LOCAL REDEVELOPMENT AUTHORITY FOR
ROOSEVELT ROADS
GOVERNMENT OF PUERTO RICO

ADDENDUM NO. 3

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS
REQUEST FOR PROPOSAL RFP 2025-002
NEW APRODEC & EQUINOTERAPIA FACILITIES

Addendum No. 3, dated January 26, 2026, is hereby issued to distribute FEMA DDD, scopes, cost estimates and photos for NEW APRODEC & EQUINOTERAPIA FACILITIES.

DDD's included:

Damage # 152174; Building 1211	Equinoterapia Administration Building
Damage # 152336; Building 2296	APRODEC
Damage # 152365; Building 2371	Equinoterapia Multipurpose Building

Important Notice: All updated documents are available on our website. Please visit: www.rooseveltroads.pr.gov/rfp

SDS-LRA

For Reference Only - Buildings Number (Aerial View)

Figure 1

For Reference Only - Buildings Number (Aerial View)

Figure 2

-FEMA REPORT-

RFP-#2025-002
New APRODEC
&
Equinoterapia Facilities

AUTORIDAD DE
REDESARROLLO LOCAL PARA
ROOSEVELT
ROADS
GOBIERNO DE PUERTO RICO

Roosevelt Roads
Ceiba, Puerto Rico

Department of Homeland Security
Federal Emergency Management Agency

General Info

Project #	102776 **P/W #** 6977	**Project Type**	Specialized
Project Category	E - Buildings and Equipment	**Applicant**	Local Redevelopment Authority For Roosevelt Roads (000-UVI93-00)
Project Title	Improved Project - MLRA013 - Buildings 1211, 2296, 2371	**Event**	4339DR-PR (4339DR)
Project Size	Large	**Declaration Date**	9/20/2017
Activity Completion Date	9/20/2026	**Incident Start Date**	9/17/2017
		Incident End Date	11/15/2017
Process Step	Pending PDMG Scope & Cost Routing		

Damage Description and Dimensions

The Disaster # 4339DR, which occurred between *09/17/2017* and *11/15/2017*, caused:

Damage #152174; Building - 1211 - Golf Club House

This Project/PW is a PA Alternative Procedures Project and funding is capped based on the fixed-cost estimate agreements for each project, in accordance with the Public Assistance Alternative Procedures (Section 428) Guide for Permanent Work, FEMA-4339-DR-PR.

General Facility Information:

- **Facility Type:** Building
- **Building Type:** Warehouse
- **Facility:** DI# 152174, Building - 1211 - Golf Club House, Ceiba, PR
- **Facility Description:** This facility has 1 level with 140 feet wide X 72 foot Long X 20 High for an area of 7,787 SF approximately, this building is a warehouse, the structure is abandoned. The structural system consists of a steel frame with metal deck roof. The façade consists of sheet, facing metal sheets.
- **Approx. Year Built:** 1950
- **Location Description:** FORMER ROOSEVELT ROADS NAVY YARD, CEIBA, PR
- **GPS Latitude/Longitude:** 18.22256, -65.67021
- **Number of Stories:** 1

General Damage Information:

- **Date Damaged:** 9/17/2017 to 11/15/2017
- **Cause of Damage:** During the incident period of September 17, 2017 until November 15, 2017, wind driven rain and major hurricane force winds from hurricane Maria (DR 4339-PR) affected the Former Naval Station Roosevelt Roads located in the Municipalities of Ceiba and Naguabo. The subject property was damages by the weather phenomenal, such as: the building exteriors and interiors, roof and waterproofing system, electrical systems, windows, doors.

Building Damage:

Ceiling:

- Building Interior, 1,024 SF of wood beam, Water intrusion through roof soaked and damaged beams. Photos:(20191101_095743, 20191101_095744), 0% work completed.
- Building Interior, 4,259 SF of 2FT x 4FT panel with noise reduction. , water-repellent

membrane. acoustic ceiling tiles, Water intrusion through roof soaked acoustic ceiling tiles and induced black mold growth . Photos:(20191101_100637, 20191101_101115, 20191101_101118), 0% work completed.

- Building Exterior, 1,081 SF of 2 IN x 8 IN x 16 FT trim board primed wood fascia, strong winds and rain impacted the fascia board frames and detached the boards causing water intrusion through the components then subsequently water flooded. Photos: (20191101_100300), 0% work completed.

Door:

- Building Exterior, 4 each of 40 IN x 86 IN and aluminum frame entrance to comply with astm C1036, all tempered glass shall comply with ASTM C1048 glass w/ alum frame door, High winds and wind driven rain impacted, ripped off and damaged the door. Photos: (20191101_095505, 20191101_095548), 0% work completed.
- Building Interior, 4 each of 40 IN x 86 IN glass UL listed marine frameless metal fire rated doors comply with ansi/ul 10b, ANSI/ul 10c, ANSI/UL 1784, steel hollow, High winds and wind driven rain impacted, ripped off and damaged the door. Photos:(20191101_095505, 20191101_095548), 0% work completed.
- Building Interior, 2 each of 40 IN x 86 IN solid core, mahogany, flush wood door, smooth (1-3/4" thick') flush wood door, Water intrusion through roof soaked most of door causing damages due to moisture and induced a black mold growing. Photos:(20191101_095557, 20191101_095559, 20191101_095646), 0% work completed.
- Building Interior, 1 each of 10 FT x 7 FT solid core, mahogany, flush wood door, smooth (1-3/4" thick') wood door with accordion louver, High winds and wind driven rain impacted, ripped off and damaged the door. Photos:(20191101_095755), 0% work completed.
- Building Interior, 1 each of 13 FT x 7 FT solid core, mahogany, flush wood door, smooth (1-3/4" thick') wood accordion door with louver, High winds and wind driven rain impacted, ripped off and damaged the door. Photos:(20191101_095823, 20191101_095824), 0% work completed.
- Building Interior, 1 each of 72 IN x 86 IN steel hollow double metal, High winds and wind driven rain impacted, ripped off and damaged the door. Photos:(20191101_100140), 0% work completed.

Floor:

- Building Interior, 4,947 SF of 12 IN x 12 IN impervious tile and comply with abrasion resistance – ASTM C1027 ceramic tile to be cleaned, Water intrusion through roof soaked most of ceramic tiles then the floor was stained due to moisture and induced a black mold growing. Photos:(20191101_095518, 20191101_095529, 20191101_095624), 0% work completed.
- Building Interior, 1,054 SF of the total installation area carpet required for the installation should be stated according to the requirements of as/nzs 2455.1 and AS/NZS 2455.2 for carpet tiles carpet tiles (to be cleaned), carpet, Water intrusion through roof soaked and stained most of carpet and induced a black mold growing. Photos:(20191101_095534), 0% work completed.
- Building Interior, 6,001 SF of mold remediation floor treatment, Strong winds and wind driven rain detached roof, water intruded through roof the Fungus growth Photos: (20191101_101138, 20191101_101136, 20191101_101131), 0% work completed.

Light fixture:

- Building Interior, 60 each of 2 FT X 4 FT T12, medium bi-pi (G13), 1450 lumens, 6500k bulb color temp fluorescent, c.w. lamps, four 40 watts, Water intrusion through roof soaked an acoustic ceiling Tiles and induced black mold growing damaged frame and lamps. Photos:(20191101_094819, 20191101_094822), 0% work completed.
- Building Interior, 5 each of 2 FT x 2 FT wide beam square light, High wind and wind driven rain impacted the roof, then winds detached part of roof, water intruded through roof causing electrical damages to lights Photos:(5666), 0% work completed.
- Building Interior, 2 each of 1 FT w x 4 FT T12, medium bi-pin (G13), 1450 lumens, 6500k bulb color temp fluorescent, c.w. lamps, two 40 watts, Water intrusion through roof soaked an acoustic ceiling Tiles and induced black mold growing damaged frame and lamps. Photos:(20191101_095600, 20191101_095618), 0% work completed.
- Building Interior, 24 each of high pressure sodium 150 - 400 watts, pulse start metal halide 150 watts. highbay acrylic 22" - enclosed conical lens circular halide, 150 watt light, High wind and wind driven rain detached lamps, Water intrusion through roof caused short circuit.

Photos:(20191101_101108), 0% work completed.

Restroom:

- Building Interior, 100 SF of solid plastic bathroom partition, water intrusion through roof soaked most of bathroom partitions then the partitions was damaged due to moisture and induced a black mold growing. Photos:(20191101_100515, 20191101_100505, 20191101_100454), 0% work completed.
- Building Interior, 4 each of 30-3/16" x 18" x 32-13/16", High efficiency toilet (HET) 1.28 gpf/4.8 Lpf\, 2-1/16" (52 mm) trap way, Right Height elongated siphon action bowl water closet,, Water intrusion through roof damaged the water closet. Photos: (20191101_100527), 0% work completed.
- Building Interior, 6 each of bowl sizes: 15" (381mm) wide, 10" (254mm) front-to-back, 6-3/4" (171mm) deep,ADA compliant, self-draining deck area with contoured back and side splash shields, front overflow bathroom lavatory, Water intrusion through roof damaged the lavatory sinks. Photos:(20191101_100531), 0% work completed.
- Building Interior, 2 each of water urinal, Water intrusion through roof damaged the urinal Photos:(20191101_100531), 0% work completed.

Roof:

- Building Exterior, 4,922 SF of thickness : 0.80 to 2mm, cr steel as per is:513 d-quality, bare, primer coated, galvanized, pre-painted metal shed, Hurricane force winds, airborne debris and wind driven rain caused panels to collapse (758 SF) and damaged beyond repair (4,164 SF) Photos:(20191101_094343), 0% work completed.
- Building Exterior, 2,400 SF of section 07510 - built-up bituminous roofing, section 07540 - thermoplastic membrane roofing, polyvinyl chloride (PVC) roofing, astm c 578-01, standard specification for rigid, cellular polystyrene thermal insulation waterproofing membrane with insulation deck, strong wind and debris in the air lifted and detached the part of roof, this caused the water to enter through the roof, the soaked the ventilation. Photos: (20191101_095648), 0% work completed.
- Building Exterior, aluminum, ga. 0.032 metal flashing, 179 FT long, High wind and wind driven rain detached metal flashing from edges of roof Photos:(20191101_101324, 20191101_101329), 0% work completed.
- Building Exterior, 484 SF of section 07510 ceramic roof tile, Strong wind and debris in the air lifted and detached the part of roof, this caused the water to enter through the roof, the soaked the ventilation. Photos:(20191101_094557, 20191101_094709), 0% work completed.

Wall:

- Building Interior, 5,320 SF of wall black mold remediation, Water intrusion through roof soaked an acoustic Ceiling Tiles and induced black mold growing damaged most of wall. Photos:(20191101_095633, 20191101_095639, 20191101_095653), 0% work completed.
- Building Exterior, 11,780 SF of water based exterior paint first coat exterior paintwork, High wind and wind driven rain damaged and removed interior paint layers Photos: (20191101_095448, 20191101_095450), 0% work completed.
- Building Interior, 8,040 SF of water based interior paint first coat interior paintwork, High wind and wind driven rain damaged and removed interior paint layers Photos: (20191101_095639), 0% work completed.
- Building Exterior, 24,830 SF of clean wall cleaning, High wind and wind driven rain caused a water intrusion through roof damaged soiled the exterior wall. Photos: (20191101_095806, 20191101_095809, 20191101_095811), 0% work completed.
- Building Exterior, 758 SF of 29 gauge metal siding, premium protective coatings, insulated wall panels , comply with astm a 653 - standard specification for steel sheet, zinc-coated (galvanized) or zinc-iron alloy- coated (galvannealed) by the hot-dip process. metal side panel, Water intrusion through roof detached sheet metal panels. Photos:, 0% work completed.
- Building Interior, 1,600 SF of 0.25 IN thickness cement plaster, High wind and wind driven rain detached cement plaster layer from wall. Photos:(20191101_101335), 0% work completed.
- Building Exterior, 138 SF of 0.25 IN thickness cement plastering, High wind and wind driven rain detached cement plaster layer from wall. Photos:(20191101_101329, 20191101_101325, 20191101_095450), 0% work completed.

Window:

- Building Exterior, 6 each of 4 FT x 4 FT insulated glass to have edgetech warm edge spacer as secondary seal with butyl primary seal, all glass to be glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazing bead. glass thickness to be 1/8 double strength up to 18 square feet fixed glass aluminum window, High winds and wind driven rain impacted and damaged window glasses lattices Photos: (20191101_095451, 20191101_095455, 20191101_095533), 0% work completed.
- Building Exterior, 15 each of 3 FT x 4 FT insulated glass to have edgetech warm edge spacer as secondary seal with butyl primary seal, all glass to be glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazing bead. glass thickness to be 1/8 double strength up to 18 square feet fixed glass aluminum window, High winds and wind driven rain impacted and damaged window glasses lattices Photos: (20191101_095459, 20191101_095622), 0% work completed.
- Building Exterior, 3 each of 16 FT x 16 FT insulated glass to have edgetech warm edge spacer as secondary seal with butyl primary seal, all glass to be glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazing bead. glass thickness to be 1/8 double strength up to 18 square feet fixed glass aluminum window, High winds and wind driven rain impacted and damaged window glasses lattices Photos: (20191101_101054), 0% work completed.

Damage #152336; Building - 2296 - Administrative Bldg Afwtf

This Project/PW is a PA Alternative Procedures Project and funding is capped based on the fixed-cost estimate agreements for each project, in accordance with the Public Assistance Alternative Procedures (Section 428) Guide for Permanent Work, FEMA-4339-DR-PR.

General Facility Information:

- **Facility Type:** Building
- **Building Type:** Other: Not Listed
- **Facility:** Building - 2296 - Administrative Bldg Afwtf
- **Facility Description:** This facility has 3 levels with 172 feet wide X 70 foot Long X 70 High for an area of 31,368 SF approximately, the structure is partially occupied. The structural system consists of a steel frame with metal deck roof. The facility has men's and women restrooms. The façade consists of sheet, facing metal sheets (siding metal sheets). The façade consists of concrete masonry unit. The interior partitions are mostly metal with metal studs, some walls were built with masonry concrete blocks.
- **Approx. Year Built:** 1950
- **Location Description:** FORMER ROOSEVELT ROADS NAVY YARD, CEIBA, PR
- **GPS Latitude/Longitude:** 18.21717, -65.65659
- **Number of Stories:** 3

General Damage Information:

- **Date Damaged:** 9/17/2017 to 11/15/2017
- **Cause of Damage:** During the incident period of September 17, 2017 until November 15, 2017, wind driven rain and major hurricane force winds from hurricane Maria (DR 4339-PR) affected the Former Naval Station Roosevelt Roads located in the Municipalities of Ceiba and Naguabo. The subject property was damages by the weather phenomenal, such as: the building exteriors and interiors, roof and waterproofing system, electrical systems, windows, doors.

Building Damage:

Ceiling:

- Building Interior, 9 each of 1 FT x 4 FT an ANSI ballast for standard 40-watt F40T12 lamps requires a ballast factor of 0.95; the same ballast has a ballast factor of 0.87 for 34-watt energy saving F40T12 lamps, Water intrusion through roof soaked an acoustic Ceiling Tiles, the damaged the lamp ballast causing short circuits. Photos:(20191108_104051, 20191108_104100), 0% work completed.
- Building Interior, 2 each of 1 FT X 1FT , 18-Watt, 4000K, cool white light square light, The

strong wind and the rain driven by the wind hit the ceiling, which caused the water to intrude through he square lamp causing electrical damage Photos:(20191108_103559), 0% work completed.

- Building Interior, 30 each of 2FT X 2FT , 18-Watt, 4000K, cool white light square light, The strong wind and the rain driven by the wind hit the ceiling, which caused the water to intrude through he square lamp causing electrical damage Photos:(20191108_102704, 20191108_102734), 0% work completed.
- Building Interior, 1,868 SF of 2 IN x 8 IN x 16 FT gypsum board fascia, Water intrusion through roof soaked the fascia this caused mold growth. Photos:(20191108_103559, 20191108_103642), 0% work completed.
- Building Exterior, 12 each of High Pressure Sodium 150 - 400 watts wall pack, High wind and wind driven rain detached lamps. Photos:(20191108_092246, 20191108_092848, 20191108_095201), 0% work completed.
- Building Interior, 206 each of 2 FT x 4 FT an ANSI ballast for standard 40-watt F40T12 lamps requires a ballast factor of 0.95; the same ballast has a ballast factor of 0.87 for 34-watt energy saving F40T12 lamps, Water intrusion through roof soaked an acoustic Ceiling Tiles, the damaged the lamp ballast causing short circuits. Photos:(20191108_104034, 20191108_104040, 20191108_110146, 20191108_104532, 20191108_110146), 0% work completed.
- Building Interior, 31 each of 400-800 Lumens per light spotlight, Strong wind and the rain driven by the wind hit the ceiling, which caused the water to intruded through he spotlights causing electrical damage Photos:(20191108_095115), 0% work completed.
- Building Interior, 16,378 SF of 2 FT x 4 FT panels with noise reduction. , Water-repellent membrane. acoustic ceiling tiles, Water intrusion through roof soaked an acoustic ceiling tiles and induced a black mold growth . Photos:(20191108_105439, 20191108_105600, 20191108_110900, 20191108_111302), 0% work completed.
- Building Interior, 1 each of 1FT x 6FT an ANSI ballast for standard 40-watt F40T12 lamps requires a ballast factor of 0.95; the same ballast has a ballast factor of 0.87 for 34-watt energy saving F40T12 lamps, Water intrusion through roof soaked an acoustic Ceiling Tiles, the damaged the lamp ballast causing short circuits. Photos:(20191108_111118), 0% work completed.

Door:

- Building Interior, 1 each of 76 IN X 86 IN All-Glass doors comply with ASTM C1036, Fire Rated Heavy duty 18-gauge aluminum. All tempered glass shall comply with ASTM C1048 glass w/ alum frame door, Water intrusion flooded the door damaging the wood material. Photos:(20191108_095031, 20191108_095037), 0% work completed.
- Building Interior, 2 each of 40 IN X 86 IN Comply with ANSI/UL 10B, ANSI/UL 10C, ANSI/UL 1784 Steel hollow to replace, Water intrusion flooded the door damaging the wood material. Photos:(20191108_102036, 20191108_111537), 0% work completed.
- Building Exterior, 7 each of 40 IN X 86 IN Comply with ANSI/UL 10B, ANSI/UL 10C, ANSI/UL 1784 Steel hollow to repair, Water intrusion flooded the door damaging the wood material. Photos:(20191108_103749), 0% work completed.
- Building Interior, 27 each of 40 IN x 86 IN hollow Core, mahogany, Flush Wood Door, Smooth (1-3/4 IN Thick) wood door to repair, Water intrusion flooded the door damaging the wood material. Photos:(20191108_103755, 20191108_104711), 0% work completed.
- Building Interior, 11 each of 40 IN x 86 IN hollow Core, mahogany, Flush Wood Door, Smooth (1-3/4 IN Thick) wood door to replace, Water intrusion flooded the door damaging the wood material. Photos:(20191108_103311), 0% work completed.
- Building Interior, 2 each of 76 IN x 86 IN hollow Core, mahogany, Flush Wood Door, Smooth (1-3/4 IN Thick) double wood door, Water intrusion flooded the door damaging the wood material. Photos:(20191108_102216, 20191108_102932, 20191108_110945, 20191108_102220), 0% work completed.
- Building Interior, 2 each of 42 IN X 86 IN hollow Core, mahogany, Flush Wood Door, Smooth (1-3/4 IN Thick) wood door w/ vision Glasses, Water intrusion flooded the door damaging the wood material. Photos:(To be submitted by applicant), 0% work completed.
- Building Interior, 2 each of 40 IN X 86 INhollow Core, mahogany, Flush Wood Door, Smooth (1-3/4 IN Thick) wood door w/ louver (24 IN x 18 IN) to replace, Water intrusion flooded the door damaging the wood material. Photos:(20191108_103311), 0% work completed.
- Building Interior, 4 each of 40 IN X 86 IN hollow Core, mahogany, Flush Wood Door, Smooth (1-3/4 IN Thick) wood door w/ louver (24 IN x 18 IN) to repair, Water intrusion

flooded the door damaging the wood material. Photos:(photos be submitted by applicant), 0% work completed.

- Building Interior, 1 each of 76 IN X 86 IN half glass, Fire Rated Heavy duty 18-gauge steel double Steel Hollow metal, High winds and wind driven rain impacted, ripped off and damaged the door. Photos:(Photos will be submitted by applicant), 0% work completed.
- Building Exterior, 1 each of 40 IN X 86 IN Comply with ANSI/UL 10B, ANSI/UL 10C, ANSI/UL 1784 Steel hollow to replace, Water intrusion flooded the door damaging the wood material. Photos:(20191108_102036, 20191108_111537), 0% work completed.

Floor:

- Building Interior, 14,274 SF of carpet required for the installation should be stated according to the requirements of AS/NZS 2455.1 and AS/NZS 2455.2 carpet, Water intrusion through roof soaked most of carpet and induced a black mold growing Photos: (20191108_092513, 20191108_092524), 0% work completed.
- Building Interior, 1,577 each of Neoprene Rubber Sheet, Rolls, Strips 1/8 IN (.125 IN) Thick x 6 IN Wide x 10 FT Solid ,0 .125 IN thick resilient Base board, 1,342 LF long, High wind and wind driven rain caused water through the windows and roof then water detachement of rubber sheet. Photos:(20191108_103456, 20191108_103508, 20191108_103613), 0% work completed.
- Building Interior, 848 SF of 2FT x 2F Impervious tile and comply with ABRASION RESISTANCE – ASTM C1027 Damaged ceramic tile, Water intrusion through roof soaked most of ceramic tiles then the floor was soiled due to moisture and induced a black mold growing. Photos:(20191108_102913), 0% work completed.
- Building Interior, 2,782 SF of Apply bleach to the stain (using a spray bottle is the most efficient way to apply bleach) vinyl tiles to clean, Water intrusion through roof soaked most of vinyl floor then the floor moisture lifted the vinyl floor. Photos:(20191108_113554, 20191108_114136), 0% work completed.
- Building Interior, 1,506 SF of polyvinyl chloride resin binder, fillers, and pigments vinyl tiles to replaces, Water intrusion through roof soaked most of vinyl floor then the floor moisture lifted the vinyl floor. Photos:(20191108_113554, 20191108_114136), 0% work completed.
- Building Interior, 2,659 each of Clear, stained or painted wood baseboard molding, 2,659 LF long, Distributed thru various floors, (Wing A first flr. 313 LF, second flr. 248 LF, third flr. 523 LF; Wing B first flr. 549 LF, second flr. 483 LF, third flr. 543 LF), High wind and wind driven rain caused water through the windows and roof then water soaked and damaged most of baseboard Photos:(20191108_114707, 20191108_102125), 0% work completed.

Restroom:

- Building Interior, 684 SF of solid plastic bathroom partition, Water intrusion through roof soaked most of bathroom partitions (Wing A first flr.=228 SF, second flr. 228 SF, third flr. 228 SF) damaged due to moisture in addition to black mold growth. Photos: (20191108_103206, 20191108_103215), 0% work completed.

Roof:

- Building Exterior, Aluminum, Ga. 0.032 flashing, 450 LF long, intense and constant winds and wind driven rain impacted and ripped off part of metal flashing (photos Flashing) Photos:(20191108_092251, 20191108_092315, 20191108_100318, 20191108_100411), 0% work completed.
- Building Exterior, 3,857 SF of Section 07510 - Built-Up Bituminous Roofing, Section 07540 - Thermoplastic Membrane Roofing roof and Deck Insulation, Strong wind and debris in the air lifted and detached the part of roof, this caused the water to enter through the roof, the soaked the ventilation. 50% of 7,600 SF. Photos:(20191108_100235, 20191108_100334, 20191108_100434), 0% work completed.
- Building Exterior, 3 each of 3 FT x 6 FT , 340 watts solar panel, High wind and wind driven rain impacted the roof, then winds detached all panels. Photos:(20191108_100301, 20191108_100337), 0% work completed.

Wall:

- Building Interior, 3,240 SF of Impervious tile and comply with ABRASION RESISTANCE – ASTM C1027 ceramic tile, Water intrusion through roof soaked most of ceramic tiles was stained due to moisture and induced a black mold growing. Photos:(20191108_114132), 0% work completed.
- Building Interior, 1,450 SF of 1/2 IN thick as a standard product., Vinyl covered Durasan

panels comply with ASTM Specification C 1396 and Federal Specification SS-L-30D. Approved, sag resistance equivalent to 5/8 IN Type X wallboard, Surface Burning ASTM E 84, Fiberglass Insulation with Galvanized Stud @ 16 IN gypsum Board (Colapsed), High wind and wind driven rain caused a water intrusion through roof soaked gypsum Board panel and created a black mold in most of walls. Photos:(20191108_102048, 20191108_102051, 20191108_104628, 20191108_114722), 0% work completed.

- Building Interior, 45,750 SF of black mold remediation gypsum Board, Water intrusion through roof soaked an acoustic Ceiling Tiles and induced black mold growing damaged most of ceiling. Photos:(20191108_104627, 20191108_104631, 20191108_114114), 0% work completed.
- Building Exterior, 21,680 SF of water based exterior paint first coat exterior Paintwork, High wind and wind driven rain damaged and removed interior paint layers Photos: (20191108_092529, 20191108_092548, 20191108_092550), 0% work completed.
- Building Interior, 58,512 SF of Water based interior Paint First Coat interior Paintwork, High wind and wind driven rain damaged and removed interior paint layers Photos: (20191108_103607), 0% work completed.

Window:

- Building Exterior, 33 each of 3 FT x 5 FT AAMA 2604 Dual seal single hung window, High winds and wind driven rain impacted the windows and ripped the lattice off, therefore damaged the door. Photos:(20191108_093549, 20191108_102107, 20191108_102109, 20191108_102158, 20191108_102230), 0% work completed.
- Building Exterior, 81 each of 6 FT W X 5 FT Jalousie Utility Louver Aluminum Window - White, 100% weather-stripped, finished aluminum frames jaloise aluminum windows to replaced, Strong winds and wind driven rain impacted adversatively most of windows, damaging lattices beyond repair. Photos:(20191108_092322, 20191108_092637, 20191108_093551), 0% work completed.
- Building Exterior, 2 each of 3 FT x 8 FT Insulated glass to have Edgetech warm edge spacer as secondary seal with Butyl primary seal, All glass is glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazing bead. Glass thickness to be 1/8 double strength up to 18 square feet fix glass aluminum Window, Strong winds and wind driven rain impacted adversatively most of windows, then broke various class lattices. Photos:(20191108_092740), 0% work completed.
- Building Exterior, 3 each of 12 FT x 9 FT Insulated glass to have Edgetech warm edge spacer as secondary seal with Butyl primary seal, All glass to be glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazing bead. Glass thickness to be 1/8 IN double strength up to 18 SF fix glass aluminum Window, Strong winds and wind driven rain impacted adversatively most of windows, damaged lattices beyond repair. Photos:(20191108_103901, 20191108_103903, 20191108_103910), 0% work completed.
- Building Exterior, 2 each of 8 FT x 9 FT Insulated glass to have Edgetech warm edge spacer as secondary seal with Butyl primary seal, All glass to be glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazing bead. Glass thickness to be 1/8 double strength up to 18 square feet Fix Glass Aluminum Window, Strong winds and wind driven rain impacted adversatively most of windows, then broke various class lattices. Photos:(20191108_103623, 20191108_103935), 0% work completed.
- Building Exterior, 2 each of 10FT x 9 FT Insulated glass to have Edgetech warm edge spacer as secondary seal with Butyl primary seal, All glass to be glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazing bead. Glass thickness to be 1/8 double strength up to 18 square feet fix glass aluminum Window, Strong winds and wind driven rain impacted adversatively most of windows, then broke various class lattices. Photos:(20191108_111845, 20191108_113537, 20191108_114629), 0% work completed.

Damage #152365; Building - 2371 - Golf Cart Storage

This Project/PW is a PA Alternative Procedures Project and funding is capped based on the fixed-cost estimate agreements for each project, in accordance with the Public Assistance Alternative Procedures (Section 428) Guide for Permanent Work, FEMA-4339-DR-PR.

General Facility Information:

- **Facility Type:** Building
- **Building Type:** Warehouse
- **Facility:** Building - 2371 - Golf Cart Storage
- **Facility Description:** This facility has 1 level with 104 feet wide X 52 foot Long X 20 High for an area of 5,408 SF approximately, this building is a warehouse, the structure is abandoned. The structural system consists of a steel frame with metal deck roof. The façade consists of sheet, facing metal sheets.
- **Approx. Year Built:** 1950
- **Location Description:** FORMER ROOSEVELT ROADS NAVY YARD, CEIBA, PR
- **GPS Latitude/Longitude:** 18.22215, -65.66989
- **Number of Stories:** 1

General Damage Information:

- **Date Damaged:** 9/17/2017 to 11/15/2017
- **Cause of Damage:** During the incident period of September 17, 2017 until November 15, 2017, wind driven rain and major hurricane force winds from hurricane Maria (DR 4339-PR) affected the Former Naval Station Roosevelt Roads located in the Municipalities of Ceiba and Naguabo. The subject property was damages by the weather phenomenal, such as: the building exteriors and interiors, roof and waterproofing system, electrical systems, windows, doors.

Building Damage:

Ceiling:

- Building Exterior, 12 each of 1 FT X 8 FT An ANSI ballast for standard 40-watt F40T12 lamps requires a ballast factor of 0.95; the same ballast has a ballast factor of 0.87 for 34-watt energy saving F40T12 lamps. Interior Lighting Fixtures Lights, Water intrusion through roof soaked an acoustic ceiling Tiles and induced black mold growing damaged frame and lamps. Photos:(20191101_093637), 0% work completed.

Floor:

- Building Interior, 4,500 SF of Apply bleach to the stain (using a spray bottle is the most efficient way to apply bleach). Let sit 20 minutes. floated cement to be clean, Water intrusion through roof soaked most of floated cement floor was stained due to moisture and induced a black mold growing. Photos:(20191101_093406), 0% work completed.

Roof:

- Building Exterior, 900 SF of Thickness : 0.80 to 2mm, CR Steel as per IS:513 D-Quality, Bare, Primer coated, Galvanized, Pre-Painted metal deck (45 FTx20 FT), The strong wind and debris in the air lifted and separated the roof, which caused the water to enter through the roof, so that the structure collapsed. Photos:(20191101_093645, 20191101_093713, 20191101_093645), 0% work completed.

Site:

- Building Exterior, Chain link fence, Galv. Ga. No. 9, Post - 2.5 inch diam x 6 feet height galv., 3-strands Barbed Wire (4-point) Perimeter Building, 520 LF long, High wind and airborne debris dislodged and detached fence. Photos:(20191101_093451), 0% work completed.

Wall:

- Building Exterior, 960 SF of Water based exterior Paint First Coat exterior paintwork, High wind and wind driven rain caused a water intrusion through roof damaged exterior paint and created a black mold in walls Photos:(20191101_093331), 0% work completed.

Window:

- Building Interior, 3 each of Jalousie Utility Louver Aluminum Screen Window - White, 100% weather-stripped, finished aluminum frames. 3 FT W X 5 FT Jaloise aluminum windows, Strong winds and wind driven rain impacted adversatively most of windows, then broke various class lattices. Photos:(20191101_094150, 20191101_094158), 0% work completed.

Final Scope

152174 Building - 1211 - Golf Club House

********** Version 1 **********

IMPROVED PROJECT

Version 1 was created as the Subrecipient formally request an Improved Project for project buildings 1211, 2371 and 2296. The project involves two tenants. Both are non-profit organizations that dedicate their work to the community. Equinoterapia PR offers equine therapeutic services to children in need as well as veterans. The Alianza Pro-Desarrollo Económico de Ceiba, Inc. (APRODEC) promotes the sustainable development of Ceiba and the eastern region of the island, offering capacity building to the residents of the region, among other services. The Subrecipient has decided that the public welfare and the community will be better served by reuse, repurpose, and restore structures and facilities to accommodate and fit their programmatic needs into the existing structures, while also addressing necessary building improvements and repairs the damages as established in the DDD (Damage Description and Dimensions) and HMP 406 proposal. As described, project amendment incorporates improvements or changes to its pre-disaster design not required by eligible codes or standards.

Work to be completed

Equinoterapia (Building 1211 and 2371)

The existing structure for DI 152174 has approximately 7,787 square feet and was used as a Golf Club House, while the structure of DI 152365 has 5,408 square feet and was formerly used as Golf Cart Storage. During Hurricane Maria - FEMA #4339DR - the facilities were affected by high winds and water intrusion which caused damages to its interior and exterior conditions.

Both structures have been partially adapted to the needs of the tenant, even so, it is necessary to make improvements and updates to the existing structures and add necessary and required spaces for the type of activity that is currently carried out. As part of the LRA philosophy of providing the necessary tools for the management of the Equinoterapia team and taking into consideration their needs and suggestions, we welcome the proposal for the reuse and rehabilitation of existing structures submitted by the entity. The Equinoterapia PR team developed a master plan for the space they occupy, divided into three phases, which would solve the current limitations and incorporate new elements necessary for its operation.

The first phase, which LRA plans to develop, involves the affected and inspected structures, rehabilitating them and bringing them up to date with current construction codes and standards.

The proposed program consists of the following:

a. New Access Road: This segment of road will serve Buildings 1 and 2 and consists of 1,130 SM. Typically the road construction consists of preparing, compacting and leveling the soil, and applying 3 layers of material, sub-base, (Typ. 6 IN depth), Base (Typ. 4 IN depth) and the Surface layer (Typ. 2 IN depth of Asphalt).

b. Parking Spaces: These spaces will be 12 ea. and will be marked with Thermoplastic paint and have 12 ea. wheel stops. Qty. and marking of ADA required parking will be determine in the following Design Phase.

c. Multipurpose Building: This is an existing building (DI 152365). It has an area of 3,873 SF of footprint. It is proposed to be reconditioned to accommodate and respond to the necessities of the tenant.

d. Administration Building: This existing building (DI 152174) has a footprint area of 8,140 SF, and will be prepared to hold the Reception, Restaurant, Bathrooms, Administrative offices and Therapy space.

e. Septic System: A 2-chamber septic system is proposed to be designed.

f. Site Illumination: Proposed site illumination will consist of solar powered luminaires with battery backups and installed in poles. Preliminary It is proposed 30 luminaires.

Improved Projects are Capped Projects and Public Assistance funding is limited to the lesser of the following:

- The Federal share of the approved estimated cost to restore the damaged facility to its pre-disaster design and function; or
- The Federal share of the actual costs of completing the Improved Project.

For this Improved Project the pre-disaster cost is $1,627,889.51 (See Scope Note 1) as scoped and costed in the pre disaster scope tab. Applicant is responsible of complying with all applicable local and federal laws and regulations and will submit all required documentation to FEMA for review in case of further changes.

Improved Project Estimated Cost Total: $1,521,714.88

Scope Note:

1. Sum of Buildings 1211 and 2371 (DI's 152174 and 152365).

Project Notes:

1. The Recipient have approved the Applicant request, see document labeled "*102776 - DR4339PR - Letter - Recipient Request Letter 02-15-2023 - SOW Change.pdf*" and "*FEMARspnLtr 4339LRAGM102776_PW6977 SOW 20230303.pdf*".

2. Improved Project Estimate for work to be completed, Scope of Work and additional supporting documentation were provided by the Applicant. See documents labeled: "*SCOPE ALIGNMENT- PROJECT 102776-FINAL REPORT - 12212022.pdf*".

406 HMP Scope

Project Num./Name: 102776 / MLRA013 - Buildings 1211, 2296, 2371
Damage Num. / DI Name: 152174; Building - 1211 - Golf Club House
Applicant: Local Redevelopment Authority for Roosevelt Roads (000-UVI93-00)
Municipality: Ceiba, PR

The mitigation to be performed includes the following:

1. Ceiling, Door, Floor, Light Fixture, Restroom, Roof, and Wall:
To protect, from hurricane force winds, airborne debris and wind driven rain, the 4,922 sft. of 24-gauge steel roofing panels, and the 2,400 sft. of section 07510 - built-up bituminous roofing, along with all the following interior items which are going to be protected from water percolation through the roof:

- 1,024 SF of wood beam
- 4,259 SF of 2FT x 4FT panel with noise reduction, water-repellent membrane acoustic ceiling tiles
- 2 each of 40 IN x 86 IN solid core, mahogany, flush wood door, smooth (1-3/4" thick)
- 1,054 SF of area carpet
- 6,001 SF of floor tile
- 60 each of 2 FT X 4 FT T12, medium bi-pi (G13), 1450 lumens, 6500k bulb color temp fluorescent, c.w. lamps

- 5 each of 2 FT x 2 FT wide beam square light
- 2 each of 1 FT w x 4 FT T12, medium bi-pin (G13), 1450 lumens, 6500k bulb color temp fluorescent, c.w. lamps
- 24 each of high-pressure sodium 150 - 400 watts, pulse start metal halide 150 watts, high bay acrylic 22" - enclosed conical lens circular halide, 150-watt light.
- 100 SF of solid plastic bathroom partition
- 4 each of 30-3/16" x 18" x 32-13/16", high efficiency toilet (HET)
- 6 each of bowl sizes: 15" (381mm) wide, 10" (254mm) front-to-back, 6-3/4" (171mm) deep, ADA compliant, bathroom lavatory
- 2 each of water urinal. Water intrusion through roof damaged the urinal. 0% work completed.
- 758 SF of 29-gauge metal siding
- 5,320 SF of wall paint

It is recommended to implement the following measures:

1.1. Substitution of the 4,922.00 sft. of 24-gauge steel roofing panels, with 4,922.00 sft. of .050" thick aluminum roof panels.

1.2. Addition of an anchoring system consisting of seventeen (17) cable tensors, eleven (11) in the longitudinal direction and six (6) in the transversal direction. Each tensor should include the following components:

a. Chemical Anchoring, for fastener 3/4" diam x 6" embedment (Qty: 2 ea.)
b. Stainless-Steel Anchor bolts, hooked type, single, 3/4" diameter x 8" long (Qty: 2 ea.)
c. Stainless-Steel Wire rope turnbuckle, jaw & jaw, 1/4 inches x 4 inches (Qty: 1 ea.)
d. Stainless-Steel Wire rope clip 1/4 inches diameter (Qty: 4 ea.)
e. Stainless-Steel Wire rope thimble, heavy duty, 1/4 inches (Qty: 2 ea.)
f. Stainless-Steel wire rope, fiber core, 1/4 inches diameter (Qty: variable according with the direction in which is going to be installed)

1.3. Substitution of the 2,400 sft. of 4-plies #15 asphalt felt built-up roofing system, with 2,400 sft. of 4-plies glass (type IV) built-up roofing system.

1.4. Substitution of the 179 ft. .032 in. aluminum or galvanized steel flashing, with 179 ft. x 1 ft. of .050 in. aluminum flashing, as well as the addition of the same material to the remaining 245 ft. to cover the entire perimeter of the building. Also, it is recommended to decrease the spacing between fastening, from 1 ft. to 6 in, to better secure such aluminum flashing.

Total mitigation net cost for Ceiling, Door, Floor, Light Fixture, Restroom, Roof, and Wall: $32,359.80
Total Cost for Pre-disaster (PA) Repair/Replacement SOW for Eligible Damages to be Mitigated = $130,663.12

Cost-effectiveness: 24.77%

2. Door, Wall, and Window:

To protect, from the high winds and wind driven rain, the 4 ea. of 40 in. x 86 in. glass w/ alum frame door, 4 ea. of 40 in. x 86 in. UL listed marine frameless metal fire rated doors, 1 ea. of 10 ft. x 7 ft. solid core mahogany flush wood door, 1 ea. of 13 ft. x 7 ft. solid core mahogany flush wood door, the 8,040 sft. of water based interior paint first coat interior paintwork, the 1,600 sft. of 0.25 in. thickness cement plaster, 6 ea. of 4 ft. x 4 ft. insulated glass, 15 ea. of 3 ft. x 4 ft. insulated glass, 3 ea. of 16 ft. x 16 ft. insulated glass; it is recommended to implement the following measures:

2.1. Substitution of the .03" vinyl, 1/4" thick laminated glass, with a .06" vinyl, 5/8" thick laminated glass, on each of the 4 ea. of 40 in. x 86 in. glass w/ alum frame door (21 sft. per door approx.).

2.2. Addition of 4 mil. safety film to the glass, on each side of the 4 ea. of 40 in. x 86 in. glass w/ alum frame door (42 sft. per door approx.).

2.3. Substitution of the 4 ea. of 40 in. x 86 in. UL listed marine frameless 20-gauge metal fire rated door, with 4 ea. of 40 in. x 86 in. UL listed marine frameless 16-gauge metal fire rated door.

2.4. Substitution of the .03" vinyl, 1/4" thick laminated glass, with a .06" vinyl, 5/8" thick laminated glass, on each of the 6 ea. of 4 ft. x 4 ft. window.

2.5. Addition of 4 mil. safety film to the glass, on each side of the 6 ea. of 4 ft. x 4 ft. window.

2.6. Substitution of the .03" vinyl, 1/4" thick laminated glass, with a .06" vinyl, 5/8" thick laminated glass, on each of the 15 ea. of 3 ft. x 4 ft. window.

2.7. Addition of 4 mil. safety film to the glass, on each side of the 15 ea. of 3 ft. x 4 ft. window.

2.8. Substitution of the .03" vinyl, 1/4" thick laminated glass, with a .06" vinyl, 5/8" thick laminated glass, on each of the 3 ea. of 16 ft. x 16 ft. window.

2.9. Addition of 4 mil. safety film to the glass, on each side of the 3 ea. of 16 ft. x 16 ft. window.

Total mitigation net cost for Door, Wall and Window: $34,493.40
Total Cost for Pre-disaster (PA) Repair/Replacement SOW for Eligible Damages to be Mitigated = $51,755.28

Cost-effectiveness: 66.65%

DI152174's Costs:

Total Net Cost of Hazard Mitigation Proposal Scope of Work = $66,853.20
Hazard Mitigation SOW's City Adjustment Factor: $33,036.38
Hazard Mitigation SOW's Taxes: $8,743.42
Hazard Mitigation SOW's CEF: $128,127.75

Total: $236,760.75

152336 Building - 2296 - Administration

********** **Version 1** **********

IMPROVED PROJECT

Version 1 was created as the Subrecipient formally request an Improved Project for project buildings 1211, 2371 and 2296. The project involves two tenants. Both are non-profit organizations that dedicate their work to the community. Equinoterapia PR offers equine therapeutic services to children in need as well as veterans. The Alianza Pro-Desarrollo Económico de Ceiba, Inc. (APRODEC) promotes the sustainable development of Ceiba and the eastern region of the island, offering capacity building to the residents of the region, among other services. The Subrecipient has decided that the public welfare and the community will be better served by reuse, repurpose, and restore structures and facilities to accommodate and fit their programmatic needs into the existing structures, while also addressing necessary building improvements and repairs the damages as established in the DDD (Damage Description and Dimensions) and HMP 406 proposal. As described, project amendment incorporates improvements or changes to its pre-disaster design not required by eligible codes or standards.

Work to be completed

APRODEC (Building 2296)

The existing structure has approximately 31,368 square feet and was used as an Administration building by the Navy. Currently, APRODEC facilities are located there. During Hurricane Maria - FEMA #4339DR - the facility was affected by high winds and water intrusion which caused damages to its interior and exterior conditions.

Being APRODEC a non-profit organization that offers the community business growth and sustainable entrepreneurship workshops, they took on the task of rehabilitating the building, taking into consideration the different needs they had. Today, the structure is partially remodeled with the help of the community, professionals and support groups that constantly visit and create brigades with specific tasks of rehabilitation of selected areas.

APRODEC's proposal for the existing building has two components. Community development and Ecotourism. For community development, APRODEC proposes business incubation centers, idea and project laboratories, a neuroscience laboratory, and their respective administrative offices and conference rooms. As for ecotourism, they plan to offer lodging spaces at affordable prices. Each room will have its bathroom and kitchen.

LRA has carefully examined requests from APRODEC in areas where there is room to grow and improve the experience of those who visit its facilities. APRODEC has carried out a Development Plan for the existing building, which includes other neighboring ones, to create a rich and interesting experience for its visitors.

The Proposed program includes the following:

First Floor

a. Intervention in First floor will consist in the use of existing space planning to accommodate the new proposed uses and program

which includes:

1. Offices
2. Conference room
3. Bathrooms
4. Kitchen
5. Hostel
6. Elevator repair
7. Laundry
8. Electrical room
9. Bedrooms
10. Exterior Gazebo

Second Floor

a. The proposed program includes:

1. Audiovisual room
2. Conference room
3. Control Room
4. Office space
5. Bathrooms
6. Kitchen space
7. Bedrooms

Third floor

a. The proposed program includes:

1. Neuroscience Laboratory
2. Administration Offices
3. Bathrooms
4. Bedrooms

Improved Projects are Capped Projects and Public Assistance funding is limited to the lesser of the following:

- The Federal share of the approved estimated cost to restore the damaged facility to its pre-disaster design and function; or
- The Federal share of the actual costs of completing the Improved Project.

For this Improved Project the pre-disaster cost is $3,311,427.45 (See Scope Note 1) as scoped and costed in the pre disaster scope tab. Applicant is responsible of complying with all applicable local and federal laws and regulations and will submit all required documentation to FEMA for review in case of further changes.

Improved Project Estimated Cost Total: $3,263,601.24

Scope Note:

1. Total is the from DI# 152336 instead as stayed on page 47 form document labeled "*SCOPE ALIGNMENT- PROJECT 102776-FINAL REPORT - 12212022.pdf*".

2. Refer to conceptual drawings in Exhibits G - L form document labeled "*SCOPE ALIGNMENT- PROJECT 102776-FINAL REPORT - 12212022.pdf*" for details.

406 HMP Scope

Project Num./Name: 102776 / MLRA013 - Buildings 1211, 2296, 2371
Damage Num. / DI Name: 152336; Building - 2296 - Administrative Bldg Afwtf
Applicant: Local Redevelopment Authority for Roosevelt Roads (000-UVI93-00)
Municipality: Ceiba, PR

The mitigation to be performed includes the following:

1. Ceiling, Floor, and Window:
To protect, from hurricane winds and windblown debris, the following items:
- 12 each of high-pressure sodium 150 - 400 watts wall pack
- 2 each of 1 FT X 1FT, 18-Watt, 4000K, cool white light square light
- 30 each of 2FT X 2FT, 18-Watt, 4000K, cool white light square light
- 31 each of 400-800 lumens per spotlight
- 1,577 each of neoprene rubber sheet, rolls, strips 1/8 IN (.125 IN) thick x 6 IN wide x 10 FT long resilient baseboard
- 2,659 LF of clear, stained or painted wood baseboard molding
- 33 each of 3 FT x 5 FT AAMA 2604 dual seal single hung window
- 81 each of 6 FT W X 5 FT jalousie utility louver aluminum window - white, 100% weather-stripped
- 2 each of 3 FT x 8 FT Insulated glass
- 3 each of 12 FT x 9 FT insulated glass
- 2 each of 8 FT x 9 FT insulated glass
- 2 each of 10FT x 9 FT insulated glass

It is recommended to implement the following measures:
1.1. Substitution of the 33 ea. 3 ft. x5 ft. single-hung window, with 33 ea. 3 ft. x 5 ft. impact resistant single-hung window.
1.2. Substitution of the 81 ea. 6 ft. x 5 ft. jalousie utility louver aluminum window, with 81 ea. 6 ft. x 5 ft. security aluminum window.
1.3. Substitution of the .03" vinyl, 1/4" thick laminated glass, with a .06" vinyl, 5/8" thick laminated glass, on each of the 2 ea. of 3 ft. x 8 ft. window.
1.4. Addition of 4 mil. safety film to the glass, on each side of the 2 ea. of 3 ft. x 8 ft. window.
1.5. Substitution of the .03" vinyl, 1/4" thick laminated glass, with a .06" vinyl, 5/8" thick laminated glass, on each of the 3 ea. of 12 ft. x 9 ft. window.
1.6. Addition of 4 mil. safety film to the glass, on each side of the 3 ea. of 12 ft. x 9 ft. window.
1.7. Substitution of the .03" vinyl, 1/4" thick laminated glass, with a .06" vinyl, 5/8" thick laminated glass, on each of the 2 ea. of 8 ft. x 9 ft. window.
1.8. Addition of 4 mil. safety film to the glass, on each side of the 2 ea. of 8 ft. x 9 ft. window.
1.9. Substitution of the .03" vinyl, 1/4" thick laminated glass, with a .06" vinyl, 5/8" thick laminated glass, on each of the 2 ea. of 10 ft. x 9 ft. window.
1.10. Addition of 4 mil. safety film to the glass, on each side of the 2 ea. of 10 ft. x 9 ft. window.

Total mitigation net cost for Ceiling, Floor, and Window: $67,166.97
Total Cost for Pre-disaster (PA) Repair/Replacement SOW for Eligible Damages to be Mitigated = $106,942.77

Cost-effectiveness: 62.81 %

2. Ceiling, Floor, Restrooms, Roof, and Wall:
To protect, from hurricane winds and windblown debris, the 450 LF long of 0.032-ga. aluminum flashing, and the 3,857 SF of section 07510 - built-up bituminous roofing and deck Insulation; and to protect, from water percolation through the roof, the following items:

- 9 each of 1 FT x 4 FT ANSI ballast for standard 40-watt F40T12 lamps
- 1,868 SF of 2 IN x 8 IN x 16 FT gypsum board fascia
- 206 each of 2 FT x 4 FT ANSI ballast for standard 40-watt F40T12 lamp
- 16,378 SF of 2 FT x 4 FT panels with noise reduction water-repellent membrane acoustic ceiling tiles
- 1 each of 1FT x 6FT an ANSI ballast for standard 40-watt F40T12 lamp
- 14,274 SF of carpet, the 848 SF of 2FT x 2F Impervious tile
- 2,782 SF of stained vinyl tiles, the 1,506 SF of polyvinyl chloride resin binder, fillers, and pigments vinyl tiles
- 684 SF of solid plastic bathroom partition, the 3,240 SF of impervious tile
- 1,450 SF of 1/2 IN thick vinyl covered Durasan panels
- 45,750 SF of black mold remediation gypsum board.

It is recommended to implement the following measures:
2.1. Substitution of the 3,857 sft. of 4-plies #15 asphalt felt built-up roofing system, with 3,857 sft. of 4-plies glass (type IV) built-up roofing system.
2.2. Substitution of the 450 ft. .032 in. aluminum or galvanized steel flashing, with 450 ft. x 1 ft. of .050 in. aluminum flashing of .050 in. flashing, as well as the addition of the same material to the remaining 34 ft. to cover the entire perimeter of the building. Also, it is recommended to decrease the spacing between fastening, from 1 ft. to 6 in, to better secure such aluminum flashing.

Total mitigation net cost for Ceiling, Floor, Restrooms, Roof, and Wall: $230,861.34
Total Cost for Pre-disaster (PA) Repair/Replacement SOW for Eligible Damages to be Mitigated = $380,785.87

Cost-effectiveness: 60.63%

DI152336's Costs:

Total Net Cost of Hazard Mitigation Proposal Scope of Work = $298,028.31
Hazard Mitigation SOW's City Adjustment Factor: $186,593.94
Hazard Mitigation SOW's Taxes: $11,542.76
Hazard Mitigation SOW's CEF: $557,620.39

Total: $1,053,785.39

152365 Building - 2371 - Golf Cart Storage

********** **Version 1** **********

Please refer to Damage Inventory # 152174.

406 HMP Scope

Project Num./Name: 102776 / MLRA013 - Buildings 1211, 2296, 2371
Damage Num. / DI Name: 152365; Building - 2371 - Golf Cart Storage
Applicant: Local Redevelopment Authority for Roosevelt Roads (000-UVI93-00)
Municipality: Ceiba, PR

The mitigation to be performed includes the following:

1. Ceiling, Floor, and Roof:
To protect, from hurricane winds and windblown debris, the 900 SF of 24-gauge steel roofing panels and to protect, from water percolation through the roof, the 12 each of 1 FT X 8 FT ANSI ballast for standard 40-watt F40T12 lamps, and the 4,500 SF of stained cement floor; it is recommended to implement the following measures:
1.1. Substitution of the 900.00 sft. of 24-gauge steel roofing panels, with 900.00 sft. of .050" thick aluminum roof panels.
1.2. Addition of 312 ft. of .050 in. aluminum flashing around the perimeter of the building. Also, it is recommended to decrease

the spacing between fastening, from 1 ft. to 6 in, to better secure such aluminum flashing.

1.3. Addition of an anchoring system consisting of eight (8) cable tensors, in the transversal direction. Each tensor should include the following components:

a. Chemical Anchoring, for fastener 3/4" diam x 6" embedment (Qty: 2 ea.)
b. Stainless-Steel Anchor bolts, hooked type, single, 3/4" diameter x 8" long (Qty: 2 ea.)
c. Stainless-Steel Wire rope turnbuckle, jaw & jaw, 1/4 inches x 4 inches (Qty: 1 ea.)
d. Stainless-Steel Wire rope clip 1/4 inches diameter (Qty: 4 ea.)
e. Stainless-Steel Wire rope thimble, heavy duty, 1/4 inches (Qty: 2 ea.)
f. Stainless-Steel wire rope, fiber core, 1/4 inches diameter (Qty: 64 ft.)

Total mitigation net cost for Ceiling, Floor, and Roof: $10,601.99
Total Cost for Pre-disaster (PA) Repair/Replacement SOW for Eligible Damages to be Mitigated = $14,155.54

Cost-effectiveness: 74.90 %

2. Site:

To protect, from high wind and airborne debris, the 520 ft. of 9-gauge galvanized chain link fence, it is recommended to implement the following measures:

2.1 Addition of fourteen (14) 2.5-in. OD posts, which is going to reduce the distance between posts from 10 ft. to 8 ft. Those posts must be located at corners, ends and every 24 ft. where possible.

2.2 Install all the fence posts at a depth of 3 ft. instead of 1 ft.

2.3 Increase the amount of tying points in a 50% of the in comparison with the pre-existing fences.

Total mitigation net cost for Site: $4,125.10
Total Cost for Pre-disaster (PA) Repair/Replacement SOW for Eligible Damages to be Mitigated = $28,724.80

Cost-effectiveness: 14.36%

3. Window:

To protect, from strong winds and wind driven rain, the 3 each of 3 FT W X 5 FT jalousie utility louver aluminum window, it is recommended to implement the following measure:

3.1. Substitution of the 3 each of 3 FT W X 5 FT jalousie utility louver aluminum window, with 3 ea. 3 ft. x 5 ft. security aluminum window.

Total mitigation net cost for Window: $899.43
Total Cost for Pre-disaster (PA) Repair/Replacement SOW for Eligible Damages to be Mitigated = $965.82

Cost-effectiveness: Site: 93.13%

DI152365's Costs:

Total Net Cost of Hazard Mitigation Proposal Scope of Work = $15,626.52
Hazard Mitigation SOW’s City Adjustment Factor: $14,646.62
Hazard Mitigation SOW’s Soft Costs: $8,635.40

Total: $38,908.55

Cost

Code	Quantity	Unit	Total Cost	Section
9201 (PAAP Fixed Estimate (No Value - Tracking Purposes Only))	1.00	Lump Sum	$0.00	Completed
9000 (Building 1211 - Golf Club House)	1.00	Lump Sum	$94,867.84	Uncompleted
9000 (Building 1211 - Golf Club House)	1.00	Lump Sum	$1,409,904.54	Uncompleted
9201 (PAAP Fixed Estimate (No Value - Tracking Purposes Only))	1.00	Lump Sum	$0.00	Completed
9000 (Building 2296 - Administration)	1.00	Lump Sum	$178,467.34	Uncompleted
9000 (Building 2296 - Administration)	1.00	Lump Sum	$3,132,960.11	Uncompleted
9201 (PAAP Fixed Estimate (No Value - Tracking Purposes Only))	1.00	Lump Sum	$0.00	Completed
9001 (Building 2371 - Golf cart storage)	1.00	Lump Sum	$123,117.13	Uncompleted

CRC Gross Cost	$4,939,316.96
Total 406 HMP Cost	$1,329,454.69
Total Insurance Reductions	$0.00
CRC Net Cost	$6,268,771.65
Federal Share (90.00%)	$5,641,894.49
Non-Federal Share (10.00%)	$626,877.16

Award Information

Version Information

Version #	Eligibility Status	Current Location	Bundle Number	Project Amount	Cost Share	Federal Share Obligated	Date Obligated
0	Eligible	Awarded	PA-02-PR-4339-PW-06977(6972)	$6,268,771.65	90%	$5,641,894.49	12/11/2020
1	Eligible	In Review		$0.00	90%	$0.00	

Drawdown History

EMMIE Drawdown Status As of Date	IFMIS Obligation #	Expenditure Number	Expended Date	Expended Amount
8/23/2023	4339DRPRP00069771	20172ASK-08222023	8/21/2023	$1,410,473.62
1/21/2025	4339DRPRP00069771	20172ASK-01162025	1/15/2025	($1,410,473.62)

Obligation History

Version #	Date Obligated	Obligated Cost	Cost Share	IFMIS Status	IFMIS Obligation #
0	12/11/2020	$5,641,894.49	90%	Accepted	4339DRPRP00069771

Subgrant Conditions

- As described in 2 CFR, Part 200 § 200.333, financial records, supporting documents, statistical records and all other non-Federal entity records pertinent to a Federal award must be retained for a period of three (3) years from the date of submission of the final expenditure report or, for Federal awards that are renewed quarterly or annually, from the date of the submission of the quarterly or annual financial report, respectively, as reported to the Federal awarding agency or pass-through entity in the case of a sub-recipient. Federal awarding agencies and pass-through entities must not impose any other record retention requirements upon non-Federal entities. Exceptions, Part 200.333, (a) – (f), (1), (2). All records relative to this Project Worksheet are subject to examination and audit by the State, FEMA and the Comptroller General of the United States and must reflect work related to disaster-specific costs.
- In the seeking of proposals and letting of contracts for eligible work, the Applicant/Subrecipient must comply with its Local, State (provided that the procurements conform to applicable Federal law) and Federal procurement laws, regulations, and procedures as required by FEMA Policy 2 CFR Part 200, Procurement Standards, §§ 317-326.
- The Recipient must submit its certification of the applicant's completion of this project, the final claim for payment, and supporting documentation within 180 days from the date that the applicant completes the scope of work. Project Worksheets written as large projects (costs above the large project threshold) are reimbursed based on the actual eligible final project costs. Therefore, during the final project reconciliation (closeout), the project may be amended to reflect the reconciliation of actual eligible costs.
- When any individual item of equipment purchased with PA funding is no longer needed, or a residual inventory of unused supplies exceeding $5,000 remains, the subrecipient must follow the disposition requirements in Title 2 Code of Federal Regulations (C.F.R.) § 200.313-314.
- The terms of the FEMA-State Agreement are incorporated by reference into this project award under the Public Assistance grant and the applicant must comply with all applicable laws, regulations, policy, and guidance. This includes, among others, the Robert T. Stafford Disaster Relief and Emergency Assistance Act; Title 44 of the Code of Federal Regulations; FEMA Policy No. 104-009-2, Public Assistance Policy and Program Guide; and other FEMA policy and guidance.
- The DHS Standard Terms and Conditions in effect as of the date of the declaration of this major disaster are incorporated by reference into this project award under the Public Assistance grant, which flow down from the Recipient to subrecipients unless a particular term or condition indicates otherwise.
- The Uniform Administrative Requirements, Cost Principles, and Audit Requirements set forth at 2 C.F.R. pt. 200 apply to this project award under the Public Assistance grant, which flow down from the Recipient to all subrecipients unless a particular section of 2 C.F.R. pt. 200, the FEMA-State Agreement, or the terms and conditions of this project award indicate otherwise. See 2 C.F.R. §§ 200.101 and 110.
- The applicant must submit a written request through the Recipient to FEMA before it makes a change to the approved scope of work in this project. If the applicant commences work associated with a change before FEMA approves the change, it will jeopardize financial assistance for this project. See FEMA Policy No. 104-009-2, Public Assistance Program and Policy Guide.
- Pursuant to section 312 of the Stafford Act, 42 U.S.C. 5155, FEMA is prohibited from providing financial assistance to any entity that receives assistance from another program, insurance, or any other source for the same work. The subrecipient agrees to repay all duplicated assistance to FEMA if they receive assistance for the same work from another Federal agency, insurance, or any other source. If an subrecipient receives funding from another federal program for the same purpose, it must notify FEMA through the Recipient and return any duplicated funding.

Insurance

Additional Information

6/12/2024

No adjustments to be made to the previous insurance coverage determination, no revisions to narrative needed, updated applicant tracker if needed, providing administrative function and forwarding project for completion.

Charlotte De Jesus Negron, PA Insurance Specialist
CRC Atlantic, Guaynabo, PR

4/21/2023

GENERAL INFORMATION

Event: 4339DR-PR

Project: SP-102776

Category of Work: Cat E - Buildings & Equipment

Applicant: Local Redevelopment Authority for Roosevelt Roads

Event Type: Hurricane / Maria

Cause of Loss: Wind / Wind Driven Rain

Incident Period: 9/17/2017 to 11/15/2017

Total Public Assistance Amount: $6,268,771.65 (CRC Gross Cost $4,939,316.96 + HMP Cost $1,329,454.69)

COMMERCIAL INSURANCE INFORMATION

Does the Applicant have a Commercial Policy: No

NUMBER OF DAMAGED INVENTORIES INCLUDED IN THIS PROJECT: (3)

Damaged Inventory (DI) #152174:

Building - 1211 - Golf Club House

Number of damaged locations included in this DI: (1)

Location Description: "FORMER ROOSEVELT ROADS NAVY YARD, CEIBA, PR "

GPS Coordinates: 18.22256, -65.67021

Cause of Loss: Wind / Wind Driven Rain

SOV / Schedule #: Not insured. ; see: "*Applicant Insurance Coverage Letter.pdf*".

SOV / Schedule Amount: Not insured.

Applicable Deductible Amount: Not insured.

Damage Inventory Amount: $1,741,533.13 (CRC Gross Cost $1,504,772.38 + HMP Cost $236,760.75)

Prior Obtain and Maintain Requirement:

No prior insurance requirements were found for this facility.

Reduction(s):

No Reduction is being made to this facility.

Obtain and Maintain Requirement:

An Obtain & Maintain Requirement is being required for Building, for the peril of Wind (all wind associated losses including "wind driven rain" for "*Building - 1211 - Golf Club House*" in the amount of $1,741,533.13 (Insurable CRC Gross Cost $1,504,772.38 + Insurable HMP Cost $236,760.75); see: "*SP102776-DR4339PR-DI 152174 -CEF - Insurance1.xlsx"* & "*DR4339PR_PN102776_Mitigation Cost Estimate - Insurance1.xlsx*".

Damaged Inventory (DI) #152336:

Building - 2296 - Administrative Bldg Afwtf

Number of damaged locations included in this DI: (1)

Location Description: "FORMER ROOSEVELT ROADS NAVY YARD, CEIBA, PR "

GPS Coordinates: 18.21717, -65.65659

Cause of Loss: Wind / Wind Driven Rain

SOV / Schedule #: Not insured. ; see: "*Applicant Insurance Coverage Letter.pdf*".

SOV / Schedule Amount: Not insured.

Applicable Deductible Amount: Not insured.

Damage Inventory Amount: $4,365,212.84 (CRC Gross Cost $3,311,427.45 + HMP Cost $1,053,785.39)

Prior Obtain and Maintain Requirement:

No prior insurance requirements were found for this facility.

Reduction(s):

No Reduction is being made to this facility.

Obtain and Maintain Requirement:

An Obtain & Maintain Requirement is being required for Building, for the peril of Wind (all wind associated losses including "wind driven rain" for "*Building - 2296 - Administrative Bldg Afwtf* " in the amount of $4,365,212.84 (Insurable CRC Gross Cost $3,311,427.45 + Insurable HMP Cost $1,053,785.39); see: "*SP102776-DR4339PR-DI 152336 -CEF - Insurance1.xlsx*" & "*DR4339PR_PN102776_Mitigation Cost Estimate - Insurance1.xlsx*".

Damaged Inventory (DI) #152365:

Building - 2371 - Golf Cart Storage

Number of damaged locations included in this DI: (1)

Location Description: "FORMER ROOSEVELT ROADS NAVY YARD, CEIBA, PR "

GPS Coordinates: 18.22215, -65.66989

Cause of Loss: Wind / Wind Driven Rain

SOV / Schedule #: Not insured.; see: "*Applicant Insurance Coverage Letter.pdf*".

SOV / Schedule Amount: Not insured.

Applicable Deductible Amount: Not insured.

Damage Inventory Amount: $162,025.68 (CRC Gross Cost $123,117.13 + HMP cost $38,908.55)

Prior Obtain and Maintain Requirement:

No prior insurance requirements were found for this facility.

Reduction(s):

No Reduction is being made to this facility.

Obtain and Maintain Requirement:

An Obtain & Maintain Requirement is being required for Building, for the peril of Wind (all wind associated losses including "wind driven rain" for "*Building - 2371 - Golf Cart Storage*" in the amount of $102,927.27 (CRC Gross Cost $123,117.13 – Uninsurable CRC Gross Cost $48,004.40 + Insurable HMP Cost $27,814.54); see: "*SP 102776 DR4339PR - DI 152365 -CE - Insurance1.xlsm*" & "*DR4339PR_PN102776_Mitigation Cost Estimate - Insurance1.xlsx*".

Insurance Proceeds Statement:

FEMA's Recovery Policy FP 206-086-1, Public Assistance Policy on Insurance (June 29, 2015), requires applicants to take reasonable efforts to recover insurance proceeds that it is entitled to receive from its insurers. FEMA will consider final insurance settlements that may be less than the insurance policy limits when an applicant demonstrates that it has taken reasonable efforts to recover insurance proceeds that it is entitled on a case-by-case basis.

Standard Insurance Comments

FEMA Policy 206-086-1
PART 2: Other Insurance-Related Provisions. (Sections 312 and 406(d) of the Stafford Act)

A. Duplication of Benefits. FEMA cannot provide assistance for disaster-related losses that duplicate benefits available to an applicant from another source, including insurance.

1. Before FEMA approves assistance for a property, an applicant must provide FEMA with information about any actual or anticipated insurance settlement or recovery it is entitled to for that property.

2. FEMA will reduce assistance to an applicant by the amount of its actual or anticipated insurance proceeds.

3. Applicants must take reasonable efforts to recover insurance proceeds that they are entitled to receive from their insurer(s).

FEMA Policy 206-086-1
H. Subsequent Assistance. When a facility that received assistance is damaged by the same hazard in a subsequent disaster:

1. If the applicant failed to maintain the required insurance from the previous disaster, then the facility is not eligible for assistance in any subsequent disaster.

2. Upon proof that the applicant maintained its required insurance, FEMA will reduce assistance in the subsequent disaster by the amount of insurance required in the previous disaster regardless of:

a. The amount of any deductible or self-insured retention the applicant assumed ("retained risk").

Obtain and Maintain Requirements:

44 CFR § 206.253 Insurance requirements for facilities damaged by disasters other than flood.

(a) Prior to approval of a Federal grant for the restoration of a facility and its contents which were damaged by a disaster other than flood, the recipient shall

notify the Regional Administrator of any entitlement to insurance settlement or recovery for such facility and its contents. The Regional Administrator shall reduce the eligible costs by the actual amount of insurance proceeds relating to the eligible costs.

(b)

(1) Assistance under section 406 of the Stafford Act will be approved only on the condition that the recipient obtain and maintain such types and amounts of insurance as are reasonable and necessary to protect against future loss to such property from the types of hazard which caused the major disaster. The extent of insurance to be required will be based on the eligible damage that was incurred to the damaged facility as a result of the major disaster. The Regional Administrator shall not require greater types and extent of insurance than are certified as reasonable by the State Insurance Commissioner.

(2) Due to the high cost of insurance, some applicants may request to insure the damaged facilities under a blanket insurance policy covering all their facilities, an insurance pool arrangement, or some combination of these options. Such an arrangement may be accepted for other than flood damages. However, if the same facility is damaged in a similar future disaster, eligible costs will be reduced by the amount of eligible damage sustained on the previous disaster.

(c) The Regional Administrator shall notify the recipient of the type and amount of insurance required. The recipient may request that the State Insurance Commissioner review the type and extent of insurance required to protect against future loss to a disaster-damaged facility, the Regional Administrator shall not require greater types and extent of insurance than are certified as reasonable by the State Insurance Commissioner.

(d) The requirements of section 311 of the Stafford Act are waived when eligible costs for an insurable facility do not exceed $5,000. The Regional Administrator may establish a higher waiver amount based on hazard mitigation initiatives which reduce the risk of future damages by a disaster similar to the one which resulted in the major disaster declaration which is the basis for the application for disaster assistance.

(e) The recipient shall provide assurances that the required insurance coverage will be maintained for the anticipated life of the restorative work or the insured facility, whichever is the lesser.

(f) No assistance shall be provided under section 406 of the Stafford Act for any facility for which assistance was provided as a result of a previous major disaster unless all insurance required by FEMA as a condition of the previous assistance has been obtained and maintained.

Final Obtain and Maintain requirement amount will be determined during the closeout process after the final actual eligible costs to repair or replace the insurable facility have been determined.

FEMA Policy 206-086-1

F. Timeframes for Obtaining Insurance. FEMA will only approve assistance under the condition that an applicant obtains and maintains the required insurance.

The applicant must document its commitment to comply with the insurance requirement with proof of insurance.

If an applicant cannot insure a facility prior to grant approval (for example, if a building is being reconstructed), the applicant may provide a letter of commitment stating that they agree to the insurance requirement and will obtain the types and extent of insurance required, followed at a later date by proof of insurance once it is obtained. In these cases, the applicant should insure the property:

a. When the applicant resumes use of or legal responsibility for the property (for example, per terms of construction contract or at beneficial use of the property); or

b. When the scope of work is complete.

FEMA and the recipient will verify proof of insurance prior to grant closeout to ensure the applicant has complied with the insurance requirement.

An applicant should notify FEMA—in writing through the recipient—of changes to their insurance which impact their ability to satisfy the insurance requirement after it provides proof of insurance to FEMA. This includes changes related to self-insurance. If an applicant fails to do this, FEMA may de-obligate assistance and not provide assistance in a future disaster.

Charlotte De Jesus Negron, PA Insurance Specialist

CRC Atlantic, Guaynabo PR

O&M Requirements

Insured Peril	Item Type	Description	Required Coverage Amount
Wind	Building	An Obtain & Maintain Requirement is being required for Building, for the peril of Wind (all wind associated losses including "wind driven rain" for “Building - 1211 - Golf Club House” in the amount of $1,741,533.13.	$1,741,533.13
Wind	Building	An Obtain & Maintain Requirement is being required for Building, for the peril of Wind (all wind associated losses including "wind driven rain" for “Building - 2296 - Administrative Bldg Afwtf ” in the amount of $4,365,212.84.	$4,365,212.84
Wind	Building	An Obtain & Maintain Requirement is being required for Building, for the peril of Wind (all wind associated losses including "wind driven rain" for “Building - 2371 - Golf Cart Storage” in the amount of $102,927.27.	$102,927.27

406 Mitigation

There is no additional mitigation information on **Improved Project - MLRA013 - Buildings 1211, 2296, 2371**.

Environmental Historical Preservation

Is this project compliant with EHP laws, regulations, and executive orders? **Yes**

EHP Conditions

- Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.
- This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize funding.
- If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archaeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.
- Executive Order 11988 – Floodplains Condition: Applicant must comply with the appropriate local floodplain management ordinance or if more restrictive per EO 11988 Sec. 2(a)(1) best available data as defined by the Puerto Rico Advisory Base Flood Elevation (ABFE, 2018) Map. Applicant must coordinate with the local floodplain administrator, obtain any required permits prior to initiating work, and comply with any conditions of the permit, as well as the National Flood Insurance Program (NFIP) requirements to ensure harm to and from the floodplain is minimized. All coordination pertaining to these activities should be retained as part of the project file in accordance with the respective grant program instructions.
- Executive Order 11990- Wetlands Condition: The Applicant shall ensure best management practices are implemented to prevent erosion and sedimentation to surrounding, nearby or adjacent wetlands. To ensure that wetlands are not adversely impacted, per the Clean Water Act and Executive Order 11990, equipment storage and staging of construction materials and machinery should be in a location that would prevent erosion and sedimentation.
- Endangered Species Act (ESA) Conditions for Epicrates Inornatus (Puerto Rican Boa) 1. Inform all personnel about the potential presence of the PR boa and the VI boa in areas where the proposed work will be conducted. Photographs of the PR and VI Boa are to be prominently displayed at the site. The recipient must ensure that project personnel is able to correctly identify a PR or VI boa. For information on PR boa, please visit: https://ecos.fws.gov/ecp/species/6628. 2. Prior to any construction activity, including removal of vegetation and earth movement, the boundaries of the project area must be delineated, buffer zones, and areas to be excluded and protected, should be clearly marked in the project plan and in the field to avoid further habitat degradation into forested areas. Once areas are clearly marked, and prior to any construction activity, including site preparation, project personnel able to correctly identify a PR or VI boa must survey the areas to be cleared to ensure that no boas are present within the work area. Vehicle and equipment operation must remain on designated access roads/paths and within rights-of way. 3. If a PR boa is found within any of the working or construction

areas, activities should stop in the area where the boa was found. Do not capture the boa. If boas need to be moved out of harm's way, project personnel designated by the recipient shall immediately contact the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers for safe capture and relocation of the animal (PRDNER phone #s: 787-724-5700, 787-230-5550, 787-771-1124). If immediate relocation is not an option, project-related activities at this area must stop until the boa moves out of harm's way on its own. Activities at other work sites, where no boas have been found after surveying the area, may continue. 4. Measures should be taken to avoid and minimize PR boa casualties by heavy machinery or motor vehicles being used on site. Any heavy machinery left on site (staging) or near potential PR boa habitat (within 50 meters of potential boa habitat), needs to be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the equipment. If PR boas are found within vehicles or equipment, do not capture the animal and let it move on its own or call PRDNER Rangers for safe capture and relocation of the boa (PRDNER phone #s: 787-724-5700, 787-230-5550, 787-771-1124). If not possible, the animal should be left alone until it leaves the vehicle on its own. 5. PR boas may seek shelter in debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in debris piles as a result of project activities. Debris piles should be placed far away from forested areas. Prior to moving, disposing or shredding, debris piles should be carefully inspected for the presence of boas. If PR boas are found within debris piles, do not capture the animal and let it move on its own or call PRDNER Rangers for safe capture and relocation of the animal. If debris piles will be left on site, we recommend they be placed in areas that will not be disturbed in the future. 6. For all boa sightings (dead or alive), personnel designated by the recipient must record the time and date of the sighting and the specific location where the boa was found. Data should also include a photo of the animal dead or alive, and site GPS coordinates, and comments on how the animal was detected and its behavior. If the PR boa was accidentally killed as part of the project actions, please include information on what conservation measures had been implemented and what actions will be taken to avoid further killings. All boa sighting reports should be sent to the USFWS Caribbean Ecological Services Field Office, Marelisa Rivera - Deputy Field Supervisor, 787-851-7297 extension 206, 787-510-5207, marelisa_rivera@fws.gov. The Applicant must provide documentation at close-out that proves the completion of required Conservation Measures.

- Resource Conservation and Recovery Act, aka Solid Waste Disposal Act (RCRA)Conditions: 1. The Applicant shall handle, manage, and dispose of all solid and hazardous waste in accordance with requirements of local, state, and federal laws, regulations, and ordinances. In addition, the Applicant shall ensure that all debris is separated and disposed of in a manner consistent with the JCA/EQB guidelines at a permitted site or landfill. 2. Unusable equipment, debris, white goods, scrap metal any other material shall be disposed in approved manner and location. In the event significant items are discovered during the implementation or development of the project the Applicant shall handle, manage and dispose petroleum products, hazardous materials and toxic waste in accordance to the requirements of the local and federal agencies. Noncompliance with these requirements may jeopardize receipt of federal funds. 3. For asbestos containing material and lead base paint the Applicant shall handle, manage, and dispose of all solid and hazardous waste in accordance with requirements of local, state, and federal laws, regulations, and ordinances. In addition, the Applicant shall ensure that all debris is separated and disposed of in a manner consistent with the DNER/EQB guidelines at a permitted site or landfill or provide evidence of the close out permit from DNER/EQB for activities of remediation, abetment or removal of those materials.

EHP Additional Info

There is no additional environmental historical preservation on **Improved Project - MLRA013 - Buildings 1211, 2296, 2371**.

Final Reviews

Final Review

Reviewed By COLON, JAVIER **Reviewed On** 10/26/2020 5:35 PM AST

Review Comments

To the best of my knowledge, this project is ready to continue the review process

Recipient Review

Reviewed By Diaz, Daphne **Reviewed On** 11/10/2020 2:14 PM AST

Review Comments

Recipient review limited to; spot-checking the DDD, SOW, HMP, costs and factors, codes/standards; review for post-award or closeout challenges; review of concerns communicated by the Subrecipient. The Subrecipient is responsible to fully review the project to ensure all aspects of project formulation are accurate and properly captured, including but not limited to: DDD; SOW necessary for repair/replacement of the disaster-caused damages; proper application of codes and standards including the consensus-based codes and standards, if applicable; 406 mitigation and BCA; cost estimate, or actual costs for work completed, necessary to complete the eligible scope of work, including all necessary costs such as engineering design services when appropriate; 50% repair versus replacement calculation including necessary back up documentation; insurance reductions based on actual or anticipated insurance proceeds; insurance obtain and maintain requirements; EHP reviews and conditions.

Fixed Cost Offer

As a Public Assistance (PA) Subrecipient Local Redevelopment Authority For Roosevelt Roads (000-UVI93-00), in accordance with Section 428 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, the Applicant agrees to accept a permanent work subaward based on a Fixed Cost Offer in the amount of $6,268,771.65 for subaward number 6977 under Disaster # 4339. The Applicant accepts responsibility for all costs above the Fixed Cost Offer.

The Applicant understands that by participating in this pilot program they will be reimbursed for allowable costs in accordance with 2 CFR Part 200, and the reimbursement will not exceed the Fixed Cost Offer. The Applicant also understands that by agreeing to this Fixed Cost Offer, they will not receive additional funding related to the facilities or sites included in the subaward. The Applicant also acknowledges that failure to comply with the requirements of applicable laws and regulations governing assistance provided by FEMA and the PA Alternative Procedures Pilot Program Guidance (such as procurement and contracting; environmental and historic preservation compliance; and audit and financial accountability) may lead to loss of federal funding.

Project Signatures

Signed By Carlo, Ian **Signed On** 11/19/2020

Equinoterapia Facilities

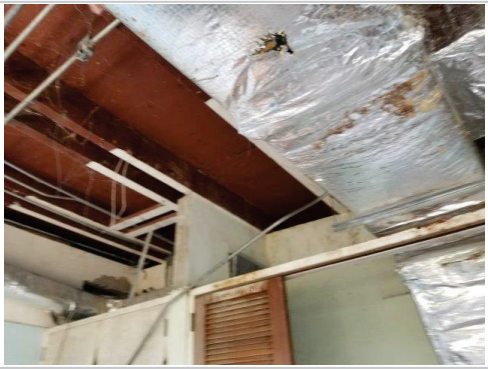
Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:**	**Inspection Date:** **GPS:** 18.22256 -65.67021
Work Order #: 51136 **Damage Inventory #:** 152174	**Facility name:** Bld. 1211 Golf Club House

Damage Description **Photo#** 100300

Building Exterior Ceiling. 1,081 SF of 2 IN x 8 IN x 16 FT trim board primed wood fascia, strong winds and rain impacted the fascia boards frames and detached the boards causing water intrusion though the components then subsequently water flooded.

Damage Description **Photo#** 095743

Building Interior Ceiling. 1,024 SF of wood beam, Water intrusion through roof soaked and damaged beams.



Damage Description **Photo#** 100637

Building Interior Ceiling. 4,259 SF of 2 FT x 4 FT panel with noise reduction, water repellent membrane, acoustic ceiling tiles, Water intrusion though roof soaked acoustic ceiling tiles and induced black mold growth.

Damage Description **Photo#** 101115

Building Interior Ceiling. 4,259 SF of 2 FT x 4 FT panel with noise reduction, water repellent membrane, acoustic ceiling tiles, Water intrusion though roof soaked acoustic ceiling tiles and induced black mold growth.

Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:**	**Inspection Date:** **GPS:** 18.22256 -65.67021
Work Order #: 51136 **Damage Inventory #:** 152174	**Facility name:** Bld. 1211 Golf Club House

Damage Description **Photo#** 101118

Building Interior Ceiling. 4,259 SF of 2 FT x 4 FT panel with noise reduction, water repellent membrane, acoustic ceiling tiles, Water intrusion though roof soaked acoustic ceiling tiles and induced black mold growth.

Damage Description **Photo#** 095505

Building Exterior Door. 4 each of 40 IN x 86 IN and aluminum frame entrance to comply with astm C1036, all tempered glass shall comply with ASTM C1048 glass w/alum frame door. High winds and wind driven rain impacted, ripped off and damaged the door.

Damage Description **Photo#** 095548

Building Exterior Door. 4 each of 40 IN x 86 IN and aluminum frame entrance to comply with astm C1036, all tempered glass shall comply with ASTM C1048 glass w/alum frame door. High winds and wind driven rain impacted, ripped off and damaged

Damage Description **Photo#** 095505

Building Interior Door. 4 each of 40 IN c 86 IN glass UL listed marine frame less metal fire rated doors comply with ansi/ul 10b, ANSI/ul 10c. ANSI/UL 1784, steel hollow, High winds and wind driven rain impacted, ripped off and damaged the door.

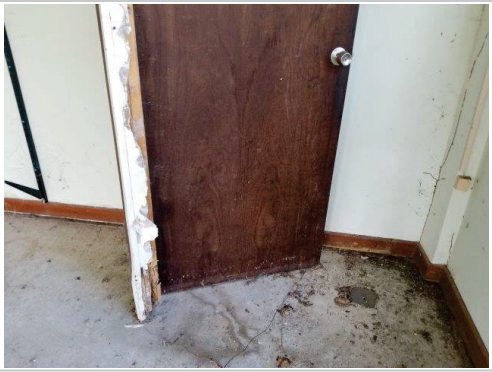
Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:**	**Inspection Date**: **GPS** 18.22256 -65.67021
Work Order #: 51136 **Damage Inventory #:** 152174	**Facility name**: Bld. 1211 Golf Club House

Damage Description **Photo#** 095548

Building Interior Door. 4 each of 40 IN c 86 IN glass UL listed marine frame less metal fire rated doors comply with ansi/ul 10b, ANSI/ul 10c. ANSI/UL 1784, steel hollow, High winds and wind driven rain impacted, ripped off and damaged the door.

Damage Description **Photo#** 095557

Building Interior Door. 2 each of 40 IN x 86 IN solid core, mahogany, flush wood door, smooth (1-3/4" thick") flush wood door. Water intrusion through roof soaked most of door causing damages due to moisture and induced a black mold growing.



Damage Description: **Photo#** 095559

Building Interior Door. 2 each of 40 IN x 86 IN solid core, mahogany, flush wood door, smooth (1-3/4" thick") flush wood door. Water intrusion through roof soaked most of door causing damages due to moisture and induced a black mold growing.

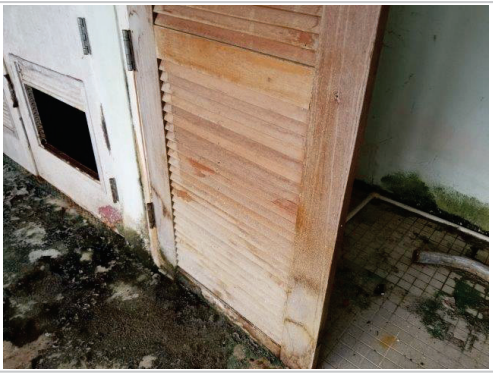
Damage Description **Photo#** 095646

Building Interior Door. 2 each of 40 IN x 86 IN solid core, mahogany, flush wood door, smooth (1-3/4" thick") flush wood door. Water intrusion through roof soaked most of door causing damages due to moisture and induced a black mold growing.

Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:**	**Inspection Date**: **GPS:** 18.22256 -65.67021
Work Order #: 51136 **Damage Inventory #:** 152174	**Facility name**: Bld. 1211 Golf Club House

Damage Description **Photo#** 095755

Building Interior Door. 1 each of 10 FT x 7 FT solid core, mahogany, flush wood door, smooth (1-3/4"thick") wood door with accordion louver. High and wind driven rain impacted, ripped off and damaged the door.

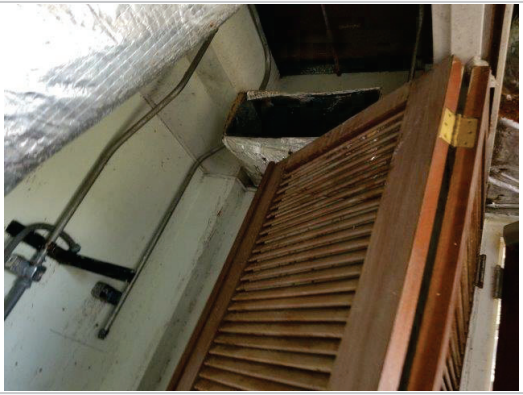


Damage Description **Photo#** 095823

Building Interior Door. 1 each of 13 FT x 7 FT solid core, mahogany, flush wood door, smooth (1-3/4"thick") wood accordion door with louver. High winds and wind driven rain impacted, ripped off and damaged the door.

Damage Description: **Photo#** 095824

Building Interior Door. 1 each of 13 FT x 7 FT solid core, mahogany, flush wood door, smooth (1-3/4"thick") wood accordion door with louver. High winds and wind driven rain impacted, ripped off and damaged the door.



Damage Description **Photo#** 100140

Building Interior Door. 1 each of 72 IN x 86 IN steel hollow double metal, High winds and wind driven rain impacted, ripped off and damaged the door.

Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:**	**Inspection Date**: **GPS:** 18.22256 -65.67021
Work Order #: 51136 **Damage Inventory #:** 152174	**Facility name**: Bld. 1211 Golf Club House

Damage Description **Photo#** 095518

Building Interior Floor. 4,947 SF of 12 IN x 12 IN impervious tile and comply with abrasion resistance- ASTM C1027 ceramic tile to be cleaned. Water intrusion through roof soaked most of ceramic tiles.

Damage Description **Photo#** 095529

Building Interior Floor. 4,947 SF of 12 IN x 12 IN impervious tile and comply with abrasion resistance- ASTM C1027 ceramic tile to be cleaned. Water intrusion through roof soaked most of ceramic tiles.

Damage Description: **Photo#** 095624

Building Interior Floor. 4,947 SF of 12 IN x 12 IN impervious tile and comply with abrasion resistance- ASTM C1027 ceramic tile to be cleaned. Water intrusion through roof soaked most of ceramic tiles.

Damage Description **Photo#** 095534

Building Interior Floor. 1,054 SF of the total installation area carpet required for the installation should be stated according to the requirements of as/nzs 2455.1 and AS/NZS 2455.2 for carpet tiles. Water intrusion through roof soaked and stained most of carpet and included a black mold growing.

Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:**	**Inspection Date**: **GPS:** 18.22256 -65.67021
Work Order #: 51136 **Damage Inventory #:** 152174	**Facility name**: Bld. 1211 Golf Club House

Damage Description **Photo#** 101138

Building Interior Floor. 6,001 SF of mold remediation floor treatment. Strong winds and wind driven rain detached roof, water intruded through roof the Fungus growth.

Damage Description **Photo#** 101136

Building Interior Floor. 6,001 SF of mold remediation floor treatment. Strong winds and wind driven rain detached roof, water intruded through roof the Fungus growth.

Damage Description: **Photo#** 1011131

Building Interior Floor. 6,001 SF of mold remediation floor treatment. Strong winds and wind driven rain detached roof, water intruded through roof the Fungus growth.

Damage Description **Photo#** 094819

Building Interior Light Fixture. 60 each of 2 FT x 4 FT T12, medium bi-pi (G13), 1450 lumen's, 6500k bulb color temp fluorescent, cw lamps, flour 40 watts, Water intrusion through roof soaked and acoustic ceiling tiles and induced black mold growing damaged frame and lamps.

Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:**	**Inspection Date:** **GPS:** 18.22256 -65.67021
Work Order #: 51136 **Damage Inventory #:** 152174	**Facility name:** Bld. 1211 Golf Club House

Photo# 094822

Building Interior Light Fixture. 60 each of 2 FT x 4 FT T12, medium bi-pi (G13), 1450 lumen's, 6500k bulb color temp fluorescent, cw lamps, flour 40 watts, Water intrusion through roof soaked and acoustic ceiling tiles and induced black mold growing damaged frame and lamps.

Damage Description **Photo#** 095600

Damage Description: **Photo#** 095618

Building Interior Light Fixture. 2 each of 1 FT w x 4 FT T12. medium bi-pin (G13), 1450 lumen's, 6500 bulb color temp fluorescent, cw lamps, two 40 watts. Water intrusion through roof soaked and acoustic ceiling tiles and induced black mold growing damaged frame and lamps.

Damage Description **Photo#** 101108

Building Interior Light Fixture. 24 each of high pressure sodium 150 - 400 watts, pulse star metal halide 150 watts. highbay acrylic 22" enclosed conical lens circular halide, 150 watt light, High wind and wind driven rain detached lamps, Water intrusion through roof caused short circuit.

Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:**	**Inspection Date**: **GPS** 18.22256 -65.67021
Work Order #: 51136 **Damage Inventory #:** 152174	**Facility name**: Bld. 1211 Golf Club House

Damage Description **Photo#** 100515

Building Interior Restroom. 100 SF of solid plastic bathroom partition, water intrusion through roof soaked most of bathroom partitions then the partitions was damaged due to moisture and induced a black mold growing.

Damage Description **Photo#** 100505

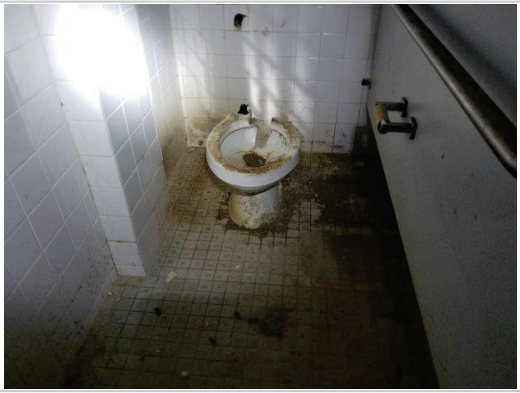
Building Interior Restroom. 100 SF of solid plastic bathroom partition, water intrusion through roof soaked most of bathroom partitions then the partitions was damaged due to moisture and induced a black mold growing.

Damage Description: **Photo#** 100454

Building Interior Restroom. 100 SF of solid plastic bathroom partition, water intrusion through roof soaked most of bathroom partitions then the partitions was damaged due to moisture and induced a black mold growing.

Damage Description **Photo#** 100527

Building Interior Restroom. 4 each of 30-3/16" x 18" x 32-13/16", High efficiency toilet (HET) 1.28 gpf/4.8 lpf/ 2-1/16" (52mm) trap way, Right height elongated siphon action bowl water closet intrusion through roof damaged the water closet.



Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:**	**Inspection Date**: **GPS** 18.22256 -65.67021
Work Order #: 51136 **Damage Inventory #:** 152174	**Facility name**: Bld. 1211 Golf Club House

Damage Description **Photo#** 100531

Building Interior Restroom. 6 each of bowl sizes 15" (381mm) wide, 10" (254mm) front-to-back, 6-3/4" (171mm) deep ADA compliant, self-draining deck area with contoured back and side splash shields, front overflow bathroom lavatory.

Damage Description **Photo#** 094343

Building Exterior Roof. 4,922 SF of thickness: 0.88 to 2mm, cr steel as per is: 513 d-quality, bare, primer coat, galvanized, pre- painted metal shed. Wind, airborne debris and wind driven rain caused panels to collapse and damaged beyond repair.

Damage Description: **Photo#** 095648

Building Exterior Roof. 2,400 SF of section 07510 - built-up bituminous roofing, section 07540 - thermoplastic membrane roofing, polyvinyl chloride (PVC), astm c 578-01, standard pacification for rigid, waterproofing membrane with insulation deck, strong wind and debris in the air roof, the water to enter through the roof, the soaked the ventilation.

Damage Description **Photo#** 101324

Building Exterior Roof. Aluminum, Ga. 0.032 metal flashing, 179 FT long, High wind and wind driven rain detached metal flashing from edges of roof.

Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:**	**Inspection Date**: **GPS** 18.22256 -65.67021
Work Order #: 51136 **Damage Inventory #:** 152174	**Facility name**: Bld. 1211 Golf Club House

Damage Description **Photo#** 101329

Building Exterior Roof. Aluminum, Ga. 0.032 metal flashing, 179 FT long, High wind and wind driven rain detached metal flashing from edges of roof.

Damage Description **Photo#** 094557

Building Exterior Roof. 484 SF of section 07510 ceramic roof tile. Strong wind and debris in the air lifted and detached the part of roof, this caused the water to enter through the roof, the soaked the ventilation.

Damage Description: **Photo#** 094709

Building Exterior Roof. 484 SF of section 07510 ceramic roof tile. Strong wind and debris in the air lifted and detached the part of roof, this caused the water to enter through the roof, the soaked the ventilation.

Damage Description **Photo#** 095448

Building Exterior Wall. 11,780 SF of water based exterior paint first coat exterior paintwork, high wind and wind driven rain damaged and removed interior paint layers.

Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:**	**Inspection Date**: **GPS:** 18.22256 -65.67021
Work Order #: 51136 **Damage Inventory #:** 152174	**Facility name**: Bld. 1211 Golf Club House

Damage Description **Photo#** 095450

uilding Exterior Wall. 11,780 SF of water based exterior paint first coat exterior paintwork, high wind and wind driven rain damaged and removed interior paint layers.

Damage Description **Photo#** 095806

Building Exterior Wall. 24,830 SF of clean wall cleaning. High wind and wind driven rain caused a water intrusion through roof damaged soiled the exterior wall.

Damage Description: **Photo#** 095809

Building Exterior Wall. 24,830 SF of clean wall cleaning. High wind and wind driven rain caused a water intrusion through roof damaged soiled the exterior wall.

Damage Description **Photo#** 095811

Building Exterior Wall. 24,830 SF of clean wall cleaning. High wind and wind driven rain caused a water intrusion through roof damaged soiled the exterior wall.

Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:**	**Inspection Date**: **GPS:** 18.22256 -65.67021
Work Order #: 51136 **Damage Inventory #:** 152174	**Facility name**: Bld. 1211 Golf Club House

Photo# 101329

Building Exterior Wall. 138 SF of 0.25 IN thickness cement plastering, high wind and wind driven rain detached cement plaster layer from wall.

Damage Description **Photo#** 101325

Building Exterior Wall. 138 SF of 0.25 IN thickness cement plastering, high wind and wind driven rain detached cement plaster layer from wall.

Damage Description: **Photo#** 095450

Building Exterior Wall. 138 SF of 0.25 IN thickness cement plastering, high wind and wind driven rain detached cement plaster layer from wall.

Damage Description **Photo#** 095633

Building Interior Wall. 5,320 SF of wall black mold remediation, Water intrusion through roof soaked and acoustic ceiling tiles and induced black mold growing damaged most of wall.

Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:**	**Inspection Date:** **GPS:** 18.22256 -65.67021
Work Order #: 51136 **Damage Inventory #:** 152174	**Facility name:** Bld. 1211 Golf Club House

Damage Description **Photo#** 095639

Building Interior Wall. 5,320 SF of wall black mold remediation, Water intrusion through roof soaked and acoustic ceiling tiles and induced black mold growing damaged most of wall.

Damage Description **Photo#** 095639

Building Interior Wall. 8,040 SF of water based interior paint first coat interior paintwork, high wind and wind driven rain damaged and removed interior paint layers.

Damage Description: **Photo#** 101335

Building Interior Wall. 1,600 SF of 0.25 IN thickness cement plaster, high wind and wind driven rain detached cement plaster

Damage Description **Photo#** 095451

Building Exterior Window. 6 each of 4 FT x 4 FT insulated glass to have edge tech warm edge spacer as secondary seal with butyl primary seal, all glass to be glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazed bead. Glass thickness to be 1/8 double strength feet fixed glass up to 8 square feet fixed glass aluminum window, High winds and wind driven rain impacted and damaged window glasses lattices.

Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:**	**Inspection Date**: **GPS:** 18.22256 -65.67021
Work Order #: 51136 **Damage Inventory #:** 152174	**Facility name**: Bld. 1211 Golf Club House

Damage Description **Photo#** 095455

Building Exterior Window. 6 each of 4 FT x 4 FT insulated glass to have edge tech warm edge spacer as secondary seal with butyl primary seal, all glass to be glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazed bead. Glass thickness to be 1/8 double strength feet fixed glass up to 8 square feet fixed glass aluminum window, High winds and wind driven rain impacted and damaged window glasses lattices.

Damage Description **Photo#** 095533

Building Exterior Window. 6 each of 4 FT x 4 FT insulated glass to have edge tech warm edge spacer as secondary seal with butyl primary seal, all glass to be glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazed bead. Glass thickness to be 1/8 double strength feet fixed glass up to 8 square feet fixed glass aluminum window, High winds and wind driven rain impacted and damaged window glasses lattices.

Damage Description: **Photo#** 095459

Building Exterior Window. 15 each of 3 FT x 4 FT insulated glass to have edge tech warm edge spacer as secondary seal with butyl primary seal, all glass to be glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazing bead. High winds and wind driven rain impacted and damaged window glasses lattices.

Damage Description **Photo#** 095622

Building Exterior Window. 15 each of 3 FT x 4 FT insulated glass to have edge tech warm edge spacer as secondary seal with butyl primary seal, all glass to be glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazing bead. High winds and wind driven rain impacted and damaged window glasses lattices.

Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:**	**Inspection Date**: **GPS:** 18.22256 -65.67021
Work Order #: 51136 **Damage Inventory #:** 152174	**Facility name**: Bld. 1211 Golf Club House

Damage Description	**Photo#** 101054	**Damage Description**	**Photo#**
Building Exterior Window. 3 each of 16 FT x 16 FT insulated glass to have edge tech warm edge spacer as secondary seal with butyl primary seal, all glass to be glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazing bead. High winds and wind driven rain impacted and damaged window glasses lattices.			

Damage Description:	**Photo#**	**Damage Description**	**Photo#**

Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date:** **GPS:** 18.22215 -65.66989
Work Order #: 51136 **Damage Inventory #:** 152365	**Facility name:** Bld. 2371 Golf Cart Storage

Damage Description **Photo#** 093637

Building Exterior Ceiling , 12 each of 1 FT x 8 FT An ANSI ballast for standard 40-watt F40T12 lamps requires a ballast factor of 0.95. the same ballast has a ballast factor of 0.87 for 34-watt energy saving F40T12 lamps.

Damage Description **Photo#** 093406

Building Interior Floor. 4,500 SF of Apply bleach to the stain (using a spray bottle is the most efficient way to apply bleach) Let sit 20 minutes. floated cement to be clean Water intrusion through roof soaked most of floated cement floor was stained due to moisture and induced a black mold growing.

Damage Description **Photo#** 093645

Building Exterior Roof. 00 SF of Thickness, 0.80 to 2mm, CR Steel as per IS: 513 D-Quality, Bare, Primer coated, Galvanized, Pre- painted metal deck (45 FT x 20 FT). The strong wind and debris in the air lifted and separated the roof which caused the water to enter through the roof, so that the structure collapsed.

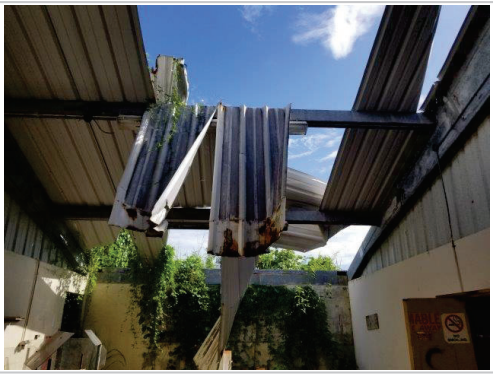
Damage Description **Photo#** 093713

Building Exterior Roof. 00 SF of Thickness, 0.80 to 2mm, CR Steel as per IS: 513 D-Quality, Bare, Primer coated, Galvanized, Pre- painted metal deck (45 FT x 20 FT). The strong wind and debris in the air lifted and separated the roof which caused the water to enter through the roof, so that the structure collapsed.

Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date:** **GPS:** 18.22215 -65.66989
Work Order #: 51136 **Damage Inventory #:** 152365	**Facility name:** Bld. 2371 Golf Cart Storage

Damage Description **Photo#** 093645

Building Exterior Roof. 00 SF of Thickness, 0.80 to 2mm, CR Steel as per IS: 513 D-Quality, Bare, Primer coated, Galvanized, Pre- painted metal deck (45 FT x 20 FT). The strong wind and debris in the air lifted and separated the roof which caused the water to enter through the roof, so that the structure collapsed.



Damage Description **Photo#** 093451

Building Exterior Site. Chain link fence, Glav. Ga. No. 9, Post - 2.5 inch diam x 6 feet height galv, 3-strands Barbed Wire (4-point) Perimeter building. 520 LF long, High wind and airborne debris dislodged and detached fence.

Damage Description **Photo#** 093331

Building Exterior Wall. 960 SF of Water based exterior Paint First Coat exterior paintwork, High wind and wind driven rain caused intrusion through roof damaged exterior paint and created a black mold in walls.

Damage Description **Photo#** 094150

Building Interior Window. 3 each of Jalousie Utility Louver Aluminum Screen Window White, 100% weather tripped , finished aluminum frames. 3 FT x 5 FT jalousie aluminum windows, Strong winds and wind driven rain impacted adventively most of windows, then broke various class lattices.

Applicant: PR INDUSTRIAL DEVELOPMENT COMPANY	**Site Inspector(s):**
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date**: **GPS** 18.22215 -65.66989
Work Order #: 51136 **Damage Inventory #:** 152365	**Facility name**: Bld. 2371 Golf Cart Storage

Damage Description	**Photo#** 094158	**Damage Description**	**Photo#**
Building Interior Window. 3 each of Jalousie Utility Louver Aluminum Screen Window White, 100% weather tripped , finished aluminum frames. 3 FT x 5 FT jalousie aluminum windows, Strong winds and wind driven rain impacted adventively most of windows, then broke various class lattices.			

Damage Description:	**Photo#**	**Damage Description**	**Photo#**

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Applicant: Local Redevelopment Authority for Roosevelt Roads	**Site Inspector(s):** Francisco Martir
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date:** 11/08/19 **GPS:** 18.21717 -65.65569
Work Order #: 51135 **Damage Inventory #:** 152336	**Facility name:** Bld. 2296 Adm. Bld. Afwtf

Damage Description **Photo#** 100334

Building Exterior Roof. 3,857 SF of Section 07510 - Built- Up Bituminous Roofing, Section 07540 - Thermoplastic Membrane Roofing roof and Deck Insulation.

Damage Description **Photo#** 100434

Building Exterior Roof. 3,857 SF of Section 07510 - Built- Up Bituminous Roofing, Section 07540 - Thermoplastic Membrane Roofing roof and Deck Insulation.

Damage Description: **Photo#** 100301

Building Exterior Roof. 3 each of 3 FT x 6 FT, 340 watts solar panels, High wind and wind driven rain impacted the roof, then winds detached all panels.

Damage Description **Photo#** 100337

Building Exterior Roof. 3 each of 3 FT x 6 FT, 340 watts solar panels, High wind and wind driven rain impacted the roof, then winds detached all panels.

Applicant: Local Redevelopment Authority for Roosevelt Roads	**Site Inspector(s):** Francisco Martir
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date**: 11/08/19 **GPS:** 18.21717 -65.65569
Work Order #: 51135 **Damage Inventory #:** 152336	**Facility name**: Bld. 2296 Adm. Bld. Afwtf

Damage Description **Photo#** 092529

Building Exterior Wall. 21,680 SF of water based exterior paint first coat exterior paintwork, High wind and wind driven rain damaged and removed interior paint layers.

Damage Description **Photo#** 092548

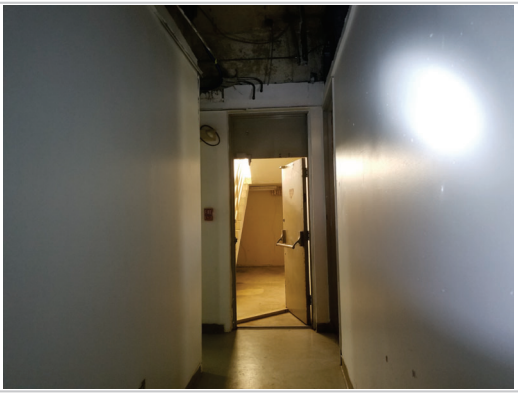
Building Exterior Wall. 21,680 SF of water based exterior paint first coat exterior paintwork, High wind and wind driven rain damaged and removed interior paint layers.

Damage Description: **Photo#** 092550

Building Exterior Wall. 21,680 SF of water based exterior paint first coat exterior paintwork, High wind and wind driven rain damaged and removed interior paint layers.

Damage Description **Photo#** 114132

Building Interior Wall. 3,240 SF of Impervious tile and comply with abrasion resistance - ASTM C1027 ceramic tile.



Applicant: Local Redevelopment Authority for Roosevelt Roads	**Site Inspector(s):** Francisco Martir
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date**: 11/08/19 **GPS:** 18.21717 -65.65569
Work Order #: 51135 **Damage Inventory #:** 152336	**Facility name**: Bld. 2296 Adm. Bld. Afwtf

Damage Description **Photo#** 102048

Building Interior Wall 1,450 SF of 1/2 IN thick as a standard product, Vinyl covered Durasan panels comply with ASTM Specification C1396 and Federal Specification SS-L-30D. Approved sag resistance equivalent to 5/8 IN Type x wallboard. Surface burning ASTM E 84, Fiberglass Insulation with Galvanized Stud @ 16 IN gypsum Board (Colapsed),

Damage Description **Photo#** 102051

Building Interior Wall 1,450 SF of 1/2 IN thick as a standard product, Vinyl covered Durasan panels comply with ASTM Specification C1396 and Federal Specification SS-L-30D. Approved sag resistance equivalent to 5/8 IN Type x wallboard. Surface burning ASTM E 84, Fiberglass Insulation with Galvanized Stud @ 16 IN gypsum Board (Colapsed),

Damage Description: **Photo#** 104628

Building Interior Wall 1,450 SF of 1/2 IN thick as a standard product, Vinyl covered Durasan panels comply with ASTM Specification C1396 and Federal Specification SS-L-30D. Approved sag resistance equivalent to 5/8 IN Type x wallboard. Surface burning ASTM E 84, Fiberglass Insulation with Galvanized Stud @ 16 IN gypsum Board (Colapsed),

Damage Description **Photo#** 114722

Building Interior Wall 1,450 SF of 1/2 IN thick as a standard product, Vinyl covered Durasan panels comply with ASTM Specification C1396 and Federal Specification SS-L-30D. Approved sag resistance equivalent to 5/8 IN Type x wallboard. Surface burning ASTM E 84, Fiberglass Insulation with Galvanized Stud @ 16 IN gypsum Board (Colapsed),

Applicant: Local Redevelopment Authority for Roosevelt Roads	**Site Inspector(s):** Francisco Martir
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date**: 11/08/19 **GPS:** 18.21717 -65.65569
Work Order #: 51135 **Damage Inventory #:** 152336	**Facility name**: Bld. 2296 Adm. Bld. Afwtf

Damage Description **Photo#** 104627

Building Interior Wall. 45,750 SF of black mold remediation gypsum board.

Damage Description **Photo#** 104631

Building Interior Wall. 45,750 SF of black mold remediation gypsum board.

Damage Description: **Photo#** 114114

Building Interior Wall. 45,750 SF of black mold remediation gypsum board.

Damage Description **Photo#** 103607

Building Interior Wall. 58, 512 SF of Water based interior paint first coat interior paintwork.

Applicant: Local Redevelopment Authority for Roosevelt Roads	**Site Inspector(s):** Francisco Martir
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date**: 11/08/19 **GPS:** 18.21717 -65.65569
Work Order #: 51135 **Damage Inventory #:** 152336	**Facility name**: Bld. 2296 Adm. Bld. Afwtf

Damage Description **Photo#** 093549

Building Exterior Window. 33 each of 3 FT x 5 FT AAMA 2604 Dual seal single hung window, High winds and wind driven rain impacted the windows and ripped the lattice off, therefore damaged the door.

Damage Description **Photo#** 102107

Building Exterior Window. 33 each of 3 FT x 5 FT AAMA 2604 Dual seal single hung window, High winds and wind driven rain impacted the windows and ripped the lattice off, therefore damaged the door.

Damage Description: **Photo** 102109

Building Exterior Window. 33 each of 3 FT x 5 FT AAMA 2604 Dual seal single hung window, High winds and wind driven rain impacted the windows and ripped the lattice off, therefore damaged the door.

Damage Description **Photo#** 102158

Building Exterior Window. 33 each of 3 FT x 5 FT AAMA 2604 Dual seal single hung window, High winds and wind driven rain impacted the windows and ripped the lattice off, therefore damaged the door.

Applicant: Local Redevelopment Authority for Roosevelt Roads	**Site Inspector(s):** Francisco Martir
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date:** 11/08/19 **GPS:** 18.21717 -65.65569
Work Order #: 51135 **Damage Inventory #:** 152336	**Facility name:** Bld. 2296 Adm. Bld. Afwtf

Damage Description **Photo#** 102230

Building Exterior Window. 33 each of 3 FT x 5 FT AAMA 2604 Dual seal single hung window, High winds and wind driven rain impacted the windows and ripped the lattice off, therefore damaged the door.

Damage Description **Photo#** 092322

Building Exterior Windows. 81 each of 6 FT W X 5 FT Jalousie Utility Louver Aluminum Window - White, 100% weather-stripped, finished aluminum frames jalousie aluminum windows to replaced, Strong winds and wind driven rain impacted adversatively most of windows, damaging lattices beyond repair.

Damage Description: **Photo#** 092637

Building Exterior Windows. 81 each of 6 FT W X 5 FT Jalousie Utility Louver Aluminum Window - White, 100% weather-stripped, finished aluminum frames jalousie aluminum windows to replaced, Strong winds and wind driven rain impacted adversatively most of windows, damaging lattices beyond repair.

Damage Description **Photo#** 093551

Building Exterior Windows. 81 each of 6 FT W X 5 FT Jalousie Utility Louver Aluminum Window - White, 100% weather-stripped, finished aluminum frames jalousie aluminum windows to replaced, Strong winds and wind driven rain impacted adversatively most of windows, damaging lattices beyond repair.

Applicant: Local Redevelopment Authority for Roosevelt Roads	**Site Inspector(s):** Francisco Martir
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date**: 11/08/19 **GPS:** 18.21717 -65.65569
Work Order #: 51135 **Damage Inventory #:** 152336	**Facility name**: Bld. 2296 Adm. Bld. Afwtf

Damage Description **Photo#** 092740

Building Exterior Windows. 2 each of 3 FT x 8 FT Insulated glass to have Edgetech warm edge spacer as secondary seal with Butyl primary seal, All glass is glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazing bead. Glass thickness to be 1/8 double strength up to 18 square feet fix glass aluminum Window.

Damage Description **Photo#** 103901

Building Exterior Windows. 3 each of 12 FT x 9 FT Insulated glass to have Edgetech warm edge spacer as secondary seal with Butyl primary seal, All glass to be glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazing bead. Glass thickness to be 1/8 IN double strength up to 18 SF fix glass aluminum Window

Damage Description: **Photo#** 103623

Building Exterior Window. , 2 each of 8 FT x 9 FT Insulated glass to have Edgetech warm edge spacer as secondary seal with Butyl primary seal, All glass to be glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazing bead. Glass thickness to be 1/8 double strength up to 18 square feet Fix Glass Aluminum Window.

Damage Description **Photo#** 111845

Building Exterior Window. 2 each of 10FT x 9 FT Insulated glass to have Edgetech warm edge spacer as secondary seal with Butyl primary seal, All glass to be glazed with double sided adhesive glazing tape on exterior, retained on interior with snap in glazing bead. Glass thickness to be 1/8 double strength up to 18 square feet fix glass aluminum Window

Applicant: Local Redevelopment Authority for Roosevelt Roads	**Site Inspector(s):** Francisco Martir
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date:** 11/08/19 **GPS:** 18.21717 -65.65569
Work Order #: 51135 **Damage Inventory #:** 152336	**Facility name:** Bld. 2296 Adm. Bld. Afwtf

Photo# 102036

Building Exterior Door. 1 each of 40 IN x 86 IN Comply with ANSI/UL 10B, ANSI/UL 10C, ANSI/UL 1784 Steel hollow to repair.

Damage Description **Photo#** 111537

Building Exterior Door. 1 each of 40 IN x 86 IN Comply with ANSI/UL 10B, ANSI/UL 10C, ANSI/UL 1784 Steel hollow to repair

Damage Description: **Photo#** 095031

Building Exterior Door. 1 each of 76 IN x 86 IN All-Glass door comply with ASTM C1036, Fire Heavy duty 18-gauge aluminum. All tempered glass shall comply with ASTM C1048 glass w/alum frame door.

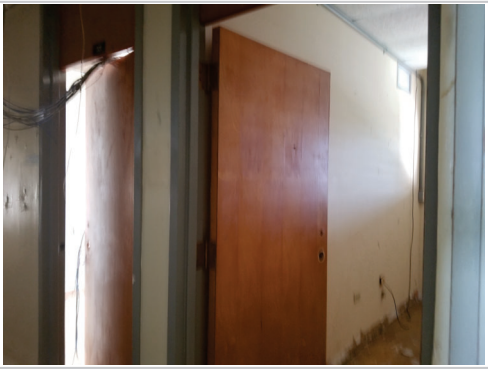
Damage Description **Photo#** 102036

Building Interior Door. 2 each of 40 IN x 86 IN Comply with ANSI/UL 10C, ANSI/UL 1748 Steel hollow to replace.

Applicant: Local Redevelopment Authority for Roosevelt Roads	**Site Inspector(s):** Francisco Martir
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date:** 11/08/19 **GPS** 18.21717 -65.65569
Work Order #: 51135 **Damage Inventory #:** 152336	**Facility name:** Bld. 2296 Adm. Bld. Afwtf

Damage Description **Photo#** 103755

Building Interior Door. 27 each of 40 IN x 86 IN hollow Core, mahogany, Flush Wood Door, Smooth (1-3/4 IN Thick) wood door to repair.



Damage Description **Photo#** 104711

Building Interior Door. 27 each of 40 IN x 86 IN hollow Core, mahogany, Flush Wood Door, Smooth (1-3/4 IN Thick) wood door to repair.

Damage Description: **Photo#** 103311

Building Interior Door. 2 each of 40 IN x 86 IN hollow Core, mahogany, Flush Wood Door, Smooth (1-3/4 IN Thick) wood door w/ louve (24 IN x 18 IN) to replace.

Damage Description **Photo#** 102216

Building Interior Door. 2 each of 67 IN x 86 IN hollow Core, mahogany, Flush Wood Door, Smooth (1-3/4 IN Thick) double wood door.

Applicant: Local Redevelopment Authority for Roosevelt Roads	**Site Inspector(s):** Francisco Martir
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date:** 11/08/19 **GPS** 18.21717 -65.65569
Work Order #: 51135 **Damage Inventory #:** 152336	**Facility name:** Bld. 2296 Adm. Bld. Afwtf

Damage Description **Photo#** 102932

Building Interior Door. 2 each of 67 IN x 86 IN hollow Core, mahogany, Flush Wood Door, Smooth (1-3/4 IN Thick) double wood door.

Damage Description **Photo#** 110945

Building Interior Door. 2 each of 67 IN x 86 IN hollow Core, mahogany, Flush Wood Door, Smooth (1-3/4 IN Thick) double wood door.

Damage Description: **Photo#** 102220

Building Interior Door. 2 each of 67 IN x 86 IN hollow Core, mahogany, Flush Wood Door, Smooth (1-3/4 IN Thick) double wood door.

Damage Description **Photo#** 092524

Building Interior Floor. 14,274 SF of carpet required for the installation should be stated according to the requirements of AS/NZS 2455 carpet.

Applicant: Local Redevelopment Authority for Roosevelt Roads	**Site Inspector(s):** Francisco Martir
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date**: 11/08/19 **GPS** 18.21717 -65.65569
Work Order #: 51135 **Damage Inventory #:** 152336	**Facility name**: Bld. 2296 Adm. Bld. Afwtf

Damage Description **Photo#** 103456

Building Interior Floor. 1,577 each of Neoprene Rubber Sheet, Rolls, Strip 1/8 IN (.25 IN) Thick x 6 IN Wide x 10 FT Solid, 0.125 IN Thick resilient base board, 1,342 LF long.

Damage Description **Photo#** 103508

Building Interior Floor. 1,577 each of Neoprene Rubber Sheet, Rolls, Strip 1/8 IN (.25 IN) Thick x 6 IN Wide x 10 FT Solid, 0.125 IN Thick resilient base board, 1,342 LF long.

Damage Description: **Photo#** 102913

Building Interior Floor. 848 SF of 2FT x 2 Impervious tile and comply with abrasion resistance - ASTM C1027 Damaged ceramic tile.

Damage Description **Photo#** 113554

Building Interior Floor. 2,782 SF of Apply bleach t the stain (using a spray bottle is the most efficient way to apply bleach) vinyl tiles to clean.

Applicant: Local Redevelopment Authority for Roosevelt Roads	**Site Inspector(s):** Francisco Martir
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date:** 11/08/19 **GPS:** 18.21717 -65.65569
Work Order #: 51135 **Damage Inventory #:** 152336	**Facility name:** Bld. 2296 Adm. Bld. Afwtf

Damage Description **Photo#** 114136

Building Interior Floor. 2,782 SF of Apply bleach t the stain (using a spray bottle is the most efficient way to apply bleach) vinyl tiles to clean.

Damage Description **Photo#** 113554

Building Interior Floor. 1, 506 SF of polyvinyl chloride resin binder, fillers and pigments vinyl tiles to replaces.

Damage Description: **Photo#** 114136

Building Interior Floor. 1, 506 SF of polyvinyl chloride resin binder, fillers and pigments vinyl tiles to replaces.

Damage Description **Photo#** 114707

Building Interior Floor. 2,659 each of clear, stained or painted wood baseboard molding. 2,659 LF long, Distributed thru various floors (Wing A first floor 313 LF, second floor 248 LF, third floor 523 LF, Wind B first floor 549 LF, second floor 483 LF, third floor 543 LF).

Applicant: Local Redevelopment Authority for Roosevelt Roads	**Site Inspector(s):** Francisco Martir
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date**: 11/08/19 **GPS:** 18.21717 -65.65569
Work Order #: 51135 **Damage Inventory #:** 152336	**Facility name**: Bld. 2296 Adm. Bld. Afwtf

Photo# 102125

Building Interior Floor. 2,659 each of clear, stained or painted wood baseboard molding. 2,659 LF long, Distributed thru various floors (Wing A first floor 313 LF, second floor 248 LF, third floor 523 LF, Wind B first floor 549 LF, second floor 483 LF, third floor 543 LF).

Damage Description **Photo#** 103206

Building Interior Restroom. 684 SF of solid plastic bathroom partition. Water intrusion through roof soaked most of bathroom partitions (Wing A first floor = 228 SF, second floor 228 SF, third floor 228 SF).

Damage Description: **Photo#** 103215

Building Interior Restroom. 684 SF of solid plastic bathroom partition. Water intrusion through roof soaked most of bathroom partitions (Wing A first floor = 228 SF, second floor 228 SF, third floor 228 SF).

Damage Description **Photo#** 092251

Building Exterior Roof. Aluminum, Ga. 0.032 flashing, 450 LF long, intense and constant wind driven rain impacted and ripped off part of metal flashing.

Applicant: Local Redevelopment Authority for Roosevelt Roads	**Site Inspector(s):** Francisco Martir
FIPS #: 000-U5AJ6-00 **Category:** E	**Inspection Date:** 11/08/19 **GPS:** 18.21717 -65.65569
Work Order #: 51135 **Damage Inventory #:** 152336	**Facility name:** Bld. 2296 Adm. Bld. Afwtf

Damage Description **Photo#** 092315

Building Exterior Roof. Aluminum, Ga. 0.032 flashing, 450 LF long, intense and constant wind driven rain impacted and ripped off part of metal flashing.

Damage Description **Photo#** 100318

Building Exterior Roof. Aluminum, Ga. 0.032 flashing, 450 LF long, intense and constant wind driven rain impacted and ripped off part of metal flashing.

Damage Description: **Photo#** 100411

Building Exterior Roof. Aluminum, Ga. 0.032 flashing, 450 LF long, intense and constant wind driven rain impacted and ripped off part

Damage Description **Photo#** 100235

Building Exterior Roof. 3,857 SF of Section 07510 - Built- Up Bituminous Roofing, Section 07540 - Thermoplastic Membrane Roofing roof and Deck Insulation.