

**UNIVERSITY OF PUERTO RICO  
CENTRAL ADMINISTRATION  
NOTICE OF REQUEST FOR PROPOSAL RFP #DRO 24-013 / B00001-T  
DESIGN AND SUPERVISION SERVICES**

**Timeline:**

**RFP publication date:** November 8, 2023.

**Site Visit date (Not Compulsory):**

UPR Ponce:	November 16, 2023, Time: 1:30am
UPR Mayagüez:	November 15, 2023, Time: 9:00am
UPR Utuado:	November 16, 2023, Time: 9:00am
UPR Mayagüez:	November 17, 2023, Time: 9:00am
Location:	For each location, please refer to Section 3 of the RFP Document.

**Deadline for Request for Information by email:** November 27, 2023, Time: on or before 4:30pm.

**Response for Request for Information by email:** November 29, 2023, Time: on or before 4:30pm.

The proposal must be submitted **by email on or before 11:59pm (AST) on December 6, 2023.** Address the indicated contacts in Section II (Mr. Julio Collazo Rivera, attention to Eng. Carlos Hiraldo and Eng. Eliezer Collazo). **The University of Puerto Rico (UPR) will accept offers via email in digital PDF format at [upprecovery.rfp@upr.edu](mailto:upprecovery.rfp@upr.edu).**

Oficina de  
Desarrollo  
Físico e  
Infraestructura

The UPR is working towards its recovery, which requires the issuance of this Request for Proposal for Design and Supervision Services for the UPR Recovery Project **B00001-DRO-T-11-2023-UTUADO-PONCE-RUM - Reconditioning of Facilities at Utuado, Ponce and Mayagüez Campuses of the University of Puerto Rico (Earthquake)**. The purpose of this RFP is to request and receive proposals from qualified Architecture and Engineering firms for the development of a detail design, method of repair (MOR), supervision completion certification for the compliance of the requirements from FEMA. The awarded firm or professional will also provide services of oversight and coordination for the execution of a complete comprehensive project.

The project will be divided into three (3) campuses (Utuado, Ponce and Mayagüez). The Utuado Campus is one (1) project which has three (3) facilities (DI) in total. The Ponce Campus is a one (1) project which has six (6) facilities (DI) in total. Lastly, the Mayagüez Campus has eleven (11) projects which contain a total of thirty-nine (39) facilities. The complete scope for this RFP has a total of thirteen (13) projects which includes forty-eight (48) facilities as stated within FEMA program. The project considers several construction tasks that will restore the facilities to their pre-disaster design, function, and capacity, including mitigation tasks as recommended by FEMA. All work to be performed must be within the existing footprint. Some works include mitigation measures and code compliance measures as recommended by FEMA in the respective scope of work for each building. Due to the building's year of construction, it may be necessary lead or asbestos abatement.

The UPR is an equal opportunity employer and does not discriminate as to sex, gender or sexual identity, race, age, national origin, religious creed, civil status, war veterans, handicap or disable status. The UPR reserves the right to reject any or all proposals and to award the auction under the conditions it deems most convenient to the interests of the UPR, regardless of the amount of the bids or to cancel the auction award at any time before the contract is signed.

Jardín Botánico Sur  
1187 Calle Flamboyán  
San Juan PR  
00926-1117  
Tel. 787-250-0000  
Fax 787-250-6568

  
Julio A. Collazo (Nov 6, 2023 12:41 AST)  
Julio A. Collazo Rivera, Director



**REQUEST FOR PROPOSALS FOR:**

**DESIGN AND SUPERVISION SERVICES FOR**

**Project Number: B00001-DRO-T-11-2023-UTUADO-PONCE-RUM**

**Project Title: Reconditioning of Facilities at Utuado, Ponce and Mayagüez Campuses of the University of Puerto Rico (Earthquake)**

**RFP # DRO 24-013/B00001-T**

**Physical Development and Infrastructure Office  
Disaster Recovery Office  
President's Office  
University of Puerto Rico**

**Project funded by:  
FEMA AND UPR PROGRAM**



**Universidad  
de Puerto Rico**

## Contents

1. BACKGROUND AND PURPOSE.....	3
2. CONTACT AND TIMELINE .....	4
3. TIMELINE AND SUBMISSION DATE .....	4
4. PROJECT DESCRIPTION .....	5
5. SERVICES.....	5
6. COST PROPOSAL.....	7
7. REQUIRED DOCUMENTS FOR THE SUBMISSION OF THE PROPOSAL.....	8
8. UPR RESPONSIBILITIES.....	10
9. COMPENSATION FOR DESIGN AND SUPERVISION SERVICES AND PAYMENT METHOD	10
10. PROPOSAL SCORING AND EVALUATION CRITERIA .....	11
11. FINAL EVALUATION.....	14
12. PROJECT AWARD .....	14
13. JUDICIAL REVIEW .....	15
14. BLACKOUT PERIOD .....	16
15. UPR DISCLAIMERS .....	16
16. REQUIRED DOCUMENTS FOR THE SIGNING OF THE CONTRACT .....	22
17. APPENDIX A .....	24
18. APPENDIX B.....	28
19. APPENDIX C .....	33
20. APPENDIX D.....	35
21. APPENDIX E .....	63
22. APPENDIX F .....	65
23. APPENDIX G.....	155

## 1. BACKGROUND AND PURPOSE

The University of Puerto Rico (the "UPR") is a public corporation of the Government of Puerto Rico, organized by Act No. 1 of January 20, 1966, as amended, known as "Ley de la Universidad de Puerto Rico" (the "UPR Act"), 18 LPRA § 601 et seq, and a higher education institution. During the period of December 28, 2019, through July 3, 2020, the University of Puerto Rico, Utuado Campus, Ponce Campus and Mayagüez Campus were impacted by an earthquake event. Disaster (DR4473) includes the UPR as a subrecipient of the Public Assistance Program for the Federal Emergency Management Agency (the "FEMA").

The UPR is working towards its recovery, which requires the issuance of this Request for Proposal (the "RFP") for Design and Supervision Services for the UPR Recovery Project: **B00001-DRO-T-11-2023-UTUADO-PONCE-RUM - Reconditioning of Facilities at Utuado, Ponce and Mayagüez Campuses of the University of Puerto Rico (Earthquake)**, ("The Project"). This Program is 90% (\$2,099,058.5) funded by FEMA and 10% (\$233,2287.17) matching funds from the UPR institutional funds. The purpose of this RFP is to request and receive proposals from qualified Architecture and Engineering firms for the development of a detail design, method of repair (MOR), supervision completion certification for the compliance of the requirements from FEMA. The awarded firm or professional will also provide services of oversight and coordination for the execution of a complete comprehensive project.

Proponents must explain in detail how they will be able to provide the required services and achieve the expected results, while in compliance with FEMA requirements. Previous experience with projects subject to compliance requirements under FEMA program is very important. Review and verification through the site area of FEMA's Scope of Work (the "SOW") is required, as well as the development of a detailed SOW (based exclusively in the FEMA SOW of earthquake damages provided) with current industry construction costs for the repairs in compliance with applicable actual codes and regulations. In addition, proponents shall provide the percent fee applicable for any future additional scope or scope change required for reinstate facility to normal functional operation.

The awarded proponent shall comply with all applicable Federal, state, and local laws, rules, regulations, and policies relating to FEMA Public Assistance Program services. This includes without limitation, applicable Federal Registers; 2 C.F.R. part 200 Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards; National Historic Preservation Act; 2 C.F.R. part 200.101, where applicable, and any other applicable state laws or regulations, including the requirements related to nondiscrimination and labor standards. [Click on link](#) to see Compliance with Federal Law, Regulations and Executive Orders.

## 2. CONTACT AND TIMELINE

The RFP shall be sent and addressed to:

**Mr. Julio Collazo Rivera**  
**Director**  
 Office of Physical Development & Infrastructure

**Attention to:**  
**Eng. Carlos Hiraldo Torres and Eng. Eliezer Collazo**  
**Field Operation Manager's**  
 Disaster Recovery Office

University of Puerto Rico  
 Jardín Botánico Sur 1187, calle Flamboyán  
 Río Piedras, Puerto Rico 00926-1117  
 Tel. (787) 250-0000, Ext. 5099  
**E-mail: [upprecovery.rfp@upr.edu](mailto:upprecovery.rfp@upr.edu)**

**NOTICE:** Be advised that interested proponents must register receipt of this RFP at [upprecovery.rfp@upr.edu](mailto:upprecovery.rfp@upr.edu) to qualify for receiving the following:

- Notice of changes or cancelation of the RFP;
- Responses to questions or clarifications made to interested proponents; and,
- Notice of award of the proposal.

## 3. TIMELINE AND SUBMISSION DATE

Description		Date
RFP publication		November 8, 2023.
Site Visit (Not Compulsory):  Be advised that interested proponents must register via email. Please provide complete company name, representative's name and email.	UPR Ponce – Location: In front of the Administration Building.	November 16, 2023 Time: 1:30 pm
	UPR Mayagüez – Location: UPR Isla Magueyes. Coordinates: (17.970855, -67.045608). Parking will be available near the dock (17.97183, -67.04504). Transportation to the island will be provided by the UPR.	November 15, 2023 Time: 9:00am
	UPR Utuado - Location: In front of the Administration Building.	November 16, 2023 Time: 9:00 am
	UPR Mayagüez - Location: Physics Building. <a href="https://maps.app.goo.gl/WnET1PNhjVZ7GoAc9">https://maps.app.goo.gl/WnET1PNhjVZ7GoAc9</a>	November 17, 2023 Time: 9:00am
Deadline for Request for Information (RFI) by email		November 27, 2023, Time: on or before 4:30pm Atlantic Standard Time (AST)
Response for Request for Information by email		November 29, 2023, Time: on or before

	4:30pm Atlantic Standard Time (AST)
The proposal must be submitted by email. Address the indicated contacts in Section 2 – CONTACT (Mr. Julio Collazo Rivera, Attention to Eng. Carlos Hiraldo and Eng. Eliezer Collazo)	December 6, 2023, Time: on or before 11:59pm Atlantic Standard Time (AST).
Award Notification	December 2023
Execution of Agreement	January 2024

The proposal must be compiled in digital PDF format. The dates may be subject to change at the discretion of the UPR. Interested proponents have the responsibility of verifying and checking the email from which they issued a notice of receipt of this RFP, as was indicated in Section 2 of this RFP. All official communication related to this RFP will be per that indication. The award notice of this proposal shall not constitute the formal agreement between the parties.

#### 4. PROJECT DESCRIPTION

The project will be divided into three (3) campuses (Utuado, Ponce and Mayagüez). Each campus is divided among themselves. The Utuado Campus is one (1) project which has three (3) facilities (DI) in total. The Ponce Campus is a one (1) project which has six (6) facilities (DI) in total. Lastly, the Mayagüez Campus has eleven (11) projects which contains a total of thirty-nine (39) facilities. The complete scope for this RFP has a total of thirteen (13) projects which includes forty-eight (48) facilities as stated within FEMA program.

The project considers several construction tasks that will restore the facilities to their pre-disaster design, function, and capacity, including mitigation tasks as recommended by FEMA. All work to be performed must be within the existing footprint. Some works include mitigation measures and code compliance measures as recommended by FEMA in the respective scope of work for each building. Due to the building's year of construction, it may be necessary lead or asbestos abatement.

In general terms, the required tasks for those buildings are as follows (See SOW in **Appendix F** for specifications).

#### 5. SERVICES

The **Awarded Proponent** will carry out, as part of the Design MOR and Construction Services, all the activities and responsibilities identified below, acknowledging that this does not constitute an exhaustive list of the duties, which can increase due to the very nature of the work:

##### 5.1 SERVICES RELATED TO FEMA'S SOW

5.1.1 The provided SOW serves as fundamental base for the development of a final detailed SOW. This final detailed SOW is required for submission to FEMA with the DEFINED METHOD OF REPAIR, for Scope of Work Alignment. The awarded

proponent is responsible for preparing cost estimates and schedules for the mentioned SOW and any additional SOW as required by UPR for compliance with all internal and FEMA procedures. These plans and other documents will comply with the above requirements and must be submitted to the UPR for consideration and approval.

5.1.2 The Awarded Proponent is responsible for verifying the SOW, Method of Repair (MOR), Bipartisan Budget Act of 2018, Pub. L. No. 115-123, § 20601, 132 Stat. 64 (2018) approved work included in this document. The Campus Liaison will coordinate the visit as soon as possible.

5.1.3 The Project shall comply with FEMA's requirements for Category E – Permanent Work as stated in the Public Assistance Program and Policy Guide FP104-009-2/April 2018 and Puerto Rico's construction laws, regulations, and codes.

5.1.4 The Awarded Proponent is responsible for notifying the UPR's representative in case of any change that may affect the primary SOW.

5.1.5 As part of the Method of Repair (MOR) design and supervision services to be provided, the Awarded Proponent will serve as a consultant in all matters related, constituting an advisory resource for the UPR in the plans, strategies, and actions referred and/or requested by the President or his authorized representative, COR3 or FEMA, and will be available to complete said requests and attend the meetings that the UPR deems necessary.

5.1.6 The Awarded Proponent will evaluate the 406 Hazard Mitigation proposed by FEMA and determine if it's viable or if there are better proposal measures to provide Hazard Mitigation to the facility. In case of a change, the awarded proponent, in coordination with the UPR's representative, will prepare a Hazard Mitigation proposal for submission to FEMA for its corresponding approval.

5.1.7 The Awarded Proponent will work as a representative of the UPR during the development of the Project. The personnel designated by the Awarded Proponent to oversee the project must be authorized and licensed to exercise the professions of engineering and/or architecture in Puerto Rico and must be a bona fide member of the Professional College of Engineers and Land Surveyors of Puerto Rico or the Architects and Landscape Architects Association of Puerto Rico with the corresponding membership fee payment up to date.

### 5.1.8

As part of the Basic Services the Awarded Proponent shall have the responsibility related to the preparation, processing and obtaining all the Endorsements and Permits required for the project. Has the responsibility of evaluating and determining the applicable permits to the project and doing everything necessary for compliance with state and federal agencies. These efforts will not be additional services, will be part of the basic services. The payments for submitting the endorsements, technical consultants, and/or permits to the applicable agencies will be part of the reimbursable expenses incurred costs.

Including lead and asbestos remediation permits and/or certificates in buildings prior to 1990. In addition, any environmental and historical agency that is required for this project.

The UPR reserves the right to award and request Additional Services. The award of Additional Services for a contract does not imply the complete utilization of the Additional Services amount. All necessary additional services must be requested to or authorized by the UPR. Requests for Additional Services will be made in writing, detailing their nature and associated costs, including coordination costs and the time required for execution.

Unless covered under the definition of Basic Services, all services that deviate from the generally accepted architecture/engineering practices will be considered as additional services. Specifically, this refers to services beyond those described in the contract, which the UPR will approve in writing, and within the budget allocated for these services.

Upon contract signing, to activate the Additional Services clause, the awarded proponent must submit a proposal. The UPR will then assess the necessity of performing the additional services. If deemed necessary, and in compliance with the federal procurement process, the UPR may request a minimum of three different proposals. Alternatively, the UPR can activate the clause by requesting additional services from the awarded proponent.

- Please refer to **Appendix F** for a complete FEMA's SOW.

## 6. COST PROPOSAL

The proposal **must be submitted only in the Table Form** stated in **Appendix D**.

**Note: Do not modify the template in Appendix D. All spaces are required and must be filled. If any space does not apply you should put (N/A) or other information. This is a substantial requirement, do not leave any blank spaces, for it could be cause for disqualification.**



## 7. REQUIRED DOCUMENTS FOR THE SUBMISSION OF THE PROPOSAL

### **General Instructions**

The evaluation and selection of a proposal will be based on the information submitted as required in this RFP. Additional information may be required upon interviews, if conducted. Proposers should respond clearly and completely to all requirements. Failure to respond to each of the requirements in the RFP may be the basis for rejecting a proposal. The proponent must carefully examine the RFP documents. **The submission of a proposal by a proponent will be considered evidence that it has read, understands, and accepts these requirements.**

The proponent must understand that any study or information presented is provided in good faith, with the purpose of offering access to the same information that the UPR obtained. Said information or studies must be supplemented by personal research and interpretation to be judged by the bidders. It is the responsibility of the proponents, not the UPR, any misinterpretation of the information presented.

Elaborate proposals (e.g., expensive artwork), beyond that sufficient to present a complete and effective proposal, are not necessary or desired.

### **Mandatory requirements, Proposal Preparation, and Submission**

Professional services of a Design and Supervision companies or individuals with current license to practice engineering or architecture in Puerto Rico is required.

Before submitting the offer, the proponent should carefully examine the RFP or proposal form provided in the RFP documents. The proponent will be responsible for any errors or omissions in the offer. Proposals will be submitted in said form and shall be initialized and signed on each page provided for it, in accordance with the following:

- a. If the proponent is an individual, the offer will be signed with the individual's name and should indicate "Individually." The individual's physical and postal address, telephone and email will be included, also proposal number and title of this RFP.
  - i. If the proponent is an individual operating under the name of a firm, the offer will be signed by the individual. The proponent will include the name of the firm under which it operates (dba). The postal and physical address, email, telephone of the firm will be included, also bid number and title of this RFP.
- b. If the proposer is a professional services corporation (P.S.C.), a limited liability company (L.L.C) or a limited liability partnership (L.L.P), its offer will be signed by its president, secretary, or other authorized official, according to its corporate resolution in this regard. The seal of the corporation must be attached. The physical and postal address, email, telephone of the main office of the corporation will be included, also proposal number and title of this RFP.

The offer and the documents identified below will be addressed to the indicated contacts in Section 2 – CONTACT via email in digital PDF format.

Proposers responding to this RFP **must comply** with the following documents:

- Letter of Intent - (1-page limit): Identifying the name and number of the RFP, and date of submittal. The letter must be signed by an authorized representative of the organization, that states the acceptance of the Terms and Conditions of this RFP, providing the exact business name to conduct business with the UPR, and address, telephone, fax number, e-mail address and SAM Entity Identifier Number.
  - SAM registration and annual renewal is a contract requirement. Proponents in the process of registering and/or renewing their SAM can participate in this RFP, however, if SAM registration and/or renewal process is not done by the time of award, your proposal may be rejected for not meeting federal procurement requirements.
- Appendix A – Statement of the Bidder
- Appendix B – Required Federal Documents (Lobbying Certification, Non-Conflict of Interest Certification and Limited Denial of Participation Affidavit)
- Appendix D - Cost Proposal, including additional SOW fee percentage (%)
- Cost Proposal Breakdown - Provide Cost Estimate Breakdown based in SOW provided in Appendix F.
- A color copy of the engineer's or architect's professional ID (Identificación de Colegiación) and a copy of the Department of State License.
- **Copy of initialized RFP and its Appendices.**
- Appendix E – Response Checklist - Before signing and submitting the proposal for this Project, interested proponents should carefully review and fill in the Appendix E – Response Checklist.

#### **Request for Information (RFI)**

An RFI or clarification shall be addressed by email to: [upprecovery.rfp@upr.edu](mailto:upprecovery.rfp@upr.edu) on or before the date established in this document and must reference this specific RFP (**RFP # DRO 24-013 / B00001-T**) in the subject line of the email. No telephone inquiries will be allowed. No further questions will be allowed after the established date. No questions will be accepted after the deadline provided in the above schedule, subject to any amendment to the same duly notified.

Any interpretations, correctios, or changes to this RFP will be made by addendum. Any changes to specifications will be made in writing and delivered to proponents that register receipt of this RFP at [upprecovery.rfp@upr.edu](mailto:upprecovery.rfp@upr.edu) . Proponents shall acknowledge receipt of the addenda on **Appendix D – Cost Proposal**.

## 8. UPR RESPONSIBILITIES

The University of Puerto Rico PR will provide for this RFP:

- All the available information considered necessary for the Project execution.

## 9. COMPENSATION FOR DESIGN AND SUPERVISION SERVICES AND PAYMENT METHOD

The UPR will pay **the Awarded Proponent only** for services rendered or provided to the satisfaction of the UPR. **The Awarded Proponent** will certify that it will submit invoices for services established in the contract and any other services approved in writing by the UPR.

For the performance of the **DESIGN AND SUPERVISION SERVICES**, the **Awarded Proponent** will prepare and deliver to the UPR the documents required for the phase within the time indicated in the basic itinerary agreed to between the parties. The design and bidding itinerary are based on a total of calendar days, beginning on the date of the written Notice to Proceed, and will be interrupted by the evaluation processes carried out by the UPR between each of the phases. Payments will be made after the UPR receives and approves in writing the documents required in the Design Phase, as indicated in the contract, based on a construction cost.

**The Awarded Proponent** must submit one (1) original and one (1) digital copy of the invoices to be certified by the President of the University of Puerto Rico or his authorized representative, in this case, the Director of the Office of Physical Infrastructure and Development at the University of Puerto Rico, Central Administration (the "ODFI"). In addition, the Designer/Supervisor will send a copy by email to the Project Coordinator appointed by ODFI. Each invoice must be delivered physically to the ODFI during the first ten (10) calendar days of the following month in which the services were rendered. During the Design Phase, the invoices must detail the services provided or the activities carried out, accompanied by the required documents, and comply with the Basic Services requirements established in this contract.

During the **SUPERVISION PHASE**, the **Designer/Supervisor** must submit, along with the invoice, one (1) monthly report with the summary of activities carried out during that period in accordance with the Scope of Work established in the contract. The report must include photographs that show the project progress, minutes of the meetings with the contractors, an analysis of the current status of the Project, an evaluation of the quality of the execution, and recommendations, among other documents that the **Designer/Supervisor** considers relevant or important. The report with its corresponding invoice must also be delivered on a Universal Serial Bus (USB) and sent by email to the Project Coordinator appointed by the ODFI.

Payments for rendered services will be issued according to contract and within thirty (30) calendar days, beginning on the date on which the Director of the Office of Physical Infrastructure and Development at the University of Puerto Rico, Central Administration approves the work performed, and the invoices and documentation received meet all requirements.

## 10. PROPOSAL SCORING AND EVALUATION CRITERIA

Accepted proposals will be reviewed by the UPR and scored against the stated criteria. The committee may review references, request interviews/presentations, conduct interviews, demonstrations and/or conduct on-site visits. The resulting information will be used to score the proposals. The scoring will be tabulated, and the proposals ranked based on the numerical scores received.

The requested proposal will be known as **DESIGN AND SUPERVISION SERVICES** to be provided by established and experienced engineer's or architect's firms. The **Awarded Proponent** shall be a professional or technical team fully experienced in project designs, architectural and engineering concepts, site improvements and infrastructure strategies, building development and technology, cost estimates, administration, management, evaluation, project control (budget and schedule) accounting, technological reporting systems, construction quality control and processes. The proponent must also be well versed in Federal compliance, with a proven performance record. The UPR will only consider architectural and engineering firms with established and verifiable experience with at least two (2) years or more of experience, with projects sponsored and funded by FEMA, UPR program, and/or another Federal agency.

The UPR must comply with all applicable federal and state laws, regulations, executive orders, and policy. Consequently, the UPR will review the Proponent's Proposal to determine overall responsiveness and completeness of the Proposal with respect to the components outlined in the RFP using the following evaluation criteria:

### **Executive Summary – Refer to Appendix A Statement of the Bidder**

- Provide a complete profile of your organization, mission, and vision statements.

### **Experience and strategy in providing the services (up to 30 points) – Refer to Appendix A Statement of the Bidder**

- Describe the organization/company's history, experience, and capabilities as it relates to the proposed scope of work. Be specific and detail no more than three projects/contracts: description of work, dates, locations, challenges, and results. (up to 4 points)
- Indicate relevant experience in projects with FEMA grants. (up to 6 points)
- Please indicate whether you have experience working with public or federal entities, and years of experience performing like services. (up to 6 points)

- Provide specific examples of the services or tasks previously provided by the entity as considered in this RFP. (up to 8 points)
- Detail your firm's understanding of the challenges and barriers for a project like this and proposed approach to overcoming these barriers. (up to 3 points)
- Identify potential risk factors and methods for dealing with these factors. (up to 3 points)

**Team qualifications (up to 25 points) – Refer to Appendix A Statement of the Bidder**

- The Proponent should provide detailed information about the experience and qualifications of the Proponent's principals, project managers, key personnel, and staff to be assigned, including degrees, certifications, licenses, and years of relevant experience in terms of Federal Grants and/or FEMA and FEMA regulatory requirements. The Proponent shall specifically identify current employees who will serve as Key Personnel. This includes the Proponent's own staff and staff from any subcontractors to be used. The Proponent should demonstrate that its staff (and/or subcontractor's staff) meet the desirable requirements listed below and have necessary experience and knowledge to successfully implement and perform the tasks and services. Any subcontractors should be named, along with a description of experience and what role they will play on the Proponent's team. The proponent should describe its demonstrated capability to provide the staffing with the qualifications required in this RFP through the term of the expected contract. (up to 15 points)
- Attach resumes of personnel (or/and sub-contractors, if any) who will be providing the services. Consider the infrastructure trades specialists (engineering and/or architectural consultants) based on the trades applicable for the scope work for this project (up to 10 points)
  - Personnel/Trade specialist mechanical, electrical, architectural, structural, civil and/or other qualifications per trades based on SOW.

**Proponent references (5 points) – Refer to Appendix A Statement of the Bidder**

- A minimum of three (3) references of the Proponent (as Prime Contractor) to which similar services have been provided within the past five years of a comparable sized institution or company, offering for each a summary of the work performed and how it relates to the scope of work under this RFP. Each reference should include a point of contact name, their title, name of the organization they represent, and their phone and e-mail information so that they may be contacted by the UPR or its designer(s). The Proponent is encouraged to provide up to two (2) references for identified subcontractors. (up to 5 points)
- If the Proponent has previous contracts with the UPR the performance directly related to those services will be taken into account as additional reference to those minimally required.

### **Cost Proposal Breakdown (5 points)**

- Provide Cost Estimate Breakdown based in SOW provided in **Appendix F** (5 points)

### **Cost Proposal (25 points) – Refer to Appendix D – Cost Proposal**

- Proponent with lower proposal (25 points), all other proposals receive a percentage of the point available based on their cost relationship to the lowest with the following formula:  $(\text{Lowest Cost Proposal} / (\text{Cost Proposal being evaluated})) \times \text{Total Cost Proposal Points}$ . The final score will be rounded to the nearest whole number.

### **Cost Proposal % Fee for additional SOW (5 points) – Refer to Appendix D – Cost Proposal**

- Proponent with lower % of fee for additional SOW (5 points)

### **Preference of 5 points for Section 3 Business Concern and MWBE**

The UPR will provide a preference of five (5) points in the evaluation criteria of the method of rating, for a greater participation of Section 3 Business Concern and M/WBE Registered Puerto Rico Business. The Proposer seeking the Section 3 preference must be able to demonstrate that they meet one of the following criteria:

- Percentage owned by Section 3 residents; or
- Has permanent, full time employees at least 30 percent of whom are currently Section 3 residents, or within three years of the date of first employment with the business concern were Section 3 residents; or
- Has subcontracted, or has a commitment to sub-contract, in excess of 25 percent of the total dollar award of all sub-contracts to be awarded to such businesses described above. You can locate the Section 3 or MWBE Policy document with all the related information of this topic available in English and Spanish on the PRDOH website.
  - <https://UPR.pr.gov/en/download/section-3-policy/>
  - <https://UPR.pr.gov/download/politica-sobre-seccion-3/>
  - <https://UPR.pr.gov/en/download/mwbe-policy>
  - <https://UPR.pr.gov/download/politica-mwbe/>
  - **Supporting evidence to substantiate Section 3 status can include; (i) Evidence of business ownership (e.g. Articles of Incorporation, By Laws, proof of 51% company ownership, Partnership Agreement); (ii) Evidence of employees of the business (e.g. roster of permanent full time employees, Section 3 Resident Self Certification Form for each employee who qualifies as newly hired Section Resident employee); (iii) Duly signed letter evidencing subcontracting at least 25% of the dollar amount.**
  - Proposers seeking M/WBE preference **should provide a copy of their MWBE certification to evidence their status.** The certification should

be provided by the following agencies as stated in the PRDOH M/WBE Policy Guide:

- **MBDA** – Minority Business Development Agency PR
- **WBENC** – Women's Business Enterprise National Council PR
- **PMSDC** – Puerto Rican Minority Supplier Development Council
- **EPA** – Office of Small Business Programs OSDBU

○

**TABLE - SUMMARY OF POINTS**

<b>Description</b>	<b>Points</b>
<b>Experience and strategy in providing the services</b>	<b>30</b>
<b>Team qualifications</b>	<b>25</b>
<b>Proponent references</b>	<b>5</b>
<b>Cost Proposal Breakdown</b>	<b>5</b>
<b>Cost Proposal</b>	<b>25</b>
<b>Cost Proposal % Fee for additional SOW</b>	<b>5</b>
<b>Total</b>	<b>95</b>
<b>Section 3 Business concerns and MWBE</b>	<b>5</b>
<b>Total</b>	<b>100</b>

## 11. FINAL EVALUATION

The UPR will review all Proposals submitted based on the proponent experience and execution of similar and complex projects. The Project will be awarded to firms that exceed the requirements of the RFP for the best value of overall services that surpass the UPR's interests and are in full compliance with FEMA and UPR procurement requirements.

The RFP may not be awarded to the Proponent who submitted the lowest price if, in the judgment of the Committees or the UPR, another Proposal offers a better value for the Government of Puerto Rico.

## 12. PROJECT AWARD

ODFI's Director will provide oversight on all contractual matters between the UPR and the awarded firm, including final professional services fee compensation, contract's details, and compliance.

The UPR reserves the right to reject any or all proposals and to award the bid under the conditions it deems most advantageous to the interests of the University of Puerto Rico, regardless of the amount of the offer. It also reserves the right to award the proposal to more than one proponent, cancel the RFP and/or the award of the bid at any time before the signing of the corresponding contract. The submission of a

response to an RFP does not represent an agreement of any kind between the UPR and the proponent.

The UPR will award the bid in writing and will state the reasons it had for the award. The UPR has the right to cancel the process of RFP without notice at any time.

### 13. JUDICIAL REVIEW

Any proponent adversely affected by a decision made by the UPR in connection with the selection and award procedures provided in this RFP may submit a request for reconsideration to the UPR in accordance with the Uniform Administrative Procedure Act, Law No. 38 of June 30, 2017, as amended, within ten (10) days from the award notification date to the following email [uprrecovery.rfp@upr.edu](mailto:uprrecovery.rfp@upr.edu).

A request for reconsideration, as well as any other petition for review, must be in writing and clearly identify the name and address of the requesting party, contain a detailed and accurate statement of the grounds for the request, including copies of all relevant documents, and specify the relief requested. A request for reconsideration or other petition for review that fails to comply with the time limits or procedures stated above or otherwise provided in this section may be dismissed or denied without further consideration. If the UPR fails to act on the motion for reconsideration within ten (10) business days of the filing thereof, it shall be understood that the motion was denied outright and the term for judicial review shall begin to elapse from said date.

If the UPR accepts the reconsideration request within the term provided for it, it must issue the reconsideration resolution within thirty (30) days following the filing of the motion for reconsideration. If the UPR accepts the reconsideration request but doesn't take any action in relation to the motion within thirty (30) days of being filed, it will lose jurisdiction over it and the term to request judicial review will begin from the expiration of said term of thirty (30) days. The UPR may extend said term only once, before it ends, for an additional term of fifteen (15) days.

**Judicial Review.** The proponent adversely affected by the UPR's final decision on reconsideration may file a petition for judicial review in accordance with the Uniform Administrative Procedure Act, Law No. 38 of June 30, 2017, as amended, before the Court of Appeals, within a term of twenty (20) days from the date a copy of the notice of the final resolution or order was filed in the record of the UPR or from the term of twenty (20) days from the expiration of the thirty (30) day period within which the UPR must act upon the request for reconsideration or from the time extended by the agency, if applicable. The party shall notify the UPR and all other parties of the filing of the petition for review within the term established to request such review. The notice may be sent by mail. Provided that if the date on which the copy of the notice of adjudication is filed in the records of the agency differs from the mailing date of said notice, the term shall be calculated from the mailing date.



## 14. BLACKOUT PERIOD

### 14.1. Definition of Blackout Period

The blackout period is a specified period during a competitive procurement process in which any Proponent, bidder, or its agent or representative, is prohibited from communicating with any UPR's employee or UPR's contractor involved in any step in the procurement process about the solicitation. The blackout period applies not only to UPR employees, but also to any current contractor of the UPR. "Involvement" in the procurement process includes but may not be limited to project management, design, development, implementation, procurement management, development of specifications, and evaluation of proposals for a particular procurement.

This solicitation designates the contact person (RFP Coordinator) and all communications to and from potential Contractors and/or their representatives during the blackout period must be in accordance with this RFP's defined method of communication with the RFP Coordinator. The blackout period begins on the date that the UPR first issued the publication of this RFP and will end when the 20 days of request for judicial review have passed.

In the event a prospective Contractor may also be a current UPR contractor, UPR employees and the prospective Proponent may contact each other with respect to their existing contract and duties only. Under no circumstances UPR employees or current contractors may discuss this RFP or corresponding procurement process or status. Any bidder, Proponent, or UPR contractor who violates the blackout period may be excluded from the awarding contract and/or may be liable to the UPR in damages and/or subject to any other remedy allowed under law, including but not limited to a ban in participating in any procurements issued by or for the UPR, or any entity of the Government of Puerto Rico, for a period of ten (10) years, if it is determined that such action results in violation of the Anticorruption Code, Puerto Rico Act 2-2018.

### 14.2. Other Prohibited Communications

Communications with other representatives of the Government of Puerto Rico or relevant entities of Federal Government regarding any matter related to the contents of this RFP are prohibited during the submission and selection processes. Failure to comply with these communications restrictions will result in rejection of the Proponent's proposal.

## 15. UPR DISCLAIMERS

By submitting a Proposal, the Proponent, on behalf of themselves and their Partners/Subconsultants acknowledges and agrees that:

### 15.1. Equal Employment Opportunity and Non-Discrimination

15.1.1. The awarded proponent and authorized subcontractors must comply with the Executive Order 11246 titled "Equal Employment Opportunity", as amended by Executive Order 11375, and as supplemented in Department of

Labor regulations (41CFR Part 60). In addition, the awarded proponent will not discriminate on account of sex, gender, gender identity, sexual orientation, age, race, color, national origin or social condition, physical or mental impairment, political or religious beliefs, marital status, for being a victim or being perceived as a victim of domestic violence, physical or mental handicap or veteran status in any employment, contracting or subcontracting practices called for by this contract.

## **15.2. Conflict of Interest**

15.2.1. No employee, officer, or agent may participate in the selection, award, or administration of a contract supported by a federal award if he or she has a real or apparent conflict of interest. The purpose of this prohibition is to ensure, at a minimum, that employees involved in the award and administration of contracts are free of undisclosed personal or organizational conflicts of interest—both in fact and appearance (2 C.F.R. § 200.318(c)(2)).

15.2.2. The Proponent shall notify the UPR as soon as possible if this contract or any aspect related to the anticipated work under this contract raises an actual or potential conflict of interest (as defined at 2 C.F.R. Part 215 and 24 C.F.R. § 85.36 (2013) (or 84.42 (2013), if applicable). The Proponent shall explain the actual or potential conflict in writing in sufficient detail so that the UPR can assess it.

15.2.3. In the event of real or apparent conflicts of interest, the UPR reserves the right, in its best interest and at its sole discretion, to reject a proposal(s) outright or to impose additional conditions upon Proponents. The Proponent shall accept any reasonable conflict mitigation strategy employed by the UPR, including but not limited to the use of an independent subcontractor(s) to perform the portion of work that gives rise to the actual or potential conflict. The UPR reserves the right to cancel any contract awarded pursuant to this RFP with 30 days' notice if an actual conflict of interest, or the appearance of such conflict, is not cured to UPR's satisfaction.

15.2.3.1. A real conflict of interest arises when an employee, officer, any member of his or her immediate family, his or her partner, or an organization which employs or is about to employ any of the aforementioned individuals, has a financial or other interest or a tangible personal benefit from a firm considered for a contract.

15.2.3.2. An apparent conflict of interest is an existing situation or relationship that creates the appearance that an employee, officer, or agent, any member of his or her immediate family, his or her partner, or an organization which employs or is about to employ any of the parties indicated herein, has a financial or other interest in or a tangible personal benefit from a firm considered for a contract.

15.2.3.3. Although the term "financial interest" is not defined or otherwise described in the Uniform Rules, a financial interest can be considered to be the potential for gain or loss to the employee, officer, or agent, any

member of his or her immediate family, his or her partner, or an organization which employs or is about to employ any of these parties as a result of the particular procurement. The prohibited financial interest may arise from:

15.2.3.3.1. Ownership of certain financial instruments or investments like stock, bonds, or real Estate.

15.2.3.3.2. A salary, indebtedness, job offer, or similar interest that might be affected by the procurement.

### **15.3. Proponent's Error and Omissions**

15.3.1. The UPR reserves the right to reject a submission that contains an error or omission. The UPR also reserves the right to request correction of any errors or omissions and/or to request any clarification or additional information from any Proponent, without opening clarifications for all Proponents. Proponents will be provided a reasonable period in which to submit written responses to UPR's requests for clarification or additional information. Proponents shall respond by the deadline stated in the correspondence.

### **15.4. Proponent's Expenses**

15.4.1. Proponents are solely responsible for their own expenses in preparing a Proposal and for subsequent negotiations with the UPR, if any. The UPR will not be liable to any Respondent for any claims, costs, or damages incurred by the Proponent in preparing the Proposal, loss of anticipated profit in connection with any final Agreement, or any other matter whatsoever.

### **15.5. Selection of proposal in best interest of the UPR**

15.5.1. Notwithstanding the selection criteria set forth in the RFP, if determined by the UPR to be in its best interest, the UPR reserves the right to request further information, negotiation, and select a Proposal(s) that, in its sole judgment, is consistent with, and responsive to the goals of its recovery plan, irrespective of whether it is the apparent lowest-priced Proposal.

### **15.6. Number of Awards**

15.6.1. At the sole discretion of the UPR and based upon the breadth and experience of Proponent to this RFP, or other factors considered in its best interests, the UPR may award contracts to more than one proponent and award any vendor one or more steps or task orders per contract. In such case, proponents acknowledge and accept that UPR reserves the right, in its absolute discretion, to further negotiate the terms and conditions of their Proposals and to withdraw an award(s) if an agreement acceptable to the UPR is not reached, notwithstanding the Proponents' submission of Best and Final Offers ("BAFOs").

### **15.7. Withdrawal Proposals**

15.7.1. A proponent may withdraw a Proposal at any time up to the date and time that the contract is awarded. The withdrawal must be submitted in writing to the RFP Coordinator. Absent a full withdrawal, Proponent must certify in the transmittal letter that its Proposal, including the submitted cost proposal and pricing, will be valid for one hundred twenty (120) days from UPR's receipt.

#### **15.8. SAM Registration**

15.8.1. SAM registration and annual renewal is a contract requirement. Proponents in the process of registering and/or renewing their SAM can participate in this RFP, however, if SAM registration and/or renewal process is not done by the time of award, your proposal may be rejected for not meeting federal procurement requirements.

#### **15.9. Contract Negotiations/No obligation to Contract/Rejection of Proposals/Cancellation of RFP**

15.9.1. The selection of any proposal for contract negotiation shall not imply acceptance by the UPR of all terms of the proposal, which may be subject to further negotiation and approvals before the UPR may be legally bound thereby.

15.9.2. Issuance of this RFP does not constitute a commitment by the UPR to award a contract. None of the participants in this RFP process have any acquired proprietary rights. The execution of a contract will be subject to government contracting process, all approvals required by law, including the FOMB if applicable. The UPR will not have any binding obligation, duties, or commitments to the Selected Proponent(s) until and unless a contract has been duly executed and delivered by the UPR after approval by the President. If the UPR is unable to negotiate a mutually satisfactory agreement with the Selected Proponent(s), it may, in its sole discretion, negotiate with the next highest-ranked Proponent(s) or cancel and reissue a new RFP. The UPR reserves the right to accept or reject, in whole or in part, all Proposals submitted and/or cancel this RFP and/or reissue this RFP or another version of it, at any time prior to the execution of a contract, if it determines, in its absolute discretion, that doing so is in its best interests. If any or all proposals are rejected, the UPR reserves the right to re-solicit proposals.

15.9.3. There is no guarantee of a minimal amount of work or compensation for any of the selected proponent selected for contract negotiations.

#### **15.10. Ownership of Proposals**

15.10.1. All documents, including Proposals submitted to the UPR, become the property of the UPR. Selection or rejection of a Proposal does not affect this provision.

### **15.11. Confidentiality of Proposals**

15.11.1. The UPR shall have no obligation to treat any information submitted in connection with a Proposal as proprietary or confidential unless (i) the Proponent so identifies such information in its Proposal as proprietary or confidential, and (ii) the UPR determines that the information is proprietary or a trade secret and legitimately requires such treatment or that it must otherwise be protected from publication according to law. The UPR obligations with respect to protection and disclosure of such information shall always be subject to applicable law. If the Proponent desires to identify any information in its Proposal as proprietary or confidential, it shall limit such designation to only those particular portions of the Proposal that actually constitute proprietary information, trade secrets, or other confidential matters or data. Identification of the entire Proposal or entire sections of the Proposal or other overly broad designations as confidential or proprietary are strongly discouraged and may result in the Proposal being deemed unresponsive. The UPR shall have the right to use all portions of the Proposal, other than those portions identified and marked as confidential or proprietary, as it considers necessary or desirable in connection with this RFP; and, by the submission of the Proposal, the Proponent thereby grants to the UPR an unrestricted license to use such unrestricted portions of the Proposal.

### **15.12. Collection and Use of Personal Information**

15.12.1. Proponents are solely responsible for familiarizing themselves and ensuring that they comply with the laws applicable to the collection and dissemination of information, including résumés and other personal information concerning employees and employees of any subcontractors. If this RFP requires Respondents to provide the UPR with personal information of employees who have been included as resources in Proposal to this RFP, Proponents will ensure that they have obtained written consent from each of those employees before forwarding such personal information to the UPR. Such written consents are to specify that the personal information may be forwarded to the UPR for the purposes of responding to this RFP and use by the UPR for the purposes set out in the RFP. The UPR may, at any time, request the original consents or copies of the original consents from Respondents, and upon such request being made, Respondents will immediately supply such originals or copies to the UPR.

### **15.13. RFP and Proposal as Part of Agreement**

15.13.1. This RFP, as well as any related solicitation documents such as Addenda and Questions & Answers, and the selected Proponent's Proposal will become part of any contract between the UPR and the Respondent. If the terms of the RFP and related documents or Proposal conflict with the contract, the contract terms shall control.

**15.14. Non-Assignment**

- 15.14.1. The successful proponent obligation under the contract shall not be assigned or transferred to any other person, firm, or corporation without the prior written consent of the UPR.

**15.15. Causes for Disqualification**

- 15.15.1. Failure to submit the proposal on or before the date and time deadline indicated in this RFP.
- 15.15.2. Failure to submit a fully completed proposal may be deemed nonresponsive.
- 15.15.3. Failure to submit appendix, form, certification, or required document may be ground for disqualification.
- 15.15.4. Any unauthorized ex-parte communication with UPR officials, employees, consultants or advisers, or any other unauthorized person, regarding this Project may be grounds for disqualification.

**15.16. No Bid**

- 15.16.1. Proponents, that for any circumstances decide not to participate in this RFP process, must notify the UPR by email the intention to not submit.

**15.17. Sub-Contracts or Consultants of the Awarded Proponent**

- 15.17.1. All federal and state law and regulations requirements apply to sub-contractors. The awarded proponent shall require all subcontractors to flow down the PRDOH's Conditions, as well as termination for convenience of the PRDOH, to all subcontractors as well as the requirement to flow down such terms to all lower-tiered subcontractors. These Conditions include required terms for project contracts, HUD General Provisions, Participation by Minority Group Members and Women Requirements and Procedures for Contracts with Housing Trust Fund Corporation, Standard Clauses for Contracts with the PRDOH, and required diversity forms. The UPR reserves the right to request the removal of any personnel, consultant, or employee from the project at any time or reason it deems appropriate.

## 16. REQUIRED DOCUMENTS FOR THE SIGNING OF THE CONTRACT

In addition of the above requirements, it is required that **before** the signing of the contract, the **successful proponent** provides all the documents listed below within **ten (10) calendar days** of selection. **These documents are essential requirements, the UPR reserves the right to cancel the award and/or RFP if the awarded proponent does not comply with the aforementioned term to submit documents:**

- 1. Certificate of Ethics (will be provided)
- 2. Authorization Form for Electronic Payment (will be provided)
- 3. Provide a Unique Entity Identifier (UEI) number; be registered and active in the System for Award Management SAM.GOV.
- 4. Section 3 Plan - [Click on link](#)
- 5. MWBE Utilization Plan - [Click on link](#)
- 6. Policies and Insurances – See **Appendix C**
- 7. Government ID, a color copy of the engineer's or architect's professional ID (*identificación de colegiación*) and a copy of the Department of State License to practice the profession.
- 8. Legal Entity Certification - Circular Letter No. 013-2021 of the Management and Budget Office (OGP). (Will be provided)
- 9. Eligibility Certification of the Unique Registry of Professional Service Providers (RUP) from the General Services Administration (ASG) may be accepted. If proponent doesn't have a valid RUP, **provide** the following documents:
  - Certificate of Good Standing from the State Department.
  - Department of State Certificate of Incorporation.
  - Corporate Resolution with Corporate's Seal authorizing Corporation's representative to sign the contract.
  - Debt Certification issued by Department of the Treasury, Form SC 6096, Rev. 24-Feb-2020. In case of debt, submit official Department of Treasury document which certifies that you are under a payment plan that is being fully complied with.
  - Certification of Filing of Income Tax Forms for the last five (5) years issued by the Department of Finance. Form SC 6088, Rev. 24-Feb-2020 (If there is no information because the Corporation has recently been incorporated, you must include an affidavit expressing such a situation.)
  - If the filing certification of payrolls does not register the filing corresponding to the year 2022, present a punched copy by the Treasury of the first sheet of the filed return.
  - Certificate of No Debt of the Municipal Revenue Collection Center (CRIM) for all concepts.
  - If there is debt, you must submit an official CRIM document evidencing a payment plan. If the Cert. of Filing of Movable Property Forms is negative, an Affidavit is required.
  - Certificate of No Debt of the CRIM of Real Estate of the Corporation. If there is debt, you must submit an official CRIM document evidence of a payment plan that is being fully complied with.

- Certification of Insurance for Unemployment, Temporary Disability, issued by the Department of Labor and Human Resources.
- Social Security Certification for Drivers, issued by the Department of Labor and Human Resources.
- Negative certification from ASUME that the Corporation does not owe payments to ASUME, from which it has withheld its employees, or negative certification ordering withholding.
- Merchant Registration Certification (IVU) Filing of Monthly Forms of IVU – Model SC 2942 A.
- Municipal Patent Certification.
- Affidavit – Law 2, January 4, 2018.

**END OF DOCUMENT**



**17. APPENDIX A**  
**STATEMENT OF THE BIDDER**

**UNIVERSITY OF PUERTO RICO BOARD OF AWARD STATEMENT OF THE BIDDER FOR CONTRACTORS**

**BUSINESS AND TECHNICAL ORGANIZATION.**

Bidder may use additional space to complete required information.

**I. PERMANENT PLACE OF BUSINESS**

A. Name of Bidder: \_\_\_\_\_

B. Mailing Address: \_\_\_\_\_

C. City and Zip Code: \_\_\_\_\_

D. Physical Address: \_\_\_\_\_

\_\_\_\_\_

E. City and Zip Code: \_\_\_\_\_

F. Telephone No: \_\_\_\_\_

G. E-Mail: \_\_\_\_\_

**II. PROPOSER REFERENCES - LIST BELOW SIMILAR CONTRACTS EXECUTED.**

Proposer must supply references of minimum three firms to which similar services have been provided within the past five years of a comparable sized institution or company.

No.	Client Name, Contact Person and telephone	Location	Type of Work (Description of the services provided, include any similar services to the herein required)	Contract Amount	Completion Date	Funding Resource (private, state, or federal)
1						
2						
3						
4						
5						

**III. LIST BELOW CONTRACTS IN HAND**

No.	Name Contact Person and Telephone	Type of Work	Contract Price	% Completed
1				
2				
3				
4				
5				

**IV. EXECUTIVE SUMMARY**

Provide a profile of your organization, mission, vision statements and organizational chart.

**V. EXPERIENCE DESCRIPTION AND STRATEGY IN PROVIDING THE SERVICES**

**VI. TEAM QUALIFICATIONS** - The Proponent should provide detailed information about the experience and qualifications of the Proponent's principals, project managers, key personnel, and staff to be assigned, including degrees, certifications, licenses, and years of relevant experience in terms of Federal Grants and/or FEMA and FEMA regulatory requirements. The Proponent shall specifically identify current employees who will serve as Key Personnel. This includes the Proponent's own staff and staff from any subcontractors to be used. The Proponent should demonstrate that its staff (and/or subcontractor's staff) meet the desirable requirements listed below and have necessary experience and knowledge to successfully implement and perform the tasks and services. Any subcontractors should be named, along with a description

Initials \_\_\_\_\_

of experience and what role they will play on the Proponent's team. The proponent should describe its demonstrated capability to provide the staffing with the qualifications required in this RFP through the term of the expected contract. Attach resumes of personnel (or/and sub-contractors, if any) who will be providing the services. Consider the infrastructure trades specialists (engineering and/or architectural consultants) based on the trades applicable for the scope work for this project. Personnel/Trade specialist mechanical, electrical, architectural, structural, civil and/or other qualifications per trades based on SOW.

I, \_\_\_\_\_ of \_\_\_\_\_ certified that the  
(Representative's Name) (Name of Organization)  
answer to these foregoing questions and all statement therein contained are true and  
correct.

\_\_\_\_\_  
Authorized representative signature

\_\_\_\_\_  
Date

Initials \_\_\_\_\_

## 18. APPENDIX B

# REQUIRED FEDERAL DOCUMENTS

In compliance with federal regulations, **all bidders** must submit the following documents with their tender documents:

1. Lobbying Certification (Use attached model below)
2. Non-Conflict of Interest Certification on Existing or Pending Contracts. (Use attached model below)
3. Limited Denial of Participation (LDP)/Suspension or Debarment Status Affidavit. (Use attached model below)

A bidder who omits any of the required documents may be disqualified.



## 1. LOBBYING CERTIFICATION RFP #DRO 24-013 / B00001-T

### Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$11,000 and not more than \$110,000 for each such failure.

Please check appropriate box:

No nonfederal funds have been used or are planned to be used for lobbying in connection with this application/award/contract.

or

Attached is Standard Form LLL, "Disclosure of Lobbying Activities," which describes the use (past or planned) of nonfederal funds for lobbying in connection with this application/award/contract.

Executed this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_

by \_\_\_\_\_

(Type or Print Name)

\_\_\_\_\_  
(Title of Executing Official)

\_\_\_\_\_  
(Signature of Executing Official)

\_\_\_\_\_  
(Name of organization/applicant)

Initials \_\_\_\_\_



**2. NON-CONFLICT OF INTEREST  
CERTIFICATION ON EXISTING OR PENDING CONTRACTS  
Request for Proposal (RFP)  
Design and Supervision Services  
Universidad de Puerto Rico  
RFP #DRO 24-013 / B0001-T**

I, \_\_\_\_\_, of legal age, of marital status (married/single), and a resident of \_\_\_\_\_, have been designated as the \_\_\_\_\_ authorized representative of \_\_\_\_\_ ("the Proposer") for the **Design MOR and Supervision services / RFP #DRO 24-013 / B00001-T** procurement process ("Procurement Process"). In such regard, I hereby certify that:

1. There are no relevant facts or circumstances that could give rise to an organizational or personal conflict of interest for the Proposer or its staff with respect to the Procurement Process with the Procuring Entity. Nonetheless, the Proposer recognizes that situations may arise that may appear to be, or are, conflicts -or- potential conflicts- of interest. The term "potential conflict" means reasonably foreseeable conflict of interest.
2. The Proposer will disclose to the Procuring Entity any relevant information of an apparent, potential, or actual conflict of interest that may appear to exist regardless of their opinion that such information would not impair their objectivity.
3. As per 2 C.F.R. § 200.318(c)(1), a conflict of interest would arise when "the employee, officer, or agent, any member of his or her immediate family, his or her partner, or an organization which employs or is about to employ any of the parties indicated herein, has a financial or other interest in or a tangible personal benefit from a firm considered for a contract". Therefore, I understand that conflicts of interests may arise in, but not limited to, the following situations:
  - a) **Unequal access to information.** A potential contractor, subcontractor, employee, or consultant has access to non-public information through its performance on a government contract for disaster recovery services in Puerto Rico.
  - b) **Biased ground rules.** A potential contractor, subcontractor, employee, or consultant has worked with a government contract or program with the basic structure or ground rules of another government contract for disaster recovery services in Puerto Rico.
  - c) **Impaired objectivity.** A potential contractor, subcontractor, employee, or consultant, or member of their immediate family (spouse, parent, or child) has financial interests, or others, that would impair, or give the appearance of impairing, impartial judgment in

Initials \_\_\_\_\_

the evaluation of government programs in offering advice or recommendations to the government, or in providing technical assistance or other services to recipients of Federal funds as part of its contractual responsibility.

4. In the case in which the Proposer discloses to the Procuring Entity an apparent, potential, or actual conflict of interest, the Procuring Entity will take the appropriate measures to address the disclosure by taking the following actions, which include but are not limited to, eliminating, mitigating or neutralizing the apparent, potential or actual conflict, when appropriate, through such means as ensuring a balance of views, disclosure with the appropriate disclaimers, or by restricting or modifying the work to be performed to avoid or reduce the apparent, potential, or actual conflict.
5. If an apparent, potential, or actual conflict of interest is discovered by the Proposer after the Procurement Process concludes, it will make a full disclosure in writing to the contracting officer. This disclosure shall include a description of actions that the Proposer has taken or proposes to take to avoid, mitigate, or neutralize the apparent, potential, or actual conflict of interest.
6. The Proposer has no present or currently planned interests (financial, contractual, organizational, or otherwise) relating to the contract or task order that may result from this Procurement Process that would create any apparent, actual, or potential conflict of interest (including conflicts of interest for immediate family members: spouses, parents, children) that would impinge on its ability to render impartial, technically sound, and objective assistance or advice or result in it being given an unfair competitive advantage.
7. The Proposer has exercised, and will continue to exercise, due diligence in avoiding, identifying, removing, or mitigating any apparent, potential, or actual conflicts of interests to the Procuring Entity's satisfaction.

---

Signature of Proposer's Authorized Representative

---

Date

---

Printed Name of Proposer's Authorized Representative

Initials \_\_\_\_\_





### 3. LIMITED DENIAL OF PARTICIPATION (LDP)/SUSPENSION OR DEBARMENT STATUS AFFIDAVIT

#### Request for Proposal (RFP) Design MOR and Supervision Services Universidad de Puerto Rico RFP #DRO 24-013 / B00001-T

By signing this Certification, the Proposer certifies that the firm, business, or person submitting the Statement of Qualifications, Proposal, Bid, or Quote has not been LDP, suspended, debarred or otherwise lawfully precluded from participating in any public procurement activity with any Federal, State or local government. Signing this Certification without disclosing all pertinent information about a debarment or suspension shall result in rejection of the proposal or cancellation of a contract. The **University of Puerto Rico** also may exercise any other remedy available by law.

In \_\_\_\_\_, \_\_\_\_ this \_\_\_\_ day of \_\_\_\_\_ of 20\_\_\_\_.

\_\_\_\_\_  
(Name of Entity)

\_\_\_\_\_  
(Authorized Representative)

\_\_\_\_\_  
(Printed Name of Authorized)

\_\_\_\_\_  
(Position)

Affidavit No. \_\_\_\_\_

Subscribed and sworn to before me in the city of \_\_\_\_\_, \_\_\_\_\_, this  
\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by \_\_\_\_\_ of legal  
age, \_\_\_\_\_ (civil status), \_\_\_\_\_ (occupation) and  
resident of \_\_\_\_\_, \_\_\_\_\_, in his/her capacity as  
\_\_\_\_\_ of Proposer, who I personally known or have  
identified by his/her \_\_\_\_\_.

\_\_\_\_\_  
Public Notary

Initials \_\_\_\_\_

## 19. **APPENDIX C**

# **POLICIES AND INSURANCE**

## **Required Insurance for the project**

### **RFP #DRO 24-013 / B00001-T**

Las cubiertas requeridas deben ser endosadas a favor de la Universidad de Puerto Rico.

- (X) Workmen's Compensation (Corp. del Fondo del Seguro del Estado)
- (X) Commercial General Liability (C.G.L.), including Employers Liability & Products Liability  
Limits – Combined Single Limit of \$1,000,000
- (X) Auto  
Limits – Combined Single Limit of \$500,000
- (X) Endorsements required for CGL & Auto:
  - (X) Hold Harmless Agreement
  - (X) Additional Insured
  - (X) Thirty (30) days cancellation notice
  - (X) Waiver of Subrogation
- (X) Errors & Omissions / Professional Liability – Limits \$1,000,000.00

## 20. **APPENDIX D**

# **COST PROPOSAL**

## COST PROPOSAL

**RE: RECONDITIONING OF UPR UTUADO, PONCE AND MAYAGÜEZ FACILITIES  
 (EARTHQUAKE), UNIVERSITY OF PUERTO RICO,  
 RFP #DRO 23-013 / B00001-T**

**\*WORKS TO BE SUBJECT OF FEDERAL FUNDS REIMBURSEMENT**

**Note:** Do not modify this Cost Proposal Template. Fill all the required spaces. If any space does not apply you should put (N/A) or other information. Do not leave any blank spaces.

COST PROPOSAL		
<b>GROUP PW # 00556 – UPR Utuado 01 NH Buildings</b>		
<b>(396854) UPR - Utuado Campus - Building A - Bridge, (399211) UPR - Utuado Campus - Building B – Bridge, (399214) UPR - Utuado Campus - Biblioteca</b>		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
<b>BASIC Services:</b>		
“As-is” damage assessment	___ days	\$
Define the Method of Repair (MOR) Design	___ days	\$
Construction Documents	___ days	\$
Bidding and Negotiation	N/A	\$
<b>Design Subtotal:</b>		<b>\$</b>
<b>Supervision:</b>	___ months x \$ ___ monthly	<b>\$</b>
<b>BASIC SERVICES TOTAL*:</b>		<b>\$</b>
<b>Reimbursable Expenses**:</b> For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.		<b>\$</b>
_____ (\$ _____)		
<b>Write the total amount (Basic Services Total + Reimbursable expenses) in words and numbers.</b>		

**Additional SOW Fee % \_\_\_\_\_ (Design subtotal + Supervision) / Estimated Cost**

\*The Basic Services will consider all the required permitting efforts with the state and federal agencies.

\*\*For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.

For possible Additional Services, the UPR reserves the right to adjust these amounts for their convenience.

Description of the possible Additional Services

The UPR establishes an amount of **\$2,000.00** for possible **Additional Services for PW 00556**

<b>COST PROPOSAL</b>		
<b>Group PW # 00774 – EUPR Ponce 03 NH Buildings</b> <b>(401032) UPR - Ponce Campus - Library Adelina Coppin Alvarado</b> <b>(401038) UPR - Ponce Campus - Academic Ruth Fortuno de Calzada</b> <b>(401043) UPR - Ponce Campus – Site</b> <b>(406771) UPR - Ponce Campus - Student Affairs Deanship Building</b> <b>(406797) UPR - Ponce Campus - Building J and Research Lab J-2</b> <b>(407214) UPR - Ponce Campus - University Guard</b>		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
<b>BASIC Services:</b>		
“As-is” damage assessment	___ days	\$
Define the Method of Repair (MOR) Design	___ days	\$
Construction Documents	___ days	\$
Bidding and Negotiation	N/A	\$
<b>Design Subtotal:</b>		<b>\$</b>
<b>Supervision:</b>	___ months x \$___ monthly	<b>\$</b>
<b>BASIC SERVICES TOTAL*:</b>		<b>\$</b>
<b>Reimbursable Expenses**:</b> For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.		<b>\$</b>
_____ (\$ _____ ) <b>Write the total amount (Basic Services Total + Reimbursable expenses) in words and numbers.</b>		
<b>Additional SOW Fee % _____ (Design subtotal + Supervision) / Estimated Cost</b>		

\*The Basic Services will consider all the required permitting efforts with the state and federal agencies.

\*\*For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.

Initials \_\_\_\_\_

For possible Additional Services, the UPR reserves the right to adjust these amounts for their convenience.

<b>Description of the possible Additional Services</b>

The UPR establishes an amount of **\$2,000.00** for possible **Additional Services for PW 00774**



<b>COST PROPOSAL</b>		
<b>Group PW # 00561 – EUPR Mayagüez 10 - Sport Facilities (407348) UPR - Mayagüez Campus - Natatorium, (407377) UPR - Mayagüez Campus - Tennis Court</b>		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
<b>BASIC Services:</b>		
“As-is” damage assessment	___ days	\$
Define the Method of Repair (MOR) Design	___ days	\$
Construction Documents	___ days	\$
Bidding and Negotiation	N/A	\$
<b>Design Subtotal:</b>		<b>\$</b>
<b>Supervision:</b>	___ months x \$___ monthly	<b>\$</b>
<b>BASIC SERVICES TOTAL*:</b>		<b>\$</b>
<b>Reimbursable Expenses**:</b> For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.		<b>\$</b>
_____ (\$_____)		
<b>Write the total amount (Basic Services Total + Reimbursable expenses) in words and numbers.</b>		
<b>Additional SOW Fee %_____ (Design subtotal + Supervision) / Estimated Cost</b>		

\*The Basic Services will consider all the required permitting efforts with the state and federal agencies.

\*\*For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.

For possible Additional Services, the UPR reserves the right to adjust these amounts for their convenience.

**Description of the possible Additional Services**

Initials \_\_\_\_\_


The UPR establishes an amount of **\$ 2,000.00** for posible **Additional Services for PW 00561**

<b>COST PROPOSAL</b>		
<b>Group PW #00643 – UPR EUPR Mayagüez 08 Magueyes Island Buildings</b> (407360) UPR - Mayagüez Campus - 812 Building of Magueyes Island (447501) UPR - Mayagüez Campus - 831 Almodovar Building of Magueyes Island (447503) UPR - Mayagüez Campus - 836 New Building 2 of Magueyes Island (447504) UPR - Mayagüez Campus - Mechanical Workshop of Magueyes Island (447506) UPR - Mayagüez Campus - Diving Compressor Tanks of Magueyes Island (447507) UPR - Mayagüez Campus - Baradero of Magueyes Island (447509) UPR - Mayagüez Campus - Dormitorios Cuerpos de Paz of Magueyes Island (447510) UPR - Mayagüez Campus - Dr. Weill Laboratory Building – Centro de Estudiantes of Magueyes Island (447551) UPR - Mayagüez Campus - Administrative Office of Magueyes Island (447552) UPR - Mayagüez Campus - Dormitorios de Arriba of Magueyes Island (453949) UPR - Mayagüez Campus - Fish Museum of Magueyes Island		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
<b>BASIC Services:</b>		
"As-is" damage assessment	___ days	\$
Define the Method of Repair (MOR) Design	___ days	\$
Construction Documents	___ days	\$
Bidding and Negotiation	N/A	\$
<b>Design Subtotal:</b>		<b>\$</b>
<b>Supervision:</b>	___ months x \$ ___ monthly	<b>\$</b>
<b>BASIC SERVICES TOTAL*:</b>		<b>\$</b>
<b>Reimbursable Expenses**:</b> For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.		<b>\$</b>
		<b>(\$ _____ )</b>

**Write the total amount (Basic Services Total + Reimbursable expenses) in words and numbers.**

**Additional SOW Fee % \_\_\_\_\_ (Design subtotal + Supervision) / Estimated Cost**

\*The Basic Services will consider all the required permitting efforts with the state and federal agencies.

\*\*For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.

For possible Additional Services, the UPR reserves the right to adjust these amounts for their convenience.

Description of the possible Additional Services

The UPR establishes an amount of **\$2,000.00** for possible **Additional Services for PW 00643**

<b>COST PROPOSAL</b>		
<b>Group PW # 00570 – EUPR Mayagüez 07 NH Buildings</b> <b>(406765) UPR - Mayagüez Campus - Interdisciplinary Center of Litoral Studies</b> <b>(407341) UPR - Mayagüez Campus - Sánchez Hidalgo</b> <b>(407345) UPR - Mayagüez Campus - Administration Building at Research and Development Center</b> <b>(407352) UPR - Mayagüez Campus - Esteban Terrats</b>		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
<b>BASIC Services:</b>		
"As-is" damage assessment	___ days	\$
Define the Method of Repair (MOR) Design	___ days	\$
Construction Documents	___ days	\$
Bidding and Negotiation	N/A	\$
<b>Design Subtotal:</b>		<b>\$</b>
<b>Supervision:</b>	___ months x \$___ monthly	<b>\$</b>
<b>Permit Management:</b> (Including lead and asbestos remediation permits and/or certificates in buildings prior to 1990.)	N/A	<b>\$</b>
<b>BASIC SERVICES TOTAL*:</b>		<b>\$</b>
<b>Reimbursable Expenses**:</b> For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.		<b>\$</b>
_____ (\$_____)		
<b>Write the total amount (Basic Services Total + Reimbursable expenses) in words and numbers.</b>		
<b>Additional SOW Fee %_____ (Design subtotal + Supervision) / Estimated Cost</b>		

\*The Basic Services will consider all the required permitting efforts with the state and federal agencies.

**\*\*For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.**

For possible Additional Services, the UPR reserves the right to adjust these amounts for their convenience.

<b>Description of the possible Additional Services</b>

The UPR establishes an amount of **\$2,000.00** for possible **Additional Services for PW 00570**

<b>COST PROPOSAL</b>		
<b>Group PW # 00296 – EUPR Mayagüez 06 H Buildings (407355) UPR - Mayagüez Campus - Museum and Academic Senate (407367) UPR - Mayagüez Campus - José de Diego</b>		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
<b>BASIC Services:</b>		
"As-is" damage assessment	___ days	\$
Define the Method of Repair (MOR) Design	___ days	\$
Construction Documents	___ days	\$
Bidding and Negotiation	N/A	\$
<b>Design Subtotal:</b>		\$
<b>Supervision:</b>	___ months x \$___ monthly	\$
<b>BASIC SERVICES TOTAL*:</b>		\$
<b>Reimbursable Expenses**:</b> For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.		\$
<div style="text-align: right; margin-bottom: 5px;">_____ (\$_____)</div> <b>Write the total amount (Basic Services Total + Reimbursable expenses) in words and numbers.</b>		
<b>Additional SOW Fee %_____ (Design subtotal + Supervision) / Estimated Cost</b>		

\*The Basic Services will consider all the required permitting efforts with the state and federal agencies.

\*\*For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.

For possible Additional Services, the UPR reserves the right to adjust these amounts for their convenience.

Initials \_\_\_\_\_

<b>Description of the possible Additional Services</b>

The UPR establishes an amount of **\$2,000.00** for possible **Additional Services for PW 00296**



<b>COST PROPOSAL</b>		
<b>Group PW # 00391 – EUPR Mayagüez 05 PH Biology Building (407338) UPR - Mayagüez Campus - Biology Building</b>		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
<b>PHASE</b>	<b>TIME (Calendar Days)</b>	<b>FEE</b>
<b>BASIC Services:</b>		
Catalog Damages As-is Damage Inventory (DI)	___ days	\$
Define the Method of Repair (MOR) Design	___ days	\$
Construction Documents	___ days	\$
Bidding and Negotiation	N/A	\$
<b>Design Subtotal:</b>		<b>\$</b>
<b>Supervision:</b>	___ months x \$___ monthly	<b>\$</b>
<b>BASIC SERVICES TOTAL*:</b>		<b>\$</b>
<b>Reimbursable Expenses**:</b> For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.		<b>\$</b>
_____ (\$_____)		
<b>Write the total amount (Basic Services Total + Reimbursable expenses) in words and numbers.</b>		
<b>Additional SOW Fee %_____ (Design subtotal + Supervision) / Estimated Cost</b>		

\*The Basic Services will consider all the required permitting efforts with the state and federal agencies.

\*\*For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.

For possible Additional Services, the UPR reserves the right to adjust these amounts for their convenience.

<b>Description of the possible Additional Services</b>

The UPR establishes an amount of **\$2,000.00** for possible **Additional Services for PW 00391**

<b>COST PROPOSAL</b>		
<b>Group PW # 00330 – EUPR Mayagüez 04 PH Physics Building (407337) UPR - Mayagüez Campus - Physics Building</b>		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
<b>BASIC Services:</b>		
“As-is” damage assessment	___ days	\$
Define the Method of Repair (MOR) Design	___ days	\$
Construction Documents	___ days	\$
Bidding and Negotiation	N/A	\$
<b>Design Subtotal:</b>		<b>\$</b>
<b>Supervision:</b>	___ months x \$___ monthly	<b>\$</b>
<b>BASIC SERVICES TOTAL*:</b>		<b>\$</b>
<b>Reimbursable Expenses**:</b> For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.		<b>\$</b>
_____ (\$_____)		
<b>Write the total amount (Basic Services Total + Reimbursable expenses) in words and numbers.</b>		
<b>Additional SOW Fee %_____ (Design subtotal + Supervision) / Estimated Cost</b>		

\*The Basic Services will consider all the required permitting efforts with the state and federal agencies.

\*\*For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.

For possible Additional Services, the UPR reserves the right to adjust these amounts for their convenience.

<b>Description of the possible Additional Services</b>

The UPR establishes an amount of **\$2,000.00** for possible **Additional Services for PW 00330**

<b>COST PROPOSAL</b>		
<b>Group PW # 00542 – EUPR - Mayagüez 14 - Huyke Residence, 3&amp;5 Residence, Art and Sculpture, Band and Orchestra, Doctoral Building                      (407366) UPR - Mayagüez Campus - Residence #5                      (407371) UPR - Mayagüez Campus - Doctoral Programs Building                      (410509) UPR - Mayagüez Campus - Residence #3                      (410551) UPR - Mayagüez Campus - Huyke Residence</b>		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
<b>BASIC Services:</b>		
"As-is" damage assessment	___ days	\$
Define the Method of Repair (MOR) Design	___ days	\$
Construction Documents	___ days	\$
Bidding and Negotiation	N/A	\$
<b>Design Subtotal:</b>		<b>\$</b>
<b>Supervision:</b>	___ months x \$___ monthly	<b>\$</b>
<b>BASIC SERVICES TOTAL*:</b>		<b>\$</b>
<b>Reimbursable Expenses**:</b> For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.		<b>\$</b>
_____ (\$_____)		
<b>Write the total amount (Basic Services Total + Reimbursable expenses) in words and numbers.</b>		
<b>Additional SOW Fee %_____ (Design subtotal + Supervision) / Estimated Cost</b>		

\*The Basic Services will consider all the required permitting efforts with the state and federal agencies.

\*\*For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.

Initials \_\_\_\_\_

For possible Additional Services, the UPR reserves the right to adjust these amounts for their convenience.

<b>Description of the possible Additional Services</b>

The UPR establishes an amount of **\$2,000.00** for possible **Additional Services for PW 00542**

<b>COST PROPOSAL</b>		
<b>Group PW # 00288 – EUPR – Mayagüez 13 – Business Administration, Athletes’ Residence, B &amp; C building, Arellano</b> <b>(407357) UPR – Mayagüez Campus – Business Administration</b> <b>(407361) UPR – Mayagüez Campus – Athlete’s Residence (Hotel)</b> <b>(407382) UPR – Mayagüez Campus – C Building</b> <b>(407390) UPR – Mayagüez Campus – Ramirez de Arellano (Ciencias y Tecnología de Alimentos)</b> <b>(407393) UPR – Mayagüez Campus – B Building (Alumni Colegial)</b>		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
<b>BASIC Services:</b>		
“As-is” damage assessment	___ days	\$
Define the Method of Repair (MOR) Design	___ days	\$
Construction Documents	___ days	\$
Bidding and Negotiation	N/A	\$
<b>Design Subtotal:</b>		\$
<b>Supervision:</b>	___ months x \$ ___ monthly	\$
<b>BASIC SERVICES TOTAL*:</b>		\$
<b>Reimbursable Expenses**:</b> For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.		\$
_____ (\$ _____)		
<b>Write the total amount (Basic Services Total + Reimbursable expenses) in words and numbers.</b>		
<b>Additional SOW Fee % _____ (Design subtotal + Supervision) / Estimated Cost</b>		

\*The Basic Services will consider all the required permitting efforts with the state and federal agencies.

**\*\*For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.**

For possible Additional Services, the UPR reserves the right to adjust these amounts for their convenience.

<b>Description of the possible Additional Services</b>

The UPR establishes an amount of **\$2,000.00** for possible **Additional Services for PW 00288**



<b>COST PROPOSAL</b>		
<b>Group PW # 00415</b> <b>EUPR - Mayagüez 12 - Lucchetti, Medical Services, Stefani, Library &amp; Chardon</b> <b>(407350) UPR - Mayagüez Campus - Lucchetti</b> <b>(407351) UPR - Mayagüez Campus - Medical Services</b> <b>(407353) UPR - Mayagüez Campus - Luis Stefani (College of Engineering)</b> <b>(407362) UPR - Mayagüez Campus - General Library</b> <b>(407365) UPR - Mayagüez Campus - Chardón</b>		
Estimated Construction Cost for the proposed development: \$ _____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
<b>BASIC Services:</b>		
"As-is" damage assessment	___ days	\$
Define the Method of Repair (MOR) Design	___ days	\$
Construction Documents	___ days	\$
Bidding and Negotiation	N/A	\$
<b>Design Subtotal:</b>		<b>\$</b>
<b>Supervision:</b>	___ months x \$ ___ monthly	<b>\$</b>
<b>BASIC SERVICES TOTAL*:</b>		<b>\$</b>
<b>Reimbursable Expenses**:</b> For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.		<b>\$</b>
_____ (\$ _____ ) <b>Write the total amount (Basic Services Total + Reimbursable expenses) in words and numbers.</b>		
<b>Additional SOW Fee % _____ (Design subtotal + Supervision) / Estimated Cost</b>		

\*The Basic Services will consider all the required permitting efforts with the state and federal agencies.

**\*\*For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.**

For possible Additional Services, the UPR reserves the right to adjust these amounts for their convenience.

<b>Description of the possible Additional Services</b>

The UPR establishes an amount of **\$2,000.00** for possible **Additional Services for PW 00415**

<b>COST PROPOSAL</b>		
<b>Group PW # 00280</b> <b>EUPR - Mayagüez 11 - Engineering Complex</b> <b>(407370) UPR - Mayagüez Campus - Civil Engineering</b> <b>(407374) UPR - Mayagüez Campus - Chemical Engineering Building</b> <b>(407381) UPR - Mayagüez Campus - Nanostructure Characterization Center</b>		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
<b>BASIC Services:</b>		
"As-is" damage assessment	___ days	\$
Define the Method of Repair (MOR) Design	___ days	\$
Construction Documents	___ days	\$
Bidding and Negotiation	N/A	\$
<b>Design Subtotal:</b>		<b>\$</b>
<b>Supervision:</b>	___ months x \$___ monthly	<b>\$</b>
<b>BASIC SERVICES TOTAL*:</b>		<b>\$</b>
<b>Reimbursable Expenses**:</b> For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.		<b>\$</b>
_____ (\$ _____)		
<b>Write the total amount (Basic Services Total + Reimbursable expenses) in words and numbers.</b>		
<b>Additional SOW Fee % _____ (Design subtotal + Supervision) / Estimated Cost</b>		

\*The Basic Services will consider all the required permitting efforts with the state and federal agencies.

\*\*For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.

Initials \_\_\_\_\_

For possible Additional Services, the UPR reserves the right to adjust these amounts for their convenience.

<b>Description of the possible Additional Services</b>

The UPR establishes an amount of **\$2,000.00** for possible **Additional Services for PW 00280**

<b>COST PROPOSAL</b>		
<b>Group PW # 00339 – EUPR - Mayagüez 09 - Estación Experimental Agrícola de Lajas-Main building (407342) UPR - Mayagüez Campus - Estación Experimental Agrícola de Lajas-Main building</b>		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
<b>BASIC Services:</b>		
“As-is” damage assessment	___ days	\$
Define the Method of Repair (MOR) Design	___ days	\$
Construction Documents	___ days	\$
Bidding and Negotiation	N/A	\$
<b>Design Subtotal:</b>		<b>\$</b>
<b>Supervision:</b>	___ months x \$___ monthly	<b>\$</b>
<b>BASIC SERVICES TOTAL*:</b>		<b>\$</b>
<b>Reimbursable Expenses**:</b> For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.		<b>\$</b>
_____ (\$_____)		
<b>Write the total amount (Basic Services Total + Reimbursable expenses) in words and numbers.</b>		
<b>Additional SOW Fee % _____ (Design subtotal + Supervision) / Estimated Cost</b>		

\*The Basic Services will consider all the required permitting efforts with the state and federal agencies.

\*\*For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.

For possible Additional Services, the UPR reserves the right to adjust these amounts for their convenience.

Initials \_\_\_\_\_

<b>Description of the possible Additional Services</b>

The UPR establishes an amount of **\$2,000.00** for possible **Additional Services for PW 00339**

Fees for additional professional services will be calculated using the % Fee design for services (Design subtotal + Supervision) / Estimated Cost included on the Cost Proposal tables above and/or hours-based rate described below:

<b>Fees for Professional Services</b>	
	<b>Fee per hour</b>

The proponent acknowledges the receipt of the following **addenda** and, unless otherwise specified, accepts that changes required in these Addenda are included in the Proposal:

**Addendum No. 1**– Description: \_\_\_\_\_

\_\_\_\_\_   
 Date \_\_\_\_\_

**Addendum No. 2**– Description: \_\_\_\_\_

\_\_\_\_\_   
 Date \_\_\_\_\_

Initials \_\_\_\_\_

**Addendum No. 3**– Description: \_\_\_\_\_

Date \_\_\_\_\_

No Addendum was received in connection with this RFP. If no Addenda is received, check the box.

The bidder understands that the Owner reserves the right to reject any or all bids and to waive any informality in the bidding.

**Dated:** \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

<b>Firm Name:</b>	
<b>Signed by:</b>	_____ (Sign it in ink)
<b>Name:</b>	
<b>Title:</b>	
<b>Mail Address:</b>	
<b>Physical Address:</b>	
<b>Phone Number:</b>	
<b>Fax Number:</b>	
<b>E-mail:</b>	

**Seal (if Bidder is a Corporation)**

Initials \_\_\_\_\_

## **21. APPENDIX E**

# **RESPONSE CHECKLIST**



## Response Checklist

Note: Before submitting the proposal to this RFP, please review the following:

- Did you include a Letter of Intent identifying the name and number of the RFP, date of submittal, signed by an authorized representative of the organization, that states the acceptance of the Terms and Conditions of this RFP, providing the exact business name to conduct business with the UPR, and address, telephone, fax number, e-mail address and SAM Entity Identifier Number?
- Do you have an **Active** Registration on SAM.gov?
- Did you complete and sign Appendix A - Statement of the Bidder?
- Did you fully complete Part 1 through 6 in the Statement of the Bidder, Appendix A?
- Did you attach the resumes of all firm personnel teamwork (or/and sub-contractors, specialized trades consultants, if any) who will be providing the services?
- Did you fully complete and include the additional SOW Fee Percentage (%) in Appendix D – Cost Proposal?
- If any space does not apply in Appendix D – Cost Proposal, did you put (N/A) or other information?
- Did you acknowledge the Addendums in Appendix D – Cost Proposal, if applicable?
- Did you **sign** and **seal** Appendix D – Cost Proposal following the instruction in Section 7 - REQUIRED DOCUMENTS FOR THE SUBMISSION OF THE PROPOSAL?
- Did you include a Cost Estimate Breakdown based on SOW provided in Appendix F – Scope of Work?
- Did you complete and include the required Federal Documents in Appendix B (Lobbying Certification, Non-Conflict of Interest Certification and Limited Denial of Participation Affidavit)?
- Did you include a color copy of the engineer's or architect's professional ID (Identificación de Colegiación) and a copy of the Department of State License?
- Did you include a copy of initialized RFP and its Appendices?
- Before signing and submitting the proposal for this Project, did you carefully review the Appendix E – Response Checklist?

Initials \_\_\_\_\_

## **22. APPENDIX F**

# **SCOPE OF WORK**

**I. GENERAL DATA OF THE PROJECT:**

**Campus: UPR Utuado**

# 0556:

DI: 396854	Building A - Bridge
DI: 399211	Building B - Bridge
DI: 399214	Biblioteca

**Campus: UPR Ponce**

# 0774:

DI: 401032	Library Adelina Coppin Alvarado
DI: 401038	Academic Ruth Fortuno de Calzada
DI: 406771	Student Affairs Deanship Building
DI: 406797	Building J and Research Lab J-2
DI: 407214	University Guard
DI: 401043	Site

**Campus: UPR Mayagüez**

# 0330:

DI: 407337	Physics Building
------------	------------------

# 0391:

DI: 407338	Biology Building
------------	------------------

# 0296:

DI: 407367	José de Diego
DI: 407355	Museum and Academic Senate

# 0570:

DI: 406765	Interdisciplinary Center of Litoral Studies
DI: 407352	Esteban Terrats
DI: 407345	Administration Building at Research and Development Center
DI: 407341	Sánchez Hidalgo

# 0643:

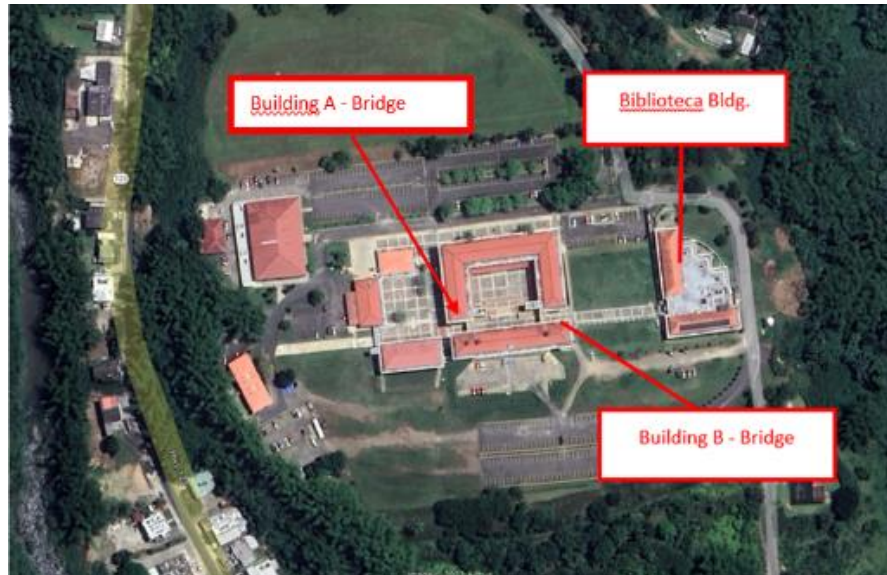
DI: 453949	Fish Museum of Magueyes Island
DI: 447551	Administrative Office of Magueyes Island
DI: 447503	836 New Building 2 of Magueyes Island
DI: 447507	Baradero of Magueyes Island
DI: 447510	Dr. Weill Laboratory Building Centro de Estudiantes of Magueyes Island
DI: 447552	Dormitorios de Arriba of Magueyes Island
DI: 447509	Dormitorios Cuerpos de Paz of Magueyes Island
DI: 447504	Mechanical Workshop of Magueyes Island
DI: 447501	831 Almodovar Building of Magueyes Island
DI: 407360	812 Building of Magueyes Island
DI: 447506	Diving Compressor Tanks of Magueyes Island

# 0339:	DI: 407342	Estación Experimental Agrícola de Lajas- Main building
# 0561:	DI: 407348	Natatorium
	DI: 407377	Tennis Court
# 0280:	DI: 407370	Civil Engineering
	DI: 407381	Nanostructure Characterization Center
	DI: 407374	Chemical Engineering Building
# 0415:	DI: 407351	Medical Services
	DI: 407365	Chardón
	DI: 407353	Luis Stefani (College of Engineering)
	DI: 407350	Lucchetti
	DI: 407362	General Library
# 0288:	DI: 407361	Athlete's Residence (Hotel)
	DI: 407393	B Building (Alumni Colegial)
	DI: 407357	Business Administration
	DI: 407390	Ramirez de Arellano (Ciencias y Tecnología de Alimentos)
	DI: 407382	C Building
# 0542:	DI: 410551	Huyke Residence
	DI: 407366	Residence #5
	DI: 407371	Doctoral Programs Building
	DI: 410509	Residence #3

**II. PROJECTS DESCRIPTION, LOCATION PLAN AND SCOPES:**

**a. PW 00556 - UPR UTUADO**

**i. LOCATION PLAN**



**ii. DESCRIPTION**

The University of Puerto Rico, Utuado campus is located in Salto Arriba Community. It was founded in 1990 and currently has an approximately enrollment of 554 undergraduate students. The facility is a pedestrian reinforced concrete bridge that connects Building A & B, and it consists of four (4) reinforced concrete columns with a pedestrian wall with an approximately 429 SF footprint. (39ft L x 11ft w). This facility was in operation at the time of the event.

**iii. SCOPE OF WORK- FEMA**

**The Scope of Work includes, but it's not limited to:**

<b>DI 396854 - UPR - Utuado Campus - Building A – Bridge</b>
<b>PA Works</b>
<b>Building Damage:</b>
<b>Bridge:</b>

<b>1</b>	Repair Plaster, 390 SF of painted plaster on pedestrian bridge parapet wall.
<b>2</b>	Repair Plaster, 17 SF of cracks and detached plaster.
<b>3</b>	Repair Plaster, 18 SF, 4 each, of painted plaster column of 1 ft. L x 4.5 ft. H.
<b>4</b>	Repair Crack, pedestrian bridge 39ft L x 11ft W, 11 LF.
<b>Under the Bridge:</b>	
<b>1</b>	Repair Plaster, 15 SF, 1 each of plaster 1 ft. W x 4 ft. L + 11 ft. L x 1 ft. in a painted and plaster area of 11 ft. wide by 39 ft.
<p><b>Scope Notes:</b></p> <p>1. Damages included in both disasters (4339PR and 4473PR) as identified in document labeled: DI396854-DR4473PR-UPR Utuado Campus-Building A-Bridge-Duplicity Review.pdf, were not considered in the cost estimate to avoid duplication of funds.</p>	
<b>406 HMP Scope DI# 396854</b>	
<b>Add liquid bonding agent to repaired areas to add strength to damage areas.</b>	

<b>DI 399211 - UPR - Utuado Campus - Building B - Bridge</b>	
<b>PA Works</b>	
<b>Building Damage:</b>	
<b>North &amp; South Joint with Building:</b>	
<b>1</b>	Repair Plaster, 40 SF of (2) painting and plaster joint sections between pedestrian bridge and north and south buildings has in each side, 20 FT long x 1 FT wide.
<b>Pedestrian Hallway:</b>	
<b>1</b>	Repair Plaster, 390 SF of plaster of (2) painted and plaster pedestrian bridge parapet wall each of, 39 FT wide x 5 FT high.
<b>Second level pedestrian bridge north and south entrance:</b>	
<b>1</b>	Repair Plaster, 10.5 SF of 2 painted and plaster column of, 8.5 FT long x 1 FT wide x 1 FT thick.
<p><b>Scope Notes:</b></p> <p>Damages included in both disasters (4339PR and 4473PR) as identified in document labeled: DI399211-DR4473PR-UPR Utuado Campus-Building B-Bridge-Duplicity Review.pdf, were not considered in the cost estimate to avoid duplication of funds.</p>	

<b>406 HMP Scope DI# 399211</b>
<b>Add liquid bonding agent to repaired areas to add strength to damage areas.</b>

<b>DI 399214 - UPR - Utuado Campus - Biblioteca</b>	
<b>PA Works</b>	
<b>Building Damage:</b>	
<b>Audiovisual room:</b>	
<b>Building SW wall:</b>	
A	Repair Cracks, 336 LF. on 1,680 SF of painted and plaster concrete wall of, 120 FT long x 14 FT high.
<b>Entrance wall:</b>	
B	Repair Crack, 40.5 LF., hairline cracks on Plaster Concrete, 30 FT L x 15.75 FT H.
Scope Notes:	
1. Damages included in both disasters (4339PR and 4473PR) as identified in document labeled: DI399214-DR4473PR-UPR Utuado Campus-Biblioteca-Duplicity Review.pdf, were not considered in the cost estimate to avoid duplication of funds.	





roof. The interior finishes generally consist of plastered and painted walls and polished concrete floor slabs and floor tiles. Building consists of Classrooms, Laboratories, Storage, Janitor Rooms, Administrative Offices and Bathrooms. This Facility was in operation at the time of the event.

University Grounds Sidewalks used by the campus personnel and students to reach all the buildings facility (13,177sf affected area), a total footprint of the lot is approximately 16.37 hectares.

Student Affairs Deanship Building is a 2 story building, 3625 SF in Ponce P.R.. Student Affairs Deanship Building were constructed in 1978 (42 years old). The Building are a cast-in-place reinforced concrete building with flat type roof. The interior finishes generally consist of plastered and painted walls and polished concrete floor slabs and floor tiles. Building consists of Classrooms, Laboratories, Storage, Janitor Rooms, Administrative Offices and Bathrooms. This Facility was in operation at the time of the event.

Building J and Research Lab J-2 is a 1 story building, 4,477 SF in Ponce P.R.. The J and Research Lab J-2 Building were constructed in 1978 (42 years old). The Building are a cast-in-place reinforced concrete building with flat type roof. The interior finishes generally consist of plastered and painted walls and polished concrete floor slabs and floor tiles. Building consists of Classrooms, Laboratories, Storage, Janitor Rooms, Administrative Offices and Bathrooms. This Facility was in operation at the time of the event.

Guard House Offices with two bathrooms, lockers area and storage, used for security of the University grounds with a total of approximately of 1,079 SF footprint area.

**iii. SCOPE OF WORK- FEMA**

**The Scope of Work includes, but it's not limited to:**

<b>DI 401032 - UPR - UPR - Ponce Campus - Library Adelina Coppin Alvarado</b>	
<b>PA Works</b>	
<b>Building Damage:</b>	
<b>South and East Wall at Sub Station:</b>	
A	Repair Vertical / Horizontal Plaster Cracks, 15 FT long x 0.25 IN wide.
B	Clean and paint 404.1 SF of Vertical / Horizontal Plaster Cracks, 40.41 FT long x 10 FT high.
<b>Woman/Men's Bathroom:</b>	

C.	Repair Tile Damage, Vertical Crack at North wall, 10 FT long x 0.125 IN wide, Wall Dimension: 10ft L x 10 ft H.
D.	Clean and paint 36 SF of Surface above wall tiles, 10 FT long x 3.6 FT high, and remove and replace 65 SF of wall tiles, Tile Height: 6 FT-6 IN x 10 FT L. See Scope Note #2.
<b>Elevator Interior Walls:</b>	
E.	Repair Horizontal Plaster Cracks visible in both sides of the wall, 26.5 FT long x 0.25 IN wide, Wall 1 Dimension: 9ft L x 10 ft H, Wall 2 Dimension: 15ft 9 in L x 10 ft H, Wall 3 Dimension: 14ft 6 in L x 10 ft H.
F.	Clean and paint 785 SF of Surface in both sides of the walls, 39.25 FT long x 10 FT high, Wall 1 Dimension: 9ft L x 10 ft H, Wall 2 Dimension: 15ft 9 in L x 10 ft H, Wall 3 Dimension: 14ft 6 in L x 10 ft H.
<b>Elevator Machinery Room:</b>	
G.	Repair Vertical/Horizontal Plaster Cracks at South Wall, 7 FT long x 0.25 IN wide, Wall Dimension: 5ft L x 8ft 3 in H.
H.	Clean and paint 41.25 SF of Surface, 5 FT long x 8.25 FT high.
<b>AC Duct Column:</b>	
I.	Repair Vertical/Horizontal Plaster Cracks at Column, 18 FT long x 0.25 IN wide, Wall Dimension: 17ft 5in L x 10ft H, Column Dimension: 22in L x 22in W x 10ft H.
J.	Clean and paint 174.1 SF of Surface, 17.41 FT long x 10 FT high.
<b>Rectoría Bathroom:</b>	
K.	Repair Vertical Crack and Tile Damage, 7 FT long x 0.125 IN wide, Wall Dimension: 4ft L x 10 ft H.
L.	Clean and paint 14 SF of Surface, 4 FT long x 3 FT-6 IN high, and remove and replace 26 SF of wall tiles, 4 FT L x 6 FT-6 IN. See Scope Note #3.
<b>Revistas Room East Wall, 2nd Floor:</b>	
M.	Repair Vertical Plaster Crack visible in both sides of the wall, 10 FT long x 0.25 IN wide, Wall Dimension: 13ft L x 10 ft H.
N.	Clean and paint 260 SF of Surface in both sides of the wall, 13 FT long x 10 FT high.
<b>Recursos No Impresos East Wall Entrance, 2nd Floor:</b>	
O.	Repair Vertical Plaster Crack visible in both sides of the wall, 10 FT long x 0.25 IN wide, Wall Dimension: 15ft 6in L x 10 ft H.
P.	Clean and paint 155 SF of Surface, 15.5 FT long x 10 FT high.
<b>Sala de Proyección West Wall, 2nd Floor:</b>	
Q.	Repair Diagonal Plaster Crack, 24 FT long x 0.25 IN wide, Wall Dimension: 17ft L x 10 ft H.

R.	Clean and paint 170 SF of Surface, 17 FT long x 10 FT high.
Elevator Front Wall, 2nd Floor:	
S.	Repair Horizontal Plaster Crack, 15 FT long x 0.25 IN wide, Wall Dimension: 15ft L x 10 ft H.
T.	Clean and paint 150 SF of Surface, 15 FT long x 10 FT high.
Stair #1 Interior Wall (Chase), 2nd Floor:	
U.	Repair Vertical Joint Crack, 10 FT long x 0.25 IN wide, Wall Dimension: 26ft L x 10 ft H.
V.	Clean and paint 260 SF of Surface, 26 FT long x 10 FT high.
Ductos AC East Wall, 2nd Floor:	
W.	Repair Vertical Plaster Cracks, 30 FT long x 0.25 IN wide, Wall Dimension: 17ft L x 10 ft H.
X.	Clean and paint 170 SF of Surface, 17 FT long x 10 FT high.
Centro de Estudios South Wall, 2nd Floor:	
Y.	Repair Diagonal Plaster Crack, 6 FT long x 0.25 IN wide, Wall Dimension: 25ft 6 in L x 10 ft H.
Z.	Clean and paint 255 SF of Surface, 25.5 FT long x 10 FT high.
Multi Use Room South and East Walls, 2nd Floor:	
AA.	Repair Vertical Plaster Cracks, 44 FT long x 0.25 IN wide, South Wall Dimension: 22ft 8 in L x 10 ft H, East Wall Dimension: 23ft L x 10ft H.
BB.	Clean and paint 456.6 SF of Surface, 45.66 FT long x 10 FT high.
Computer Room South Wall, 2nd Floor:	
CC.	Repair Vertical Plaster Cracks, 10 FT long x 0.25 IN wide, South Wall Dimension: 28ft 5in L x 10ft H.
DD.	Clean and paint 284.1 SF of Surface, 28.41 FT long x 10 FT high.
Exterior Covered Porch:	
EE.	Remove and replace 100 SF of Detached Exterior Ceiling Sheet Rock, 10 FT long x 10 FT wide.
FF.	Paint 800 SF of Ceiling Surface at 40 FT Height, 40 FT long x 20 FT wide.
Scope Notes:	
1. The Applicant will not claim cost of materials used, only the force account labor. See document P#160409-DR4473PR-Email 4-21-2022 Requested Information.pdf.	

2. Crack affected the wall area and the wall tiles, therefore the Paint area considered is 10 FT L x 3 FT-6IN (36 SF) and the Wall tiles area considered is 10 FT L x 6 FT-6 IN FT H.
3. Crack affected the wall area and wall tiles, therefore Paint area considered – 4 FT L x 3 FT-6 IN (14 SF) + Wall tiles area considered – 4 FT L x 6 FT-6 IN (26 SF) totals the 40 SF specified in the DDD.

<b>DI 401038 - UPR - Ponce Campus - Academic Ruth Fortuno de Calzada</b>	
<b>PA Works</b>	
<b>Building Damage:</b>	
<b>1st Floor:</b>	
<b>Hallway/South Wall:</b>	
A	Repair Concrete column/wall joint 36 FT L (10 FT long vertical crack + 8 FT long diagonal crack) vertical and diagonal non-structural cracks in the column joint, on both sides. See Scope Note #3.
B	Clean and paint 380 SF of Surface, 19 FT long x 10 FT high on both sides. See Scope Note #4.
<b>Room 122/North Wall:</b>	
C.	Repair Concrete wall (23.33 FT long x 10 FT high wall), 12 FT long horizontal crack on bottom of wall.
D.	Clean and paint 233.3 SF of Paint, 23.33 FT long x 10 FT high.
<b>Room 122/South Wall:</b>	
E.	Repair Concrete wall, 20 FT long x 4 FT high, 6 LF of horizontal crack on bottom of wall.
F.	Clean and paint 80 SF Surface, 20 FT long x 4 FT high. See Scope Note #5.
<b>Room 122/Floor:</b>	
G.	Repair Floor settlement (20 FT long x 12 FT wide floor slab), 20 FT long x 1.5 IN deep.
<b>Room 123/South Wall:</b>	
H.	Repair Concrete wall (24 FT long x 4 FT high wall), 15 FT long diagonal crack on wall. See Scope Note #6.
I.	Clean and paint 96 SF of Surface, 24 FT long x 4 FT high.
<b>Room 123/Floor:</b>	
J.	Repair Floor settlement (23.42 FT long x 12 FT wide floor slab), 23.42 FT long x 2 IN deep.
<b>Room 124/South Wall:</b>	

K.	Repair Concrete wall (24 FT long x 4 FT high wall), 24 FT long x 0.5 IN wide horizontal crack on wall.
L.	Clean and paint 96 SF of Surface, 24 FT long x 4 FT high.
Room 124/Floor:	
M.	Repair Floor settlement (24 FT long x 12 FT wide floor slab), 24 FT long x 0.5 IN deep.
Room 125/East Wall:	
N.	Repair Concrete wall (24 FT long x 10 FT high wall), 9 FT long diagonal crack on wall.
O.	Clean and paint 240 SF of Surface, 24 FT long x 10 FT high.
Room 125/North Wall:	
P.	Repair Concrete wall joint (24 FT long x 10 FT high wall), 26 FT long diagonal crack in the wall joint, on both sides. See Scope Note #7.
Q.	Building Interior, 480 SF of Paint Surface, 24 FT long x 10 FT high, on both sides. See Scope Note #8.
Room 125/Floor:	
R.	Repair Floor settlement (24 FT long x 12 FT wide floor slab), 24 FT long x 1.5 IN deep.
Hallway/North Wall:	
S.	Repair Concrete wall joint (13 FT long x 10 FT high wall), 10 FT high.
T.	Clean and paint 130 SF of Surface, 13 FT long x 10 FT high.
Hallway/North Wall:	
U.	Repair Concrete column and wall joint (12 FT long x 10 FT high), 20 FT high.
V.	Clean and paint 120 SF of Surface, 12 FT long x 10 FT high.
Hallway to Room 127/South Wall:	
W.	Repair Concrete wall (6 FT long x 10 FT high wall), 10 FT long diagonal crack on wall.
X.	Clean and paint 60 SF of Paint Surface, 6 FT long x 10 FT high.
Room 134/West Wall:	
Y.	Repair Concrete wall (41 FT long x 10 FT high wall), 25 FT long (9 FT long horizontal crack + 16 FT long vertical crack) horizontal and vertical cracks on wall.
Z.	Clean and paint 410 SF of Surface, 41 FT long x 10 FT high.
Room 134/South Wall:	
AA.	Repair Concrete wall joint (4 FT long x 10 FT high wall), 11 FT long.
BB.	Clean and paint 40 SF of Surface, 4 FT long x 10 FT high.

Room 135/North Wall:	
CC.	Repair Concrete wall (24 FT long x 10 FT high wall), 11 FT long x 0.125 IN deep horizontal crack on wall.
DD.	Clean and paint 240 SF of Surface, 24 FT long x 10 FT high.
Room 135 - A & B/Floor:	
EE.	Repair Floor settlement (2 - 23.5 FT long x 12 FT wide floor slabs), Room A) 23.5 FT long x .75 IN deep & Room B) 23.5 FT long x 1.25 IN deep.
Room 136/South Wall:	
FF.	Repair Concrete wall, 23.75 FT long x 10 FT high, 17 FT-1/6 IN of horizontal crack (8 FT 7 IN x 2 sides of wall). See Scope Note #9.
GG.	Clean and paint 475 SF of Surface, 23.75 FT long x 10 FT high, 17 FT-1/6 IN of horizontal crack (8 FT 7 IN x 2 sides of wall). See Scope Notes #9 and 10.
Room 136:	
HH.	Repair Floor settlement (47.5 FT long x 12 FT wide floor slab), 47.5 FT long x 1 IN deep.
Room 136/West Wall:	
II.	Repair Concrete wall, 23.66 FT long x 10 FT high, 12 LF of vertical crack 1/4 IN thick.
JJ.	Clean and paint 236.6 of Surface, 23.66 FT long x 10 FT high.
Room 136 Storage Room/West Wall:	
KK.	Repair Concrete wall (16 FT long x 11.42 FT high wall), 34 FT long (12 FT long horizontal crack + 22 FT long vertical crack) horizontal and vertical cracks on wall.
LL.	Clean and paint 182.72 SF of Paint Surface, 16 FT long x 11.42 FT high.
Room 137 Storage Room/North Wall:	
MM.	Repair Concrete wall (13.5 FT long x 10 FT high wall), 19 FT long (11 FT long vertical crack + 8 FT long diagonal crack) vertical and diagonal cracks on wall.
NN.	Clean and paint 135 SF of Surface, 13.5 FT long x 10 FT high.
Room 137/East Wall:	
OO.	Repair Concrete wall plaster (22.83 FT long x 10 FT high wall), 16 FT long (8 FT long horizontal crack + 8 FT long vertical crack) horizontal and vertical cracks on wall (plaster).
PP.	Building Interior, 228.3 SF of Surface, 22.83 FT long x 10 FT high.
Room 143/Southwest Wall:	

QQ.	Repair Concrete wall (12 FT long x 10 FT high wall), 22 FT long (12 FT long horizontal crack + 10 FT long vertical crack) horizontal and vertical cracks on wall.
RR.	Clean and paint 120 SF of Surface, 12 FT long x 10 FT high.
Room 143:	
SS.	Repair Concrete wall (12 FT long x 10 FT high wall), 23 FT long (12 FT long horizontal crack + 11 FT long vertical crack) horizontal and vertical cracks on wall.
TT.	Clean and paint 120 SF of Surface, 12 FT long x 10 FT high.
Room 105/North Wall:	
UU.	UU. Repair Floor settlement (23.33 FT long x 12 FT wide floor slab), 24 FT long x 1 IN deep.
Hallway Access to Stairs:	
VV.	Repair Floor settlement (16 FT long x 11.5 FT wide floor slab), 16 FT long x 0.5 IN deep.
Room 106:	
WW.	Repair Floor settlement (23.33 FT long x 12 FT wide floor slab), 23.33 FT long x 0.5 IN deep.
Room 107:	
XX.	Repair Floor settlement (23.33 FT long x 12 FT wide floor slab), 23.33 FT long x 1 IN deep.
Room 108:	
YY.	Repair Floor settlement (23.33 FT long x 12 FT wide floor slab), 23.33 FT long x 0.38 IN deep.
Room 110:	
ZZ.	Repair Floor settlement (23.33 FT long x 12 FT wide floor slab), 23.33 FT long x 0.75 IN deep.
Room 111:	
AAA.	Repair Floor settlement (23.33 FT long x 12 FT wide floor slab), 23.33 FT long x 0.75 IN deep.
Room 111/Southwest Wall:	
BBB.	Repair Wall plaster (24 FT long x 10 FT high wall), 4 FT long x 10 FT high.
CCC.	Clean and paint 240 SF of Surface, 24 FT long x 10 FT high.
Room 113/Southwest Wall:	
DDD.	Repair Floor settlement (23.33 FT long x 12 FT wide floor slab), 23.33 FT long x 1 IN deep.

Room 113/North Wall:	
EEE.	Repair Concrete wall (23.5 FT long x 4 FT high wall), 7 FT long diagonal crack on wall.
FFF.	Clean and paint 94 SF of Surface, 23.5 FT long x 4 FT high.
Room 114/North Wall:	
GGG.	Repair Floor settlement (23.33 FT long x 12 FT wide floor slab), 23.33 FT long x 0.75 IN deep.
Room 115/North Wall:	
HHH.	Repair Floor settlement (23.33 FT long x 12 FT wide floor slab), 23.33 FT long x 1.25 IN deep.
Room 115/North Wall:	
III.	Repair Wall plaster (23.5 FT long x 4 FT high wall), 15 FT long diagonal crack on wall plaster.
JJJ.	Clean and paint 94 SF of Surface, 23.5 FT long x 4 FT high.
Room 117/North Wall:	
KKK.	Repair Floor settlement (23.33 FT long x 12 FT wide floor slab), 23.33 FT long x 1.25 IN deep.
Room 117/North Wall:	
LLL.	Repair Concrete wall (23.5 FT long x 4 FT high wall), 6 FT long diagonal crack on wall.
MMM.	Clean and paint 94 SF of Surface, 23.5 FT long x 4 FT high.
Room 112/Southeast Wall:	
NNN.	Repair Wall plaster (24 FT long x 10 FT high wall), 6 FT long x 10 FT high.
OOO.	Clean and paint 240 SF of Surface, 24 FT long x 10 FT high.
Room 116/North Wall:	
PPP.	Repair Concrete wall (25 FT long x 10 FT high wall), 7 FT long diagonal crack on wall.
QQQ.	Clean and paint 250 SF of Surface, 25 FT long x 10 FT high.
North Hallway/West Side (North and South Walls):	
RRR.	Repair Concrete walls (10 FT high walls) [310 FT long x 11.5 FT wide Hallway], 127 FT long (North Wall > Hor. and Vert. cracks = 34 FT long + South Wall > Hor. and Vert. cracks = 93 FT long) horizontal and vertical cracks on hallway walls.
SSS.	Clean and paint 3,565 SF of Surface, 310 FT long x 11.5 FT high.
Mech. Room/West Wall:	
TTT.	Repair Wall plaster (10 FT long x 10 FT high wall), 6 FT long x 8 FT high.



UUU.	Clean and paint 100 SF of Surface, 10 FT long x 10 FT high.
North-South Hallway/East and West Walls:	
VVV.	Repair Concrete walls (10 FT high walls) [265 FT long x 21 FT wide Hallway], 210 FT long (East Wall > Hor. and Vert. cracks = 102 LF + West Wall > Hor. and Vert. cracks = 108 LF), horizontal and vertical cracks on hallway walls. See Scope Note #11.
WWW.	Clean and paint 2,560 SF of Surface, 256 FT long x 10 FT high.
West Hallway/East and West Walls:	
XXX.	Clean and paint 2,560 SF of Surface, 256 FT long x 10 FT high.
YYY.	Repair Concrete walls (10 FT high walls) [265 FT long x 21 FT wide Hallway], 188 FT long (106 FT long East Wall Hor. and West Wall Vert. cracks = 82 LF) horizontal and vertical cracks on hallway walls.
South Hallway/North and South Walls:	
ZZZ.	Repair Concrete walls (10 FT high walls) [310 FT long x 12 FT wide Hallway], 192 FT long (North Wall > Hor. and Vert. cracks = 142 LF + South Wall > Hor. and Vert. cracks = 50 LF) horizontal and vertical cracks on hallway walls.
AAAA.	Clean and paint 3,100 SF of Surface, 310 FT long x 10 FT high.
2nd Floor:	
Hallway #47/North and South Walls:	
BBBB.	Repair Concrete walls (10 FT high walls) [310 FT long x 11.5 FT wide Hallway], 45 FT long (North Wall cracks = 18 LF + South Wall cracks = 27 LF) cracks on hallway walls.
CCCC.	Clean and paint 3,100 SF of Surface, 310 FT long x 10 FT high.
Hallway #49/East and West Walls:	
DDDD.	Repair Concrete walls (10 FT high walls) [265 FT long x 21 FT wide Hallway], 46 FT long (East Wall cracks = 10 LF + West Wall cracks = 36 LF) cracks on hallway walls.
EEEE.	Clean and paint 2,650 SF of Surface, 265 FT long x 10 FT high.
Hallway #50/East and West Walls:	
FFFF.	Repair Concrete walls (10 FT high walls) [265 FT long x 10 FT wide Hallway], 43 FT long (East Wall cracks = 33 LF + West Wall cracks = 10 LF) cracks on hallway walls.
GGGG.	Clean and paint 2,650 SF of Surface, 265 FT long x 10 FT high.
Hallway #51/North and South Walls:	
HHHH.	Repair Concrete walls (10 FT high walls) [310 FT long x 12 FT wide Hallway], 42 FT long (North Wall cracks = 42 LF + South Wall cracks = 0 LF) cracks on hallway walls.
IIII.	Clean and paint 3,100 SF of Surface, 310 FT long x 10 FT high.

<b>Exterior Staircase/Northeast Side:</b>	
JJJJ.	Repair Concrete circular wall (10 FT high wall), 7 FT long vertical crack on circular wall, Concrete walls (10 FT high walls) [310 FT long x 12 FT wide Hallway].
Scope Notes:	
<p>1. Work is 100% completed, see document <i>P# 160409 - 4473DR-PR - EUPR Ponce 03 NH Buildings - Request for Clarifications (Part 1) 7-18-22.pdf</i>. Wall was demolished and reconstructed with Durock wall panels and studs. Demolished wall debris was disposed by Vikass Towers Corporation and deposited in landfill Eco Park in Juana Diaz (18.031648, -66.512571) – see documents <i>CARTA DE ESCOMBROS PARED EN SALON 122 UPR PONCE.pdf</i> and <i>P#160409-DR4473PR-Email 4-21-2022 Requested Information.pdf</i>.</p> <p>2. As clarified by the Applicant, only the force account labor will be considered not the materials. See document <i>P# 160409 - 4473DR-PR - EUPR Ponce 03 NH Buildings - Request for Clarifications (Part 1) 7-18-22.pdf</i>.</p> <p>3. Total linear footage of cracks is 36 – 18 FT as detailed in the DDD x both sides of the wall. Vertical joint crack is 10 FT L x 2 = 20 and the diagonal crack is 8 FT L x 2 = 16.</p> <p>4. Area of paint for both sides of the wall is 380 SF – 19 FT L x 10 FT H x 2 sides.</p> <p>5. Area of surface paint considered is 20 FT L x 4 FT H = 80 SF, not 6 LF as detailed in DDD.</p> <p>6. Due to the size and state of the crack, wall reconstruction was considered in cost estimate.</p> <p>7. 13 FT L crack, as detailed in the DDD, is on both sides of the wall therefore, the total for crack repair is 26 FT L.</p> <p>8. The crack damage is on both sides of the wall, 24 FT L x 10 FT H, therefore the total paint area considered is 480 SF – 240 SF x 2.</p> <p>9. 8 FT-7 IN x 2 equals 17 FT-1/6 IN not 17 FT-4 IN as detailed in the DDD.</p> <p>10. The paint area considered is 23.75 FT L x 10 FT H for both sides of the wall equal 475 SF.</p> <p>11. The 102 FT L of cracks in the East Wall plus the 108 FT L of cracks in the West Wall equals 210 FT L not 208 FT L as detailed in the DDD.</p> <p>12. Evaluation was completed to assess the events related damages. Geotechnical Evaluation contract cost of \$11,435.00 added to the Work Completed Total in estimate – see document <i>P#160409-DR4473PR-Comprobante_3250156_Edificio_Académico_(incluye_contrato_y_factura).pdf</i>.</p>	
<b>406 HMP Scope</b>	
<b>DI# 401038; UPR – Ponce Campus – Ruth Fortuno de Calzada Academy</b>	
1.	Concrete Mix for Plastering: Add a concrete admixture to the mortar mix such as Crossco Acryl-B-60 or similar to enhance the performance and bonding properties of the concrete mix for plastering, at \$0.79/SF for a combined total of 1,244.13 SF = \$982.86
2.	Concrete Fiber Additive: Add a concrete fiber additive to increase the resistance to tension on whole volume of member, at \$15.44/CY for a combined total of 57.45 CY = \$887.03

<b>DI 401043 - UPR - UPR - Ponce Campus - Site</b>	
<b>PA Works</b>	
<b>University Grounds:</b>	
A	Repair 130 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.993409, -66.605834, 26 FT long x 5 FT wide.
B	Repair 25 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.993767, -66.606477, 5 FT long x 5 FT wide.
C.	Repair 380 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.993671, -66.606562, 38 FT long x 10 FT wide.
D.	Repair 340 SF of Concrete for 4-inch-thick sidewalks segments MKD-A on the University Grounds, this section sidewalk location is GPS: 17.993745, -66.606207, 34 FT long x 10 FT wide.
E.	Repair 60 SF of Concrete for 4-inch-thick sidewalks segments MKD-B on the University Grounds, this section sidewalk location is GPS: 17.993745, -66.606207, 6 FT long x 10 FT wide.
F.	Repair 1,100 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.993245, -66.606713, 110 FT long x 10 FT wide.
G.	Repair 360 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.993314, -66.606570, 72 FT long x 5 FT wide.
H.	Repair 1,360 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.993055, -66.606752, 136 FT long x 10 FT wide.
I.	Repair 1,170 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.993950, -66.606909, 117 FT long x 10 FT wide.
J.	Repair 1,120 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.992599, -66.606882, 112 FT long x 10 FT wide.
K.	Repair 1,200 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.992818, -66.606181, 120 FT long x 10 FT wide.
L.	Repair 912 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.992897, -66.606271, 38 FT long x 24 FT wide.
M.	Repair 175 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.994048, -66.607199, 25 FT long x 7 FT wide.
N.	Repair 300 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.993391, -66.607553, 30 FT long x 10 FT wide.

O.	Repair 50 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.993360, -66.607624, 10 FT long x 5 FT wide.
P.	Repair 550 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.992922, -66.607720, 110 FT long x 5 FT wide.
Q.	Repair 300 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.991953, -66.607000, 30 FT long x 10 FT wide.
R.	Repair 75 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.991753, -66.606586, 15 FT long x 5 FT wide.
S.	Repair 275 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.992052, -66.605989, 55 FT long x 5 FT wide.
T.	Repair 75 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is GPS: 17.993049, -66.605327, 15 FT long x 5 FT wide.
U.	Repair 3,250 SF of Concrete for 4-inch-thick sidewalks segments on the University Grounds, this section sidewalk location is Start GPS: 17.994925, -66.6052296 and End GPS: 17.994344, -66.606112, 325 FT long x 10 FT wide.

**406 HMP Scope**

**DI# 401043; UPR – Ponce Campus – Site**

1.	In order to prevent or reduce future damages from similar events, the applicant proposed the following mitigation measures.  <b>Sidewalk segments from A to U:</b> Add synthetic fibrous reinforcing fibers to concrete to enhance the cracking-related properties of concrete, at \$15.44/CY for a combined total of 162 CY = \$2,501.28
----	---

**DI 406771 - UPR - UPR - Ponce Campus - Student Affairs Deanship Building**

**PA Works**

**Medical Services:**

A	Repair Vertical Plaster Cracks at West Wall, 4 FT long x 0.25 IN wide, Wall Dimension 15 FT-10 IN L x 10ft H.
B	Clean and paint 158.3 SF of Surface at West Wall, 15.83 FT long x 10 FT high.

**Nurse Office:**

C.	Repair Vertical Plaster Cracks at North Wall, 4 FT long x 0.25 IN wide, Wall Dimension 9 FT-5 IN L x 10ft H.
D.	Clean and paint 94.1 SF of Surface at North Wall, 9.41 FT long x 10 FT high.

**Hallway:**

E.	Repair Vertical Plaster Cracks at East Wall, 8 FT long x 0.25 IN wide, Wall Dimension 5 FT-6 IN L x 10ft H.
----	---

F.	Clean and paint 55 SF of Surface at East Wall, 5.5 FT long x 10 FT high.
<b>Patient Room:</b>	
G.	Repair Horizontal Plaster Cracks at South Wall, 9 FT long x 0.25 IN wide, Wall Dimension 9 FT-3 IN L x 10 FT H.
H.	Clean and paint 92.5 SF of Surface at South Wall, 9.25 FT long x 10 FT high.
<b>Archive Room:</b>	
I.	Repair Horizontal Plaster Cracks at West Wall, 7 FT long x 0.25 IN wide, Wall Dimension 8 FT L x 10 FT H.
J.	Clean and paint 80 SF of Surface at West Wall, 8 FT long x 10 FT high.
<b>Book Shop, East and West walls:</b>	
K.	Repair Floor Cracking at West wall Joint and near to door entrance, 41.25 FT long x 0.25 IN wide.
<b>Bookshop West Wall:</b>	
L.	Repair 2 SF of Chipped CMU Blocks, 1 FT long x 2 FT wide x 3 IN thick.
M.	Clean and paint 100 SF of Wall Surface at Chipped CMU Blocks Area, 25 FT long x 4 FT high.
<b>Bookshop North Wall:</b>	
N.	Repair Vertical Cracks at CMU Wall, 20 FT long x 0.125 FT wide, Wall Dimension 25 FT L x 10 FT H
O.	Clean and paint 250 SF of Surface at CMU Wall, 25 FT long x 10 FT high.
<b>Bookshop Entrance North Wall:</b>	
P.	Repair Vertical and Diagonal Cracks at CMU Wall, 21 FT long x 0.125 FT wide, Wall Dimension 23 FT L x 13 FT H.
Q.	Clean and paint 299 SF of Surface at CMU Wall, 23 FT long x 13 FT high.
<b>Bookshop Entrance:</b>	
R.	Repair Horizontal Crack at CMU Wall, South of Door, 3 FT long x 0.125 FT wide, Wall Dimension 5 FT L x 13 FT H.
S.	Clean and paint 65 SF of Surface at CMU Wall, South of Door, 5 FT long x 13 FT high.
<b>Bookshop Entrance:</b>	
T.	Repair Concrete Floor Crack, 4 FT long x 0.25 FT wide.
<b>Southeast Hallway 2nd Floor:</b>	
U.	Repair Concrete Crack at Northwest Edge Beam near Elevator, 7 FT long x 0.25 FT wide, Beam Dimension 23 FT L x 4 FT W x 7 IN T.

V.	Clean and paint 197.42 SF of Surface Northwest Edge Beam at Elevator, 23 FT long x 4 FT wide x 7 IN thick. See Scope Note #1.
<b>Southeast Exterior Wall and Hallway 2nd Floor:</b>	
W.	Repair 8 EA Chipped Concrete Columns at Top Edge, 40 FT long x 0.25 FT wide, Column Dimension: 2 FT-6 IN L x 1 FT W. See Scope Note #2.
<b>Northeast Hallway 2nd Floor:</b>	
X.	Repair Horizontal Crack at CMU Wall, 32 FT long x 0.25 FT wide, Wall Dimension 32 FT L x 13 FT H.
Y.	Clean and paint 416 SF of Surface at CMU Wall, 32 FT long x 13 FT high.
<b>Northeast Hallway 2nd Floor:</b>	
Z.	Repair 90 SF of Delaminated Plaster, 18 FT long x 5 FT wide, Wall Dimension 23 FT L x 13 FT H.
AA.	Clean and paint 299 SF of Wall Surface at Delaminated Plaster Section, 23 FT long x 13 FT high.
<b>Student Affairs Office 2nd Floor:</b>	
BB.	Repair Diagonal Crack at CMU Northwest Wall, 12 FT long x 0.25 FT wide, on both sides, Wall Dimension 21 FT-6 IN L x 9 FT H. See Scope Note #3.
CC.	Clean and paint 387 SF of Surface at CMU Northwest Wall, 21.5 FT long x 9 FT high. See Scope Note #4.
<p>Scope Notes:</p> <ol style="list-style-type: none"> <li>1. The area is 197.42 SF – (4 FT + 7 IN + 4 FT) x 23 FT L, not 105.41 as detailed in the DDD.</li> <li>2. SIR specifies the damage is to 3 IN at the top of each of the (8) concrete columns therefore, for cost estimate purposes the area considered for repair is 40 FT L x 3 IN.</li> <li>3. SIR and Photo Report (DI406771 - DR4473PR - Photo Page Small Size.pdf) indicate that the crack is visible at both sides of the wall. Therefore, for the cost estimate 24 FT L of cracks (12 FT L x 2) is considered.</li> <li>4. Crack is visible on both sides of wall therefore the paint area is 387 SF – 2 x (21.5 FT L x 9 FT H).</li> <li>5. Evaluation was completed to assess the events related damages. Geotechnical Evaluation contract cost of \$8,760.00 added to the Work Completed Total in estimate – see document P#160409-DR4473PR-<i>Comprobante_3250157_Edificio_Estudiantiles_(incluye_contrato_y_factura).pdf</i>.</li> </ol>	

<b>DI 406797 - UPR - UPR - Ponce Campus - Building J and Research Lab J-2</b>
<b>PA Works</b>
<b>Men's Bathroom Wall Tiles:</b>

A	Removed and replaced 6 SF of Wall Tiles behind the toilet unit 6 IN x 6 IN a total of approximately 12 each tiles, 2 FT long x 3 FT wide, the wall size is 15.83 FT wide x 8 FT high. See Scope Note #1
---	---

**Scope Notes:**

1. As clarified by the Applicant, only the force account labor will be considered not the materials. See document P#160409-DR4473PR-Email 4-21-2022 Requested Information.pdf.
2. The Applicant disposed of the vinyl floor tiles in the waste containers located in the university premises (17.993889, -66.604917) administered by ConWaste Co. – see document P#160409-DR4473PR-Method of disposition and disposal information.pdf.

**DI 407214 - UPR - UPR - Ponce Campus - University Guard**

**PA Works**

**Guards Director Office Exterior:**

A	Repair West Wall 9.58 FT wide x 7.33 FT long, cracks with vertical separation of 1/8 IN, 3/8 IN at center to 3/4 IN at the top and horizontal separation of approximately 1/8 IN at the bottom of the wall, 32 FT long, of cracks.
---	--

**Nurse Office:**

B.	Repair West Wall 9.58 FT wide x 7.33 FT long, cracks with vertical separation of 1/8 IN, 3/8 IN at center to 3/4 IN at the top and horizontal separation of approximately 1/8 IN at the bottom of the wall, 14 FT long, of cracks.
----	--

C.	Paint 140.44 SF of Surface at Interior and exterior west wall, 9.58 FT long x 7.33 FT high.
----	---

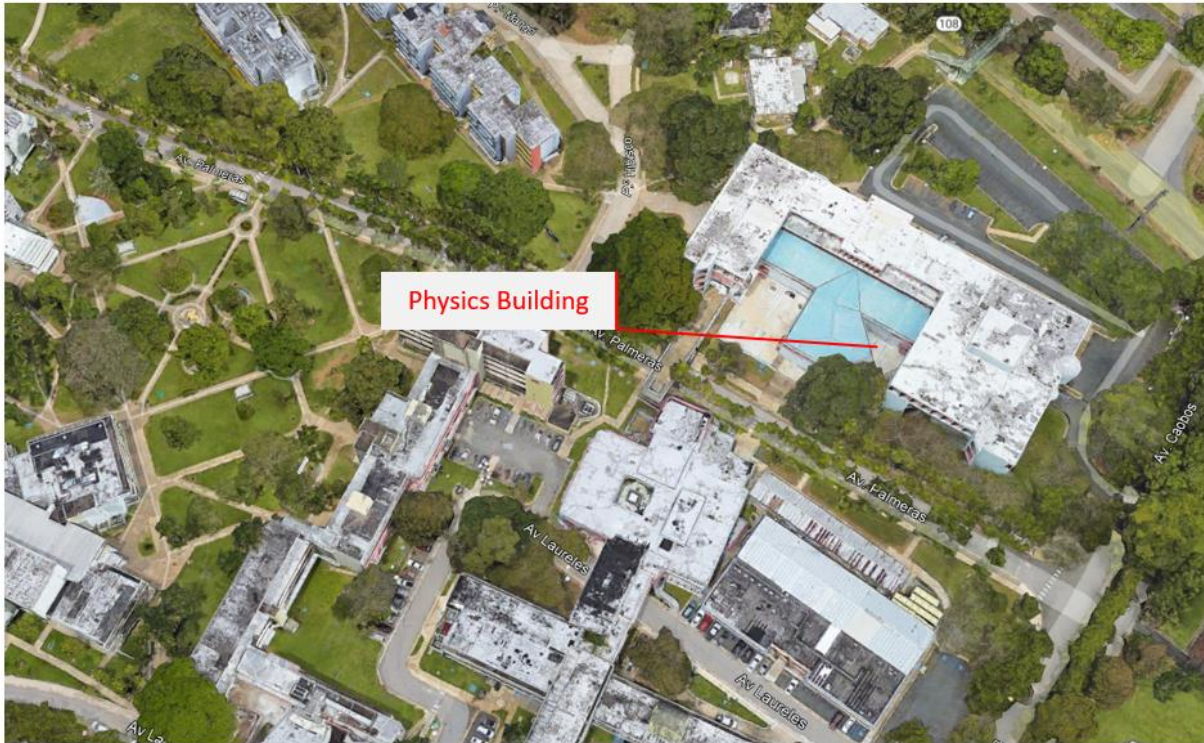
**Guard House Kitchenette:**

E.	Repair Vertical Plaster Cracks at East Wall, 8 FT long x 0.25 IN wide, Wall Dimension 5 FT-6 IN L x 10ft H.
----	---

F.	Paint 70.2214 SF of Surface East wall, 9.58 FT long x 7.33 FT high.
----	---

## c. PW 00330 - UPR MAYAGÜEZ

### i. LOCATION PLAN



### ii. DESCRIPTION

#### 1. UPR - Mayagüez Campus - Physics Building

The Physics, Geology and Marine Sciences Building is a 125,000 SF 4 story reinforced concrete and masonry building. Build in 1972. The building structural system consists of reinforced concrete slab over concrete frames (beam and columns) and reinforced concrete walls. The building envelope has painted concrete walls, glass windows and metal doors. Building interiors consist of acoustic ceilings or exposed concrete ceilings, painted surfaces, masonry and drywall partitions, metal, wood or storefront doors and vinyl flooring. The facility was used for classrooms, laboratories and offices and was in use at the time of the event. **GPS Latitude/Longitude:** 18.21113, -67.13907

### iii. SCOPE OF WORK- FEMA

**The Scope of Work includes, but it's not limited to:**



<b>DI 407337 - UPR - Mayagüez Campus -Physics Building</b>	
<b>PA Works</b>	
<b>Physics 4th FL:</b>	
<b>Room 436 (20 FT x 27 FT):</b>	
1	Repair, masonry walls, 67 FT long x 12 FT high, 55 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 436 (20 FT x 27 FT):</b>	
1	Repair, masonry walls, 67 FT long x 12 FT high, 58 LF of separated wall/RC column and wall/RC beam joints, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 437 (20 FT x 25 FT):</b>	
1	Repair, masonry walls (2 total), 45 FT long x 12 FT high, 40 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 438 (20 FT x 27 FT):</b>	
1	Repair, masonry wall, 25 FT long x 12 FT high, 13 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
2	Repair, masonry walls (2 total), 47 FT long x 12 FT high, 24 LF of separated wall/RC column (12 LF) and wall/wall (12 LF) joints will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
3	Repair reinforced concrete column, 1.33 FT long x 1.33 FT wide x 12 FT high, 2 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 439 (14 FT x 27 FT):</b>	
1	Repair, masonry wall, 14 FT long x 12 FT high, 12 LF of separated wall/RC column joint, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 441 (8 FT x 20 FT):</b>	
1	Repair reinforced concrete wall, 20 FT long x 12 FT high, 40 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
2	Repair, masonry wall, 4 FT long x 12 FT high, 4 LF of separated wall/RC beam joint, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.

<b>3</b>	Repair reinforced concrete wall, 20 FT long x 12 FT high, 25 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Physics 3rd FL:</b>	
<b>Room 331 (20 FT x 30 FT):</b>	
<b>1</b>	Repair reinforced concrete wall, 30 FT long x 12 FT high, 56 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>2</b>	Repair masonry wall, 20 FT long x 12 FT high, 12 LF of separated wall / RC wall joint, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 332 (20 FT x 38 FT):</b>	
<b>1</b>	Repair reinforced concrete wall, 20 FT long x 12 FT high, 12 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>2</b>	Demolish and reconstruct, masonry wall, 19 FT long x 12 FT high, 228 SF of integrity compromised, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Physics 2nd FL:</b>	
<b>Room 211 (8 FT x 34 FT):</b>	
<b>1</b>	Repair, masonry wall, 16 FT long x 11.58 FT high, 34 LF, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 219 (20 FT x 30 FT):</b>	
<b>1</b>	Repair, masonry wall, 30 FT long x 11.58 FT high, 60 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>2</b>	Remove and replace, reinforced concrete beam, 20 FT long x 1.33 FT wide x 2.58 FT deep, 15 LF of shear cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>3</b>	Repair, masonry walls (3 total), 80 FT long x 11.58 FT high, 48 LF of separated wall/wall joints, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 225 (20 FT x 38 FT):</b>	
<b>1</b>	Demolish and reconstruct, masonry wall, 19 FT long x 11 FT high, 209 SF of integrity compromised, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.

<b>2</b>	Repair reinforced concrete wall, 20 FT long x 12 FT high, 12 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 224 (20 FT x 28 FT):</b>	
<b>1</b>	Repair reinforced concrete wall, 28 FT long x 12 FT high, 12 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 216 (20 FT x 40 FT):</b>	
<b>1</b>	Repair, masonry wall, 9 FT long x 12 FT high, 22 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>2</b>	Repair masonry wall, 9 FT long x 12 FT high, 9 LF of separated wall/RC column joint, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>3</b>	Repair reinforced concrete beam, 40 FT long x 1.33 FT wide x 2.15 FT deep, 3 LF of shear cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 222 (20 FT x 30 FT):</b>	
<b>1</b>	Repair, masonry wall, 7 FT long x 12 FT high, 10 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>2</b>	Repair, masonry wall, 19 FT long x 12 FT high, 12 LF of separated wall/RC column joint, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>3</b>	Repair, masonry wall, 19 FT long x 12 FT high, 16 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Hallway (220-225) (8 FT x 114 FT):</b>	
<b>1</b>	Repair, masonry walls (12 total), 80 FT long x 11.58 FT high, 288 LF of separated wall/RC column joints, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>2</b>	Repair reinforced concrete column, 1.33 FT long x 1.33 FT wide x 9.33 FT high, 2 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 220 (20 FT x 30 FT):</b>	
<b>1</b>	Demolish and reconstruct, masonry wall, 30 FT long x 12 FT high, 360 SF of integrity compromised, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.

<b>Room 210 (15 FT x 16 FT):</b>	
1	Repair, masonry wall, 16 FT long x 12 FT high, 4 LF of see-through cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 213 (30 FT x 30 FT):</b>	
1	Repair, masonry wall, 16 FT long x 12 FT high, 12 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Physics 1st FL:</b>	
<b>Hallway/Stairs (5 FT x 45 FT):</b>	
1	Repair reinforced concrete wall, 23 FT long x 20 FT high, 3 SF of spalling, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Women Restroom 115B (8 FT x 13 FT):</b>	
1	Repair reinforced concrete wall, 13 FT long x 12 FT high, 24 SF of spalling, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 127 (20 FT x 40 FT):</b>	
1	Repair, masonry walls (4 total), 120 FT long x 12 FT high, 88 LF of separated wall/RC column joints, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Marine Sciences 4th FL:</b>	
<b>Room 428 (17 FT x 34 FT):</b>	
1	Repair, masonry wall, 13 FT long x 9.25 FT high, 9 LF of separated wall/RC wall joint, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 430 (9 FT x 10 FT):</b>	
1	Repair, masonry wall, 9 FT long x 12 FT high, 12 LF of separated wall/wall joint, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 434 (10 FT x 19 FT):</b>	
1	Repair, masonry wall, 19 FT long x 12 FT high, 5 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 431 (10 FT x 19 FT):</b>	

<b>1</b>	Repair, masonry wall, 6 FT long x 12 FT high, 6 LF of separated wall/RC beam joint, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 422 (10 FT x 20 FT):</b>	
<b>1</b>	Repair, masonry walls (3 total), 50 FT long x 12 FT high, 12 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>2</b>	Repair, masonry walls (2 total), 40 FT long x 12 FT high, 24 LF of separated wall/RC column (12 LF) and wall/wall (12 LF) joints, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 425 (10 FT x 10 FT):</b>	
<b>1</b>	Repair, masonry walls (2 total), 20 FT long x 12 FT high, 24 LF of separated wall/wall joints, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 423 (10 FT x 10 FT):</b>	
<b>1</b>	Repair reinforced concrete wall, 10 FT long x 12 FT high, 6 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>2</b>	Repair, masonry wall, 10 FT long x 12 FT high, 12 LF of separated wall/wall joint, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Marine Sciences 3rd FL:</b>	
<b>Room 309-B (20 FT x 25 FT):</b>	
<b>1</b>	Repair reinforced concrete wall, 14.75 FT long x 12 FT high, 10 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 309-A (20 FT x 25 FT):</b>	
<b>1</b>	Repair reinforced concrete wall, 10.33 FT long x 12 FT high, 4 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>2</b>	Repair, masonry wall, 4.67 FT long x 12 FT high, 12 LF of separated wall/ RC wall joint, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 310 (27 FT x 51 FT):</b>	
<b>1</b>	Repair, masonry walls (2 total), 40 FT long x 12 FT high, 24 LF of separated wall/RC column (12 LF) and wall/wall (12 LF) joints, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Marine Sciences 2nd FL:</b>	

<b>Women Restroom 209A (9 FT x 14 FT):</b>	
1	Repair, masonry wall, 9 FT long x 12 FT high, 12 LF of separated wall/RC wall joint, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
2	Repair, masonry wall, 14 FT long x 12 FT high, 8 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Men Restroom (9 FT x 14 FT):</b>	
1	Repair, masonry walls (2 total), 23 FT long x 12 FT high, 24 LF of separated wall/wall (12 LF) and wall/RC wall (12 LF) joints, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 204-C (10 FT x 10 FT):</b>	
1	Repair, masonry wall, 10 FT long x 12 FT high, 9 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Marine Sciences 1st FL:</b>	
<b>Room 104 (20 FT x 20 FT):</b>	
1	Repair, masonry wall, 20 FT long x 12 FT high, 12 LF of separated wall/RC wall joint, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 103 (10 FT x 20 FT):</b>	
1	Repair, masonry wall, 20 FT long x 12 FT high, 15 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 101 (8 FT x 12 FT):</b>	
1	Repair, masonry wall, 3 FT long x 12 FT high, 10 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
2	Repair reinforced concrete wall, 12 FT long x 12 FT high, 3 SF of spalling, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
3	Repair reinforced concrete wall, 12 FT long x 12 FT high, 12 LF of separated wall/CMU wall joint, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 102 (20 FT x 27 FT):</b>	
1	Repair, masonry wall, 20 FT long x 12 FT high, 12 LF of separated wall/RC column joint, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.

<b>Geology 4th FL:</b>	
<b>Room 413-A (11 FT x 17 FT):</b>	
1	Remove and replace, 17 FT long x 11 FT wide, (14) 1 FT x 1 FT vinyl tiles, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Hallway (8 FT x 80 FT):</b>	
1	Repair, masonry wall, 3 FT long x 12 FT high, 1 FT long crack-6 IN DIAM. Pipe, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 410 (10 FT x 17 FT):</b>	
1	Repair, masonry walls (2 total), 34 FT long x 12 FT high, 25 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 409 (19 FT x 19 FT):</b>	
1	Demolish and reconstruct, masonry wall, 9 FT long x 12 FT high, 108 SF of integrity compromised, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 403 (10 FT x 10 FT):</b>	
1	Repair, masonry wall, 10 FT long x 12 FT high, 12 LF of separated wall/RC column joint, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 402 (10 FT x 10 FT):</b>	
1	Repair, masonry wall, 10 FT long x 12 FT high, 18 LF of separated wall/RC column (12 LF) and wall/RC beam (6 LF) joints, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Room 407 (17 FT x 27 FT):</b>	
1	Repair, masonry wall, 8 FT long x 12 FT high, 20 LF of separated wall/RC column (12 LF) and wall/RC beam (8 LF) joints, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.
<b>Geology 3rd FL:</b>	
<b>Room 307 (10 FT x 17 FT):</b>	
1	Repair, masonry wall, 17 FT long x 12 FT high, 9 LF of cracks, will be done in-kind to match all physical and visual aspects, including design, color, hardware, and workmanship.

**d. PW 00391 - UPR MAYAGÜEZ**

**i. LOCATION PLAN**



**ii. DESCRIPTION**

**1. UPR - Mayagüez Campus - Biology Building**

The Biology Building is a large 4-storey cast-in-place concrete structure with concrete and CMU infill walls located on the campus of the University of Puerto Rico at Mayagüez. Event. Build in 1970. GPS Latitude/Longitude: 18.21280, -67.13862

**iii. SCOPE OF WORK- FEMA**

The Scope of Work includes, but it's not limited to:

<b>DI 407338 - UPR - Mayagüez Campus - Biology Building</b>
<b>PA Works</b>
<b>2<sup>nd</sup> Floor Atrium interior wall:</b>

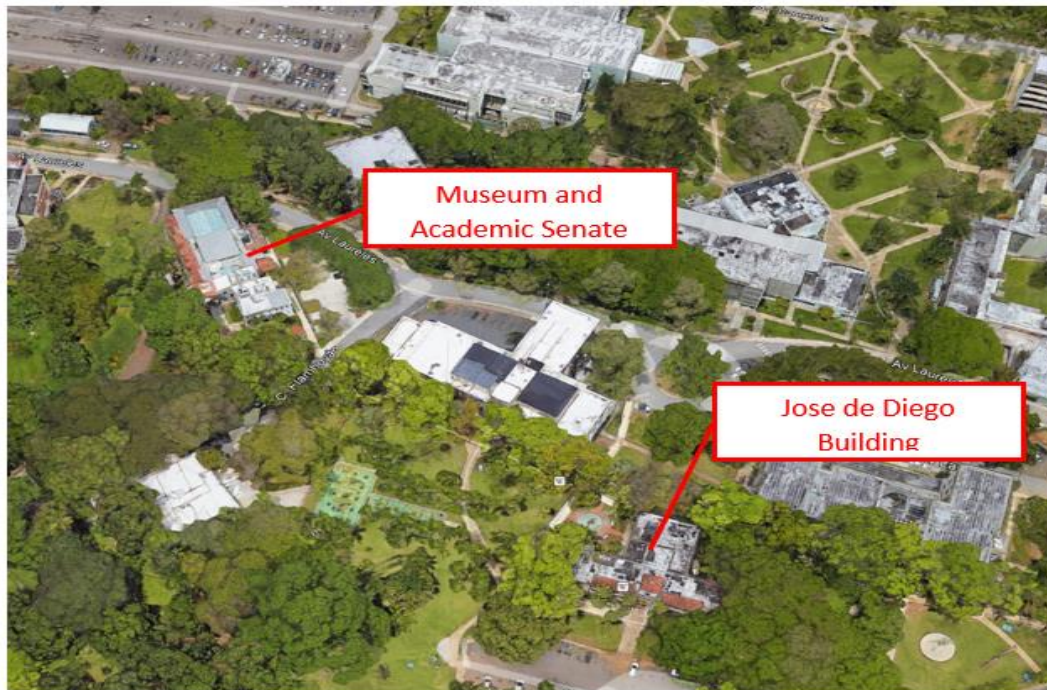


1	Clean surface and repair with in-kind horizontal plaster wall cracking, 52 LF (L) x 0.25 IN (W).
<b>2<sup>nd</sup> Floor B282A/B Rooms walls:</b>	
1	Clean surface and repair with in-kind vertical hairline plaster wall cracking, 32 LF (L) x 0.0625 IN (W).
<b>B-282B NE Wall corner:</b>	
1	Clean surface and repair with in-kind vertical hairline plaster wall cracking, 10 LF (L) x 0.0625 IN (W).
<b>B-282A Entry door wall corner:</b>	
1	Clean surface and repair with in-kind vertical hairline plaster wall cracking, 16 LF (L) x 0.0625 IN (W)
<b>North wall:</b>	
1	Clean surface and repair with in-kind vertical plaster wall cracking, 8 LF (L) x 0.0625 IN (W)
<b>2<sup>nd</sup> Floor Hallway B-259 North wall:</b>	
1	Clean surface and repair with in-kind vertical hairline wall plaster cracking, 8 LF (L) x 0.0625 IN (W)
<b>2<sup>nd</sup> Floor B-264 South wall:</b>	
1	Clean surface and repair with in-kind vertical hairline plaster wall cracking, 8 LF (L) x 0.0625 IN (W)
<b>2<sup>nd</sup> Floor B-267 Oficina hallway:</b>	
1	Clean surface and repair with in-kind vertical hairline wall cracking, 40 LF (L) x 0.0625 IN (W)
<b>2<sup>nd</sup> Floor B-267 NW Corner:</b>	
1	Clean surface and repair with in-kind vertical hairline plaster wall cracking, 16 LF (L) x 0.0625 IN (W)
<b>B-227 West wall under window:</b>	
1	Clean surface and repair with in-kind vertical plaster wall cracking, 5 LF (L) x 0.0625 IN (W)
<b>B-258 N-S Corridor walls:</b>	
1	Clean surface and repair with in-kind vertical hairline plaster wall cracking, 192 LF (L) x 0.0625 IN (W)
<b>B-244 Corner plaster edge:</b>	

1	Clean surface and repair with in-kind vertical plaster wall cracking at, 8 LF (L) x 4 IN (W)
<b>3<sup>rd</sup> Floor Columns:</b>	
1	Clean surface and repair with in-kind vertical plaster hairline wall cracking, 192 LF (L) x 0.0625 IN (W)
<b>3<sup>rd</sup> Floor Atrium lobby floor:</b>	
1	Clean surface and repair with in-kind concrete floor cracking, 10 LF (L) x 0.25 IN (W)
<b>Interior 3<sup>rd</sup> Floor walls in N-S corridor:</b>	
1	Clean surface and repair with in-kind vertical hairline plaster wall cracking, 128 LF (L) x 0.0625 IN (W)
<b>1<sup>st</sup> Floor Columns:</b>	
1	Clean surface and repair with in-kind vertical hairline plaster wall cracks, 192 LF (L) x 0.0625 IN (W)
<b>1<sup>st</sup> Floor Walls N-S corridor:</b>	
1	Clean surface and repair with in-kind vertical hairline plaster wall cracks, 200 LF (L) x 0.0625 IN (W)
<b>1<sup>st</sup> Floor Mechanical room concrete beams:</b>	
1	Clean surface and repair with in-kind vertical hairline plaster wall cracks, 30 LF (L) x 0.0625 IN (W)

## e. PW 00296 - UPR MAYAGÜEZ

### i. LOCATION PLAN



### ii. DESCRIPTION

#### 1. UPR - Mayagüez Campus – José de Diego

- The José de Diego Building is a 2-level structure which structural system (in my opinion) consists of reinforced concrete columns and beams. The building envelope has exposed concrete stucco surface finish. The building has an approximately footprint of 6,902 square feet. Built in 1916. **GPS Latitude/Longitude:** 18.20919, -67.14148.

#### 2. UPR - Mayagüez Campus – Museum and Academic Senate

- The building is a 2-story office facility with a basement. It is a concrete beam and columns with CMU walls. The footprint is 8525 sq ft. This facility has been reviewed and determined to be eligible and was in operation at the time of the event Built in 1928. **GPS Latitude/Longitude:** 18.21014, -67.14260

**iii. SCOPE OF WORK- FEMA**

**The Scope of Work includes, but it's not limited to:**

<b>DI 407367 - UPR - Mayagüez Campus - José de Diego</b>	
<b>PA Works</b>	
<b>1.001: Second Level Balcony:</b>	
<b>1</b>	Remove and replace in-kind 14 each of balusters, in balcony balustrade, 50 FT long x 2.5 FT high
<b>1.002: Second Level Balcony:</b>	
<b>1</b>	Repair in-kind cement-based cracks damages, stucco surface finish wall, 25.5 LF long, on 104.625 SF CMU Wall (13. FT X 7.75 FT)
<b>1.003: Second Level Balcony:</b>	
<b>1</b>	Repair in-kind 2 each, cement-based cracks damages, stucco surface finish corner (bracket), (1.3 FT wide X 1 FT high)
<b>1.004: Second Level Balcony:</b>	
<b>1</b>	Remove and replace in-kind windowsill stucco finish, 4 FT long crack damage
<b>1.005: First Level Balcony:</b>	
<b>1</b>	Remove and replace in-kind 23 each of balusters, in balcony balustrade, 50 FT long x 2.5 FT high
<b>1.006: First Level Balcony:</b>	
<b>1</b>	Repair in-kind cement-based cracks damages, stucco surface finish wall, 2FT long, on 104.625 SF CMU Wall (13.5 FT X 7.75 FT)
<b>406 HMP SCOPE</b>	
UPR - Mayagüez Campus - José de Diego Building.	
<b>1</b>	Use repetitive HMP "Liquid Bonding Agent - Concrete or Plaster" to mitigate hair cracks in expose concrete stucco surface, window frame concrete stucco surface and balcony concrete balusters (318 SF total). This additive helps the mortar mix to enhance the performance and bonding of the concrete mix for plastering.

<b>DI 407355 - UPR - Mayagüez Campus – Museum and Academic Senate</b>	
<b>PA Works</b>	
<b>C 01 Admin Office 1st FI East Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 20 LF long, on 154 SF CMU Wall (14ft X 11ft)
<b>C 02 Director's Office 1st FI West Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 10 LF long, on 198 SF CMU Wall (18ft X 11ft)
<b>C 03 Director's Office 1st FI. South Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 5 LF long, on 176 SF CMU Wall (16ft X 11ft)
<b>C 041 Director's Office 1st FI. East Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 3 LF long, on 198 SF CMU Wall (18ft X 11ft)
<b>C 05 Student's Area 1st FI. East Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 3 LF long, on 110 SF CMU Wall (10ft X 11ft)
<b>C 06 Student's Area 1st FI North Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 15 LF long, on 165 SF CMU Wall (15ft X 11ft)
<b>C 07 Student's Area 1st FI. South Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 2 LF long, on 165 SF CMU Wall (15ft X 11ft)
<b>C 08 Reception Area 1st FI. North Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 8 LF long, on 110 SF CMU Wall (10ft X 11ft)
<b>C 09 Reception Area 1st FI. South Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 3 LF long, on 110 SF CMU Wall (10ft X 11ft)
<b>C 10 Administration Bathroom 1st FI North Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 11 LF long, on 99 SF CMU Wall (9ft X 11ft)
<b>C 11 Administration Bathroom 1st FI South Wall:</b>	

1	Repair in-kind cement-based wall cracks damages, 7 LF long, on 99 SF CMU Wall (9ft X 11ft)
<b>C 12 Admin Bathroom 1st FI East Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 2 LF long, on 66 SF CMU Wall (6ft X 11ft)
<b>C 13 Museum Entrance 1st FI East Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 5 LF long, on 154 SF CMU Wall (14ft X 11ft)
<b>C 14 Museum Entrance 1st FI North Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 2 LF long, on 88 SF CMU Wall (8ft X 11ft)
<b>C 15 Gift Shop 1st FI East Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 14 LF long, on 154 SF CMU Wall (14ft X 11ft)
<b>C 16 Galary 5 ast FI 1st FI 3 Most North Beams:</b>	
1	Repair in-kind cement-based beam cracks damages, 4LF long, on 20 SF concrete beam (6in X 8in X 17ft)
<b>C 17 Galary 5 1st FI. West Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 40 LF long, on 1700 SF CMU Wall (100ft X 17ft)
<b>C 18 Galary 5 1st FI North Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 5 LF long, on 170 SF CMU Wall (10ft X 17ft)
<b>C 19 Galary 5 1st FI. South Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 3 LF long, on 170 SF CMU Wall (10ft X 17ft)
<b>C 20 Gallary 4 Stairwell North Wall 1st FI:</b>	
1	Repair in-kind cement-based wall cracks damages, 12 LF long, on 140 SF CMU Wall (14ft X 10ft)
<b>C 21 Galary 6 Basement East Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 10 LF long, on 30 SF CMU Wall (3ft X 10ft)
<b>C 22 Galary 7 Basement East South Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 2 LF long, on 170 SF CMU Wall (17ft X 10ft)

<b>C 23 Galary 7 Basement West Box Beam:</b>	
1	Repair in-kind cement-based beam cracks damages, 3 LF long, on 14 SF concrete beam (6in X 8in X 12ft)
<b>C 24 Galary 7 Basement East Box Beam:</b>	
1	Repair in-kind cement-based beam cracks damages, 2 LF long, on 14 SF concrete beam (6in X 8in X 12ft)
<b>C 25 Galary 8 Basement East Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 13 LF long, on 130 SF CMU Wall (13ft X 10ft)
<b>C 26 Galary 10 Basement 2nd and 5th Beam From the North Box Beam:</b>	
1	Repair in-kind cement-based beam cracks damages, 3 LF long, on 10 SF concrete beam (6in X 8in X 8.5ft)
<b>C 27 Galary 11 Basement East Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 2 LF long, on 480 SF CMU Wall (48ft X 10ft)
<b>C 28 Janitor's Room Basement South Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 4 LF long, on 70 SF CMU Wall (10ft X 7ft)
<b>C 29 Janitor's Room Basement East Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 2 LF long, on 49 SF CMU Wall (7ft X 7ft)
<b>C 30 Janitor's Room Basement North Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 2 LF long, on 49 SF CMU Wall (7ft X 7ft)
<b>C 31 Academic Senate Stairwell 1st FI South Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 5 LF long, on 165 SF CMU Wall (15ft X 11ft)
<b>C 32 Academic Senate Stairwell North Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 10 LF long, on 450 SF CMU Wall (15ft X 30ft)
<b>C 33 Academic Senate Stairwell 2nd FI South Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 3 LF long, on 255 SF CMU Wall (15ft X 17ft)
<b>C 34 Admin Office 2nd FI East Wall:</b>	

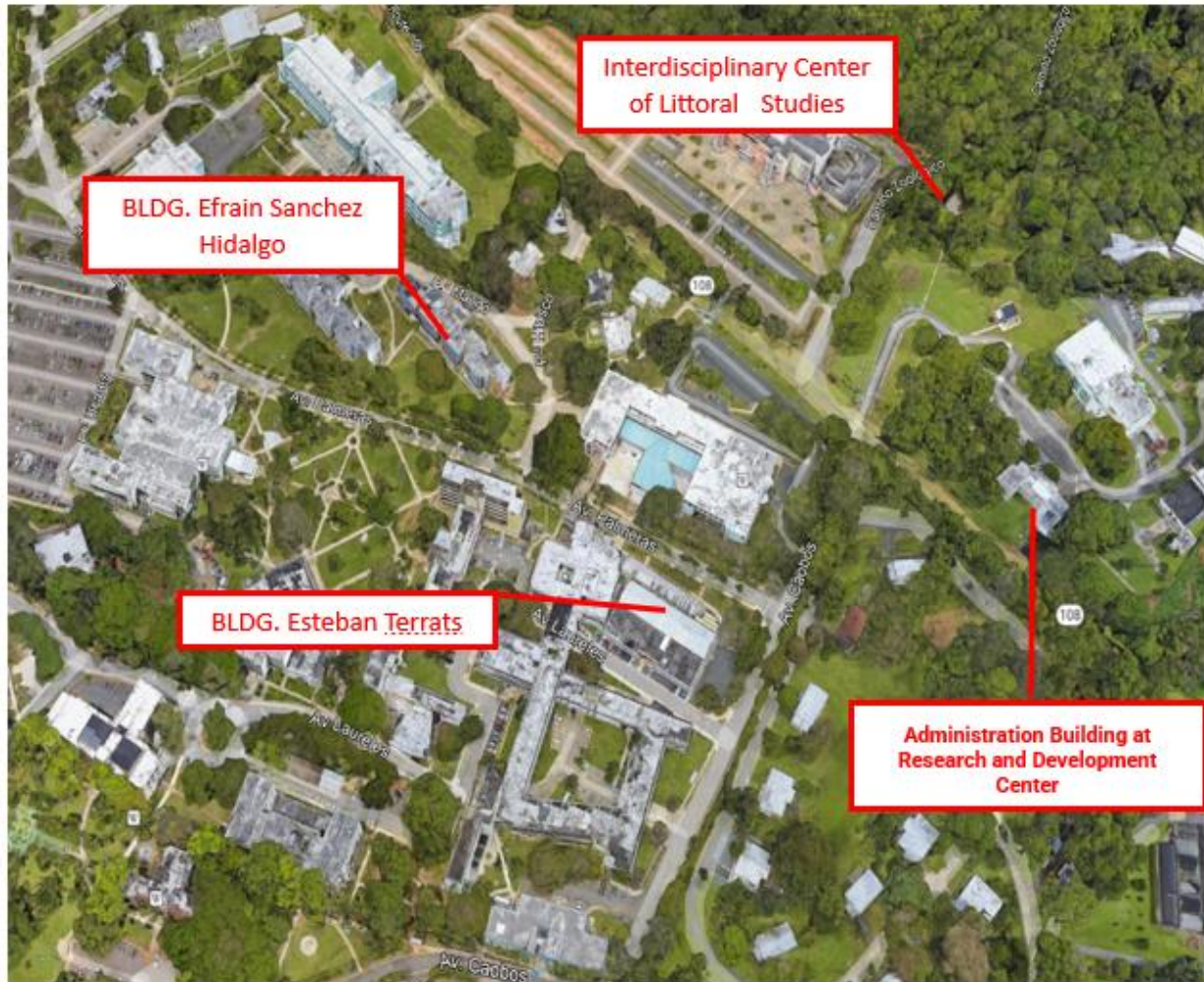
1	Repair in-kind cement-based wall cracks damages, 5 LF long, on 150 SF CMU Wall (15ft X 10ft)
<b>C 36 Director's Office 2nd Fl. North Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 1 LF long, on 160SF CMU Wall (16ft X 10ft)
<b>C 37 Director's Office 2nd Fl. South Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 1 LF long, on 160 SF CMU Wall (16ft X 10ft)
<b>C 38 Admin Office 2nd Fl South Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 1 LF long, on 240 SF CMU Wall (24ft X 10ft)
<b>C 39 Record Rm 2nd Fl. North Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 2 LF long, on 80 SF CMU Wall (8ft X 10ft)
<b>C 40 Conference Rm 2nd Fl. South Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 20 LF long, on 290 SF CMU Wall (29ft X 10ft)
<b>C 41 Conference RM 2nd North Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 40 LF long, on 290 SF CMU Wall (29ft X 10ft)
<b>C 42 Conference Rm 2nd Fl. East Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 5 LF long, on 150 SF CMU Wall (15ft X 10ft)
<b>C 43 East Exterior Entrance Column:</b>	
1	Repair in-kind cement-based wall cracks damages, 4 LF long, on 26 SF CMU Wall (26inX 12ft)
<b>C 44 Exterior East Entrance Slab:</b>	
1	Repair in-kind 2.25 SF of spall damages on concrete floor slab, 225 SF concrete slab (15ft x 15ft)
<b>C 45 Exterior East Wall:</b>	
1	Repair in-kind cement-based wall cracks damages, 14 LF long, on 4500 SF CMU Wall (150ft X 30ft)
<b>C 46 Galary Exterior Exit Columns:</b>	
1	Repair in-kind 18.3 SF of plaster spall damages on concrete column, 37 SF (7 FT height x 10 IN in diameter)



<b>C 47 Galary 11 Exterior Exit Underside Ceiling Slab:</b>	
<b>1</b>	Repair in-kind 3.75 SF of spall damages on concrete ceiling slab, 270 SF concrete slab (18ft x 15ft), 3 Spalls (3ft. X 6in.), (2ft. X 1ft.) and (1ft. X 3in.)
<b>C 48 Galary 11 Exterior Exit Beams:</b>	
<b>1</b>	Repair in-kind cement-based beam cracks damages, 4 LF long, on one concrete beam (6in X 8in X 18ft long) and other (6in X 8in X 15ft long), 68 SF of concrete beams
<b>C 49 Exterior North Wall at Window Arch:</b>	
<b>1</b>	Repair in-kind cement-based window arch cracks damages, 0.5 LF long, on 1650 SF CMU Wall (55ft X 30ft)
<b>C 50 Exterior West Wall:</b>	
<b>1</b>	Repair in-kind cement-based wall cracks damages, 30 LF long, on 4500 SF CMU Wall (150ft X 30ft)
<b>C35 Director's Office 2nd FL East Wall:</b>	
<b>1</b>	Repair in-kind cement-based wall cracks damages, LF long, on 150 SF CMU Wall (15ft X 10ft)
<b>406 HMP SCOPE</b>	
UPR - Mayagüez Campus - Museum and Academic Senate.	
<b>1</b>	Use repetitive HMP "Liquid Bonding Agent - Concrete or Plaster" to mitigate Building Interior and Exterior, Hairline Plaster Cracks and Cement plaster spot in CMU Walls, and some concrete columns, beams, and slabs (386.05 SF) at sites C 01 to C 50. This additive helps the mortar mix to enhance the performance and bonding of the concrete mix for plastering

**f. PW 00570 - UPR MAYAGÜEZ**

**i. LOCATION PLAN**



**ii. DESCRIPTION**

1. **UPR - Mayagüez Campus – Interdisciplinary Center of Littoral Studies**
  - Split 2 level concrete building used for research. The building is 32 FT X 20 FT X 9 FT are concrete including roof. The building topography has a slope to the rear. Build in 1975. **GPS Latitude/Longitude:** 18.21222, -67.13768.
2. **UPR - Mayagüez Campus – Esteban Terrats**

- The Esteban Terrats Building is composed of administrative offices and it's a 2-Story building of reinforced concrete, CMU and a section with metal roof structure. It holds about 60 workers. The facility has an approximately footprint of 15,220 SF. Build in 1947. **GPS Latitude/Longitude:** 18.21029, -67.13925.

**3. UPR - Mayagüez Campus – Administration Building at Research and Development Center**

- The building structure is a 1-story facility that is a reinforced cast-in-place concrete structure with a plaster facade and a flat roof deck. The building is also constructed on a hillside to the rear and a parking area to the north of the building. Build in 1975. **GPS Latitude/Longitude:** 18.21102, -67.13740.

**4. UPR - Mayagüez Campus – Sánchez Hidalgo**

- The building is a 4-story office facility with a basement. It is a concrete beam and columns with CMU walls. The footprint is 20,800 sq ft. Build in 1960. **GPS Latitude/Longitude:** 18.21168, -67.14031.

**iii. SCOPE OF WORK- FEMA**

**The Scope of Work includes, but it's not limited to:**

<b>DI 406765 - UPR - Mayagüez Campus - Interdisciplinary Center of Littoral Studies</b>	
<b>PA Works</b>	
<b>C01:West wall:</b>	
<b>1</b>	Repair in-kind 40 CF of Exterior, Sidewalk separation cracking from wall (32 FT L x 20 FT W x 9 FT H), 20 FT long x 4 FT wide x 6 IN thick.
<b>C02:</b>	
<b>1</b>	Repair in-kind 52 LF of Ceiling and wall hairline cracking to 1/4 IN approx. in two locations throughout the room.
<b>406 HMP SCOPE</b>	

<b>(I) Damages Description &amp; Dimensions (DDD):</b>	
	40 CF of Sidewalk separation cracking from wall (32 FT L x 20 FT W x 9 FT H), 20 FT long x 4 FT wide x 6 IN thick
<b>(II) Hazard Mitigation Proposal (HMP) Scope of Work:</b>	
<b>1</b>	Add 9 SY of concrete admixture to the mortar mix to enhance the performance and bonding of the concrete mix for plastering.

<b>DI 407352 - UPR - Mayagüez Campus – Esteban Terrats</b>	
<b>PA Works</b>	
<b>Second level:</b>	
<b>Fiscal Office:</b>	
<b>1</b>	Repair in kind 20 LF of Interior, concrete floor slab cracks of 44.5 FT long x 17 FT wide, with vinyl tiles of 12" x 12" each one. See photos 5 to 7.
<b>Payroll Office:</b>	
<b>1</b>	Repair in kind 22 LF of Interior, concrete floor slab cracks of 44.5 FT long x 16.5 FT wide, with vinyl tiles of 12" x 12" each one. See photos 8 to 11.
<b>Storage:</b>	
<b>1</b>	Repair in kind 5 LF of Interior horizontal cracks under window at CMU wall of 11 FT long x 5.5 FT high on South-West side. See photos 12 to 14.
<b>Storage and Administration offices:</b>	
<b>1</b>	Repair in kind 830 SF of Exterior CMU wall of 41.5 FT long x 20 FT high on East Side of the facility with multiple cracks. See photos 11 to 15.

<b>DI 407345 - UPR - Mayagüez Campus – Administration Building at Research and Development Center</b>	
<b>PA Works</b>	
<b>Building Exterior (North Wing) - East Wall:</b>	
<b>1</b>	Repair in-kind 27 LF of Exterior, horizontal Wall surface 1/4-inch width hairline crack (see photo 19).
<b>Building Exterior (North Wing) - South Wall:</b>	

1	Repair in-kind 32 LF of Exterior, horizontal Wall surface 1/4-inch width hairline crack (see photos 17 and 18).
<b>Building Exterior (North Wing) - West Wall:</b>	
1	Repair in-kind 12 LF of Exterior, Wall surface, 1/4-inch width hairline crack adjacent to the door (see photo 16).
<b>Building Exterior (South Wing) - North Wall:</b>	
1	Repair in-kind 7 LF of Exterior, Wall surface 1/4-inch width hairline crack adjacent to the door (see photo 21).
<b>Building Exterior (South Wing) - South Wall:</b>	
1	Repair in-kind, 640 SF of Wall surface plaster damage on the entire wall surface, 32 FT long x 20 FT wide (see photo 20).
<b>Building Interior - Administration Office:</b>	
1	Repair in-kind Interior, 1,248 SF of Concrete floor settlement on the south side of the room, 39 FT long x 32 FT wide, 1 Inch depth throughout the entire room (see photos 6, 7 and 8).
2	Repair in-kind 10 LF of Interior, Wall surface 1/4-Inch width hairline crack located on the north wall (see photo 9).
<b>Building Interior - Lobby Area:</b>	
1	Repair in-kind 10 LF of Interior, Concrete floor slab crack that runs from the north to the south sides (see photo 1).
2	Repair in-kind 10 LF of Interior, Wall surface 1/4-Inch width hairline crack located on the south wall within the Lobby Area (see photo 2).
<b>Building Interior - Office J-101-A:</b>	
1	Repair in-kind 20 LF of Interior, Wall surface 1/4-inch width hairline crack (see photos 13 and 14).
<b>Building Interior - Office J-103:</b>	
1	Repair in-kind 30 LF of Interior, Wall surface 1/4-Inch width hairline crack (see photos 10, 11 and 12).
<b>Building Interior - Office JD-3:</b>	
1	Repair in-kind 170 SF of Interior, Concrete floor settlement on the south side of the room, 17 FT long x 10 FT wide, of concrete floor settlement of 1 Inch depth throughout the entire room (see photos 3 and 4).
<b>Building Interior - Office JD-5:</b>	
1	Repair in-kind 320 SF of Interior, Concrete floor settlement on the south side of the room, 20 FT long x 16 FT wide, of concrete floor settlement of 1 Inch depth throughout the entire room (see photo 5).

<b>Building Interior - Woman's Restroom:</b>	
1	Repair in-kind 3 LF of Interior, Wall surface 1/4-inch width hairline crack located on the south wall above the ceramic wall tile (see photo 15).
<b>406 HMP SCOPE</b>	
(I) Damages Description & Dimensions (DDD):	
Building Interior - Administration Office:	
1.	1,248 SF of Concrete floor settlement on the south side of the room, 39 FT long x 32 FT wide
<b>Building Interior - Office JD-3:</b>	
2.	170 SF of Concrete floor settlement on the south side of the room, 17 FT long x 10 FT wide
<b>Building Interior - Office JD-5:</b>	
3.	320 SF of Concrete floor settlement on the south side of the room, 20 FT long x 16 FT wide.
<b>(II) Hazard Mitigation Proposal (HMP) Scope of Work:</b>	
1.	<i>Add 35 CY of fiber additive to increase the resistance to tension on whole volume of member.</i>

<b>DI 407341 - UPR - Mayagüez Campus - Sánchez Hidalgo</b>	
<b>PA Works</b>	
<b>C 53 South Exterior Wall:</b>	
1	Repair in kind 265 LF of exterior Hairline Cracks in Wall (260 ft X 40 ft) Non-Structural Cosmetic Cracks.
<b>C 01 Unit 112 1st Fl East Wall:</b>	
1	Repair in kind 16 LF of interior Separation Crack Wall (18 ft X 8 ft) Non-Structural Cosmetic 1/2-inch width.
<b>C 02 Unit 112 1st fl North Wall:</b>	
1	Repair in kind 29 LF of interior Separation Crack Wall (29 ft X 8ft) Non-Structural Cosmetic 1/2-inch width.
<b>C 03 Unit 112 1st fl North Wall at base of column:</b>	

1	Repair in kind 7.5 SF of interior Floor upheaval Floor (29 ft X 18 ft), 3 FT long x 2.5 FT wide.
<b>C 04 Unit 112 1st FI South Wall:</b>	
1	Repair in kind 12 LF of Interior, Separation Cracks Wall (29 ft X 8 ft) Non-Structural Cosmetic Hairline Width.
<b>C 05 Unit 112 1st FI North Wall:</b>	
1	Repair in kind 8 LF of interior, Separation Crack Wall (29 ft X 8 ft) Non-Structural Cosmetic hairline.
<b>C 06 Unit 112 1st FI Entrance Rm East Wall:</b>	
1	Repair in kind 4 SF of interior, Spall Wall (29 ft X 8 ft), 6 IN wide x 8 FT high.
<b>C 07 Unit 112 1st fl 2nd Entrance Rm West Wall:</b>	
1	Repair in kind 15 LF of interior, Separation crack Wall (15 ft X 8 ft) Non-Structural Cosmetic 1/4 inch wide.
<b>C 08 Unit 111 1st FI. West Wall:</b>	
1	Repair in kind 20 LF of interior, Separation Crack in Wall (15 ft X 8 ft) Non-Structural Cosmetic 1/4 inch wide.
<b>C 09 Unit 111 Entrance Rm 1st FI North Wall:</b>	
1	Repair in kind 6 LF of interior, Cracks in Wall (11 ft X 8 ft) Nor-Structural Cosmetic 1/4 wide.
<b>C 10 Unit 111 1st FI East Wall:</b>	
1	Repair in kind 21 LF of interior, Separation Crack in Wall (18 ft X 8 ft) Non-Structural Cosmetic 1/4 inch wide.
<b>C 11 Unit 102 1st FI. North Wall:</b>	
1	Repair in kind 11 LF of interior, Hairline Crack in Wall (11 ft X 8 ft) Non-Structural Cosmetic 1/8 Inch Wide.
<b>C 12 Unit 102 1st FI East Wall:</b>	
1	Repair in kind 5 LF of interior, Hairline Crack in Wall (6 ft X 8 ft) Non-Structural Cosmetic 1/8 Inch wide.
<b>C 13 Hallway 1st FI North Wall:</b>	
1	Repair in kind 83 LF of interior, Separation and Hairline Cracks in Wall (260 ft X 8 ft) Non-Structural Cosmetic One Inch Wide.
<b>C 14 Hallway 1 st FI South Wall:</b>	

1	Repair in kind 180 LF of Interior, Separation and Hairline Cracks in Wall (260 ft X 8 ft) Non-Structural Cosmetic One Inch Wide.
<b>C 15 Women"s Bathroom 3rd FI East Wall:</b>	
1	Repair in kind 30 LF of Interior, 3 Separation Cracks in Wall (15 ft X 8) Non-Structural Cosmetic Hairline Width.
<b>C 16 Women's Bathroom 3rd FI. North Wall:</b>	
1	Repair in kind 36 each of interior, Tiles 4X4 in Wall (4 ft X 8 ft) ,
<b>C 17 Women's Bathroom 3rd FI. North Wall:</b>	
1	Repair in kind 2 LF of Interior, Hairline Crack in Wall (4 ft X 8 ft) Non-Structural Cosmetic (Hairline Width).
<b>C 18 Men's Bathroom 3rd FI. East Wall:</b>	
1	Repair in kind 18 LF of Interior, Separation & Hairline Cracks in Wall (15 ft X 8 ft) Non-Structure Cosmetic (Hairline Width).
<b>C 19 Men's Bathroom 3rd FL North Wall:</b>	
1	Repair in kind 4 LF od Interior, 3 Hairline Cracks in Wall (4 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 20 Unit 305d 3rd FI West Wall:</b>	
1	Repair in kind 30 LF of Interior, Separation Cracks in Wall (15 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 21 Unit 304D 3rd FI North Wall:</b>	
1	Repair in kind 1 each of interior, Loose Window Flame. in Wall (9 ft X 8 ft) (5' in SIR) Window is (9 ft X 5 ft),
<b>C 22 Unit 307 3rd fl East Wall:</b>	
1	Repair in kind 5 LF od Interior, Hairline Cracks in Wall (13 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 23 Hallway 3rd FI North Wall:</b>	
1	Repair in kind 30 LF of Interior, 5 Hairline Cracks in Wall (260 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 24 Hallway 3rd fl South Wall:</b>	
1	Repair in kind 40 LF of Interior, 5 Hairline Cracks in Wall (260 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 25 Unit 401 4th fl South Wall:</b>	



1	Repair in kind 4 LF of Interior, Hairline Crack in Wall (29 ft. X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 26 Unit 401A 4th Fl. West Wall:</b>	
1	Repair in kind 20 LF of Interior, Hairline Cracks in Wall (19 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 27 Unit 407 4th Fl East Wall:</b>	
1	Repair in kind 8 LF of Interior, Hairline Crack in wall (13 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 28 Unit 403B 4th Fl West Wall:</b>	
1	Repair in kind 10 LF of Interior, Hairline Crack in Wall (9 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 29 Unit 406 4th fl East Wall:</b>	
1	Repair in kind 3 LF of Interior, Hairline Crack in Wall (26 ft X 8 fl) Non-Structural Cosmetic (Hairline Width).
<b>C 30 Unit 406 4th fl North wall:</b>	
1	Repair in kind 20 LF of Interior, 5 Hairline Cracks in Wall (26 ft. X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 31 Unit 406B 4th fl West Wall:</b>	
1	Repair in kind 10 LF of Interior, Hairline Cracks in Wall (19 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 32 Unit 405 4th Fl North Wall:</b>	
1	Repair in kind 20 LF of Interior, Separation and Hairline Cracks in Wall (40 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 33 Unit 405 4th fl West Wall:</b>	
1	Repair in kind 3 LF of Interior, Hairline Crack in Wall (19 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 34 Hallway 4th fl North Wall:</b>	
1	Repair in kind 25 LF of Interior, 6 Hairline Cracks in Wall (260 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 35 Hallway 4th fl South Wall:</b>	
1	M1. Repair in kind 40 LF of Interior, Hairline Crack in Wall (260 ft X 8 ft) Non-Structural Cosmetic (hairline width).

<b>C 36 Unit 206 2nd fl North Wall:</b>	
1	Repair in kind 2 LF of Interior, Hairline Crack in Wall (35 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 37 Unit 210 2nd fl South Wall:</b>	
1	Repair in kind 14 LF of Interior, 2 Hairline Crack in Wall (26 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 37 Unit 210 2nd fl North Wall:</b>	
1	Repair in kind 8 LF of Interior, Hairline Crack in Wall (23 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 39 Unit 201 2nd fl East Wall:</b>	
1	Repair in kind 2 IF of Interior, Hairline Crack in wall (19 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 40 Hallway 2nd fl South Wall:</b>	
1	Repair in kind 14 LF of Interior, 2 Hairline Crack in Wall (260 ft X 8 ft) Non-Structural Cosmetic (Hairline Width).
<b>C 41 Hallway 2nd fl. North Wall:</b>	
1	Repair in kind 50 LF of Interior, Hairline Crack in Wall (260 ft X 8 ft) Non-Structural Cosmetic (Hairline Width)
<b>C 42 Unit 4 Basement East Wall:</b>	
1	Repair in kind 1 LF of Interior, Separation Crack in Wall (17 ft X 8 ft) Non-Structural Cosmetic (hairline width).
<b>C 43 Unit 4 Basement West Wall:</b>	
1	Repair in kind 1 LF of Interior, Separation Crack in Wall (17 ft X 8 ft) Non-Structural Cosmetic 1/8 Inch width).
<b>C 44 Unit 4 Basement Floor:</b>	
1	Repair in kind 35 each of interior, Loose and Damaged 12 X 12 Floor tiles (39 ft X 17).
<b>C 45 Unit 5 Basement Floor:</b>	
1	Repaired 633 SF of Interior, Concrete Slab and Floor tiles, 39 FT long x 17 FT wide.
<b>C 46 Unit 5 Basement East Wall:</b>	

1	Repair in kind 3 SF of Interior, Spall in Wall (17 ft X 8 ft) , 9 FT wide x 4 IN high,
<b>C 47 Unit 3 Basement Floor:</b>	
1	Remove and replace in kind 633 SF of Interior, 12 X 12 tiles, 39 FT long x 17 FT wide,
<b>C 48 West Exterior Wall:</b>	
1	Repair in kind 60 LF of Exterior, Hairline Cracks in wall (80 ft 40 ft) Non-Structural Cosmetic (hairline width).
<b>C 49 North Exterior Wall:</b>	
1	Repair in kind 205 LF of Exterior, Hairline Cracks in Wall (260 ft X 40 ft) Non-Structural Cosmetic (hairline width).
<b>C 50 North Exterior Wall:</b>	
1	Repair in kind 45 SF of Exterior, Spall in Wall (260 ft X 40).
<b>C 51 North Exterior Column at Base of 3 Western most Columns:</b>	
1	Repair in kind 9 SF of Exterior, Spall at Column base. Diameter of columns 16 inches.
<b>C 52 East Exterior Wall:</b>	
1	Repair in kind 250 LF of Exterior, Hairline Crack in Wall (80 ft X 40 ft) Non-Structural Cosmetic (hairline width).
<b>Scope Notes:</b>	
<ol style="list-style-type: none"> <li>1. As per the SIR, the item "C 45 Unit 5 Basement Floor:" is a "Work to be Completed" instead of Completed Work as it says in the DDD.. See at document the confirmation from the PDMG at "SP160423-DR4473PR-Correspondence.pdf".</li> <li>2. According to the SIR, the dimension of item "C 21 Unit 304D 3rd Fl North Wall: " is (9FT X 5FT) instead of (9FT x 8 FT) as it says in the DDD.</li> <li>3. According to the SIR, the dimension of item "C 45 Unit 5 Basement Floor:" is SF instead of SY as it says in the DDD.</li> <li>4. As required by the applicant in the document "Re_ DR4473PR - Project 160423-Sanchez Hidalgo.pdf", SOW cost for Items. D, E, V, E1, G1, K1, S1 and D2 that correspond to the DDD items C 03, C 04, C 21, C 27, C 29, C 33, C41 and C51 were removed from the Cost Estimate.</li> </ol>	
<b>406 HMP SCOPE</b>	
<b>Spall damages (items 1-3):</b>	
	Add 7 SY of concrete admixture to the mortar mix to enhance the performance and bonding of the concrete mix for plastering
<b>Tile Damages (items 4-7):</b>	
	Add 141 SF of elastomeric membrane anti-fracture to prevent cracks from protruding up through your tile.

## g. PW 00643 - UPR MAYAGÜEZ

### i. LOCATION PLAN



### ii. DESCRIPTION

#### 1. Fish Museum of Magueyes Island

- Building #10 - 2nd story with Chemistry Laboratory on 2nd Floor and Fish Museum on 1st Floor that is generally 43.9FTx73FT (3,205 SF) made of reinforced concrete columns and floor slabs with CMU infill walls and partition walls with a gabled corrugated metal roof structure. Build in 1970. **GPS Latitude/Longitude:** 17.97054, -67.04430.

#### 2. Administrative Office of Magueyes Island

- The facility is the administrative office servicing the University of Puerto Rico Mayagüez Campus of Magueyes Island. It is located off the coast of La Parguera. The surrounding site is relatively flat with a gentle slope towards the shore. The structure has reinforced concrete beams, columns, and elevated floor with infill CMU block walls; a slab-on-ground first level floor; and the roof consists of a wood-framed gable portion finished with corrugated metal deck and a reinforced concrete flat portion finished with an asphalt membrane. The exterior is finished with painted cementitious plaster. The footprint is approximately 46 FT W x 100 FT L = 4,600 SF including the covered porch. Build in 1970. **GPS Latitude/Longitude:** 17.96968, -67.04562.

### 3. **836 New Building 2 of Magueyes Island**

- Building #2 - Laboratory and office use generally 43FTx64FT (2,752 SF) made of reinforced concrete columns and floor slabs with CMU infill walls and partition walls with a gabled corrugated metal roof structure. Build in 1970. **GPS Latitude/Longitude:** 17.97013, -67.04571.

### 4. **Baradero of Magueyes Island**

- Building #5 - Boat launch facility comprised of reinforced concrete columns and reinforced concrete roof slab structure w/concrete slab ground pad for boat landing and is generally 26.5FT(W)x30.5FT(L), or 808 SF footprint cover structure for dry docked boats. Build in 2000. **GPS Latitude/Longitude:** 17.96958, -67.04572.

### 5. **Dr. Weill Laboratory Building Centro de Estudiantes of Magueyes Island**

- Laboratory office. Build in 2001. **GPS Latitude/Longitude:** 17.97041, -67.04446.

### 6. **Dormitorios de Arriba of Magueyes Island**

- Building #9 - Single story student dormitory building with damaged 12.3FT x 12.3FT addition constructed of reinforced

concrete square column piers, floor slab and metal corrugated roof structure that is generally 33.5FT(W) x 128FT(L), or 4,288 SF footprint. Note that damages are only within 12.25FT(W) x 12.25FT(L) addition that sits on reinforced concrete column/pier open crawl space supporting CMU walls and concrete slab floor. Build in 1970. **GPS Latitude/Longitude:** 17.96990, -67.04384.

## 7. **Dormitorios Cuerpos de Paz of Magueyes Island**

- The facility is a dormitory servicing the University of Puerto Rico Mayagüez Campus - Peace Corps. It is located within the Municipality of Lajas, on Magueyes Island, off the coast of La Parguera. The structure has wood framed floors, walls, and roof supported on reinforced concrete piles. The site is sloping with one end of the dormitories at grade and the other end elevated approximately 6.5 FT above grade. Exterior finishes are painted plywood walls and a corrugated metal gable roof with aluminum jalousie windows. The footprint is approximately 17 FT W x 71 FT L = 1,207 SF including the covered porch. Build in 1985. **GPS Latitude/Longitude:** 17.96983, -67.04506.

## 8. **Mechanical Workshop of Magueyes Island**

- Building #3 - Mechanical workshop generally 24FTx40FT (960 SF) made of reinforced concrete walls and partition walls with a flat reinforced concrete flat slab roof structure. Build in 2001. **GPS Latitude/Longitude:** 17.97038, -67.04615.

## 9. **831 Almodovar Building of Magueyes Island**

- The facility is a 3-story building constructed on a steep sloping and terraced site with grassed area and sidewalk surrounding the building. The building is a reinforced concrete frame with CMU walls constructed on a concrete slab ground floor. The building roof is made of a combination of reinforced concrete, metal sheeting and elastomeric materials. The building footprint was measured to be about 145 FT long x about 60 FT wide. The building consists of classrooms, office space and laboratory rooms. Build in 1960. **GPS Latitude/Longitude:** 17.97045, -67.04532.

## 10. 812 Building of Magueyes Island

- Building 812 is a 3,000 SF, 1 story, structural steel, concrete and masonry building. Building structural system consists of corrugated metal over steel purlins that are supported by structural steel frames. The gable roof of the main structure is corrugated metal with a 4 FT overhang along the two long sides. The north end of the building is a 5 FT x 26 FT area with a flat concrete roof covered with a modified bitumen membrane. The west side has a 10 FT x 54 FT concrete, masonry, and metal roof annex. The building envelope has painted masonry walls, aluminum jalousie windows and metal doors. Building interiors consist of suspended acoustic or plywood ceiling, painted masonry or drywall partitions and vinyl or terrazzo floor tile. This facility was used as research laboratories and was in use at the time of the event. Build in 1973. **GPS Latitude/ Longitude:** 17.97012, -67.04544.

## 11. Diving Compressor Tanks of Magueyes Island

- The facility is a small 1-story structure constructed near the water surrounded by gently sloping terrain. The building is a reinforced concrete frame with CMU walls constructed on a concrete slab floor. The building roof is made of a combination of reinforced concrete and elastomeric material. The building's façade is stucco. The building footprint was measured to be about 9 FT long x about 6 FT wide and the building generally has a 14 FT roof overhang surrounding the building. The building houses compressor equipment and is adjacent to a work area. Built in 1985. **GPS Latitude/ Longitude:** 17.97013, -67.04601

### iii. SCOPE OF WORK- FEMA

The Scope of Work includes, but it's not limited to:

<b>DI 453949 - Fish Museum of Magueyes Island</b>	
<b>PA Works</b>	
<b>Site #01, Exterior - 1st floor - Fish Museum - Ceiling Overhang - North side</b>	
<b>1</b>	Prepare and repair 24 SF of plaster spalling at underside of reinforced concrete walkway overhang, 6 FT W x 73 FT L x 0.50 IN D (in-kind)

<b>DI 447551 - UPR - Mayagüez - Administrative Office of Magueyes Island</b>	
<b>PA Works</b>	
<b>Site 01- North Face, Front Porch</b>	
1	Prepare and repair 59 LF long hairline cracks on 1/2 IN thick plaster (in-kind)
<b>Scope Notes</b>	
1. The correct GPS coordinates for this facility are 17.97049, -67.04448. See attachment labeled <i>DI 447551 - DR4473PR - Location Map.pdf</i> and the Grants Manager comment made on 01/03/2022 12:44 PM AST.	

<b>DI 447503 - UPR - Mayagüez - 836 New Building 2 of Magueyes Island</b>	
<b>PA Works</b>	
<b>Site #01, Exterior - 1st Floor - New Bldg. #836 - North side</b>	
1	Prepare and repair 26.2 FT L x 0.125 IN W vertical cracks on exterior CMU wall, 64 FT W x 23.5 FT H (in-kind).
<b>Site #02, Exterior - 1st Floor (Basement) - New Bldg. #836 - southwest wall</b>	
1	Prepare and repair 6.8 SF of spalling on exterior CMU wall, 10.25 FT W x 9 FT H (in-kind).
<b>Site #03, Exterior - 1st Floor - New Bldg. #836 - South wall</b>	
1	Prepare and repair 4 FT L x 0.125 IN W cracks on exterior CMU wall, 54 FT W x 17 FT H (in-kind).
<b>Site #04, Exterior - 1st Floor - New Bldg. #836 - southeast column</b>	
1	Prepare and repair 6.1 FT L x 0.125 IN W cracks on exterior CMU column, 54 FT W x 17 FT H (in-kind).
<b>Site #05, Exterior - 1st Floor - New Bldg. #836 - east wall</b>	
1	Prepare and repair 19.2 FT L x 0.125 IN W cracking on exterior CMU wall, [43 FT W x 13 FT H] + [43 FT H x 5 FT H] x 1/2 (triangular gable face area) (in-kind).

<b>DI 447507 - UPR - Mayagüez - Baradero of Magueyes Island Island</b>	
<b>PA Works</b>	
<b>Site #01, Exterior - 1st floor - Baradero (Boat Launch) - #MG952 - Ceiling</b>	
1	Prepare and repair 32.6 SF of plaster spalling on exterior ceiling, 26.5 FT W x 30.5 FT L x 0.5 IN T.
<b>Site #02, Exterior - 1st floor - Baradero (Boat Launch) - #MG952 - North &amp; South sides</b>	



1	Prepare and repair 23 SF of plaster spalling on exterior reinforced concrete beams
<b>406 HMP Scope</b>	
<b>"Site #01, Exterior - 1st floor - Baradero (Boat Launch) - #MG952 - Ceiling</b>	
1	Prepare and repair 32.6 SF of plaster spalling on exterior ceiling, 26.5 FT W x 30.5 FT L x 0.5 IN T. - <b>Add liquid bonding agent to the mix which will be applied to repaired areas to add strength to damaged areas.</b>
<b>Site #02, Exterior - 1st floor - Baradero (Boat Launch) - #MG952 - North &amp; South Sides</b>	
1	Prepare and repair 23 SF of plaster spalling on exterior reinforced concrete beams." - <b>Add liquid bonding agent to the mix which will be applied to repaired areas to add strength to damaged areas.</b>

<b>DI 447510 - UPR - Mayagüez - Dr. Weill Laboratory Building Centro de Estudiantes of Magueyes Island</b>	
<b>PA Works</b>	
<b>Site 1 – Lab West Wall</b>	
1	Prepare and repair 4 FT long hairline crack on interior CMU wall, 24 FT long x 8 FT high.
<b>Site 2 – Front Patio Side West Wall</b>	
1	Prepare and repair 68 FT long hairline cracking on exterior CMU wall.
<b>Site 3 – Front West Wall</b>	
1	Prepare and repair 10 SF of spalling on 1/2 IN thick plaster.

<b>DI 447552 - UPR - Mayagüez - Dormitorios de Arriba of Magueyes Island</b>	
<b>PA Works</b>	
<b>Site #01, Exterior - 1st floor - Dormitory Addition - Crawl space - Ground</b>	
1	Prepare and repair 30 FT long cracks, at least 1/2 IN wide, on reinforced concrete pier/column. Twelve piers were damaged, each has 2.5 FT of unsupported length (30 LF total). Each column is squared with 10 IN sides

<b>DI 447509 - UPR - Mayagüez - Dormitorios Cuerpos de Paz of Magueyes Island</b>	
<b>PA Works</b>	
<b>Site 01- Foundation</b>	
1	Prepare and repair 6 IN square reinforced concrete piles for 24 LF long cracks and spalling concrete as follows: (5) 4 FT long x 1/4 IN wide cracks on 6.5 FT high exposed pile + (1) 4 FT long x 1/4 IN wide crack on 5 FT high exposed pile.

<b>DI 447504 - UPR - Mayagüez - Mechanical Workshop of Magueyes Island</b>	
<b>PA Works</b>	
<b>Site #01, Interior - 1st Floor - Bld#3 - Mech. Room - Ceiling Bay #1</b>	
1	No. Work
<b>Site #02, Interior - 1st Floor - Bld#3 - Mech. Room - Ceiling Bay #2</b>	
1	No. Work
<b>Site #03, Interior - 1st Floor - Bld#3 - Mech. Room - Ceiling Bay #3</b>	
1	No. Work
<b>Site #04, Exterior - 1st Floor - Bld#3 - Mech. Room - West wall</b>	
1	Prepare and repair 51 FT L x 0.125 IN W cracks on exterior CMU wall, 40 FT W x 10 FT H
<u>Scope Notes</u>	
1. Site #01, Site #02, and Site #03 damages were not considered on the cost estimate. They were already claimed as part of the applicant's project for this facility under DR4339. Refer to attachment labeled <i>DR4473 vs DR4339 UPR Duplicity Comparison - Project 177329 - EUPR Mayagüez 08 Magueyes Island Buildings.pdf</i> for additional information.	

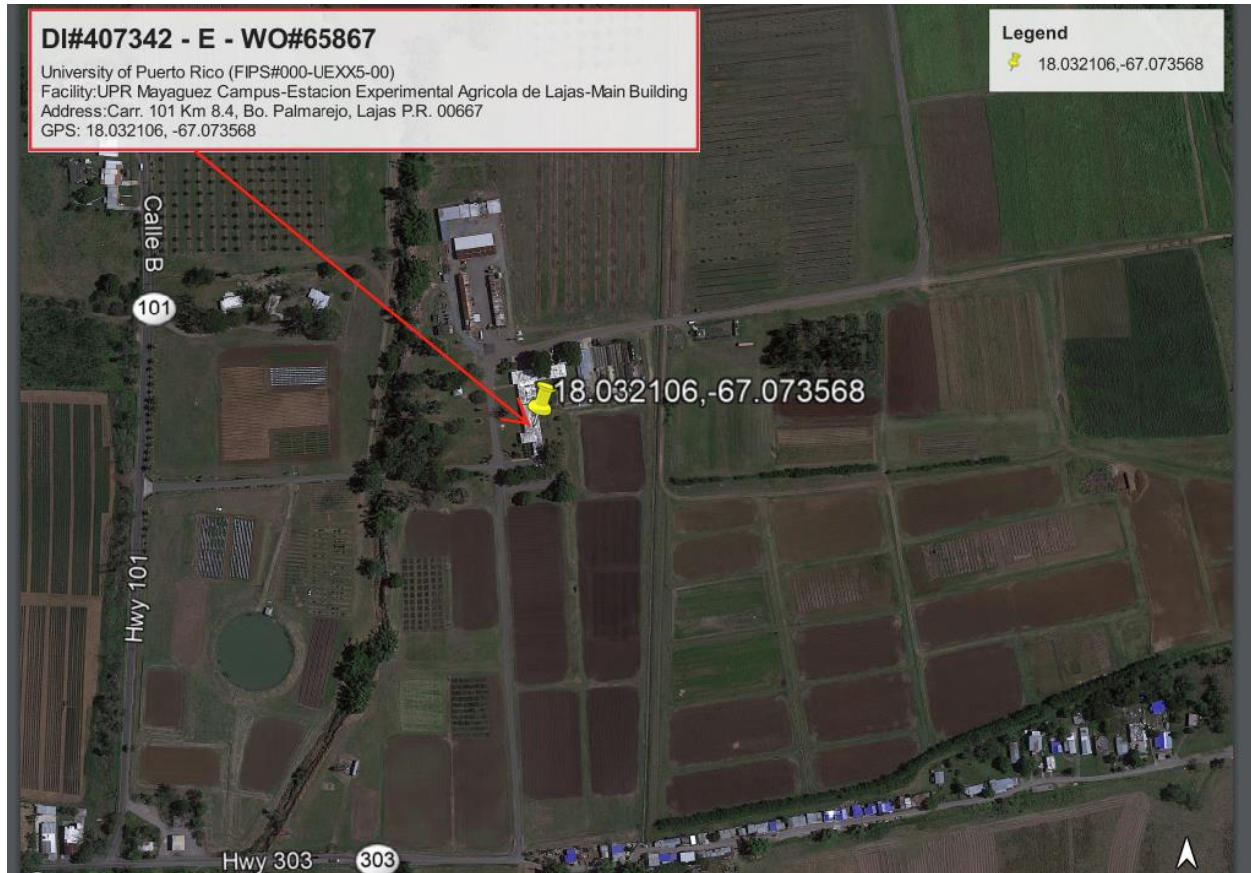
<b>DI 447501 - UPR - Mayagüez - 831 Almodovar Building of Magueyes Island</b>	
<b>PA Works</b>	
<b>Site 1 – Level 2 – Bio-optical Oceanography Lab</b>	
1	Prepare and repair 9 FT long vertical hairline crack on interior CMU wall, 20 FT long x 9 FT high (in-kind).
<b>Site 2 – Level 2 – Storage/Workshop</b>	
1	Prepare and repair 20 FT long joint separation between interior CMU wall and metal ceiling (in-kind).
<b>Site 3 – Level 3 – Parapet Wall</b>	
1	Prepare and repair 49.5 FT long vertical and horizontal hairline cracks on exterior CMU walls. The overall dimensions of the West segment of wall are 22.5 FT long x 7.5 FT high and the overall height of the East segment of wall is 19.5 FT high (in-kind).
<b>Site 4 – Level 3 – Beam Overhang</b>	
1	Prepare and repair 2 SF of spalling on exterior reinforced concrete beam, 26.5 FT long x 1 FT high (in-kind).
<b>Site 5 – Level 2 – Stairs</b>	
1	Prepare and repair 12.5 FT long joint separation between exterior CMU wall and stairway (in-kind).

<b>DI 407360 - UPR - Mayagüez - 812 Building of Magueyes Island</b>	
<b>PA Works</b>	
<b>01- West Side</b>	
1	Prepare and repair 273 SF of exterior masonry wall, 75 FT long x 13 FT high (in-kind).
<b>02- East Side</b>	
1	Prepare and repair 130 SF of exterior masonry wall, 75 FT long x 13 FT high (in-kind).
<b>03- Room 101 (24.75 FT x 46 FT)</b>	
1	Prepare and repair 7 LF of vertical cracks, 1/8 IN max, on exterior masonry wall, 75 FT long x 13 FT high (in-kind).
<b>406 HMP Scope</b>	
<b>West Side: A.</b>	
1	Prepare and repair 273 SF of exterior masonry wall, 75 FT long x 13 FT high. <b>Add liquid bonding agent to the mix which will be applied to repaired areas to add strength to damaged areas.</b>
<b>East Side: B.</b>	
1	Prepare and repair 130 SF of exterior masonry wall, 75 FT long x 13 FT high." Exterior masonry wall totals <b>403 Square Feet. Add liquid bonding agent to the mix which will be applied to repaired areas to add strength to damaged areas.</b>

<b>DI 447506 - UPR - Mayagüez - Diving Compressor Tanks of Magueyes Island</b>	
<b>PA Works</b>	
1	No Work.
<b>Scope Notes</b>	
1. This Damage Inventory was not considered on the cost estimate. Damages listed on this DI were already claimed as part of the applicant's project for this facility under DR4339. Refer to attachment labeled <i>DR4473 vs DR4339 UPR Duplicity Comparison - Project 177329 - EUPR Mayagüez 08 Magueyes Island Buildings.pdf</i> for additional information.	

## h. PW 00339 - UPR MAYAGÜEZ

### i. LOCATION PLAN



### ii. DESCRIPTION

The estacion Experimental de Lajas Main Building is a 12,200 SF 1 story of reinforced concrete and masonry building. Building structural system consists of reinforced concrete slab w/ one way concrete joists over concrete frames (beam and columns) in the long direction. Building envelope has painted masonry walls, aluminum jalousie windows and metal doors. Building interiors consist of painted surfaces, masonry wall partitions, ceramic tiles 12IN x 12IN, Losa criolla 6IN x 6IN and polished concrete slab. The facility was used for classrooms, office, dining hall, kitchen, storage and bathrooms and was in use at the time of the event.

**GPS Latitude/Longitude:** 18.03211, -67.07357

### iii. SCOPE OF WORK- FEMA

**The Scope of Work includes, but it's not limited to:**

<b>DI 407342 - UPR - Mayagüez - Estación Experimental Agrícola de Lajas - Main Building</b>	
<b>PA Works</b>	
<b>Site #01 - Interior</b>	
1. Hallway & Rooms 104, 106 & 108 - North Wall:	
<b>A.</b>	Clean and repair in-kind, 42 FT of cracks in interior CMU wall, various segments and, remove, replace and paint in kind, 21 SF of cement plaster. Total wall surface is 570 SF.
<b>Site #02 - Interior</b>	
2. Hallway, Men's and Women's Restrooms & Rooms 105, 107, 109 & 111 - South Wall:	
<b>A.</b>	Clean and repair in-kind, 13 FT of cracks in interior CMU wall, various segments and, remove, replace and paint in kind, 6.5 SF of cement plaster. Total wall surface is 87.5 SF.
<b>Site #03 - Interior</b>	
3. Room 111 - East Wall:	
<b>A.</b>	Clean and repair in-kind, 13 FT of cracks in interior CMU wall, various segments and, remove, replace and paint in kind, 6.5 SF of cement plaster. Total wall surface is 87.5 SF.
<b>Site #04 - Interior</b>	
4. Room 100 - West Wall:	
<b>A.</b>	Clean and repair in-kind, 12 FT of cracks in joint between interior CMU wall and concrete beam and, remove, replace and paint in kind, 6 SF of cement plaster. Total wall surface is 87.5 SF.
<b>Site #05 - Interior</b>	
5. Room 102 - North Wall:	
<b>A.</b>	Clean and repair in-kind, 3 FT of cracks in joint between interior CMU wall and concrete beam and, remove, replace and paint in kind, 1.5 SF of cement plaster. Total wall surface is 105 SF.
<b>Site #06 - Interior</b>	
6. Room 104 - North Wall:	
<b>A.</b>	Clean and repair in-kind, 3 FT of cracks in joint between interior CMU wall and concrete beam and, remove, replace and paint in kind, 1.5 SF of cement plaster. Total wall surface is 105 SF.
<b>Site #07 - Interior</b>	
7. Room 110 - North Wall:	
<b>A.</b>	Clean and repair in-kind, 10 FT of cracks in interior CMU wall, various segments and, remove, replace and paint in kind, 5 SF of cement plaster. Total wall surface is 393.75 SF.
<b>Site #08 - Interior</b>	
8. Room 110 - East Wall:	
<b>A.</b>	Clean and repair in-kind, 35 FT of cracks in interior CMU wall, various segments and, remove, replace and paint in kind, 17.5 SF of cement plaster. Total wall surface is 227.5 SF.
<b>Site #09 - Interior</b>	

<b>9. Hallway - East Wall:</b>	
<b>A</b>	Clean and repair in-kind, 8 FT of cracks in interior CMU wall, various segments and, remove, replace and paint in kind, 4 SF of cement plaster. Total wall surface is 807.5 SF.
<b>Site #10 - Interior</b>	
<b>10. Hallway - East Wall:</b>	
<b>A</b>	Clean and repair in-kind, 14 FT of cracks in joint between interior CMU wall and concrete beam and, remove, replace and paint in kind, 7 SF of cement plaster. Total wall surface is 807.5 SF.
<b>Site #11 - Interior</b>	
<b>11. Hallway - West Wall:</b>	
<b>A</b>	Clean and repair in-kind, 13 FT of cracks in interior CMU wall, various segments and, remove, replace and paint in kind, 7 SF of cement plaster. Total wall surface is 807.5 SF.
<b>Site #12 - Interior</b>	
<b>12. Hallway - South Wall:</b>	
<b>A</b>	Clean and repair in-kind, 5 FT of cracks in joint between interior CMU wall and concrete roof slab and, remove, replace and paint in kind, 2.5 SF of cement plaster. Total wall surface is 10 SF
<b>Site #13 - Exterior</b>	
<b>13. "Almacén de Congeladores" - West Elevation:</b>	
<b>A.</b>	Clean and repair in-kind, 12 FT of cracks in exterior CMU wall, various segments and, remove, replace and paint in kind, 6 SF of cement plaster. Total wall surface is 237.5 SF.
<b>Site #14 - Exterior</b>	
<b>14. Room 113 - West Elevation:</b>	
<b>A.</b>	Clean and repair in-kind, 9 FT of cracks in exterior CMU wall, various segments and, remove, replace and paint in kind, 11.25 SF of cement plaster. Total wall surface is 522.5 SF.
<b>Site #15 - Exterior</b>	
<b>15. Room 113 - West Elevation:</b>	
<b>A</b>	Clean and repair in-kind, 10 FT of cracks in joint between exterior CMU wall and concrete column, and, remove, replace and paint in kind, 5 SF of cement plaster. Total wall surface is 14.25 SF.
<b>Site #16 - Exterior</b>	
<b>16. East Entrance - South Wall:</b>	
<b>A</b>	Clean and repair in-kind, 3 FT of cracks in joint between exterior CMU wall and concrete roof slab and, remove, replace and paint in kind, 1.5 SF of cement plaster. Total wall surface is 142.5 SF.
<b>Site #17 - Exterior</b>	
<b>17. East Entrance - South Wall:</b>	
<b>A</b>	Clean and repair in-kind, 7.5 FT of cracks in joint between exterior CMU wall and concrete column, and, remove, replace and paint in kind, 3.75 SF of cement plaster. Total wall surface is 142.5 SF.

## i. PW 00561 - UPR MAYAGÜEZ

### i. LOCATION PLAN



### ii. DESCRIPTION

The University of Puerto Rico, Mayagüez Campus is a public university in Mayagüez and is the second-largest campus of the University of Puerto Rico system. The campus that was in use at the time of the event has a population composed of approximately 12,500 students and 1,800 between education and staff members. The Natatorium facility has three pools, the first is a 50-meter "Olympic" pool, a 25x25 meter warm up pool, a diving pool which measures 25x35 meters that has dive platforms structures, offices, and classrooms. It's a 2-level structure which structural system apparently consists of reinforced concrete columns, beams, and walls. Building envelope has painted masonry walls, exposed concrete walls, metal and glass windows and doors. The entire facility has an approximately footprint of 119,880 square feet.

Location Description: 259 Boulevard Alfonso Valdes Cobian Mayagüez PR 00682

GPS Latitude/Longitude: 18.21608, -67.14332

The Tennis Court Building is a 2-level structure which structural system apparently consists of reinforced concrete columns and beams. Building envelope has exposed reinforced concrete walls, glass and metal walls windows and doors. The building has an approximately footprint of 9,350 square feet.

Location Description: 259 Boulevard Alfonso Valdes Cobian Mayagüez PR 00682

GPS Latitude/Longitude: 18.21654, -67.14551

**iii. SCOPE OF WORK- FEMA**

**The Scope of Work includes, but it's not limited to:**

<b>DI 407348 - UPR - Mayagüez - Natatorium</b>		
<b>PA Works</b>		
<b>D.001:</b>		
Second Level Area A-1:		
<b>A.</b>	Repair painted and plaster wall of 26 ft. wide x 18.5 ft. high has, 22.5 FT long, of cracks damages. Damage removed by the applicant. Please refer to Scope Note #4.	
<b>D.002:</b>		
Second Level Area A-1:		Second Level Area A-1:
<b>B.</b>	Repair, painted and plaster wall of 54 ft. wide x 18.5 ft. high has, 18.5 FT long, of vertical cracks damages. Damage removed by the applicant. Please refer to Scope Note #4.	
<b>D.003:</b>		
Second Level Area A-1:		
<b>C.</b>	Repair, 132 SF of a painted and plaster CMU wall of, 6 FT wide x 22 FT high, has multiple all directions cracks damages. Damage removed by the applicant. Please refer to Scope Note #4.	
<b>D.004:</b>		
Second to first level handicap ramp:		Second to first level



	handicap ramp:
<b>D.</b>	Repair, 57 SF of a painted and plaster RC wall of, 9.5 FT wide x 24 FT high, has a plaster section area of 9.5 ft. wide x 6 ft. high with plaster damages.
<b>D.005:</b>	
Second to first level handicap ramp:	
<b>E.</b>	Repair, 8 SF of a painted and plaster wall of, 41 FT wide x 4 FT high, has a plaster section area of 2 ft. wide x 4 ft. high with plaster damages.
<b>D.006:</b>	
First level interior patio principal entrance:	
<b>F.</b>	Remove and replace, 1 SF of ceramic tile of 6 in. x 3 in. in a tile wall of, 6 FT long x 10 FT wide.
<b>D.007:</b>	
First level interior patio principal entrance:	
<b>G.</b>	Repair, 58.45 SF of plaster (35 ft x 1.67 ft.) of a painted and plaster reinforced concrete column of, 10 FT long x 35 FT high x 1.67 FT thick.
<b>D.008:</b>	
First level interior patio principal entrance:	
<b>H.</b>	Repair, 25 SF of plaster (5 ft. x 5 ft.) of a painted and plaster reinforced concrete column of, 10 FT long x 35 FT high x 1.67 FT thick.
<b>D.009:</b>	
First level interior patio principal entrance hall:	
<b>I.</b>	Repair, 1 SF of painted plaster section around the rubber expansion joint of, 1 FT long x 1 FT wide.
<b>D.010:</b>	
First level 50-meter "Olympic" pool area:	
<b>J.</b>	Remove and replace, rubber expansion joint of, 21 FT long, was detached and fall.
<b>D.011:</b>	
First level 25 m x 25 m warm up pool:	
<b>K.</b>	Repair, 24 SF of a painted and plaster wall of, 2 FT wide x 12 FT high.
<b>D.012:</b>	
First level 25 m x 25 m warm up pool:	
<b>L.</b>	Remove and replace, rubber expansion joint of, 40 FT long, was detached and fall.
<b>SD.013:</b>	
Diving pool:	
<b>M.</b>	Repair, 2 painted and plaster walls of (12 ft. wide x 49 ft. high) and (22 ft. wide x 16 ft. average high) has, 39 FT long, of multiple all directions cracks damages. Damage removed by the applicant. Please refer to Scope Note #4.
<b>D.014:</b>	
Diving pool bleachers:	
<b>N.</b>	Repair, painted and plaster wall of 17 ft. wide x 14 ft. high has a, 10 FT long, vertical crack damage.
<b>D.015:</b>	
Exit 25 stairs diving pool:	

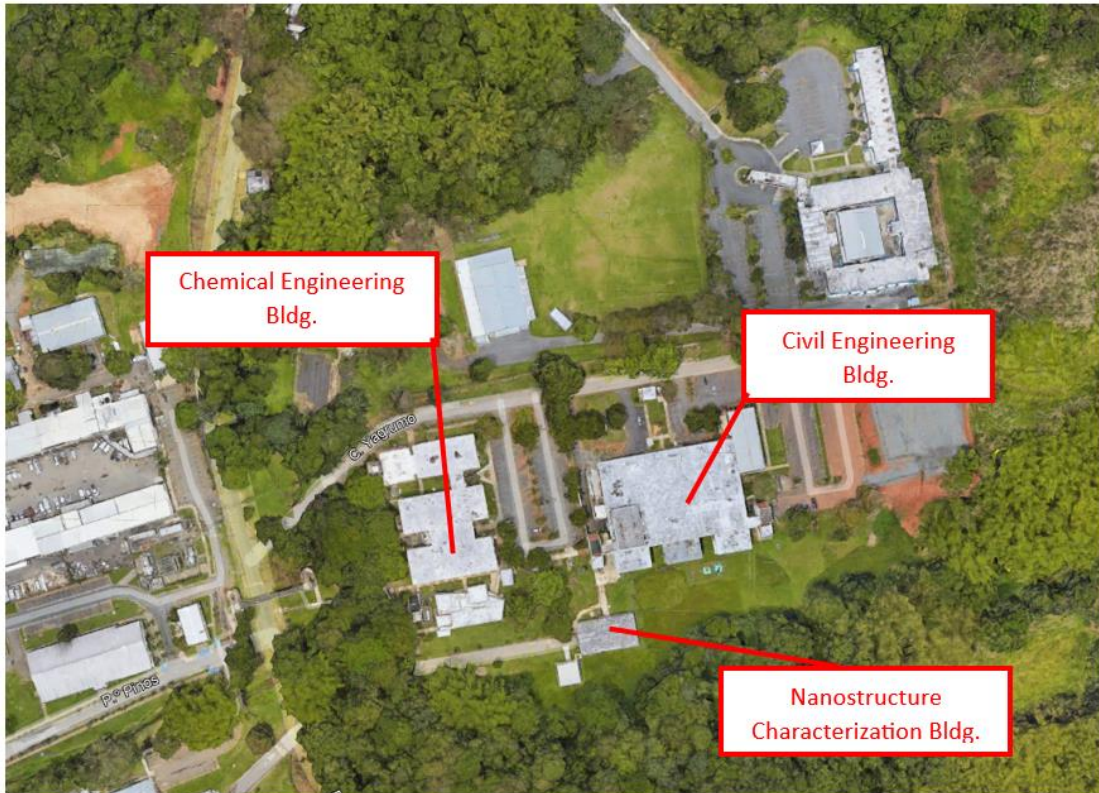
<b>O.</b>	Repair, painted and plaster wall of 8.5 ft. wide x 23 ft. high has, 46 FT long, of total (23 ft. x 2 sides) vertical crack damage.
<b>D.016:</b>	
Entrance of exit 25 stairs diving pool:	
<b>P.</b>	Repair, painted and plaster wall of 10 ft. wide x 36 ft. high has, 122 FT long, of total cracks damages.
<b>D.017:</b>	
Exterior Southwest wall:	
<b>Q.</b>	Repair, painted and plaster wall of 212 ft. wide x 41 ft. high has, 149 FT long, of total cracks damages.
<b>D.018:</b>	
Exterior Southwest wall:	
<b>R.</b>	Repair, 82 SF of a painted and plaster wall of, 212 FT wide x 41 FT high, has a plaster damage area of 41 ft. high x 2 ft. wide around rubber expansion joint.
<b>D.019:</b>	
Administration Hall:	
<b>S.</b>	Repair, painted and plaster wall of 24 ft. wide x 7.5 ft. high has a, 7.5 FT long, vertical crack damage.
<b>SD.020:</b>	
Office 206 @ 206A:	
<b>T.</b>	Repair, 1,474 SF of polished finish exposed concrete floor area of, 67 FT long x 22 FT wide, has multiple all directions cracks damages.
<b>D.021:</b>	
Office 207:	
<b>U.</b>	Repair, painted and plaster wall of 19 ft. wide x 7.5 ft. high has, 15 FT long, of total (7.5 ft. x 2 sides) vertical crack damage.
<b>D.022:</b>	
Office 207:	
<b>V.</b>	Repair, painted and plaster RC column of 1.5 ft. wide x 0.5 ft. thick x 7.5 ft. high has a, 1.5 FT long, horizontal crack damage.
Scope Notes:	
<ol style="list-style-type: none"> <li>1. Damages included in both disasters (4339PR and 4473PR) as identified in document labeled: DR4473 vs DR4339 UPR Duplicity Comparison - [180573] EUPR Mayagüez 10 - Sport Facilities.pdf, were not considered in the cost estimate to avoid duplication of funds.</li> <li>2. For duplicity report analysis refer to document labeled: DR4473 vs DR4339 UPR Duplicity Comparison - [180573] EUPR Mayagüez 10 - Sport Facilities.pdf.</li> <li>3. Paint was claimed in DR4339, therefore, only repair of the damages was considered in the cost estimate. Refer to document labeled: SP180573-DR4339PR-Duplicity of Damaged Paint Clarification.pdf.</li> <li>4. Please refer to document labeled: Re_DR4473PR -UPR Mayagüez Campus - Project 180573 .pdf, for damages removal requested by the applicant.</li> </ol>	

<b>DI 407377 - UPR - Mayagüez - Tennis Court</b>	
<b>PA Works</b>	
<b>1.001:</b>	
Office Teni 001:	
<b>A.</b>	Repair, painted and plaster CMU wall of 17.5 ft. wide x 12 ft. high has, 11 FT long, in total of 2 hairlines cracks damages of 5.5 ft. each (wall both sides).
<b>1.002:</b>	
Teni 002-A3:	
<b>B.</b>	Repair, painted and plaster CMU wall of 11.5 ft. wide x 12 ft. high has, 13 FT long, of hairlines cracks damages.
<b>1.003:</b>	
CT-02A showers:	
<b>C.</b>	Repair, painted and plaster CMU wall of 19 ft. wide x 12 ft. high has, 23 FT long, of hairlines cracks damages (19 ft. + 2 ft. + 2 ft.).
<b>1.004:</b>	
Teni 002A:	
<b>D.</b>	Repair, painted and plaster CMU wall of 48 ft. wide x 10 ft. high has, 34 FT long, of multiple all directions hairlines cracks damages.
<b>1.005:</b>	
CT-02B:	
<b>E.</b>	Repair, painted and plaster CMU wall of 7 ft. wide x 10 ft. high has, 10 FT long, of hairlines cracks (7 ft. + 3 ft.) damages.
<b>1.006:</b>	
Stairs:	
<b>F.</b>	Repair, exposed RC wall of 17.5 ft. wide x 27 ft. high x 1 ft. thick has, 40 FT long, of hairlines cracks (4 of 10 ft. each) damages.
<b>1.007:</b>	
CT-08 & Teni 004:	
<b>G.</b>	Repair, painted and plaster CMU wall of 6 ft. wide x 12 ft. high has, 18 FT long, of hairlines cracks (9 ft. + 9 ft.) damages in wall both sides.
<b>1.008:</b>	
Teni 004:	
<b>H.</b>	Repair, painted and plaster CMU wall of 15.5 ft. wide x 12 ft. high has, 22 FT long, of multiple vertical and horizontal hairlines cracks damages.
<b>1.009:</b>	
Reception:	
<b>I.</b>	Repair, painted and plaster CMU wall of 31 ft. wide x 12 ft. high has, 17.5 FT long, of total multiple directions hairlines cracks damages.
<b>1.010:</b>	
Teni 005:	
<b>J.</b>	Repair, painted and plaster CMU wall of 16 ft. wide x 12 ft. high has, 22 FT long, of multiple all directions hairlines cracks damages.
<b>1.011:</b>	
Teni 007:	
<b>K.</b>	Repair, painted and plaster CMU wall of 16.5 ft. wide x 12 ft. high has, 7 FT long, of hairlines cracks damages.

<b>1.012:</b>	
Teni 007:	
<b>L.</b>	Repair, painted and plaster CMU wall of 14.5 ft. wide x 12 ft. high has, 17 FT long, of hairlines cracks damages.
<b>1.013:</b>	
Hall:	
<b>M.</b>	Repair painted and plaster CMU wall of 23 ft. wide x 12 ft. high has, 9 FT long, of hairlines cracks damages.
<b>1.014:</b>	
Teni-003B interior hall:	
<b>N.</b>	Repair, painted and plaster CMU wall of 5 ft. wide x 12 ft. high has, 10 FT long, of total hairlines cracks damages.
<b>1.015:</b>	
Teni-003B:	
<b>O.</b>	Repair, painted and plaster RC beam of 24 ft. long x 2.5 ft. wide x 2.5 ft. high has, 4 FT long, of total hairlines cracks damage.
<b>Scope Notes:</b>	
<p><b>1. Damages included in both disasters (4339PR and 4473PR) as identified in document labeled: DR4473 vs DR4339 UPR Duplicity Comparison - [180573] EUPR Mayagüez 10 - Sport Facilities.pdf, were not considered in the cost estimate to avoid duplication of funds.</b></p> <p><b>2. For duplicity report analysis refer to document labeled: DR4473 vs DR4339 UPR Duplicity Comparison - [180573] EUPR Mayagüez 10 - Sport Facilities.pdf.</b></p>	

## j. PW 00280 - UPR MAYAGÜEZ

### i. LOCATION PLAN



### ii. DESCRIPTION

The Civil Engineering Building is composed of administrative offices, classrooms and laboratories. It holds about 950 students and 75 others. The facility has an approximately footprint of 36,500 SF. It is constructed of reinforced concrete, CMU partition walls with a flat roof.

Location Description: PR-108 Mayagüez, PR 00682

GPS Latitude/Longitude: 18.21471, -67.13925

The Chemical Engineering Building is composed of several laboratories, classrooms and administrative offices. It holds about 800 students and 50 others. The facility has an approximately footprint of 25,700 SF. It is built of reinforced concrete columns and beams, CMU partition walls, with a flat roof.

Location Description: PR-108 Mayagüez, PR 00682

GPS Latitude/Longitude: 18.21494, -67.14024

The Nanostructure Characterization Center Building is composed of an administrative office, classrooms and laboratories. It holds about 15 students and

5 professors. The facility has an approximate footprint of 4,500 SF. It is built of a steel frame, CMU partition walls, and has a flat roof.

Location Description: PR-108 Mayagüez, PR 00682  
 GPS Latitude/Longitude: 18.21402, -67.13960

**iii. SCOPE OF WORK- FEMA**

**The Scope of Work includes, but it's not limited to:**

<b>DI 407370 - UPR - Mayagüez Campus- Civil Engineering</b>	
<b>PA Works</b>	
<b>Second Level:</b>	
<b>Electronics Room:</b>	
<b>A.</b>	Repair in kind 5 FT of horizontal crack in both sides of CMU Wall, 4 FT long x 9.5 FT high.
<b>406 HMP Scope</b>	
Second Level - Electronics Room:	
a.1, a.3) Add 10.78 SY of Liquid bonding agent for stucco/plastering, to enhance the performance and bonding of the concrete mix for plastering. [Total: 8.444 + 2.334 = 10.778 SY]	
a.2) Add 0.18 CY of Concrete fiber additive, to increases the resistance to tension in column.	

<b>DI 407374 - UPR - Mayagüez Campus- Chemical Engineering Building</b>	
<b>PA Works</b>	
<b>First Level:</b>	
<b>Room IQ01-M:</b>	
<b>A.</b>	Repair 15 FT of vertical crack in both sides at CMU Wall (west wall), 36 FT long x 6 FT high.
<b>B.</b>	Repair 6 FT vertical crack in both sides at CMU Wall (east wall), 18 FT long x 6 FT high.
<b>Room IQ04:</b>	
<b>C.</b>	Repair 6 FT of vertical crack in both sides at CMU Wall (west wall), 12 FT long x 6 FT high.
<b>Room IQ06-B:</b>	
<b>D.</b>	Repair 10 FT of vertical crack in both sides at CMU Wall (west wall), 15 FT long x 2.5 FT high.
<b>Room IQ101-A:</b>	
<b>E.</b>	Repair 10 FT of vertical crack in both sides at CMU Wall (south wall), 3.75 FT long x 17.5 FT high.
<b>Room IQ101-A-1:</b>	

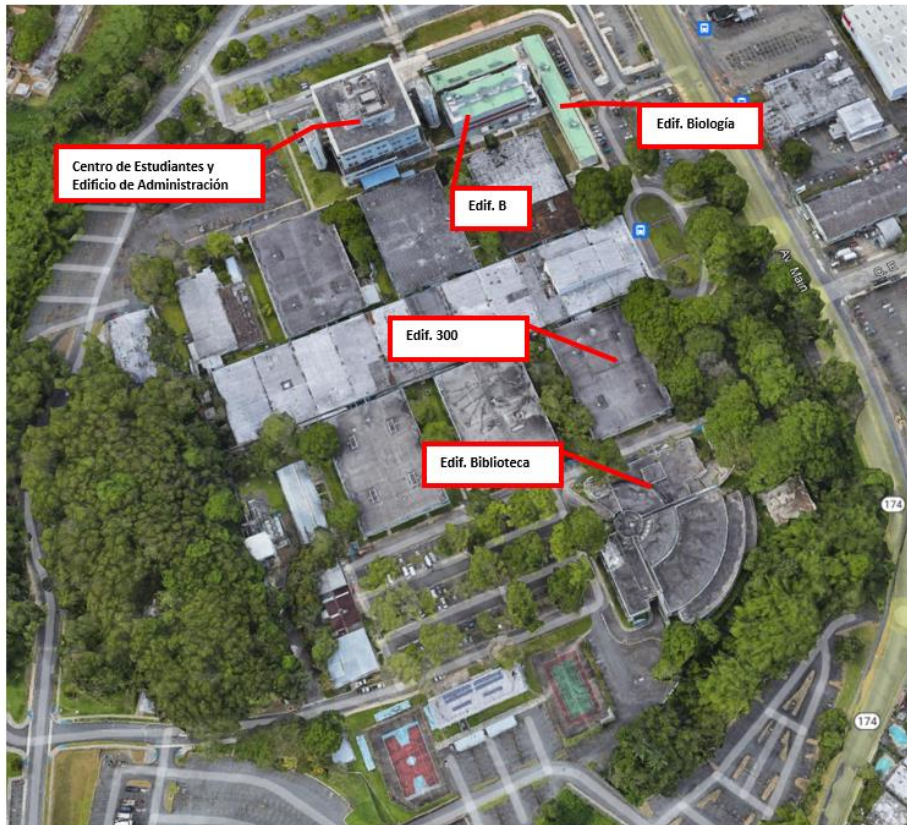
<b>F.</b>	Repair 5 FT of crack in both sides at CMU Wall (south wall), 5 FT long x 17.5 FT high.
<b>Room IQ101-G:</b>	
<b>G.</b>	Repair 20 FT diagonal crack in both sides at CMU Wall (north wall), 13 FT long x 9.5 FT high.
<b>H.</b>	Repair 9.5 FT of vertical crack in both sides of CMU Wall (south wall), 13 FT long x 9.5 FT high.
<b>Room IQ101-H:</b>	
<b>I.</b>	Repair 7 FT of vertical crack in both sides of CMU Wall (west wall), 11 FT long x 8 FT high.
<b>Room IQ101-L:</b>	
<b>J.</b>	Repair 7 FT of vertical crack in both sides of CMU Wall (west wall), 5 FT long x 7 FT high.
<b>Room IQ103-F/Stairwell:</b>	
<b>K.</b>	Repair 17 FT of vertical crack in both sides of CMU Wall (west wall), 18.5 FT long x 17.5 FT high.
<b>Second Level:</b>	
<b>Between Second Level and Third Level:</b>	
<b>L.</b>	Repair 35 FT of 1.5 IN expansion Joint on one side of the ceiling.
<b>Stairwell:</b>	
<b>M.</b>	Repair 1.5 FT of vertical crack in both sides of CMU Wall (east wall), 2.5 FT long x 8.5 FT high.
<b>406 HMP Scope</b>	
First Level:	
Room IQ01-M & Room IQ103-F/Stairwell:	
a, f.2) Add 1.222 CY of Concrete fiber additive, to increases the resistance to tension in wall. [Total: 0.511 + 0.711 = 1.222 CY]	
Room IQ06-B, Room IQ101-A, Room IQ101-G, Room IQ101-L, Room IQ103-F/Stairwell:	
b, c, d, e, f.1, f.3) Add 126.59 SY of Liquid bonding agent for stucco/plastering, to enhance the performance and bonding of the concrete mix for plastering. [Total: 1.11 + 14.58 + 27.44 + 3.11 + 80.34 = 126.59 SY]	

<b>DI 407381 - UPR - Mayagüez Campus- Nanostructure Characterization Center</b>	
<b>PA Works</b>	
<b>Reception:</b>	
<b>A.</b>	Repair in kind 9 FT of vertical crack in both sides of CMU Transom (west side), 5 FT long x 3 FT high.
<b>Room CNC-1:</b>	
<b>B.</b>	Repair in kind 4 FT of vertical crack in both sides of CMU Wall (south side), 14 FT long x 10 FT high.
<b>Room CNC-3:</b>	
<b>C.</b>	Repair in kind 10 FT of vertical crack in both sides of CMU Wall (west side), 13.5 FT long x 10 FT high.
<b>West Entrance/Loading and Unloading Area:</b>	

<b>D.</b>	Repair in kind 9 FT of vertical crack in both sides of CMU Transom (west side), 6 FT long x 3 FT high
<b>406 HMP Scope</b>	
a, b, c) Add 21.33 SY of Liquid bonding agent for stucco/plastering, to enhance the performance and bonding of the concrete mix for plastering. [Total: 1.78 + 15.56 + 4 = 21.33 SY]	

**k. PW 00415 - UPR MAYAGÜEZ**

**i. LOCATION PLAN**



**ii. DESCRIPTION**

1. UPR - Mayagüez Campus - Lucchetti

The building is a 2-story facility with a basement. It is a concrete beam and columns with CMU walls. The footprint is 16408 sq ft. Build in 1950.  
**GPS Latitude/Longitude:** 18.20865, -67.13995

2. UPR - Mayagüez Campus - Medical Services



The University of Puerto Rico, Mayagüez Campus is a public university in Mayagüez and is the second-largest campus of the University of Puerto Rico system. The campus that was in use at the time of the event has a population composed of approximately 12,500 students and 1,800 between education and staff members. The Medical Services Building is a 2-level structure with basement which structural system consists of reinforced concrete columns and beams. Building envelopes have painted masonry walls, metal and glass windows and doors. The building has an approximately footprint of 6,400 square feet.

3. UPR - Mayagüez Campus - Luis Stefani (College of Engineering)

Luis Stefani Building is the main engineering building. The main building has three floors, and the tower has six. It is a reinforced concrete structure built in 1958 and comprises classrooms, laboratories, restrooms, faculty offices among other areas. The building has an approximate footprint of 73,715 square feet. Build in 1958. **GPS Latitude/Longitude:** 18.20961, -67.14007

4. UPR - Mayagüez Campus - General Library

The RUM General Library is the main library for the University of Puerto Rico at Mayagüez. It consists of a main library and a specialized collection. The building has three floors and an approximate footprint of 53,475 square feet. Build in 1970. **GPS Latitude/Longitude:** 18.21114, -67.14175

5. UPR - Mayagüez Campus - Chardón

The Carlos Chardón Building is a concrete six-story structure built in 1954. The building comprises administrative offices, classrooms, laboratories, amphitheaters, and art exhibition hall used mainly by the English, Hispanic Studies, Humanities and Social Sciences Departments. Build in 1954. **GPS Latitude/Longitude:** 18.21049, -67.14030

iii. SCOPE OF WORK- FEMA

**The Scope of Work includes, but it's not limited to:**

<b>DI 407350 - UPR - Mayagüez Campus - Lucchetti</b>	
<b>PA Works</b>	
<b>C 01 Rm L-100A East Wall:</b>	
1	Repair and Paint in kind 16 IN long plaster hairline crack at Interior CMU Wall (11ft X 7ft)
<b>C 02 Rm L-123 East Wall:</b>	
1	Repair and Paint in kind 15 LF long plaster hairline crack at Interior CMU Wall (15ft X 9ft).
<b>C 03 Rm L-204 2nd floor North Wall:</b>	
1	Repair and Paint in kind 1 FT long plaster hairline crack at Interior CMU Wall (9ft X 8ft).
<b>C 04 Entire 2nd Floor Ceiling/Roof:</b>	
1	Replace and Paint in kind 3,750 SF of Spalling in concrete portion of roof (glass block mounted into reinforced concrete.
<b>C 05 Rm L 240 and Hallway 2 Places about 15 feet apart.:</b>	
1	Repair in kind 1 each of Interior Leaking Roof.

<b>DI 407351 - UPR - Mayagüez Campus - Medical Services</b>	
<b>PA Works</b>	
<b>0.001: Basement Stairs:</b>	
1	Repair and Paint in kind 88.5 LF of multiple all direction plaster cracks at Interior, 885 SF of wall.
<b>1.002: Room 112:</b>	
1	Repair and Paint in kind 10.5 FT long plaster crack damage at joint with adjacent wall at CMU wall of 7.25 ft. wide x 10.5 ft. high.
<b>1.003: Room 112:</b>	
1	Remove and replace in kind 12 SF of a ceramic wall tile (4.25 in. x 4.25 in.) in a ceramic wall of 7.25 ft. wide x 6 ft. high.
<b>1.004: Hall Emergency Exit:</b>	
1	Repair and Paint in kind 3.5 FT long plaster crack damage at Interior CMU wall of 8 ft. wide x 9.5 ft. high.
<b>1.005: Room 110:</b>	
1	Repair and Paint in kind 23.5 FT long plaster crack at Interior, 2 painted and plaster CMU wall of (21 ft. + 14.75 ft. wide) x 9.5 ft. high.
<b>1.006: Storage Room 107:</b>	
1	Repair and Paint in kind 35 each of vertical and diagonal plaster cracks at Interior, 190 SF CMU wall of, 20 FT wide x 9.5 FT high.
<b>1.007: Room 106 Dental Office:</b>	

1	Repair and Paint in kind 21 FT long of total plaster cracks at Interior, 2 each of CMU wall of (21 ft. + 15 ft. wide) x 9.5 ft. high.
<b>1.008: Waiting Area:</b>	
1	Repair and Paint in kind 9.5 FT long, plaster crack at Interior CMU wall of 20.33 ft. wide x 9.5 ft. high.
<b>1.009: Room 103 Laboratory:</b>	
1	Repair and Paint 28 FT long of plaster cracks at Interior, 2 painted and plaster CMU wall of (21 ft. + 27 ft. wide) x 9.5 ft. high.
<b>1.010: Room 102 Gynecology Office:</b>	
1	Repair and Paint 14 long of plaster crack at Interior CMU wall of 6.25 ft. wide x 9.5 ft. high.
<b>1.011: Room 102 A:</b>	
1	Repair in kind 35 FT long of plaster cracks at Interior CMU wall of 14 ft. wide x 9.5 ft. high.
<b>1.012: Office 101 B:</b>	
1	Repair and Paint in kind 57.5 FT long of plaster cracks at Interior, 2 CMU wall of (17 ft. + 14 ft. wide) x 9.5 ft. high.
<b>2.001: Office 207:</b>	
1	Repair and Paint in kind 7 FT long of plaster crack at Interior CMU wall of 7.67 ft. wide x 9.5 ft. high.
<b>2.002: Office 206:</b>	
1	Repair and Paint in kind 14 FT long of plaster cracks at Interior CMU wall of 8.33 ft. wide x 9.5 ft. high.
<b>2.003: Office 203:</b>	
1	Repair and Paint in kind 14 FT long of plaster cracks at Interior CMU wall of 8.5 ft. wide x 9.5 ft. high.
<b>2.004: Office 201C:</b>	
1	Repair and Paint in kind 14 FT long of plaster cracks at Interior CMU wall of 21.25 ft. wide x 9.5 ft. high.
<b>2.005: Office 211:</b>	
1	Repair and Paint in kind 14 FT long of plaster cracks at Interior CMU wall of 19.5 ft. wide x 9.5 ft. high.

<b>DI 407353 - UPR - Mayagüez Campus - Luis Stefani (College of Engineering)</b>	
<b>PA Works</b>	
<b>FIFTH AND SIXTH FLOOR</b>	
<b>STEFANI TOWER HALLWAY:</b>	
1	Repair and Paint in kind 15 FT of vertical crack in the joint with perpendicular wall at 2 each of Interior 41.25 SF of Concrete masonry wall in the south side.
<b>FIFTH, SIXTH AND SEVENTH FLOOR:</b>	

<b>STEFANI TOWER HALLWAY:</b>	
1	Repair in kind 3 each of Interior 9 ft. long expansion joint between stairs and hallway in the east side of the tower. The joint gap is 1.25 inches.
<b>FIRST FLOOR:</b>	
<b>CLASSROOM 105F3:</b>	
1	Repair in kind 24 FT long diagonal crack at Interior, 288 SF of Concrete masonry partition walls in the west side, 24 FT wide x 12 FT high.
<b>CLASSROOM 107-MAINTENANCE ROOM:</b>	
1	Prepare and Paint in kind 1 each of Interior 17.35 CF of Concrete beam in the east side, 11.25 FT long x 1.16 FT wide x 1.33 FT deep.
2	Repair and Paint in kind 24 FT oc diagonal crack at Interior, 288 SF of Concrete masonry partition walls in the north side, 24 FT wide x 12 FT high.
<b>CLASSROOM S105F:</b>	
1	Repair and Paint in kind 4 FT horizontal/diagonal plaster crack about the door frame at Interior, 99.68 SF of Concrete masonry partition wall, 7.25 FT wide x 13.75 FT.
<b>CLASSROOM S105G:</b>	
1	Repair in kind 15.5 FT long diagonal crack visible at both sides of the wall at Interior, 151.25 SF of Concrete masonry partition wall, 11 FT wide x 13.75 FT high.
<b>FIRST TO THIRD FLOOR:</b>	
<b>EXTERIOR FACADE:</b>	
1	Repair in kind 81 FT long Joint between wings north and west at wall and floor. The 81 ft. which include 30 ft. x 2 faces of building plus 7 ft. in the floor of the hallways x 3 floor.
<b>406 HMP Scope, DI 407353</b>	
1	In order to prevent or significantly reduce future damage from similar event (earthquake) add, for the cracks in plaster, 84 square yards of a concrete admixture to the mortar mix enhance the performance and bonding of the concrete mix for plastering.

<b>DI 407362 - UPR - Mayagüez Campus - General Library</b>
<b>PA Works</b>
<b>Building Damage:</b>
<b>AUDIOVISUAL AREA:</b>

1	Repair and Paint in kind 944 SF of multiple hairline cracks at interior Concrete wall in the east side, 59 FT wide x 16 FT high.
2	Repair and Paint in kind 1,775 SF of multiple hairline cracks at interior Concrete wall in the north side, 100 FT wide x 17.75 FT high.
3	Repair and Paint in kind 2 each of 364.5 SF of multiple hairline cracks at interior Concrete wall in the west side, 40.5 FT wide x 9 FT high. (Crack at both side of the wall).
4	Repair and Paint in kind 1 each of beam surface plaster with multiples hairline cracks along the entire length of the beam at interior 64.96 CF of Concrete beam in the west side, 56 FT long x 0.58 FT wide x 2 FT deep.
5	Repair and Paint in kind 8 FT long vertical crack at Interior, 64 SF of Concrete walls in the south side, 4 FT wide x 16 FT high.
<b>AUDIOVISUAL AREA &amp; CLASSROOM A, B, C:</b>	
1	Repair and Paint in kind 1 each of beam surface plaster with multiples hairline cracks along the entire length of the beam at interior 28.87 CF of Concrete beams in the north side, 8.25 FT long x 1.75 FT wide x 2 FT deep.
<b>CIRCULATION AREA:</b>	
1	Repair in kind 10 FT long joint at Interior wall/ceiling joint.
2	Repair in kind 8 each anchors bolt of Metal tracks for books racks to concrete columns. (As per SIR, one bolt per column)
<b>CLASSROOM A, B, C:</b>	
1	Repair and Paint in kind 616 SF with multiples hairline cracks at plaster of interior Concrete wall in the east side, 44 FT wide x 14 FT high.
2	Repair and Paint in kind 444.5 SF with multiples hairline cracks at plaster of interior Concrete wall in the north side, 31.75 FT wide x 14 FT high.
<b>CLASSROOM A, B, C (FRONT OF INDIVIDUAL ROOMS):</b>	
1	Repair and Paint in kind 546 SF with multiples hairline cracks at plaster of interior Concrete wall in the north side, 565 FT wide x 9.75 FT high.
<b>CLASSROOM B:</b>	
1	Repair and Paint in kind 290 SF with multiples hairline cracks at plaster of interior Concrete wall in the west side, 29 FT wide x 10 FT high.
2	Repair and Paint in kind 200 SF with multiples hairline cracks at plaster of interior Concrete wall in the south side, 20 FT wide x 10 FT high.
<b>COMPUTER STATION AREA - (CRE B-115):</b>	
1	Repair and Paint in kind 21 FT of plaster vertical hairline cracks at Interior, 106.56 SF of Concrete wall in the west side, 6.66 FT wide x 16 FT high.
<b>COMPUTER STATION AREA - (CRE B-116):</b>	
1	Repair and Paint in kind 16 FT long vertical crack/separation joint with adjacent wall at interior, 272 SF of Concrete walls in the east side, 17 FT wide x 16 FT high.
2	Repair and Paint in kind 1 each of beam surface plaster hairline crack at Interior, 36.9 CF of Concrete beam in the center of the room, 20.5 FT long x 0.8 FT wide x 2.25 FT deep.
3	Repair and Paint in kind 1 each of fascia plaster hairline crack along entire surface at Interior, 21.6 CF of Concrete fascia near the emergency exit, 12 FT long x 0.8 FT wide x 2.25 FT deep.
4	Repair and Paint in kind 1 each of beam surface plaster hairline crack at Interior, 36.9 CF of Concrete beam in south side, 20.5 FT long x 0.8 FT wide x 2.25 FT deep

<b>AUDIOVISUAL AREA &amp; CLASSROOM A, B, C:</b>	
1	Repair and Paint in kind 1 each of beam surface plaster with multiples hairline cracks along the entire length of the beam at interior 28.87 CF of Concrete beams in the north side, 8.25 FT long x 1.75 FT wide x 2 FT deep.
<b>CIRCULATION AREA:</b>	
1	Repair in kind 10 FT long joint at Interior wall/ceiling joint.
2	Repair in kind 8 each anchors bolt of Metal tracks for books racks to concrete columns. (as per SIR, one bolt per column)
<b>CLASSROOM A, B, C:</b>	
1	Repair and Paint in kind 616 SF with multiples hairline cracks at plaster of interior Concrete wall in the east side, 44 FT wide x 14 FT high.
2	Repair and Paint in kind 444.5 SF with multiples hairline cracks at plaster of interior Concrete wall in the north side, 31.75 FT wide x 14 FT high.
<b>CLASSROOM A, B, C (FRONT OF INDIVIDUAL ROOMS):</b>	
1	Repair and Paint in kind 546 SF with multiples hairline cracks at plaster of interior Concrete wall in the north side, 565 FT wide x 9.75 FT high.
<b>CLASSROOM B:</b>	
1	Repair and Paint in kind 290 SF with multiples hairline cracks at plaster of interior Concrete wall in the west side, 29 FT wide x 10 FT high.
2	Repair and Paint in kind 200 SF with multiples hairline cracks at plaster of interior Concrete wall in the south side, 20 FT wide x 10 FT high.
<b>COMPUTER STATION AREA - (CRE B-115):</b>	
1	Repair and Paint in kind 21 FT of plaster vertical hairline cracks at Interior, 106.56 SF of Concrete wall in the west side, 6.66 FT wide x 16 FT high.
<b>COMPUTER STATION AREA - (CRE B-116):</b>	
1	Repair and Paint in kind 16 FT long vertical crack/separation joint with adjacent wall at interior, 272 SF of Concrete walls in the east side, 17 FT wide x 16 FT high.
2	Repair and Paint in kind 1 each of beam surface plaster hairline crack at Interior, 36.9 CF of Concrete beam in the center of the room, 20.5 FT long x 0.8 FT wide x 2.25 FT deep.
3	Repair and Paint in kind 1 each of fascia plaster hairline crack along entire surface at Interior, 21.6 CF of Concrete fascia near the emergency exit, 12 FT long x 0.8 FT wide x 2.25 FT deep.
4	Repair and Paint in kind 1 each of beam surface plaster hairline crack at Interior, 36.9 CF of Concrete beam in south side, 20.5 FT long x 0.8 FT wide x 2.25 FT deep.
<b>EXTERIOR PATIO OF REFERENCE AREA:</b>	
1	Repair in kind 9.5 FT of joint separation from adjacent perpendicular wall at Exterior, 26.12 SF of Concrete wall in the north side, 2.75 FT wide x 9.5 FT high.
<b>INSTRUCTION CLASSROOM II - MEZZANINE:</b>	
1	Repair and Paint in kind 12.5 FT of plaster vertical hairline cracks at Interior, 354 SF of Concrete walls in the west side, 44.25 FT wide x 8 FT high.
2	Repair and Paint in kind 5 FT long plaster hairline crack at Interior, 9 SF of Concrete roof section, 3 FT long x 3 FT wide.
3	Repair and Paint in kind 332.5 SF of plaster with multiple hairlines crack at interior Concrete wall in the north side, 38 FT wide x 8.75 FT high.
<b>JOURNAL SHELVES - B200:</b>	

1	Repair and Paint in kind 6 FT long horizontal crack at Interior, 54 SF of Concrete walls in the west side, 6.75 FT wide x 8 FT high.
<b>REFERENCE AREA:</b>	
1	Repair and Paint in kind 6 FT long vertical crack at Interior, 81.12 SF of Concrete wall in the north-east corner, 2.75 FT wide x 29.5 FT high.
<b>REFERENCE INTERIOR AREA:</b>	
1	Repair and Paint in kind 2 each of 644.87 SF of plaster with hairline cracks at Interior Concrete wall in the north side, 38.5 FT wide x 16.75 FT high. (Cracks at the two sides of the wall)
2	Repair and Paint in kind 16.75 FT long vertical crack at Interior, 142.37 SF of Concrete wall in the west side, 8.5 FT wide x 16.75 FT high.
<b>REFERENCE INTERIOR AREA - B-104:</b>	
1	Repair and Paint in kind 21.75 FT long vertical and diagonal crack at Interior, 265.15 SF of Concrete wall in the north side, 15.83 FT wide x 16.75 FT high.
<b>RESEARCH AREA (BOOK COLLETION AREA B-307B):</b>	
1	Repair and Paint in kind 6 FT long horizontal crack over wood door at Interior, 98.3 SF of Concrete wall in the north side, 9.83 FT wide x 10 FT high.
<b>RESEARCH AREA (BOOK COLLETION AREA):</b>	
1	Repair and Paint in kind 10 FT long vertical crack at Interior, 470 SF of Concrete walls in the west side, 47 FT wide x 10 FT high.
<b>RESEARCH AREA (KITCHEN B-307A):</b>	
1	Repair and Paint in kind 5 FT long vertical hairline crack in the corner of the wall at Interior, 80 SF of Concrete walls in the south side, 10 FT wide x 8 FT high.
<b>RESEARCH AREA (STUDY AREA):</b>	
1	Repair and Paint in kind 9 FT long vertical and horizontal crack at Interior, 45 SF of Concrete walls in the south side, 3 FT wide x 15 FT high.
2	Repair and Paint in kind 17 LF long of vertical crack at Interior, 430 SF of Concrete walls in the east side, 43 FT wide x 10 FT high.
<b>RESEARCH AREA (WORK AREA):</b>	
1	Repair and Paint in kind 20 LF long vertical hairline crack at Interior, 150 SF of Concrete walls in the north side, 15 FT wide x 10 FT high.
<b>STUDY AREA - B117:</b>	
1	Repair and Paint in kind 34 LF vertical crack at Interior, 697 SF of Concrete wall in the west side, 41 FT wide x 17 FT high.
<b>STUDY CRE AREA - B115 (EXIT AREA):</b>	
1	Repair and Paint in kind 210 SF of plaster with multiples hairline cracks at Interior Concrete wall and fascia in the south side, 21 FT wide x 10 FT high.
<b>TECHNICAL PROCESS AREA:</b>	
1	Repair and Paint in kind 333.25 SF of plaster with multiple hairline cracks at Concrete wall in the west side, 43 FT wide x 7.75 FT high.
<b>TECHNICAL PROCESS AREA (EXIT RAMP):</b>	
1	Repair and Paint in kind 23.25 LF long vertical hairline crack at Interior, 285 SF of Concrete walls in the south side, 28.5 FT wide x 10 FT high.
<b>406 HMP Scope, DI 407362</b>	
1	In order to prevent or significantly reduce future damage from similar event (earthquake) add, for the cracks in plaster, 670 square yards of a concrete admixture

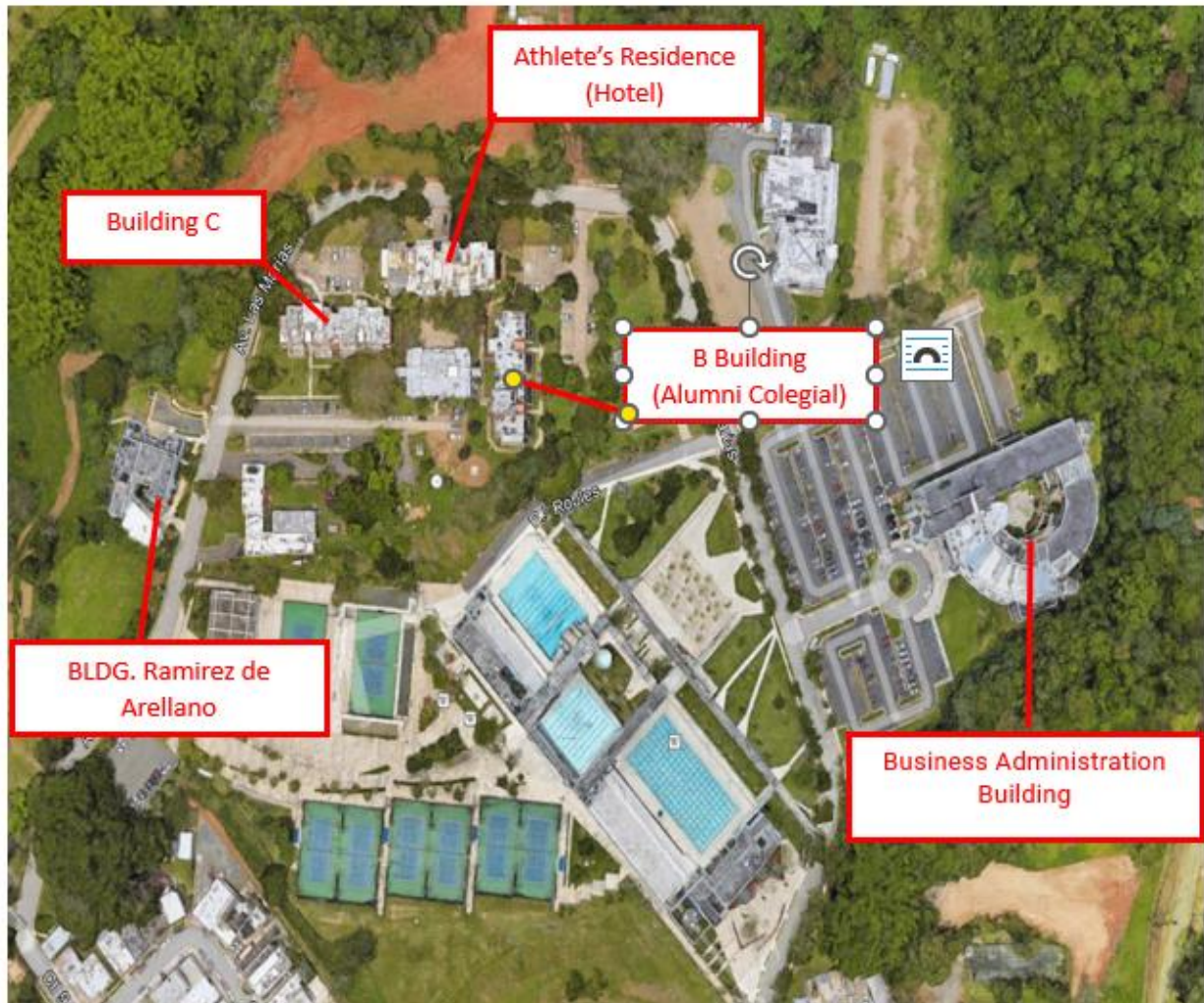
	to the mortar mix enhance the performance and bonding of the concrete mix for plastering.
--	---

<b>DI 407365 - UPR - Mayagüez Campus - Chardón</b>	
<b>PA Works</b>	
<b>FIRST FLOOR</b>	
<b>HISPANIC STUDIES CLASSROOM (CH-126):</b>	
1	Repair and Paint in kind 2 FT long longitudinal crack at west corner of the beam at Interior, 48.75 CF of Concrete Beam in the north side, 19.5 FT long x 2.5 FT wide x 1 FT deep.
<b>THIRD FLOOR:</b>	
<b>ENGLISH LAB (CH-325):</b>	
1	Repair in kind 1,193.12 SF of Roof consisting of concrete beams and red clay block. The damage also affects the suspended acoustical ceiling. The roof is 41.5 FT long x 28.75 FT wide.
<b>HALLWAY CONNECTION STAGES 1 AND 2:</b>	
1	Repair in kind 13.16 FT of joint between a portion of roof slab at 17.86 CF of Concrete roof slab, 9.33 FT long x 3.83 FT wide x 0.5 FT deep



## I. PW 00288 - UPR MAYAGÜEZ

### i. LOCATION PLAN



### ii. DESCRIPTION

During the incident period of December 28, 2019 through July 3, 2020 with the earthquake DR4473, EUPR - Mayagüez 13 - Business Administration, Athletes' Residence, B & C building, Arellano has reflected damages in several areas caused by the earthquake at building interior & exterior painted plaster walls / column and ceiling cracks.

The University of Puerto Rico, Mayagüez Campus is a public university in Mayagüez and is the second-largest campus of the University of Puerto Rico system. The campus that was in use at the time of the event has a population composed of approximately 12,500 students and 1,800

between education and staff members. The Business Administration Department Building is a 4-level structure with basement which structural system apparently consists of reinforced concrete columns and beams. Building envelope has painted masonry walls, metal and glass windows and doors. The building has an approximately footprint of 52,000 square feet.

Approx. Year Built: 2005

Location Description: 259 Boulevard Alfonso Valdes Cobian Mayagüez PR 00682

GPS Latitude/Longitude: 18.21727, -67.14216

The University of Puerto Rico, Mayagüez Campus is a public university in Mayagüez and is the second-largest campus of the University of Puerto Rico system. The campus that was in use at the time of the event has a population composed of approximately 12,500 students and 1,800 between education and staff members. The Athletes Residence Hotel is a 8-level building with approximately 98 rooms, which structural system apparently consists of reinforced concrete columns, walls and beams. Building envelopes have painted masonry walls, metal and glass windows and doors. The building has an approximately footprint of 6,000 square feet.

Year Built: 1973

Location Description: 259 Boulevard Alfonso Valdes Cobian Mayagüez PR 00682

GPS Latitude/Longitude: 18.21791, -67.14478

The University of Puerto Rico Mayagüez "Building C" consists of Administration Offices throughout the facility. The building structure is a former university athletic dormitory and is a 4-story reinforced concrete and concrete brick structure with a plaster facade and flat roof deck. The design of the facility has a center hallway that runs longitudinal throughout the length of the building with internal stairwells located both east and west of the building.

Approx. Year Built: 1980

Location Description: UPR Mayagüez Campus Building C/ PR - 108, Mayagüez, Puerto Rico 00680

GPS Latitude/Longitude: 18.21772, -67.14519

The University of Puerto Rico Mayagüez "Science and Technology Building" consists of Administration Offices throughout the facility and Laboratories. The building structure is a former 2-story reinforced concrete and concrete brick structure with a plaster facade and flat roof deck with a dimension of 122 FT L x 89 FT W.

Year Built: 2008

Location Description: : UPR Mayagüez Campus Building B/ PR - 108, Mayagüez, Puerto Rico 00680

GPS Latitude/Longitude: 18.21708, -67.14586

The University of Puerto Rico Mayagüez "Building B" consists of Administration Offices throughout the facility. The building structure is a former university athletic dormitory and is a 4-story reinforced concrete and concrete brick structure with a plaster facade and flat roof deck. The design of the facility has a center hallway that runs longitudinal throughout the length of the building with internal stairwells located both north and south of the building.

Approx. Year Built: 1980

Location Description: UPR Mayagüez Campus Building B/ PR - 108, Mayagüez, Puerto Rico 00680

GPS Latitude/Longitude: 18.21758, -67.14444

### iii. SCOPE OF WORK- FEMA

The Scope of Work includes, but it's not limited to:

<b>DI 407357 - UPR - Mayagüez Campus - Business Administration</b>	
<b>PA Works</b>	
<b>D.001</b>	
<b>First Level AE-112:</b>	
A	Repair plaster and paint Reinforced Concrete Column of, 13 FT long x 2 FT in diameter. Refer to scope note 1.
<b>D.002:</b>	
<b>Second Level ADEM 212 entrances:</b>	
A	Repair 2 painted and plastered CMU wall of 3 ft. wide x 9 ft. high, 13 FT long crack
<b>D.003:</b>	
<b>Basement Central Patio:</b>	
A	Repair CMU wall of 17 ft. wide x 22 ft. high has, 27 FT long, of a diagonal crack
<b>D.004</b>	
<b>First Level Hall:</b>	
A	Repair reinforced concrete floor sections of 18 ft. long x 9.5 ft. wide has a, 18 FT long crack
<b>D.005:</b>	
<b>Faculty Lounge Terrace AE-146:</b>	
A	Repair 5.75 SF of a painted and plaster reinforced concrete parapet wall of, 7 FT wide x 4.25 FT high.
<b>D.006:</b>	
<b>Faculty Lounge Terrace AE-146:</b>	

A	Repair painted and plastered reinforced concrete parapet wall of 16 ft. wide x 7 ft. high has a, 12.5 FT long vertical crack.
Scope notes:	
1) The concrete column repair will have as Incidental repair the removal and replacement of the vinyl base.	
2) Applicant has provided small DI project cost certification; costs have been added as applicant has certified them. Refer to 180595_TO 0371_Applicant Small DI 407357 Cost Self-Certification_2021-05-27_MOP.pdf	
3) Applicant agreed to not include the cost to paint and surface preparation of the walls after crack repairs, since the applicant received funding for interior and exterior paint in project 91141 (Hurricane Maria) Damage #155588. Refer to Refer to RFI# RFI-PRJ-52607, line item 129283 and DR4473PR - Project 180595 - RFI-PRJ-52607 - Answer to questions related with UPRM building's damages.pdf	
<b>406 HMP Scope:</b>	
DI# 407357; UPR - Mayagüez Campus - Business Administration	
In accordance with the Advisory Base Flood Elevation (ABFE) map and the current effective Flood Insurance Rate Map (FIRM), this building is located in Zone X. To prevent or reduce damages in future similar events, the following mitigation measures have been proposed:	
1. Include 3.31 SY of concrete admixture, similar to Crossco Acryl-B-60 A, to enhance the performance and bonding of the concrete mix for plastering.	

<b>DI 407361 - UPR - Mayagüez Campus - Athlete's Residence (Hotel)</b>	
<b>PA Works</b>	
A	No Work for this DI.

<b>DI 407382 - UPR - Mayagüez Campus - C Building</b>	
<b>PA Works</b>	
<b>Building C - Interior 1st Floor:</b>	
A	Repair 81 LF Long of ¼" wide cracks in wall.
B	Repair 18 LF Long of ¼" wide cracks in wall.
<b>Building C - Interior 2nd Floor:</b>	
A	Repair 9 LF Long of ¼" wide cracks in wall.
<b>Building C - Interior 3rd Floor:</b>	
B	Repair 3 LF long of ¼" wide cracks in concrete floor surface
<b>Building C - Interior 4th Floor:</b>	

A	Repair 20 SF of Interior wall surface plaster.
B	Repair 10 LF long of ¼" wide cracks in wall.
C	Repair 220 SF of Interior wall surface plaster.
D	Refer to scope note 1.
<b>Scope Notes</b>	
<p>1. Applicant indicated in RFI RFI# RFI-PRJ-52607 line item 129284, the 80 SF of Interior wall surface plaster, located at Building C Interior 4th Floor is pre-disaster. The item was not included in the scope or costed. Refer to and DR4473PR - Project 180595 - RFI-PRJ-52607 - Answer to questions related with UPRM building's damages.pdf</p> <p>2. Applicant has provided small DI project cost certification; costs have been added as applicant has certified them. Refer to 180595_TO 0371_Applicant Small DI 407382 Cost Self-Certification_2021-05-27_MOP.pdf</p>	
<b>406 HMP Scope</b>	
(I) Hazard Mitigation Proposal (HMP)	
<p>In accordance with the Advisory Base Flood Elevation (ABFE) map and the current effective Flood Insurance Rate Map (FIRM), this building is located in Zone X. To prevent or reduce damages in future similar events, the following mitigation measures have been proposed:</p> <p>1. Include 35.55 SY of concrete admixture, similar to Crossco Acryl-B-60 A, to enhance the performance and bonding of the concrete mix for plastering.</p>	

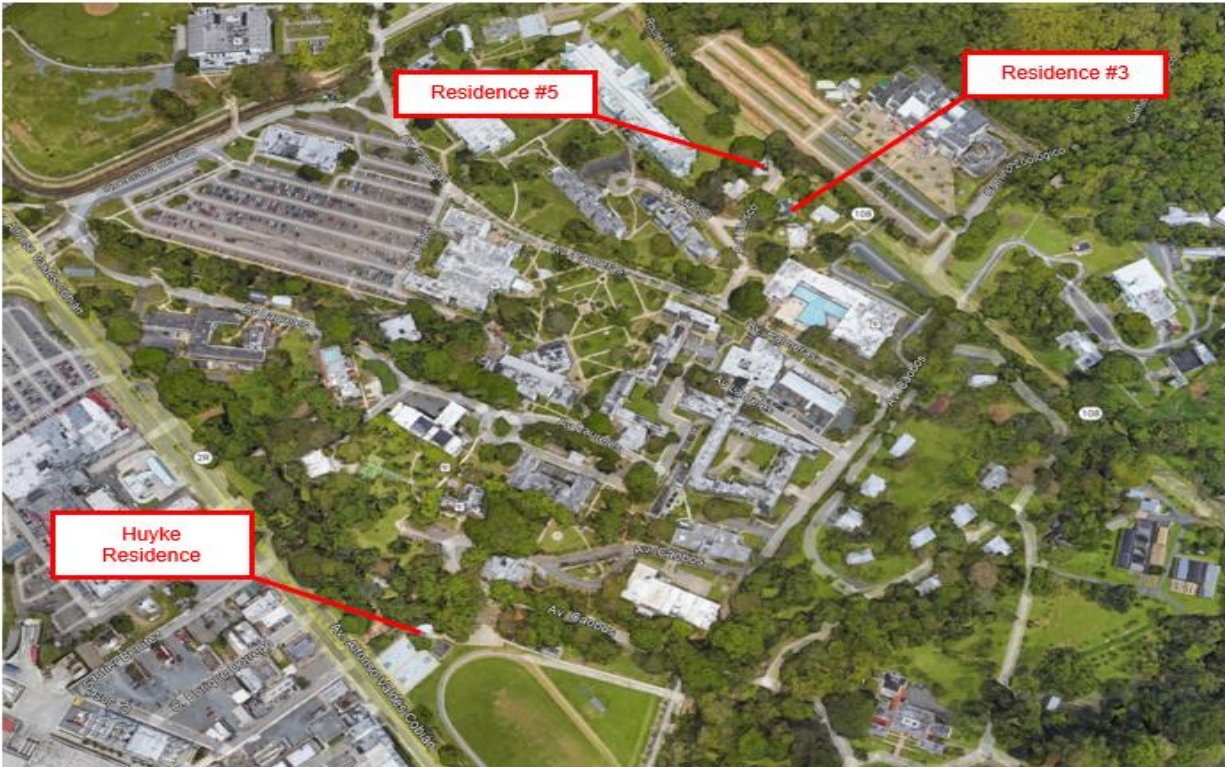
<b>DI 407390 - UPR - Mayagüez Campus - Ramirez de Arellano (Ciencias y Tecnología de Alimentos)</b>	
<b>PA Works</b>	
<b>Building Exterior:</b>	
<b>Back Wall:</b>	
<b>Center Side:</b>	
A	Repair 1/4 Inch wall surface hairline crack , 32 FT long, total wall surface area is 20 ft. High x 35 ft. Long.
<b>Building Exterior:</b>	
<b>Back Wall:</b>	
<b>East Side:</b>	
A	Repair 1/4 Inch wall surface hairline crack , 12 FT long, total wall surface area is 12 ft. High x 10 ft. Long.
<b>West Side:</b>	
A	Repair 1/2-inch expansion joint damage , 7 FT long
<b>Front Wall:</b>	
<b>East Side:</b>	

A	Repair 1/4-inch wall surface hairline crack, 10 FT long, total wall surface area is 12 ft. High x 10 ft. Long
<b>Building Interior:</b>	
<b>Second Floor</b>	
<b>East Side:</b>	
A	Repair 1/4 Inch wall surface hairline crack near the roof column, 22 IN long
Scope Notes	
<p>1. Applicant has provided small DI project cost certification; costs have been added as applicant has certified them. Refer to 180595_TO 0371_Applicant Small DI 407390 Cost Self-Certification_2021-05-27_MOP.pdf</p>	

<b>DI 407393 - UPR - Mayagüez Campus - B Building (Alumni Colegial)</b>	
<b>PA Works</b>	
<b>Building B - Exterior East Wall:</b>	
A	Repair 108 SF of exterior wall surface plaster.
B	Repair 10 SF of exterior wall surface plaster.
C	Repair 108 SF of exterior wall surface plaster.
Scope Notes	
<p>1. Applicant indicated in RFI RFI# RFI-PRJ-52607 line item 129285, the damages located at Building B Exterior South Wall are pre-disaster. The item was not included in the scope or costed. Refer to and DR4473PR - Project 180595 - RFI-PRJ-52607 - Answer to questions related with UPRM building's damages.pdf</p> <p>2. Applicant has provided small DI project cost certification; costs have been added as applicant has certified them. Refer to 180595_TO 0371_Applicant Small DI 407393 Cost Self-Certification_2021-05-27_MOP.pdf</p>	
<b>406 HMP Scope</b>	
<p>In accordance with the Advisory Base Flood Elevation (ABFE) map and the current effective Flood Insurance Rate Map (FIRM), this building is located in Zone X. To prevent or reduce damages in future similar events, the following mitigation measures have been proposed:</p> <p>1. Include 25.11 SY of concrete admixture, similar to Crossco Acryl-B-60 A, to enhance the performance and bonding of the concrete mix for plastering.</p>	

**m. PW 00542 - UPR MAYAGÜEZ**

**i. LOCATION PLAN**





## ii. DESCRIPTION

### 1. UPR Mayagüez - Huyke Residence

- The Huyke Residence Building is a 1-level structure which structural system (in my opinion) consists of reinforced concrete columns and beams with metal roof cover. Building envelopes have painted and plaster walls, metal windows and doors. The building has an approximately footprint of 1,124.50 square feet. Build in 1945. **GPS Latitude/Longitude:** 18.20819, -67.14159.

### 2. UPR Mayagüez - Residence #5

- Residence #5 is composed of sections R5A and R5B. It's a single-story building of reinforced concrete and CMU. The facility holds approximately 15 students /administrative workers. The facility has an approximate footprint of 2,229 SF. Build in 1947. **GPS Latitude/Longitude:** 18.21222, -67.13975.

### 3. UPR Mayagüez - Doctoral Programs Building

- The building is a 2-story reinforced concrete structure with a plaster facade and a flat roof deck. The ground floor is used



as a laboratory and first floor for storage. Build in 1990. **GPS Latitude/Longitude:** 18.21763, -67.14862.

**4. UPR Mayagüez - Residence #3**

- Residence #3 is composed of sections R3A and R3B. It's a single story building of reinforced concrete and CMU. The facility holds approximately 20 students and 25 administrative workers. The facility has an approximate footprint of 2,679 SF. Build in 1947. **GPS Latitude/Longitude:** 18.21188, -67.13953.

**iii. SCOPE OF WORK- FEMA**

**The Scope of Work includes, but it's not limited to:**

<b>DI 410551 - UPR - Mayagüez Campus - Huyke Residence</b>	
<b>PA Works</b>	
<b>1.001, Rear balcony:</b>	
<b>1</b>	Repair in kind, painted and plaster CMU wall of 15.5 ft. wide x 2.5 ft. high has a 5.5 FT long, of cracks.
<b>1.002, Storage:</b>	
<b>1</b>	Repair and paint in kind, painted and plaster CMU wall of 11.33 ft. wide x 11 ft. high has, 17.5 FT long, of multiple (11 ft. + 3 ft. + 3 ft. + 0.5 ft.) cracks damages.

<b>DI 407366 - UPR – Mayagüez Campus - Residence #5</b>	
<b>PA Works</b>	
<b>Residence # 5B, Office R5B-104:</b>	
<b>1</b>	Remove and replace in kind, 7 each of ceramic floor tiles of 12 IN wide x 12 IN long at main entrance, 12 IN long x 12 IN wide.
<b>2</b>	Repair and paint in kind, concrete wall of 6 FT long x 9.5 FT high at north side, 4 LF long, vertical crack next to door frame.
<b>3</b>	Repair and paint in kind, concrete partition wall of 10.5 FT long x 9.5 FT high at east side, 10.5 LF long, horizontal, and vertical cracks along the joint with ceiling and down from the corner.
<b>4</b>	Repair and paint in kind, concrete wall of 9 FT long x 9.5 FT high at south side, 9.5 LF long, vertical crack along the joint with the partition wall.
<b>Office R5B-107:</b>	
<b>1</b>	Concrete ceiling of 13 FT long x 9 FT wide in administrative office, 13 FT long x 1 FT wide, (13 SF) affected area by crack on ceiling allowing water infiltration.
<b>406 HMP Scope</b>	

<b>1</b>	Add 7 SF of Tile Membrane - anti-fracture. Consider adding an elastomeric membrane anti-fracture to prevent cracks from protruding up through your tile. Anti Fracture Membrane protects tiles from cracking due to the horizontal movement in the substrate (base floor). The membrane will allow the substrate to move independently from the tiled surface.
----------	--

<b>DI 407371 - UPR Mayagüez Campus - Doctoral Programs Building</b>	
<b>PA Works</b>	
<b>Building Exterior:</b>	
<b>1</b>	Repair and paint in kind, 1,976 SF of Exterior wall surface plaster damage on the west side of the building., 76 FT long x 26 FT wide, Multiple hairline cracks on the ground floor and first floor of the building exterior surface plaster. The total area of the west wall is 1976 square feet. The damage area of 593 SF is approximately 30% of the total area.
<b>2</b>	Repair and paint in kind, 580 SF of Exterior wall surface plaster, 29 FT long x 20 FT high, Multiple hairline cracks on the east wall on the ground floor and first floor of the building exterior surface plaster. Of the total area approximately 25% is damaged which is an area of 145 SF.
<b>Building Interior:</b>	
<b>1</b>	Repair and paint in kind, hairline cracks, 26 LF long. Hairline cracks on the east, west and south wall of the building on the first floor.
<b>2</b>	Repair and paint in kind, hairline cracks, 31 LF long. Hairline cracks in the ceiling of the first floor behind the drop ceiling.

<b>DI 410509 - UPR – Mayagüez Campus - Residence #3</b>	
<b>PA Works</b>	
<b>Residence #3, Between 3A and 3B:</b>	
<b>1</b>	Repair and paint in kind, reinforced concrete partition wall of 15.5 FT long x 10 FT high between both sections of the building, 15 LF long, diagonal crack visible on both sides of the wall affecting the whole wall.
<b>Residence #3A, exterior, front of lobby:</b>	
<b>1</b>	Repair and paint in kind, concrete wall of 14 FT long x 4 FT high, next to main entrance, 4 LF long, vertical crack from top to bottom on joint with the column.
<b>Lobby #1:</b>	
<b>1</b>	Repair in kind, 234 SF of concrete floor slab of 18 FT long x 13 FT wide at main entrance, 18 FT long x 13 FT wide, settlement of floor slab by the joint between tiles affecting the whole area.
<b>Lobby #2:</b>	
<b>1</b>	Repair in kind, 190 SF of concrete floor slab of 19 FT long x 10 FT wide, in front of music room, 19 FT long x 10 FT wide, settlement of floor slab by the joint between tiles affecting the whole area. Ten (10) ceramic floor tiles of 8" x 8" are detached.
<b>Restroom R3A-106:</b>	

1	Repair in kind, clay/concrete ceiling of 7 FT long x 4 FT wide, on restroom, 2 FT long x 2 FT wide, (4 SF) section of ceiling.
<b>Room R3A-102:</b>	
1	Repair and paint in kind, 36 SF of concrete wall of 9 FT long x 4 FT high, next to main entrance, 9 FT long x 4 FT high, mapping cracks affecting all area.
2	Repair and paint in kind, CMU partition wall of 13 FT long x 10 FT high, on west side, 7 FT long x 10 FT high, (70 SF) Area affected by diagonal crack visible on both sides.
<b>Residence #3B, Exterior, west wall:</b>	
1	Repair and paint in kind, concrete wall of 38 FT long x 10 FT high, on west side, 10 LF long, vertical crack from top to bottom caused by seismic movements.
<b>Exteriors:</b>	
1	Remove and replace in kind, concrete sidewalk of 18 FT long x 3.5 FT wide x 1 FT high at main entrance, 18 FT long x 3.5 FT wide x 1 FT high, settlement of about 6".
<b>Lobby:</b>	
1	Repair and paint in kind, CMU wall of 5 FT long x 3 FT high, on south side, 3 LF long, vertical crack from top to bottom on joint with the column.
2	Repair and paint in kind, reinforced concrete wall of 12.5 FT long x 10 FT high, on east side, 12.5 LF long, horizontal crack along all the walls.
<b>Office R3B-103:</b>	
1	Remove and replace in kind, 10 each of ceramic floor tiles of 8 IN wide x 8 IN long, inside office, 8 IN long x 8 IN wide.
<b>406 HMP Scope</b>	
<b>Lobby #1</b>	
1	Add 224 SF of Tile Membrane - anti-fracture. Consider adding an elastomeric membrane anti-fracture to prevent cracks from protruding up through your tile. Anti Fracture Membrane protects tiles from cracking due to the horizontal movement in the substrate (base floor). The membrane will allow the substrate to move independently from the tiled surface.
2	Add 26 SY of Concrete admixture - Consider adding a concrete admixture to the mortar mix such as Crossco Acryl-B-60 A or similar to enhance the performance and bonding of the concrete mix for plastering.
<b>Lobby #2</b>	
1	Add 10 SF of Tile Membrane - anti-fracture. Consider adding an elastomeric membrane anti-fracture to prevent cracks from protruding up through your tile. Anti Fracture Membrane protects tiles from cracking due to the horizontal movement in the substrate (base floor). The membrane will allow the substrate to move independently from the tiled surface.
2	Add 22 SY of Concrete admixture - Consider adding a concrete admixture to the mortar mix such as Crossco Acryl-B-60 A or similar to enhance the performance and bonding of the concrete mix for plastering.
<b>Restroom R3A-106</b>	
	Add 22 SY of Concrete admixture - Consider adding a concrete admixture to the mortar mix such as Crossco Acryl-B-60 A or similar to enhance the performance and bonding of the concrete mix for plastering.
<b>Office R3B-103:</b>	
	Add 10 SF of Tile Membrane - anti-fracture. Consider adding an elastomeric membrane anti-fracture to prevent cracks from protruding up through your tile. Anti Fracture Membrane protects tiles from cracking due to the horizontal movement in the substrate (base floor). The membrane will allow the substrate to move independently from the tiled surface

## **23. APPENDIX G**

### **PHOTOS**

**To see UPR MAYAGÜEZ, please [CLICK HERE](#)**

**To see UPR UTUADO, please [CLICK HERE](#)**

**To see UPR PONCE, please [CLICK HERE](#)**

**END OF DOCUMENT**