

Scope of Work

East Region

Bid Package E1-3

SCOPE OF WORK (SOW) BID PACKAGE E1-3 PRIDCO-FEMA-4339-DR-PR EAST REGION

I. Project Worksheet: # 7768

a. Damage #219083

GENERAL INFORMATION:

- **Project Worksheet (P/W):** 7768
- **Damage Information (DI):** 219083
- **PRIDCO Bldg. I.D.:** S-0829-0-66-00

GENERAL FACILITY INFORMATION:

- **Facility Type:** Building
- **Building Type:** Warehouse
- **Facility Description:** Industrial building used (leased) for manufacturing and commercial activities. One-story building, with main structure components (beams, columns ground slabs and foundation) comprised of reinforced concrete and concrete masonry Units (CMU). Roof structure composed of precast concrete beams with precast concrete roof deck planks (PORETE) with built-up roofing material. The building was constructed in 1966 and has approximate roof dimensions of 90FT x 123FT; [31FT x 11FT] (restroom unit roofs) for an approximate total roof area of 11,411SF.
- **Year Built:** 1966
- **Location Description:** Carr. PR-3 Km. 85.6 Bo. Catano, Humacao, PR
- **GPS Latitude/Longitude:** 18.13848, -65.82601
- **Number of Stories:** 1
- **Actual Tenants:** Model Offset Printing Corp.

GENERAL DAMAGE INFORMATION:

- **Date Damaged:** 9/20/2017.
- **Cause of Damage:** High winds, wind driven rain and wind-blown debris.

SCOPE OF WORK:

Below is a general description of the scope of work (SOW) related to the repair of the PRIDCO building facilities. Scope of work and their respective descriptions subdivided into Public Assistance (PA), Hazard Mitigation (HM) and additional work:

Public Assistance (PA) – work to be performed:

- 1) Building Exterior, replace 2 each of Exhaust fan, Aluminum roof fan extractor cap w/ gravity self-acting back draft damper face-flush install, 36in Fan Size, 1-HP Motor, 115/230V, damaged by high winds.

- 2) Building Interior, replace 2 each of Single Wood Door, 3 FT wide x 7 FT high, Solid Core, mahogany, 1-3/4" Thick, damaged by wind driven rain.
- 3) Building Interior, replace 1 each of Single Wood Door, 2.5 FT wide x 7 FT high, Solid Core, mahogany, 1-3/4" Thick, damaged by wind driven rain.
- 4) Building Interior, replace 1 each of Aluminum Jalousie Window, 3 FT wide x 3.33 FT high, Miami Type, Ga 0.062, heavy duty hardware, damaged by high winds.
- 5) Exterior Site, replace Chain Link Fence, 130 LF long x 6 FT high, Ga. No. 9, Post - 2.5-inch diam galv., 3-strands Barbed Wire (4-point), damaged by high winds.

Hazard Mitigation (HM) – work to be performed:

- 1) Building Exterior, when Replacing 11,411 SF of Waterproofing Membrane, Add SBS air barrier layer to 11,411 S.F. of Roof.
- 2) Building Exterior, when replacing the exhaust fans, add an anchoring system for each unit that will resist expected wind pressure during a similar event to prevent them from being overturned and damaged.

Additional Work Description – work to be performed:

- 1) Building Interior, replace 12 each of Aluminum Jalousie Window, 3 FT wide x 6 FT high, Miami Type, Ga 0.062, heavy duty hardware.
- 2) Building Exterior, replace 1 each of Exterior double metal door fire rated, 7 FT long x 6 FT wide, Solid metal door, 16ga, filled with polyethylene.
- 3) Building Exterior, replace 3 each of Exterior Lighting Fixture, Cobra / 150-Watt High Pressure Sodium.
- 4) Building Exterior, repair 24 SF of Exterior concrete plaster, 6 FT long x 4 FT wide.
- 5) Exterior Site, replace 280 feet of 3-strands Barbed Wire (4-point).
- 6) Exterior Site, replace Chain Link Fence, 50 LF long x 6 FT high, Ga. No. 9, Post - 2.5-inch diam galv., 3-strands Barbed Wire (4-point).
- 7) Building Exterior, replace 1 each of Galvanized Rolling Door, 10 FT wide x 10 FT high.
- 8) Building Interior, replace 3 each of Aluminum Jalousie Window, 3 FT wide x 3.33 FT high, Miami Type, Ga 0.062, heavy duty hardware.

b. Damage #219084

GENERAL INFORMATION:

- **Project Worksheet (P/W):** 7768
- **Damage Information (DI):** 219084
- **PRIDCO Bldg. I.D.:** S-0834-0-67-00

GENERAL FACILITY INFORMATION:

- **Facility Type:** Building
- **Building Type:** Warehouse
- **Facility Description:** Industrial building used (leased) for manufacturing and commercial activities. One-story building, with main structure components (beams, columns ground slabs and foundation) comprised of reinforced concrete and concrete masonry Units (CMU). Roof structure composed of precast concrete beams with precast concrete roof deck planks (PORETE) with built-up roofing material. The building was constructed in 1967 and has approximate roof dimensions of 90FT x 125FT; 11FT x 31FT (restroom unit roofs) for an approximate total roof area of 11,591SF.
- **Year Built:** 1967
- **Location Description:** PR #3 Km. 85.6 Humacao PR 00661
- **GPS Latitude/Longitude:** 18.13916, -65.82562
- **Number of Stories:** 1
- **Actual Tenants:** Korner Manufacturing

GENERAL DAMAGE INFORMATION:

- **Date Damaged:** 9/20/2017.
- **Cause of Damage:** Wind Driven Rain, High Winds & Wind-Blown Debris.

SCOPE OF WORK:

Below is a general description of the scope of work (SOW) related to the repair of the PRIDCO building facilities. Scope of work and their respective descriptions subdivided into Public Assistance (PA), Hazard Mitigation (HM) and additional work:

Public Assistance (PA) – work to be performed:

- 1) Building Exterior, replace 1 each of Ventilator (1 missing bolt + dent cover), 34 IN, High Winds, High Driven Rain & Wind-Blown Debris.
- 2) Building Exterior, replace Roof Downspout, 10 FT long x 4 IN in diameter, metal, damaged by high winds.
- 3) Building Interior, replace 1 each of Jalousie Aluminum Window, 36 IN x 40 IN, High Winds & High Driven Rain.

Hazard Mitigation (HM) – work to be performed:

- 1) Building Exterior, when replacing the exhaust fans, add an anchoring system for each unit that will resist expected wind pressure during a similar event to prevent them from being overturned and damaged.
- 2) Building Exterior, when replacing the downspouts, add a downspout band every 5 feet. Total of 1 extra downspout bands.

Additional Work Description – work to be performed:

- 1) Building Exterior, replace 341 SF of Flat rolled asphalt waterproof membrane, 2-Ply Styrene butadiene Styrene (SBS) Modified Bituminous composite reinforced roofing system.
- 2) Building Exterior, replace 11,250 SF of Flat rolled asphalt waterproof membrane, 2-Ply Styrene butadiene Styrene (SBS) Modified Bituminous composite reinforced roofing system.
- 3) Building Interior, Replace 5 each of Jalousie Aluminum Window, 36 IN x 40 IN.

c. Damage #219099

GENERAL INFORMATION:

- **Project Worksheet (P/W):** 7768
- **Damage Information (DI):** 219099
- **PRIDCO Bldg. I.D.:** T-0708-0-65-00

GENERAL FACILITY INFORMATION:

- **Facility Type:** Building
- **Building Type:** Warehouse
- **Facility Description:** Industrial building used (leased) for manufacturing and commercial activities. One-story building, with main structure components (beams, columns ground slabs and foundation) comprised of reinforced concrete and concrete masonry Units (CMU). Roof structure composed of precast concrete beams with precast concrete roof deck planks (PORETE) with built-up roofing material. The building was constructed in 1965 and has approximate roof dimensions of 95FT x 130FT; 12FT x 32FT (restroom unit roofs) for an approximate total roof area of 12,734SF.
- **Year Built:** 1965
- **Location Description:** Humacao, PR
- **GPS Latitude/Longitude:** 18.13919, -65.82634
- **Number of Stories:** 1
- **Actual Tenants:** Med-Seed Growers

GENERAL DAMAGE INFORMATION:

- **Date Damaged:** 9/20/2017.

- **Cause of Damage:** High winds, wind driven rain and wind-blown debris.

SCOPE OF WORK:

Below is a general description of the scope of work (SOW) related to the repair of the PRIDCO building facilities. Scope of work and their respective descriptions subdivided into Public Assistance (PA), Hazard Mitigation (HM) and additional work:

Public Assistance (PA) – work to be performed:

N/A

Hazard Mitigation (HM) – work to be performed:

- 1) Building Exterior, when replacing the exhaust fans, add an anchoring system for each unit that will resist expected wind pressure during a similar event to prevent them from being overturned and damaged.

Additional Work Description – work to be performed:

- 1) Building Exterior, replace 1 each of Exhaust system cap over, 5 FT long x 5 FT wide.
- 2) Exterior Site, replace 190 Feet, 3-strands Barbed Wire (4-point).
- 3) Exterior Site, replace Chain link fence, 30 LF long x 6 FT high, Ga. No. 9, Post - 2-½" inch diam galv., 3-strands Barbed Wire (4-point).

Environmental Historical Preservation “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 recipients 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: (1) 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

EAST REGION

BID PACKAGE E1-3 PW: 7768

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.

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 in 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. For Virgin Islands Boas in St. Thomas and Steven's Cay US Virgin Islands (VI boas have not been reported on St. Croix or St. John):
7. Follow the same guidance above but contact the VI Division of Fish and Wildlife (VIDFW), for technical assistance (340-775-6762) and capture of any VI boas. For information on USVI boa, please visit: <https://ecos.fws.gov/ecp/species/3247>

b. The VIDFW has developed site-specific VI boa protocol; Applicants will be responsible for executing conservation measures recommended by VIDFW. Final project report to be submitted to USFWS. 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): 1. The Applicant shall handle, manage, and dispose of all solid and hazardous waste in

EAST REGION

BID PACKAGE E1-3 PW: 7768

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 PR DNER guidelines at a permitted site or landfill. 2. 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, abatement, or removal of those materials. 3. Unusable equipment, debris, white goods, scrap metal, any other material shall be disposed of in an 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. Non-compliance with these requirements may jeopardize receipt of federal funds.