
Replace Wood Floor, Physical Fitness Center, Bldg 114, PR 96-0762	250
Install Equipment Lift, Building 1201 East, PR 97-1325	(R) 65
Construct Recreation Storage Facility 800 Area, PR 93-0837	300

Construct Covered Walkway Between Commissary and PX, PR 97-1125	250
Revitalize PX Canopy and Main Entrance, Buildings 1000, 1001, 1002 and 1003, PR 00-1064	500
Expand Pharmacy at PAHC, Building 800	400
Re-Design & Modify reception area – Bldg. 677	60

# Fire Protection Systems

## INTRODUCTION

The purpose of this section is to identify requirements for maintenance and repair of fire suppression, fire detection and alarm, kitchen hood suppression and hand held extinguishers throughout the installation. Includes the removal of all Halon 1301 systems from non-critical areas to conform with ODS environmental regulations.

## DISCUSSION

Repairs and upgrades are planned to existing systems as specified by inspection or when a facility is renovated based on projected mission and occupancy and use. New system installations will be projected based on facility renovations or new facility construction IAW Mil-HBK-1008C. Halon system removal is to be accomplished to conform with Ozone Depleting Substance regulations. All installations and inspections are accomplished IAW the National Fire Codes. Fire suppression, fire detection and alarm, and kitchen hood suppression system requirements accomplished as part of facility renovation projects are not listed below. Projects accomplished in house by Fire and Emergency services personnel are identified by "(In House)".

### FY 2000 (ACTUAL)

#### 1. Repair Projects:

Project Description	Cost (\$000)
Install Fire Alarm System, Building 551, PR 00-0896	21
Upgrade Fire Alarm System, Buildings 1077 and 1078, PR 00-0895	35
Repairs to Various Sprinkler Systems, Postwide	15
Repairs to Various Fire Alarm Systems, Postwide	15

#### 2. Maintenance Projects:

Project Description	Cost (\$000)
Test and repair Hood Systems	2
Test Sprinkler Systems (In House)	0
Test Halon Systems	4
Recharge Fire Extinguishers	8
Test Fire Alarm Systems, Buildings 1075, 1210 and 2700	17

**FY 2001 (ACTUAL)**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Fire Alarm System, Building 360	30
Upgrade Fire Alarm System, Building 283, PR 01-0421	(R) 54
Install Fire Alarm, Community Center, Building 552, PR 97-0109	35
Repairs to Various Sprinkler Systems, Postwide	25
Repairs to Various Fire Alarm Systems, Postwide	15

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Test and repair Hood Systems	2
Test Sprinkler Systems (In House)	(IH) 0
Test Halon Systems	4
Recharge Fire Extinguishers	8
Test fire Alarm Systems, Buildings 1075, 1210 and 2700	17

**FY 2002**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Fire Detection System, Gibbs Hall, Building 2000	50
Replace Fire Detection System, Building 291, PR 00-0833	30
Repairs to Various Sprinkler Systems, Postwide	15
Repairs to Various Fire Alarm Systems, Postwide	15
Replace Fire Detection System, Builing 2707, PR 01-0326	75

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Test and repair Hood Systems	2
Test Sprinkler Systems (In House)	(IH) 0
Remove Halon Tanks, Phase 1	20
Test Halon Systems	4
Recharge Fire Extinguishers	8
Test fire Alarm Systems, Buildings 1075, 1210 and 2700	17

**FY 2003**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Upgrade Fire Alarm System, Expo Theater, Building 1215, PR 02-0145	30
Upgrade Fire Alarm System, Fitness Center, Building 114, PR 02-0144	30
Upgrade Fire Alarm, Russel Hall, Building 286	30
Install Fire Detection System, Building 2708, PR 02-0143	15
Repair Fire Pump, Building 2708, JOR 02-0260	12
Repairs to Various Sprinkler Systems, Postwide	15
Repairs to Various Fire Alarm Systems, Postwide	15

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Test and Repair Hood Systems	2
Test Sprinkler Systems (In House)	(IH) 0
Remove Halon Tanks, Phase 2	20
Recharge Fire Extinguishers	10
Test Fire Alarm Systems, Buildings 1075, 1210 and 2700	17

**FY 2004**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Upgrade Fire Alarm System, Building 277, PR 02-0142	30
Install Fire Alarm System, Building 450	15
Upgrade Fire Alarm System, Building 1123, PR 02-0141	20
Install Fire Alarm System, Buildings 2709 and 2710, PR 02-0140	10
Repairs to Various Sprinkler Systems, Postwide	15
Repairs to Various Fire Alarm Systems, Postwide	15

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Test and Repair Hood Systems	3
Test Sprinkler Systems (In House)	(IH) 0
Recharge Fire Extinguishers	10
Test Fire Alarm Systems, Buildings 1075, 1210 and 2700	17

**FY 2005**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Upgrade Fire Alarm System, Building 361	20
Upgrade Fire Alarm System, Building 362	20
Upgrade Fire Alarm System, Building 364	10
Repairs to Various Sprinkler Systems, Postwide	15
Repairs to Various Fire Alarm Systems, Postwide	15

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Test and Repair Hood Systems	2
Test Sprinkler Systems	(IH) 0
Recharge Fire Extinguishers	8
Test Fire Alarm Systems, Buildings 1075, 1210 and 2700	17

**FY 2006**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Upgrade Fire Alarm System, Building 271	20
Upgrade Fire Alarm System, Building 3651	30
Repairs to Various Sprinkler Systems, Postwide	15
Replace Sprinkler Heads, Buildings 600 and 601, PR 01-0032	30
Repairs to Various Fire Alarm Systems, Postwide	15

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Test and Repair Hood Systems	2
Test Sprinkler Systems (In House)	(IH) 0
Recharge Fire Extinguishers	8
Test Fire Alarm Systems, Buildings 1075, 1210 and 2700	17

**LONG RANGE**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install Post Gas Station Fire Alarm System, Building 699	15
Replace Sprinkler Heads, Building 1075, PR 01-0323	15
Replace Sprinkler Heads, Building 210, PR 01-0324	15
Replace Fire Alarm System, Building 361, PR 01-0325	50
Upgrade PX Fire Alarm System, Building 1000, PR 93-0410	30

# Access Control/Security Systems and Force Protection

## INTRODUCTION

The DPW goal is to create and installation wide security and access control system operating on the Westinghouse 6300 System which is recognized as the Fort Monmouth Force Protection foundation. Major strides have been made in this goal as a result of BRAC 93 projects and concurrent projects funded by our Fort Monmouth customers. As an example a majority of the 1200 Area complex is now managed by the Westinghouse 6300 including SCIFS and access control. The system operates both security and access control with PMO monitoring security systems and the DPW monitoring access control systems.

## DISCUSSION

The access control systems are major manpower savers for security and police and plans are for future building modernization's to include access control systems. The DPW has merged the access control system with the key and lock control operations to take advantage of the significant savings in locksmith services as a result of these automated systems. The results of combining these operations have already resulted in the reduction of one locksmith position during FY 98. The projects following do not included security or access control systems installed as part of major facility renovation projects.

### FY 2000 (ACTUAL Y2K)

#### 1. Repair Projects:

Project Description	Cost (\$000)
Upgrade Intrusion Detection System, Building 1000	30
Upgrade Access Control System, Building 209	24

**FY 2000 (ACTUAL)**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install Card Access, Building 600, PR 01-0996	(R) 15
Install IDS and Access Control System, Building 917	30

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2001 (ACTUAL)**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install Access Control System, Buildings 167 and 173, PR 01-0417	(R) 40
Purchase CCTV Materials for 24 Locations Postwide, PR 01-0939	205
Install IDS and CCTV Systems, Building 983, PR 00-0984	15

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2002**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Westinghouse 6300 Host Computer and Install Redundant Backup System for Westinghouse 6300 Access Control/Intrusion Detection Host, PR 00-1157	(FP) 500
Install Bio-metric Access Control System, Building 2525	(R) 100
Install Bio-metric Access Control System, Building 2705, PR 01-0351	(R) 43
Install Access Control System, Patterson Army Health Clinic, Building 1075	(R) 90
Install CCTV Cameras, 24 Locations Postwide, PR 01-0939	350
Install Additional Access Control, Building 1207, PR 00-0308	30
Install Access Control System, Building 166, PR 01-47494	30

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2003**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install CCTV Camera System, Russel Hall, Building 286	20
Install Card Access and CCTV Systems, Building 977	(FP) 30
Install and Configure Mapping in SMS, Building 977	10
Install IDS in Myer Center SSSC, Building 2700, PR 01-0286	15

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2004**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install Access Control System, PEO CCS, 700 Area	(R) 200
Install Access Control System, 900 Area	(R) 200
Install Access Control and IDS, Building 602	(R) 60
Install Access Control IDS and CCTV, Building 918	50
Install IDS System, Room 4D202, Myer Center, Building 2700, PR 01-0363	15

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2005**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Convert Post Wide Access Control system to Digital readers	500
Replace MDI with Westinghouse, Building 1209 and 1210	300

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2006**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

## Roads/Sidewalks

### INTRODUCTION

Roads, parking lots, storage areas and sidewalks must provide an efficient and safe transportation network, convenient and safe employee parking and recreational use and support mission requirements. They must be designed and constructed to be economically maintained and provide a long functional life expectancy.

### DISCUSSION

Initiatives and specific design parameters have been identified to enable this vision to be realized:

- Improve road network to achieve safe and efficient traffic flow
- Reconstruct or repave road network to meet traffic loads and long term maintainability
- Utilize thermoplastic pavement markings to extend restriping cycles
- Overlay all concrete roads and parking areas using cut and seal technology

Perform required maintenance annually to ensure maximum life expectancy of new pavements

### FY 2000 (ACTUAL)

#### 1. Repair Projects:

Project Description	Cost (\$000)
Repair Alexander Avenue adjacent to Buildings 1105 - 1107	24
Resurface Running Track, 800 Area	35
Construct New Parking and Sidewalks at Golf Maintenance Complex, Building 2071	(N) 99

**2. Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Construct Parking Lot for Building 602	(R) 41
Construct Hardstand, Building 602	(R) 28
Parking Lot Improvement, Expansion and Repairs, Building 2525, Phase 1, PR 00-1189	(R) 44

**3. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2001 (ACTUAL)**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Laboratory Road and Parking Lot Improvement, Expansion and Repairs, Building 2525, Phase 2, PR 00-1189	(R) 650

**2. Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Construct Asphalt Pad for USMAPS Athletic Bubble Structure, North Drive, PR 00-0879	139

**3. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Postwide Striping	75

**FY 2002**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Repair Curbs, Sidewalks and Repave North Parking Lots, Buildings 1200-1202, PR 97-0700	300
Repair and Pave Saltzman Avenue Including Entrance Improvements to Buildings 565 and 563, Wilson Avenue to Sanger Avenue	300
Repair and Pave Hazen Drive	200

**2. Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Expand Parking Lot at Child Development Center, Building 2290, PR 00-0647	30
Construct Fitness Center Parking Lot at Former Building 695 Site	125

**3. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Repair/Replace Concrete and Asphalt, Miscellaneous Locations	150
Postwide Striping	75

**FY 2003**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Reconstruct and Widen Wilson Ave Between Ave of Memories and Nicodemus Avenue, PR 00-0886 (Golden Kastle)	152
Repair and Align Laboratory Road, PR 00-0888 (Golden Kastle)	150
Repair and Pave Parking Lot, Building 200 (Golden Kastle)	75
Repair and Pave 1200 Area Route 35 Parking Lot (Golden Kastle)	125

**2. Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Repair and Realign Alexander Avenue, PR 97-1440 (Golden Kastle)	563

**3. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Repair/Replace Concrete and Asphalt, Miscellaneous Locations	150
Postwide Striping	50

**FY 2004**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Repair and Pave Ritko Avenue and Buildings 1207/1208 Loading Dock	150
Repair and Pave North Drive, Buildings 1220 - 1203	150
Repair and Pave Radio Avenue	75

**2. Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Improve East Gate Traffic Flow, PR 92-0924	506

**3. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Repair/Replace Concrete and Asphalt, Miscellaneous Locations	150
Postwide Striping	75

**FY 2005**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Repair and Pave Alexander Ave from Nicodemus Avenue to Wilson Avenue Including Improvements at Lane Hall, Buildings 563 and 699	150
Repair and Pave Derum Avenue	100
Repair and Pave Murphy Drive	150

**2. Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Construct New Parking for the Fitness Center and Reconfigure Nicodemus Avenue	300
Improvements to the Fire Training Center, 2500 Area	204

**3. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Repair/Replace Concrete and Asphalt, Miscellaneous Locations	150
Postwide Striping	50

**FY 2006**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Repave Pearl Harbor Road	150
Repair and Pave Access Road to Buildings 975 and 976	200
Repair, Pave and Incorporate Force Protection Improvements to the Russel Hall Parking Lot, Building 286	150

**2. Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Realign the Intersection of Hazen Drive and Leonard Avenue	50
Construct Access Road from Malterer Ave to Murphy Via New Commissary Parking Lot	93
Pave 800 Area Athletic Field Access Road	100

**3. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Repair/Replace Concrete and Asphalt, Miscellaneous Locations	150
Postwide Striping	75

## LONG RANGE

### 1. Repair Projects:

<b>Project Description</b>	<b>Cost (\$000)</b>
Repair and Pave the Building 750 Motor Pool and Adjacent POV Parking Lots, PR00-0218	350
Repair and Pave Road on East Side of Lane Hall	50
Repair and Pave Oceanport Ave Parking Lot for Buildings 456 and 457	150
Repair and Pave Cockayne Avenue	100

### 2. Improvement Projects:

<b>Project Description</b>	<b>Cost (\$000)</b>
Expand Parking at PMO North Parking Lot, Building 977, PR 00-0218	30
Improvements to Parking Areas, Buildings 199, 563 and 695	175
Reconfigure Commissary/PX Parking Lot and Exits Adjacent to Post Office and Info Center	200
Improve Access and Parking to Building 490 for New Storage Cell	80

# Landscape Plan

## INTRODUCTION

The DPW goal is to provide attractive easy to maintain landscaping throughout the installation in accordance with the Installation Design Guide. The use of low maintenance landscape materials is critical to this effort to ensure landscape areas can be kept attractive with minimal resources. Landscape improvements are accomplished through several means including specific landscape projects, self help projects supported through the Make It Happen Center and as part of major projects, particularly MILCON projects.

## DISCUSSION

The Integrated Natural Resources Management (INRMP) has been completed and provides a new source for planning and programming of future landscape improvement projects. Having an approved INRMP permits the installation to submit funding requests to HQ AMC for qualifying natural resource improvement All landscape projects not included in overall construction, revitalization, MILCON, Major NAF or improvement projects are included below.

### FY 2000 (ACTUAL)

#### 1. Repair Projects:

Project Description	Cost (\$000)
Landscape Improvements, Building 2525	(R) 32
Landscape Improvements, Buildings 271, 361 and 362	53
Install Landscaping at New Charles Wood Fire Station	21
Install Landscaping, Building 166	10
Install Landscaping in Front of Building 277	2
Plant Trees Along Roads, 700 Area	8
Install Landscaping Razor Avenue Gate	7
Install Landscaping, Post Gas Station, Building 699	7

**FY 2001 (ACTUAL)**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install Landscaping at Guest House, Building 365, PR 98-0917	21
Install Landscaping at Building 167, PR 01-0413	7

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2002**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install Trees and Landscaping at East Gate, 400 Area Side	25
Landscape Improvements, Buildings 1150 and 1152	25
Landscape Improvements, Myer Center, Building 2700 Front Entrance, PR 00-0655	(R) 5
Landscape Improvements, Building 2705	(R) 10

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2003**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install Trees and Landscaping on Islands, Parking Lot Between Buildings 2700 and 2525	50
Create Wild Life Habitat at Former Area Bulk Fuel Oil Tanks, 400 Area	100

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Convert Approximately 5 Acres to Wild Flowers	5

**FY 2004**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install Landscaping for New Outreach Center, FCC Offices and Soldier Community/Recreation Troop Facility	45
Install Trees and Landscaping on Islands, Parking Lot Between Buildings 2700 and 2705	50
Landscape Improvements, Buildings 918	10

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2005**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Landscape Improvements, Buildings 616,620 and 671	20
Landscape Improvements, Buildings 1077 and 1078	30
Install Trees and Landscaping on Islands, Parking Lot Across Stephenson Avenue from Patterson Army Health Clinic	40

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2006**

**1. Repair Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install Trees and landscaping throughout the Fire Training Center Complex	50
Install Sprinkler System, 800 Area Athletic Complex, PR 98-0769	40
Install Landscaping, Buildings 616, 620 and 671	20
Install Landscaping in Islands of Commissary Parking Lot, PR 01-0415	20

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

# Utilities

## INTRODUCTION

Fort Monmouth Natural Gas, Water, Wastewater, and Electrical Utility Systems have been considered for Privatization. None-the-less, utility infrastructure improvements have been envisioned. The privatization process complicates the realization of these initiatives; however, capital improvement plans can be included in the Request For Proposal's (RFP'S) being developed. These improvements represent the DPW vision as follows:

- Maintenance of a safe and reliable natural gas distribution system
- Upgrade of Sewage Lift Stations to current NJDEPE standards
- Maintenance of water quality primary/secondary parameters mandated by USEPA
- Reduce aerial clutter by placement of power lines underground
- Provide redundant feeder capacity between substations
- Install underground services to buildings
- Eliminate multiple aerial service to buildings
- Replacement of open wire service entrances and distribution lines with triplex shielded cable
- Installing cross connections between feeders to provide redundancy
- Installing of additional fuse protection to reduce total feeder outages
- Annual infrared survey of all lines
- Annual calibration of Substation switch gear

The premise for utility privatization is that the Army cannot afford to fund it's deteriorated and aging utility infrastructure. Army Policy has dictated that all utility systems be privatized by FY 2003. The following utilities have been or are being investigated and the current status and projected privatization date provided:

- Natural Gas
- Water
- Wastewater
- Electrical

## DISCUSSION

### Natural Gas:

Main Post and Charles Wood Area Natural Gas Systems were privatized in July 1993. NJNG CO. replaced the entire Natural Gas distribution system by August 1994. In return, the government agreed to purchase natural gas from NJNG Co. until

December 31, 2001, under the General Service schedule "GS" (Firm Gas). After 2001, the government can purchase natural gas and NJNG Co. will provide natural gas service available under any rate schedule for which the government qualifies.

**Water and Wastewater Systems:**

The Defense Energy Supply Center (DESC) is providing technical and acquisition support to Army Installations in executing the OSD directive to privatize utilities.

- Current Status: The Water and Wastewater Systems Inventory, Government Cost of Ownership and market Surveys have been completed. DESC is developing the Water and Wastewater Request for Proposal in conjunction with the DPW.
- Projected Privatization Date: Privatization is expected in calendar year 2001.

**Electrical:**

The Defense Energy Supply Center (DESC) is providing technical and acquisition support to Army Installations in executing the OSD directive to privatize utilities.

- Current Status: The Electrical Distribution System Inventory and the Government Cost of Ownership of the Fort Monmouth Electrical Distribution System have been completed. The Market Survey of prospective bidders and development of the RFP are being developed by DPW.
- Projected Privatization Date: Privatization is expected in calendar year 2002.

The following are the planned improvement projects that can be incorporated in the RFP'S for privatization of the water, wastewater, and electrical systems:

**FY 2000 (ACTUAL)**

**1. Repair/Improvement Projects:**

Project Description	Cost (\$000)

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Main Post Substations	25
Remove Abandoned Poles	5

**FY 2001 (ACTUAL)**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Building 2525 Feeder Relocation	80
Relocate Water Main, Building 2525 Parking Lot	20
Replace Pumps, Building 2021 Pump Station	15
Remove Gosselin Avenue Primary	20
Rewire Feeders 3 and 5 Riser Pole Tie Point	20

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Implement Enzyme Treatment Program for Sewage Pump Stations	10

**FY 2002**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Upgrade Feeder 6	20
Install Pole Line to Support USMAPS MILCON, Buildings 1204/5	30
Repairs to Feeder 4E	60
Replace Transformers, Building 293	30

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Electrical Substation Maintenance, Main Post and Charles Wood Area	34
Remove Abandoned Poles	5
Replace Oil, Main Post Transformers 1 and 2	14
Rebuild West Substation SF6 Switch	15
Water Main Pigging/Cleaning	50
Enzyme Treatment Program, Sewage Pump Stations	10

**FY 2003**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install Alternate 34.5 KVA Feed to West Substation	120
Install High Water Alarms, Pump Station Buildings 400, 491,2021	15
Upgrade Feeder 7	30
Replace Ritko Avenue Aerial to Underground, Buildings 1209/10	60

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Overhaul Pumps, Pump Station Buildings 1221 and 2291	20
Overhaul pumps, Pump Station Buildings 257	15
Infrared Survey, Charles Wood Area	10
Short Circuit Analysis – Main Post	20
Water Main Pigging/Cleaning	50
Enzyme Treatment Program, Sewage Pump Stations	10
Remove Abandoned Poles	5

**FY 2004**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install High Water Alarms, Pump Station Buildings 752, 2043	10
Repair/Replace 1100 Area Transformers and Primary	75
Relocate Overhead to Underground, Ritko Avenue to 1220 Boiler Plant	30
Relocate 2500 Area Feeder from Fire Training Area	20
Repair/Rebuild Pump Station Building 2021	50
Replace Pulse Power Transformers to Convert to 12.5KV	75

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Electrical Substation Maintenance, Main Post and Charles Wood Area	40
Overhaul Pumps, Pump Station Buildings 949,2243	25
Water Main Pigging/Cleaning	50
Enzyme Treatment Program, Pump Stations	10
Short Circuit Analysis, Charles Wood Area	20
Remove Abandoned Poles	10
Infrared Survey, Main Post	10

**FY 2005**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Oil Switches 1208/1209	150
Install New Underground Electrical Service to Area of Buildings 283 and 290	150
Install New Primary and Building Services, Buildings 900 to 918	40
Replace Feeder, Building 365	20
Repair/Replace Feeder 7	25
Replace Carty Avenue Primary	50
Install High Water Alarm, Pump Station Building 949	5
Replace Fire Hydrants, PR00-1130	20

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Overhaul Pumps, Pump Station Buildings 366, 367, 210	20
Overhaul Backflow Preventers	15
Infrared Survey, Charles Wood Area	10
Remove Abandoned Poles	5
Water Main Pigging/Cleaning	50
Enzyme Treatment Program, Pump Stations	10
Overhaul Pumps At Charles Wood Swimming Pool, Building 2560	5

**FY 2006**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Convert 300 Area Lodging/Barracks Complex to Underground Electrical Service	100
Replace transformers and Structure, East Substation, Building 978	450
Repair Feeders 2E and 7E	30
Replace Air CB with Vacuum, East Substation, Building 978	250

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Electrical Substation Maintenance, Main Post and Charles Wood Area	40
Infrared Survey, Main Post	10
Water Main Pigging/Cleaning	50
Enzyme Treatment Program, Pump Stations	10
Remove Abandoned Poles	10
Overhaul Pumps, Pump Station Buildings 170D	15

## Long Range

### 1. Repair/Improvement Projects:

Project Description	Cost (\$000)
Camera Inspection of Sanitary System	400
Camera Inspection of Storm Water System	200
Install Water Filters/Conditioners, Main Post	100
Install Water Filters/Conditioners, Charles Wood Area	50
Install Alternate Feeder to Russel/Carty from SATCOMA Substation	150
Convert Saltzman Avenue Overhead to Underground, Between Wilson and Irwin Avenues	100
Install Second Duct Bank for 34.5KV Primary, Main Post	175
Replace Charles Wood Substation Transformer B	100
Replace Charles Wood Substation Transformer A	100
Replace Saltzman Avenue 600 Area Aerial to Underground	80
Relocate Riverside Avenue Aerial to Underground	80
Replace Switch Gear, Main Post	
Replace Interior Transformers, 1200 Area	
Replace West Aerial Switch and remove OCB Tie Point, Main Post	
Upgrade Interior, East Switch Gear Building	
Install 300 AMP Solid Blade Disconnects on Risers for Feeders 1, 2, 4 and 7	
Add 2 Switch Cabinets for Russel Avenue Feeders and Spare SATCOM Substation	

# **Army Family Housing Repair and Improvements**

## **INTRODUCTION**

The goal of DPW Army Family repair and improvement projects is to create excellent facilities that support the mission and provide a safe and healthy quality of life for Fort Monmouth military personnel and their families. The intent is to provide the highest quality of life standards in attractive, well-maintained neighborhoods by maximizing to the fullest extent possible all available financial resources.

## **DISCUSSION**

The overall quality of Fort Monmouth Army Family Housing is fair. A steady reduction in the number of military assigned to the installation has created a large excess of family quarters. The 5 year projection for family housing requirements indicates about 375 housing units will be required while the installation currently has an inventory of nearly 900 quarters. Under way is a \$4,400,000 project to revitalize 36 Field Grade Quarters on Russel/Carty Avenues and also a \$5,100,000 project to revitalize 45 Senior Non Commissioned Officer Quarters on Gosselin Avenue. Beyond these two projects planning is underway to modernize/divest of the remaining family housing inventory in a four phase approach. Phase 1 will divest of 270 sets of quarters on the North side of Pinebrook Road. This action is now underway with the Report of Excess scheduled for completion in May 2002. Phase 2 will modernize/build new all required family housing units in the Charles Wood Area of Fort Monmouth. This will be the longest phase and will be dependent on successfully obtaining appropriations for the required projects. Phase 3 will divest of 216 quarters on the South side of Pinebrook Road after the Charles Woods Area projects are completed. These quarters will be used as a transition area during the long-term modernization/replacement of the Charles Woods Area quarters. Finally Phase 4 is the revitalization of the 32 Senior Officer Quarters on Russel and Allen Avenues.

**FY 2000 (Actual)**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Roofs, OPQ1, Russel and Allen Avenues, Phase 2	248
Exterior Lead Based Paint Encapsulation, OPQ1, Russel and Allen Avenues, Phase 2	35
OPQ3, Replace Hot Water Heaters	15
OPQ2/3, Replace Storm Doors	25
OPQ3, Sun Porch Repairs	85
OPW2/3, Misc. Concrete Repairs	33
Replace Sun Porch Roof, 2 Russel Avenue	3
Replace Copper Gutters, 42/44 Russel Avenue	2
OPQ3, Replace Venetian Blinds	51
Replace Landscaping, OPQ2, Russel/Carty	74
Replace Landscaping, OPQ3, Gosselin	52
OPQ3, Install EOP Waterproofing Basement, Buildings 233, 241, 243, 244, 245, 247 and 255	251
OPQ2, Install EOP Waterproofing Basement, Buildings 263, 264 & 265	177

**FY 2001 (Actual)**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install EOP Basement Waterproofing Systems, Gosselin Avenue, Buildings 242, 246, 248, 249, 250, 251, 253, 254 and 256	352
Install EOP Basement Waterproofing Systems, Russel/Carty Avenues, Buildings 261, 262, 266, 267, 268 and 269	384
Charles Wood Demolition, Phase I, Buildings 2213, 2218, 2221, 2223, 2226, 2243, 2246 and 2254	320
Replace Decorative Porch Roof Railings, Russel/Carty Avenues	83
Repair/Pave Alley Between Quarters - Russel/Carty Ave's JOR: 00-0811	150
Replace Gutters and Downspouts, Megill Drive	98
Install Pathway (Telephone & Cable), Gosselin Avenue	78
Replace Railings, Gosselin Avenue	26
Repair Bilco Door Areaways and Replace Bilco Doors	19
Remove and Replace Fence and Install basketball Court, Gosselin Avenue	28
Replace Sidewalks, Russel, Carty and Gosselin Avenues	30

**FY 2002**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Demolition of Charles Wood Area Capehart Housing, Phase 1 (Golden Kastle)	300
Install EOP Basement Waterproofing Systems, Buildings 235, 237, 238, 239, 240 and 258, Gosselin Avenue	240
Inspect Chimney's Russel, Carty and Gosselin Avenues, PR 02-0004	20
Replace Curbs, Sidewalks and Repave Gosselin Avenue	175
Install Temporary Fence North Pinebrook Area of Howard Commons	14
Replace Street Lighting, Russel/Allen Avenues	100
Replace Street Lighting, Russel/Carty Avenues	100
Replace Gutters and Downspouts, Hope/Hemphill Roads	60
Replace Tinton Avenue Fence with Architectural Security Fence	500

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Clean Storm Sewers, OPQ 2,3 and 4	50

**FY 2003**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Demolition of Charles Wood Area Capehart Housing, Phase 2 (Golden Kastle)	300
Replace Front and Rear Porch Roofs, Gosselin Avenue	200
Replace Sun Porch Roofs, Russel/Carty Avenues	300
Replace Tinton Avenue Fence with Architectural Security Fence	300
Replace Street Lighting, Gosselin Avenue	100
Replace Sun Porch Roofs, OPQ4, Megill Drive/Circle	200
Install Privacy Fencing, Gosselin, Russel and Carty Avenues	100
Charles Wood Demolition, Phase 2, Buildings 2211, 2212, 2215, 2219, 2222, 2225, 2247, 2249, 2251, 2253 and 2256	440

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Repoint Brickwork, OPQ4 and 5, Megill Circle/Drive and Hemphill Road	150
Clean Storm Sewers, OPQ1 – JOR: 97-0551	20

**FY 2004**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Demolition of Charles Wood Area Capehart Housing (Golden Kastle)	300
Replace Sun Porch Roofs, Russel/Allen Avenues	200
Install EOP Basement Waterproofing Systems, Phase 1, Megill Avenue	440
Install EOP Basement Waterproofing Systems, Phase 1, Hope/Hemphill Roads	220
Replace Curbs, Sidewalks and Repave Russel/Carty Avenues	200
Replace Sun Porch Roofs, Hemphill Road	150
Install Electric Meters, Russel, Allen and Carty Avenues	125
Charles Wood Demolition, Phase 3, Buildings 2214, 2216, 2217, 2218, 2220, 2224, 2242, 2245, 2248, 2250, 2252 and 2255	480

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Repoint Brickwork, OPQ1,2 and 3	300

**FY 2005**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Demolition of Charles Wood Area Capehart Housing, Phase 3 (Golden Kastle)	200
Install EOP Basement Waterproofing Systems, Buildings 234, 236, Gosselin Avenue and 202 Riverside	120
Install EOP Basement Waterproofing Systems, Phase 2, Megill Avenue	440
Install EOP Basement Waterproofing Systems, Phase 2, Hope/Hemphill Roads	220
Install Electric Meters, Gosselin Avenue, Megil Drive and Hope/Hemphill Roads	125

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2006**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Ins Install EOP Basement Waterproofing Systems, Phase 1, Russel and Allen Avenues	500
Replace Garage Doors, Russel/Carty Avenues	50
Replace Garage Doors, Gosselin Avenue	50
Replace Street Lighting, Megill drive	100
Reconstruct Hemphill Access Road JOR: 00-0810	100

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**Long Range**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Install EOP Basement Waterproofing Systems, Phase 2, Russel and Allen Avenues	500

**Howard Commons Project Plan**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Repave Pinebrook Road	250
Replace Front Steps, Area 10	170
Replace Front Steps, Area 11	170
Replace Front Steps, Area 13 JOR: 97-0572	200
Replace Front Steps, Area 14	200
Replace Bi-Fold Doors, Areas 10 and 11	300
Replace Bi-Fold Doors, Areas 13 and 14	300
Replace Laundry Room Doors and Install Wood Baseboard, Areas 10 and 11	150
Replace Laundry Room Doors and Install Wood Baseboard, Areas 13 and 14	150
Install Fence Around Dumpster Pads, Area 12	50
Repoint Brickwork, Areas 10 and 11	200
Repoint Brickwork, Areas 12 and 13 - JOR: 94-6008 FOR A/13	200
Repoint Brickwork, Area 14 - JOR: 94-6008 FOR A/14	100
Remove Abandoned Utility systems from Crawl Space, Area 10	160

Remove Abandoned Utility systems from Crawl Space, Area 11	160
Remove Abandoned Utility systems from Crawl Space, Area 12	160
Remove Abandoned Utility systems from Crawl Space, Area 13	160
Remove Abandoned Utility systems from Crawl Space, Area 14	160
Clean Storm Sewers, Howard Commons – JOR: 97-0545	200

## Charles Wood Area Project Plan

### 1. Repair/Improvement Projects:

<b>Project Description</b>	<b>Cost (\$000)</b>
Extend Parking Lots, Guam Court, Wake Court and Wake Road	30
Replace Storage Sheds, Privacy Screens and Garbage Can Enclosures, Area 6 and 7	192
Replace Storage Sheds, Privacy Screens and Garbage Can Enclosures, Area 8 and 9	190
Install Steel Doors and Locks, Olongapo and Wake Roads JOR: 97-1049 (WAKE) 97-1047 (OLONGAPO)	150
Install Metal Doors and Locks, Wake Court, Marshall Court and Guam Court	150
Repoint Brickwork, Area 8 and 9	200
Clean Storm Sewers, Olmstead Gardens – JOR: 97-0564	100

## Unaccompanied Personnel Housing Repair and Improvements

### INTRODUCTION

The goal of DPW facility repair and improvement projects is to create excellent facilities that support the mission and provide a safe and healthy quality of life for all Fort Monmouth personnel. The intent is to provide the finest, efficient, easily maintained, and professional facilities and workspaces possible by coordinating and maximizing to the fullest extent possible all available financial resources.

### DISCUSSION

The overall quality of Fort Monmouth Unaccompanied Personnel Housing Facilities is very good and exceeds the DA one plus one standard. All bachelor personnel have their own efficiency apartment with kitchenette and private bathroom. A major improvement will be the construction of a Soldier Community/Recreation Facility located adjacent to BEQ Buildings 361 and 362. This facility will be located in a complex including tennis courts and a picnic pavilion. Also planned modernization of the BOQ, Building 271 and the BOQ/SEQ, Buildings 1077 and 1078 will complete modernization of all the Unaccompanied Personnel Housing facilities and provide a very high level of quality of life for our bachelor soldiers.

### FY 2000 (ACTUAL)

#### 1. Repair/Improvement Projects:

Project Description	Cost (\$000)
Landscaping, Buildings 361/362/271	53
Relocate Gazebo, Building 361	12
Paint Exterior Wood, BOQ, Building 271	28
Renovate 5 Bathrooms, BOQ, Building 271	25
Renovate 5 Kitchens, SEQ, Building 1077	11
Renovate 4 Kitchens, BOQ, Building 1078	6
Upgrade Fire Alarm System, Buildings 1077/1078	35
Renovate Laundry Room, BOQ/SEQ, Buildings 1077/1078	5
Paint Exterior Wood, SEQ, Building 1077 – JOR: 89-0080	12
Paint Exterior Wood, BOQ, Building 1078 - JOR: 89-0080	12

**FY 2001 (ACTUAL)**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Renovate 4 Bathrooms, SEQ, Building 1077, PR 01-9036	12
Renovate 5 Kitchens, SEQ, Building 1077, PR 01-9030	6
Renovate 8 Bathrooms, BOQ, Building 1078, PR 01-9035	12
Renovate 4 Kitchens, BOQ, Buildings 1078, PR 01-9029	8
Install Gazebo, BOQ/SEQ, Buildings 1077/1078	27
Replace Carpet, Building 270, PR 00-0013	8
Renovate 3 Bathrooms, BOQ, Building 271, PR 00-9146	25

**FY 2002**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Construct Soldier Community/Recreation Building for BEQ Buildings 361 and 362, PR 00-0378	450
Renovate 4 Bathrooms, SEQ, Building 1077	12
Renovate 4 Bathrooms, BOQ, Building 1078	12
Renovate 3 Kitchens, BOQ, Building 1078	8

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2003**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Renovation of Bachelor Officers Quarters, Building 271	850
Revitalize Laundry, Building 271	3
Renovate 4 Bathrooms, SEQ, Building 1077	12
Renovate 4 Bathrooms, BOQ, Building 1078	12

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

**FY 2004**

**1. Repair/Improvement Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Revitalize SEQ, Building 1077, PR 98-0042	750
Replace Carpet Hallways and Stairs, Building 271	15

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>

FY 2005

1. Repair/Improvement Projects:

Project Description	Cost (\$000)
Revitalize BOQ, Building 1078	750

2. Maintenance Projects:

Project Description	Cost (\$000)

FY 2006

1. Repair/Improvement Projects:

Project Description	Cost (\$000)

2. Maintenance Projects:

Project Description	Cost (\$000)

## Lodging Repair and Improvements

### INTRODUCTION

The goal of DPW Lodging repair and improvement projects is to create excellent facilities that provide quality accommodations for all visitors to Fort Monmouth. The intent is to provide the finest, efficient, comfortable and easily maintained lodging in the Army.

### DISCUSSION

The overall quality of Fort Monmouth Lodging facilities is excellent and was achieved largely as a result of a \$2,000,000 major NAF Billeting Fund project completed in the last five years. This project modernized 83 of the lodging rooms in Buildings 363 and 364, making them comparable in quality and amenities to many of the local hotels. Currently an \$850,000 project is under construction to create six high end Distinguished Visitors Quarters (DVQ) suites in Building 360. This project is scheduled for completion in October 2000 and will provide two super suites that contain not only separate living room and bedroom areas but also a full eat in kitchen and wet bar. The two suites and the other four smaller DVQ suites will all be finished with high quality wall, floor and ceiling finishes, window treatments and furnishings. Also included in the project are two handicapped accessible suites that meet all ADA requirements and will be comparable in size to the four smaller DVQ suites. Future projects will include installation of elevators on Buildings 360 and 363, upgrade of carpeting and furnishings and other improvements throughout the complex. Projects funded with appropriated funds are indicated with (A) and Non-appropriated funded projects are indicated with (N).

### FY 2000 (ACTUAL)

#### 1. Repair/Minor Construction Projects:

Project Description	Cost (\$000)
Replace Computers	(N) 25
Replace Drapes, Buildings 363 and 364	(N) 27
Purchase New Truck	(N) 35
Replace Bedspreads, Buildings 363 and 364	(N) 7
Purchase Televisions	(N) 6
Purchase Radios	(N) 3

**FY 2001**

**1. Repair/Minor Construction Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Furniture, Building 364	(N) 35
Repair East & West Entrances, Building 270, PR 01-0054	(A) 10
Purchase Televisions	(N) 5

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Hallway Carpet, Building 360	(N) 35

**FY 2002**

**1. Repair/Minor Construction Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace 2 <sup>nd</sup> and 3 <sup>rd</sup> Floor Windows, Fascia, Soffits and Gutters/Leaders, Building 360	(A) 200
Install Gazebo Adjacent to Buildings 363 and 364	(A) 20
Repair Hallway, Building 270, PR 01-0055	(A) 30

**2. Maintenance Projects:**

<b>Project Description</b>	<b>Cost (\$000)</b>
Paint Exterior, Building 270	(A) 65

FY 2003

1. Repair/Minor Construction Projects:

Project Description	Cost (\$000)
Install Elevator, Building 360	(A) 200
Renovate Bathrooms, Replace Plumbing, Building 270, PR 01-0934 & 98-0041 – JOR 01-0260 FOR WATER PIPING	(A) 75
Renovate Rooms, Building 270	(A) 50

2. Maintenance Projects:

Project Description	Cost (\$000)

FY 2004

1. Repair/Minor Construction Projects:

Project Description	Cost (\$000)
Install Elevator, Building 363	(A) 200
Replace Wall Coverings, Building 360	(A) 20
Replace Carpet, Building 270, PR 98-0752 & 00-0013	(N) 35
Replace Furniture, Building 363	(N) 45

2. Maintenance Projects:

Project Description	Cost (\$000)

FY 2005

1. Repair/Minor Construction Projects:

<b>Project Description</b>	<b>Cost (\$000)</b>
Construct Parking Lot for Building 360	(A) 100
Replace Furniture, Building 363	(N) 45
Install Elevator, Building 365 JOR: 01-0935	(A) 100

2. Maintenance Projects:

<b>Project Description</b>	<b>Cost (\$000)</b>
Replace Hallway Carpet, Building 364	(N) 15