

DOT

FTA

U.S. Department of Transportation

Federal Transit Administration

Application

Federal Award Identification Number (FAIN)	PR-2019-022-01
Temporary Application Number	5489-2019-31
Application Name	Drydock of Isla Bonita Vessel-Autoridad de Transporte Maritimo (ATM Ferry Service)-Ferry Boat Program (FHWA)
Application Status	Final Concurrence / Reservation
Application Budget Number	0

Period of Performance Start Date	8/22/2019	
Original Period of Performance End Date	3/30/2024	
Current Period of Performance End Date	3/30/2024	Revision #: 0

Part 1: Recipient Information

Name: Highway & Transportation Authority, Puerto Rico

Recipient ID	Recipient OST Type	Recipient Alias	UEI	DUNS
5489	State Agency	PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY	LLHHFKQLNAL4	088541391

Location Type	Address	City	State	Zip
Headquarters	SAN JOSE ST CRN SAN FRNCS	SAN JUAN	PR	00901
Physical Address	CALLE DE DIEGO # C	SAN JUAN	PR	00923
Mailing Address	PO BOX 42007	SAN JUAN	PR	00940

Union Information

Union Name	HERMANDAD DE EMPLEADOS DE OFICINA, COMERCIO Y RAMAS ANEXAS
Address 1	PO BOX 8599

Address 2	
City	SANTURCE
State	Puerto Rico
Zipcode	00910
Contact Name	ASTRID ROSARIO
Telephone	
Fax	
E-mail	
Website	
<hr/>	
Union Name	UNION DE TRONQUISTAS DE PUERTO RICO (UTPR)
Address 1	352 Calle del Parque
Address 2	Parada 23
City	San Juan
State	Puerto Rico
Zipcode	00912
Contact Name	Lcdo. Alexis Rodriguez
Telephone	7877218980
Fax	7877242190
E-mail	unitron@onelinkpr.net
Website	
<hr/>	
Union Name	PROSOL- UTIER CAPÍTULO: AUTORIDAD DE CARRETERAS
Address 1	PO Box 9063
Address 2	
City	San Juan
State	PR
Zipcode	00908
Contact Name	Angel Pinto
Telephone	(787) 724-6118
Fax	
E-mail	angelpintoopm@gmail.com
Website	

Part 2: Application Information

Title: Drydock of Isla Bonita Vessel-Autoridad de Transporte Maritimo (ATM Ferry Service)-Ferry Boat Program (FHWA)

FAIN	Application Status	Application Type	Date Created	Last Updated Date	From TEAM?
PR-2019-	Final Concurrence /	Grant	8/23/2022	8/23/2022	No

022-01 Reservation

Application Executive Summary

Amendment #1 August 2022

This is an FFY 2022 Section 1121 - Ferry Boat Program (FHWA) amendment in the amount of \$1,241,540 (Federal Share \$1,241,540 and \$248,308 on Transportation Development Credits (TDCs) for drydock activities for the Maritime Transportation Services. This application includes lapsing funds from Section 1121 - Ferry Boat Program - FY2019, 2020, and 2021:

FERRY BOAT PROGRAM (FHWA):

Ferry Boat Program Funds FY2019 (FHWA): \$301,187

Ferry Boat Program Funds FY2020 (FHWA): \$514,563

Ferry Boat Program Funds FY2021 (FHWA): \$425,790

Purpose: The purpose of this award is to provide additional funding for drydock activities for the MV Isla Bonita used to operate the Puerto Rico Island Ferry Service.

Activities to be performed: Funds will be used to cover eligible drydock activities expenses to bring and maintain assets in a state of good repair.

Expected Outcomes: Funding will allow the Authority to continue to provide safe and reliable service operations, and keep assets in a state of good repair.

Intended Beneficiaries: The Authority and the passengers that rely on a daily basis on the Island Service Ferry System.

Subrecipient Activities: Drydock activities will be carried out by the Maritime Transportation Program under the Puerto Rico Integrated Transportation Authority a subrecipient of the Puerto Rico Highway and Transportation Authority.

The Maritime Transportation Program under the Puerto Rico Integrated Transportation Authority (PRITA), provides the only public transportation method, that connects the Municipal Islands of Vieques and Culebra, with the mainland (Island Service).

As of December 15, 2021, the Authority commenced its transition process with the private operator, who was selected through a competitive process under the Puerto Rico Public Partnership (P3) laws. As of today, the Authority under its private operator, HMS Ferries, operates scheduled ferry services for cargo and passengers, running seven (7) days a week. As part of the transition process the operator is responsible for the operation and maintenance of all the Authority's' assets, including FTA funded vehicles and terminals. Currently, the operator is responsible for the maintenance and operations of all the Island and Metro Service terminals and of two FTA funded vessels (Cayo Largo and Isla Bonita). The operator along with the Authority is also responsible for the repairs and maintenance of the following FTA funded vessels for the Island Service: Isleno, Santa Maria, and Cayo Blanco (currently in drydock).

The Island Service under the Maritime Transportation Program operates a scheduled service from Ceiba - Vieques and from Ceiba - Culebra using the following terminals:

- o Vieques - Isabel II Terminal
- o Culebra - Sardinias Terminal
- o Ceiba - Roosevelt Roads Terminal

*Project #3 has been created for this amendment. Project #1 and #2 remain unchanged in this amendment.

STIP/TIP INFORMATION: STIP Amendment #3 (FY 2019-2022), Section 1121 - Ferry Boat Program, Page FTA-97, Line Num.1.

TAM PLAN: Assets are included in the inventory of the TAM Plan of PRHTA. This TAM Plan will follow FTAs final implementing rule. 49 U.S.C. 5337(a)(4)(B)

COST ESTIMATES: Estimates were provided by actual costs for drydock activities for the MV Isla Bonita

Attached Documents:

1. Cost Estimate and SOW
2. TDC Letter
3. Drydock Schedule
4. STIP Information
5. Approval of transfer of funds- FHWA to FTA

All third-party procurement policies will be following at a minimum FTA C 4220.1F. PRHTA will ensure all procured contractors are not on the FTA Suspension and Debarment list.

Original Language

This is an application for the Drydock of the Isla Bonita Vessel of the Autoridad de Transporte Maritimo (ATM Ferry Service). The project total cost is for \$3M; for this application a total funds of \$2,328,704 will be requested. The remaining \$671,296 will be from grant PR-2016-008-01.

TOTAL: \$2,328,704 (80% Match); \$465,740 (20% Match, Transportation Development Credits; TDC) [TDC letter by the PRHTA Executive Director will be attached to this application].

The ATM- Ferry service, provides transit services to various municipalities- San Juan- Catao (Metro service) and Ceiba- Vieques, Ceiba- Culebra (Island service), Puerto Rico.

ATM FACILITIES AND ROUTES

ISLAND SERVICE

- *Vieques Isabel II Terminal
- *Culebra Sardinas Terminal
- *Ceiba Roosevelt Roads Terminal

METRO SERVICE

- *Isla Grande Maintenance Base
- *Catao Terminal
- * San Juan Pier II Terminal

The project is for the Drydock of Isla Bonita Vessel. This vessel serves the routes between the main island of Puerto Rico (with the Ferry Terminal located in Ceiba) and the Municipalities of Vieques and Culebra.

The major overhaul for this vessel will include: repairs/replacement of engine rooms, propulsion system, steering room, and main deck and bulkheads. Other major works are proposed to protect equipment in the vessel.

The funding for this project will be from the following sources:

FERRY BOAT PROGRAM (FHWA):

The FHWA Ferry Boat Program Funds are available for designing and construction Ferry boats and for designing, acquiring right-of-way and constructing ferry terminal for facilities.

Ferry Boat Program Funds FY2013 (FHWA): \$466,361
Ferry Boat Program Funds FY2014 (FHWA): \$462,423
Ferry Boat Program Funds FY2015 (FHWA): \$459,500
Ferry Boat Program Funds FY2018 (FHWA): \$313,636

This application will also use funding from:

*Grant PR-2016-008-01 (Section 5311 FY 2016 Preventive Maintenance and Operating Assistance), which has \$671,296 obligated funds for Preventive Maintenance for ATM. (under ALI 11.7A.00)

*Section 5311 FY17 (LAPSING FUNDS; includes Intercity): \$492,272 and Section 5311 FY2018: \$134,512
[Letter from the Governor regarding the Intercity Program will be attached to this application].

The project is programmed in the STIP 2019-2022 (Page; FTA-89).

Useful Life:
-Passenger ferries: At least 25 years (FTA C 5010.1E)

All third-party procurement policies will follow FTA C 4220.1F
PRHTA will ensure all procured contractors are not on the FTA Suspension and Debarment List.

Frequency of Milestone Progress Reports (MPR)

Quarterly

Frequency of Federal Financial Reports (FFR)

Quarterly

Does this application include funds for research and/or development activities?

This award does not include research and development activities.

Pre-Award Authority

This award is using Pre-Award Authority.

Does this application include suballocation funds?

Recipient organization is the Designated Recipient and can apply for and receive these apportioned funds.

Will this Grant be using Lapsing Funds?

Yes, this Grant will use Lapsing Funds.

Will indirect costs be applied to this application?

This award does not include an indirect cost rate.

Indirect Rate Details: N/A

Requires E.O. 12372 Review

No, this application does not require E.O. 12372 Review.

Delinquent Federal Debt

No, my organization does not have delinquent federal debt.

Application Point of Contact Information

First Name	Last Name	Title	E-mail Address	Phone
Maribell	Perez	Transportation Program Specialist	maribell.perez@dot.gov	(787) 771-2528
Monica	Menendez	Consultant	mmenendez@ati.pr.gov	(787) 721-8787

Application Budget Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
FHWA Ferry Boat Construction & Misc. (Sect. 70)	70 FBD	20205	\$2,943,460
5311 - Rural Area Formula	5311-1A	20509	\$626,784
Local			\$0
Local/In-Kind			\$0
State			\$0
State/In-Kind			\$0
Other Federal			\$0
Transportation Development Credit			\$714,048
Adjustment			\$0
Total Eligible Cost			\$3,570,244

Application Budget

Project Number	Budget Item	FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
PR-2019-022-01-01	111-00 (111-A1) BUS - ROLLING STOCK	\$1,701,920.00	\$0.00	\$1,701,920.00	0
PR-2019-022-01-01	11.15.33 DRYDOCK-FERRY BOATS- Ferry Boat Program	\$1,701,920.00	\$0.00	\$1,701,920.00	0
PR-2019-022-02-01	111-00 (111-A2) BUS - ROLLING STOCK	\$626,784.00	\$0.00	\$626,784.00	0
PR-2019-022-02-01	11.15.33 DRYDOCK-FERRY BOATS	\$626,784.00	\$0.00	\$626,784.00	0
PR-2019-022-03-01	111-00 (111-A3) BUS - ROLLING STOCK	\$1,241,540.00	\$0.00	\$1,241,540.00	1
PR-2019-022-03-01	11.15.33 FERRY BOATS (Dry Docking)	\$1,241,540.00	\$0.00	\$1,241,540.00	1

Discretionary Allocations

This application does not contain discretionary allocations.

Part 3: Project Information

Project Title: Drydock of Isla Bonita Vessel-Autoridad de Transporte Maritimo (ATM Ferry Service)

Project Number	Temporary Project Number	Date Created	Start Date	End Date
PR-2019-022-01-01	5489-2019-31-P1	8/23/2022	12/2/2019	2/1/2022

Project Description

Amendment #1 (August 2022)

No changes to this project for this amendment.

Original Language

This project is for the Drydocking of Isla Bonita Vessel of the Autoridad de Transporte Maritimo (ATM Ferry Service). For this project, a total of \$1,701,920 is being requested (Ferry Boat Program FHWA). The 20% match (\$340,384) will be funded with Transportation Development Credits (TDC).

Isla Bonita is a Passenger/Cargo ferry vessel, built in 2012 and was put in service on June, 2016. It has been in service for a total of 3 years.

Description:

- Gross Tonage (GT)-94
- Passenger Capacity-400
- TEU Cargo Capacity-12
- Single Hull
- Max Speed Knots-15
- Material-Steel

ATM is requesting funding for a major overhaul of the Isla Bonita Vessel. This project will consist of the following Scope of Work:

ENGINE ROOM:

- Main engines major overhaul: Overhaul of four Cummings QSK 38 engines, new computers and electrical components, sensors and hoses.
- Remove and dismantle all seven (7) sea valves.
- Replace four (4) raw water strainer canisters of 5 inches with Groco SEF 500 Series 5 inch flanged mount, replace piping on stainless steel materials, replace bolts, nuts, support bases, hoses and hose clamps.
- Replace two (2) raw water cast iron strainer canisters of 2 inches that serve the generators with two new Groco SA-2000-S pipe of 2 inches
- Renew the steering system, hydraulic tank, pumps, pressure indicators, actuating valves, boxed that allow electrical connection blocks and components.
- Renew both air intake devices that service the engine room.
- Materials to service electrical motor that services the intakes and exhaust fans, refurbish wiring box connections, and renew light indicators and switches.
- Install new 3' bronze inlet strainers and replace cast iron on main raw water system that serves the main fire suction pipe, replace piping arrangement in stainless steel.
- Installation of two John Deer generators units 100kw.
- Relocate the vessel's bilge pump to minimize risk due to water splashing in electric motor
- Renew the vessel's fire pump, including seals, piping, bolts, nuts and strainer canister.
- Install new stainless steel strainer mesh in bilge suction pipe.

- Relocate six battery banks, three port side and three on starboard, including battery charger cases and switches to minimize fire risk.
- Renew bow thruster system, including new hoses, rebuilding of pumps connected to the engine gear, cleanup tank reservoir, new filters, gaskets, correction of leaks.
- Rebuild all four gear boxes Model No. MGX6848, including hoses, oil cooler vibration dampers.
- Renew fuel valves, cross valves, emergency fuel shut off system, grease, repacking and painting of code colors to identify their functions.
- Renew stainless steel materials the fuel pipe and starboard fuel tanks.
- Renew rusted suction pipes in the engine room with galvanized 80 material piping.
- Rebuild manifold valves that service suction system, grease and repack the fire and ballast system.
- Mechanical cleanup of all rusted areas in the engine room, recover with epoxy primer and finish the engine room with white urethane paint.
- Renew three areas on the bottom plate engine rooms of 18x18 inserts.
- Renew stainless steel material all raw water pipes that service the main engine, install a strainer before the oil coolers entrance on raw water.

PROPULSION SYSTEM

- Remove and deliver to qualified shop four each propellers, five blades of 48' x 38' manganese bronze, two LH, and two RH.
- Replace four stainless steel main propulsion shaft of 4 1/2' x 30 feet.
- Replace packing and reinstall shafts and propellers.
- Replace eight cutless bearings of 5 1/4 x 10' inches in main propulsion system including strut and stern tube.

STEERING SYSTEM

- Remove and drop two rudders.
- Remove and replace cutless bearings, rudder seals, pillow bearings and related components.
- Remove and refurnish both hydraulic cylinders that service the steering system
- Blast entire rudders room compartment and recoat with two coats of epoxy primer and two coats of urethane gray.

HULL CLEANING AND COATING:

- Blast entire areas, including top side sheers gunnels, bottom surface and bow thruster area to obtain a SSPC5 finishing with an adequate anchor profile, apply coats of epoxy primer and coats of premium compatible antifouling painting.

CATHODIC PROTECTION:

- Remove up to forty zinc anodes and reinstall new ones.

VOIDS:

- Clean with water and soap all voids up to 12.

FOREPEAK:

- Blast forepeak, after blasting coat with epoxy primer and coats of premium marine grade paint.

FIRE SUPPRESSION SYSTEM:

- Inspect and recertify the CO2 fire suppression system (Model Ansul Self Contained) including fire extinguishers along the vessel.

-BOW THRUSTER

- Renew genuine Westmar bow thruster Model No. V2024 200 Hp, refitting new hoses and PSI capacities.

ANCHOR WINDLASS

- Service anchor windlass Model No. G2HC and replace 700 of certified cable, hoses and piping, cover for windlass and new cover for control bottom.

MAIN DECK AND BULKWARDS:

- Blast entire cargo deck, including bulkwards, entire super structure, hatches and stern ramp. Apply coats of epoxy primer and coats of premium marine urethane paint.
- Refurnish all hatch access to the engine and rudder rooms, crop rust, repack closing mechanism.
- Replace all valves installed on deck, fuel, oil, wasted oil, and sewage discharge.
- Change all bolts and four nuts on four fire damper access and refit with new stainless steel bolts, nuts and washers new gaskets.
- Blast intake tunnels that provide air to the engine room. Coat with epoxy primer and coat with urethane marine paint.
- Renew the cover wall that holds the insulation to the cargo deck and refit inside portion with new as per original insulation material and new cover. Blast wall on the inside, coat with epoxy primer and coat with premium marine paint.

OTHER

- Change door sensor indicators with new magnetic indicator sensors.
- Renew electrical motor soft start along the vessel electrical motor.
- Refit both passenger rooms with aluminum plates.
- Change main entrance bolted door with new one of same configuration in stainless steel material.
- Change second level doors port and starboard with new stainless steel material, RH and LH outwards window.
- Crop and renew both doors that give access to cargo deck with two new water seal door stainless steel .
- Crop and renew void vents piping on cargo deck and replace with new stainless steel.
- Empty fuel tank, clean and inspect the two fuel tanks.
- Empty waste oil tank and bilge oily water tank.

Project Benefits

This project will provide ATM with a improved vessel that will allow the users of Vieques and Culebra to have a reliable transportation system.

Additional Information

Useful Life:

- Passenger ferries: At least 25 years (FTA C 5010.1E).

Location Description

ATM-Ceiba Ferry Terminal
Roosevelt Roads, Ceiba 00735

Project Location (Urbanized Areas)

UZA Code	Area Name
720000	Puerto Rico
725080	Fajardo, PR

Congressional District Information

State	District	Representative
Puerto Rico	1	Jennifer González

Program Plan Information

STIP/TIP

Date: 7/11/2019
Description: STIP 2019-2022; Page FTA-89

UPWP

Date: N/A
Description: N/A

Long Range Plan

Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
FHWA Ferry Boat Construction & Misc. (Sect. 70)	70 FBD	20205	\$1,701,920
Local			\$0
Local/In-Kind			\$0
State			\$0
State/In-Kind			\$0
Other Federal			\$0
Transportation Development Credit			\$340,384
Adjustment			\$0
Total Eligible Cost			\$1,701,920

Project Budget

Project Number	Budget Item	FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
PR-2019-022-01-01	111-00 (111-A1) BUS - ROLLING STOCK	\$1,701,920.00	\$0.00	\$1,701,920.00	0
PR-2019-022-01-01	11.15.33 DRYDOCK-FERRY BOATS-Ferry Boat Program	\$1,701,920.00	\$0.00	\$1,701,920.00	0

Project Budget Activity Line Items

Budget Activity Line Item: 11.15.33 - DRYDOCK-FERRY BOATS-Ferry Boat Program					
Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity	
BUS - ROLLING STOCK (111-00)	11.15.33	FERRY BOATS	MID LIFE REBUILD (RAIL)	0	

Extended Budget Description

This project is for the Drydock of the Isla Bonita Vessel of the Autoridad de Transporte Maritimo (ATM Ferry Service).

The funding will be from the following sources:

Ferry Boat Program Funds FY2013 (FHWA): \$466,361

Ferry Boat Program Funds FY2014 (FHWA): \$462,423

Ferry Boat Program Funds FY2015 (FHWA): \$459,500

Ferry Boat Program Funds FY2018 (FHWA): \$313,636

Grant PR-2016-008-01 (Section 5311 FY 2016)-\$671,296

Section 5311 FY17 (LAPSING FUNDS; includes Intercity): \$492,272 and Section 5311 FY2018: \$134,512

Under the FBP, a total of \$1,701,920 will be requested.

Passenger ferries: At least 25 years (FTA C 5010.1E)

Will 3rd Party contractors be used to fulfill this activity line item?

Yes, 3rd Party Contractors will be used for this line item.

Propulsion	Fuel Type	Vehicle Condition	Vehicle Size (ft.)
N/A	Diesel Fuel	Used	

Funding Source	Section of Statute	CFDA Number	Amount
FHWA Ferry Boat Construction & Misc. (Sect. 70)	70 FBD	20205	\$1,701,920
Local			\$0
Local/In-Kind			\$0
State			\$0
State/In-Kind			\$0
Other Federal			\$0
Transportation Development Credit			\$340,384
Adjustment			\$0
Total Eligible Cost			\$1,701,920

Milestone Name	Est. Completion Date	Description
RFP/IFB Issue Date	12/2/2019	
Contract Award Date	2/3/2020	
Initial Delivery Date	6/1/2021	
Final Delivery Date	12/1/2021	
Contract Completion Date	2/1/2022	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description

Class II(c) consists of projects called categorical exclusions (CEs) which are known not to have, either individually or cumulatively, a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. Class II(c) does not require documentation.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
BUS - ROLLING STOCK (111-00)	11.15.33	DRYDOCK-FERRY BOATS-Ferry Boat Program	0	\$1,701,920.00	\$1,701,920.00

Project Title: Drydock of Isla Bonita Vessel-Autoridad de Transporte Maritimo (ATM Ferry Service)

Project Number	Temporary Project Number	Date Created	Start Date	End Date
PR-2019-022-02-01	5489-2019-31-P2	8/23/2022	12/2/2019	2/1/2022

Project Description

Amendment #1 (August 2022)

No changes to this project for this amendment.

Original Language

This project is for the Drydocking of Isla Bonita Vessel of the Autoridad de Transporte Maritimo (ATM Ferry Service). A total of \$626,784 will be requested under this project. The 20% match (\$125,356) will be funded with Transportation Development Credits (TDC).

Isla Bonita is a Passenger/Cargo ferry vessel, built in 2012 and was put in service on June, 2016. It has been in service for a total of 3 years.

Description:

- Gross Tonage (GT)-94
- Passenger Capacity-400
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- Single Hull
- Max Speed Knots-15

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- Renew both air intake devices that service the engine room.
- Materials to service electrical motor that services the intakes and exhaust fans, refurnish wiring box connections, and renew light indicators and switches.
- Install new 3' bronze inlet strainers and replace cast iron on main raw water system that serves the main fire suction pipe, replace piping arrangement in stainless steel.
- Installation of two John Deer generators units 100kw.
- Relocate the vessel's bilge pump to minimize risk due to water splashing in electric motor
- Renew the vessel's fire pump, including seals, piping, bolts, nuts and strainer canister.
- Install new stainless steel strainer mesh in bilge suction pipe.
- Relocate six battery banks, three port side and three on starboard, including battery charger cases and switches to minimize fire risk.
- Renew bow thruster system, including new hoses, rebuilding of pumps connected to the engine gear, cleanup tank reservoir, new filters, gaskets, correction of leaks.
- Rebuild all four gear boxes Model No. MGX6848, including hoses, oil cooler vibration dampers.
- Renew fuel valves, cross valves, emergency fuel shut off system, grease, repacking and painting of code colors to identify their functions.
- Renew stainless steel materials the fuel pipe and starboard fuel tanks.
- Renew rusted suction pipes in the engine room with galvanized 80 material piping.
- Rebuild manifold valves that service suction system, grease and repack the fire and ballast system.
- Mechanical cleanup of all rusted areas in the engine room, recover with epoxy primer and finish the engine room with white urethane paint.
- Renew three areas on the bottom plate engine rooms of 18x18 inserts.
- Renew stainless steel material all raw water pipes that service the main engine, install a strainer before the oil coolers entrance on raw water.

PROPULSION SYSTEM

- Remove and deliver to qualified shop four each propellers, five blades of 48' x 38' manganese bronze, two LH, and two RH.
- Replace four stainless steel main propulsion shaft of 4 1/2' x 30 feet.
- Replace packing and reinstall shafts and propellers.
- Replace eight cutless bearings of 5 1/4 x 10' inches in main propulsion system including strut and stern tube.

STEERING SYSTEM

- Remove and drop two rudders.
- Remove and replace cutless bearings, rudder seals, pillow bearings and related components.
- Remove and refurnish both hydraulic cylinders that service the steering system
- Blast entire rudders room compartment and recoat with two coats of epoxy primer and two coats of urethane gray.

HULL CLEANING AND COATING:

-Blast entire areas, including top side sheers gunnels, bottom surface and bow thruster area to obtain a SSPC5 finishing with an adequate anchor profile, apply coats of epoxy primer and coats of premium compatible antifouling painting.

CATHODIC PROTECTION:

-Remove up to forty zinc anodes and reinstall new ones.

VOIDS:

-Clean with water and soap all voids up to 12.

FOREPEAK:

-Blast forepeak, after blasting coat with epoxy primer and coats of premium marine grade paint.

FIRE SUPPRESSION SYSTEM:

-Inspect and recertify the CO2 fire suppression system (Model Ansul Self Contained) including fire extinguishers along the vessel.

-BOW THRUSTER

-Renew genuine Westmar bow thruster Model No. V2024 200 Hp, refitting new hoses and PSI capacities.

ANCHOR WINDLASS

-Service anchor windlass Model No. G2HC and replace 700 of certified cable, hoses and piping, cover for windlass and new cover for control bottom.

MAIN DECK AND BULKWARDS:

-Blast entire cargo deck, including bulkwards, entire super structure, hatches and stern ramp. Apply coats of epoxy primer and coats of premium marine urethane paint.

-Refurnish all hatch access to the engine and rudder rooms, crop rust, repack closing mechanism.

-Replace all valves installed on deck, fuel, oil, wasted oil, and sewage discharge.

-Change all bolts and four nuts on four fire damper access and refit with new stainless steel bolts, nuts and washers new gaskets.

-Blast intake tunnels that provide air to the engine room. Coat with epoxy primer and coat with urethane marine paint.

-Renew the cover wall that holds the insulation to the cargo deck and refit inside portion with new as per original insulation material and new cover. Blast wall on the inside, coat with epoxy primer and coat with premium marine paint.

OTHER

-Change door sensor indicators with new magnetic indicator sensors.

-Renew electrical motor soft start along the vessel electrical motor.

-Refit both passenger rooms with aluminum plates.

-Change main entrance bolted door with new one of same configuration in stainless steel material.

-Change second level doors port and starboard with new stainless steel material, RH and LH outwards window.

-Crop and renew both doors that give access to cargo deck with two new water seal door stainless steel .

-Crop and renew void vents piping on cargo deck and replace with new stainless steel.

-Empty fuel tank, clean and inspect the two fuel tanks.

-Empty waste oil tank and bilge oily water tank.

Project Benefits

This project will provide ATM with a improved vessel that will allow the users of Vieques and Culebra to have a reliable transportation system.

Additional Information

Useful life:

-Passenger ferries: At least 25 years (FTA C 5010.1E)

Location Description

ATM-Ceiba Ferry Terminal
Roosevelt Roads, Ceiba 00735

Project Location (Urbanized Areas)

UZA Code	Area Name
720000	Puerto Rico
725080	Fajardo, PR

Congressional District Information

State	District	Representative
Puerto Rico	1	Jennifer González

Program Plan Information

STIP/TIP

Date: N/A

Description: N/A

UPWP

Date: N/A

Description: N/A

Long Range Plan

Date: N/A

Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5311 - Rural Area Formula	5311-1A	20509	\$626,784
Local			\$0
Local/In-Kind			\$0
State			\$0
State/In-Kind			\$0
Other Federal			\$0
Transportation Development Credit			\$125,356
Adjustment			\$0
Total Eligible Cost			\$626,784

Project Budget

Project Number	Budget Item	FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
PR-2019-022-02-01	111-00 (111-A2) BUS - ROLLING STOCK	\$626,784.00	\$0.00	\$626,784.00	0
PR-2019-022-02-01	11.15.33 DRYDOCK-FERRY BOATS	\$626,784.00	\$0.00	\$626,784.00	0

Project Budget Activity Line Items

Budget Activity Line Item: 11.15.33 - DRYDOCK-FERRY BOATS					
Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity	

BUS - ROLLING STOCK (111-00) 11.15.33 FERRY BOATS MID LIFE REBUILD (RAIL) 0

Extended Budget Description

This project is for the Drydock of the Isla Bonita Vessel of the Autoridad de Transporte Maritimo (ATM Ferry Service). This vessel gives service to Vieques and Culebra.

The funding will be from the following sources:

Ferry Boat Program Funds FY2013 (FHWA): \$466,361
 Ferry Boat Program Funds FY2014 (FHWA): \$462,423
 Ferry Boat Program Funds FY2015 (FHWA): \$459,500
 Ferry Boat Program Funds FY2018 (FHWA): \$313,636

Grant PR-2016-008-01 (Section 5311 FY 2016)-\$671,296
 Section 5311-FY17 \$492,272 and FY2018-\$134,512

Under Section 5311, a total of \$626,784 will be requested.

Passenger ferries: At least 25 years (FTA C 5010.1E)

Will 3rd Party contractors be used to fulfill this activity line item?

Yes, 3rd Party Contractors will be used for this line item.

Propulsion	Fuel Type	Vehicle Condition	Vehicle Size (ft.)
N/A	Diesel Fuel	Used	

Funding Source	Section of Statute	CFDA Number	Amount
5311 - Rural Area Formula	5311-1A	20509	\$626,784
Local			\$0
Local/In-Kind			\$0
State			\$0

State/In-Kind		\$0
Other Federal		\$0
Transportation Development Credit		\$125,356
Adjustment		\$0
Total Eligible Cost		\$626,784

Milestone Name	Est. Completion Date	Description
RFP/IFB Issue Date	12/2/2019	
Contract Award Date	2/3/2020	
Initial Delivery Date	6/1/2021	
Final Delivery Date	12/1/2021	
Contract Completion Date	2/1/2022	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description

Class II(c) consists of projects called categorical exclusions (CEs) which are known not to have, either individually or cumulatively, a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. Class II(c) does not require documentation.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date	Description	Date
	Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
BUS - ROLLING STOCK (111-00)	11.15.33	DRYDOCK-FERRY BOATS	0	\$626,784.00	\$626,784.00

Project Title: Additional Funding for Drydock Activities for MV Isla Bonita

Project Number	Temporary Project Number	Date Created	Start Date	End Date
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PR-2019-022-03-01

PR-2019-022-01-P3

8/23/2022

10/28/2019

1/10/2022

Project Description

Amendment # 1 (August 2022)

This is a FY 2022 Section 1121 Ferry Boat Program (FHWA) project for the drydocking activities of MV Isla Bonita in the amount of \$1,241,540. This application includes lapsing funds of FY2019, FY2020 and FY2021 Section 1121 Ferry Boat Program (FHWA).

Funds for this project will be used to cover the cost increase associated with Drydock expenses for Isla Bonita. The actual cost for the SOW (without change orders) for the Isla Bonita drydock activities is of \$4,389,433. A total of \$2,999,249 are being reimbursed with federal funds with the following grants:

*PR-2019-022 (project #1 and 2)- \$2,328,704

*PR-2016-008-01 - (project # 1) - \$670,545

This project will assist the Authority to partially cover the remaining balance of the Isla Bonita SOW.

MV Isla Bonita is a Passenger/Cargo ferry vessel, built in 2012 and put into service on June 2016. It is currently used for the Island services that has a scheduled route from Ceiba to Vieques and Culebra. This project will consist of the following scope of work:

1. Includes all drydock activities as required by USCG (46CFR 176.600(c)(1)), supplies, material, labor, services, and associated costs required to preserve or extend the functionality of the vessels. Detail of the scope of work is provided the Extended Budget Description.

The project would include the following line items:

*11.15.33 - Ferry Boats - \$1,241,540 Federal Share and \$248,308 TDCs

USEFUL LIFE: Cargo/Passenger vessels have a useful life of 30 years as per FTA C5010.1E.

CONTRACTORS: All third-party procurement policies will be following at a minimum FTA C 4220.1F. PRHTA will ensure all procured contractors are not on the FTA Suspension and Debarment list.

STIP/TIP INFORMATION- STIP Amendment #3 (FY 2019-2022), Section 1121 - Ferry Boat Program, Page FTA-97, Line Num.1.

ATTACHMENTS:

*Cost Estimate and SOW

*TDC Letter

*Drydock Schedule

*STIP Information

* Approval of transfer of funds- FHWA to FTA

Project Benefits

This project will provide ATM with a improved vessel that will allow the users of Vieques and Culebra to have a reliable transportation system. This project funds are necessary to continue the operation of the Island services (Ceiba, Vieques, Culebra) and to keep assets in a state-of-good-repair.

Additional Information

None provided.

Location Description

Municipalities of Ceiba (Roosevelt Roads Ferry Terminal), Culebra (Sardinas Ferry Terminal), and Vieques (Isabel II Ferry Terminal)

Project Location (Urbanized Areas)

UZA Code	Area Name
720000	Puerto Rico

Congressional District Information

State	District	Representative
Puerto Rico	1	Jenniffer González

Program Plan Information

STIP/TIP

Date: Not Provided

Description: STIP/TIP Amendment #3 (FY2019-2022), Section 1121 Ferry Boat Program, FTA Page -97, line #1

UPWP

Date: N/A

Description: N/A

Long Range Plan

Date: N/A

Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
FHWA Ferry Boat Construction & Misc. (Sect. 70)	70 FBD	20205	\$1,241,540
Local			\$0
Local/In-Kind			\$0
State			\$0
State/In-Kind			\$0
Other Federal			\$0
Transportation Development Credit			\$248,308
Adjustment			\$0
Total Eligible Cost			\$1,241,540

Project Budget

Project Number	Budget Item	FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
PR-2019-022-03-01	111-00 (111-A3) BUS - ROLLING STOCK	\$1,241,540.00	\$0.00	\$1,241,540.00	1
PR-2019-022-03-01	11.15.33 FERRY BOATS (Dry Docking)	\$1,241,540.00	\$0.00	\$1,241,540.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 11.15.33 - FERRY BOATS (Dry Docking)

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
BUS - ROLLING STOCK (111-00)	11.15.33	FERRY BOATS	MID LIFE REBUILD (RAIL)	1

Extended Budget Description

Amendment #1 (August 2022)

FY 2022 Section 1121 Ferry Boat Program funds are requested for additional funding for the drydocking of MV Isla Bonita in the amount of \$1,241,540. This application includes lapsing funds of FY2019, FY2020 and FY2021 Section 1121 Ferry Boat Program.

Funds for this project will be used to cover the cost increase associated with Drydock expenses for Isla Bonita. The actual cost for the SOW (without change orders) for the Isla Bonita drydock activities is of \$4,389,433. A total of \$2,999,249 are being reimbursed with federal funds with the following grants:

*PR-2019-022 (project #1 and 2)- \$2,328,704

*PR-2016-008-01 - (project # 1) - \$670,545

This project will assist the Authority to partially cover the remaining balance of the Isla Bonita SOW.

This project will include the following categories in its Scope of Work:

1. Drydocking and Berthage
2. Engine Room
3. Propulsion
4. Cargo Deck
5. Passenger Area
6. Steering
7. Hull
8. Miscellaneous

*For a detailed scope of work please refer to attachment titled Cost Estimate and SOW.

*The Authority will follow all Third-Party Procurement policies as defined in FTA C.4220. PRITA/PRHTA will ensure contractors procured will not be on the FTA Suspension and Debarment List.

COST ESTIMATES: Estimates were provided by actual costs for MV Isla Bonita.

USEFUL LIFE: Cargo/Passenger vessels have a useful life of 30 years as per FTA C5010.1E.

Will 3rd Party contractors be used to fulfill this activity line item?

Yes, 3rd Party Contractors will be used for this line item.

Propulsion	Fuel Type	Vehicle Condition	Vehicle Size (ft.)
N/A	Diesel Fuel	New	

Funding Source	Section of Statute	CFDA Number	Amount
FHWA Ferry Boat Construction & Misc. (Sect. 70)	70 FBD	20205	\$1,241,540
Local			\$0
Local/In-Kind			\$0
State			\$0
State/In-Kind			\$0
Other Federal			\$0
Transportation Development Credit			\$248,308
Adjustment			\$0
Total Eligible Cost			\$1,241,540

Milestone Name	Est. Completion Date	Description
RFP/IFB Issue Date	10/28/2019	Actual completion date
Contract Award Date	10/13/2020	Actual completion date
Initial Delivery Date	10/20/2020	Initial delivery of vessel to shipyard
Final Delivery Date	12/14/2021	Delivery date of vessel to PR from shipyard
Contract Completion Date	1/10/2022	Contract completion date

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description

Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
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Part 4: Fleet Details

Fleet Type: Waterbourne

Fleet Comments

None provided.

		Current Value
I.	Active Fleet	
	A. Peak Requirement	9
	B. Spares	0
	C. Total (A+B)	9
	D. Spare Ratio (B/A)	0%
II.	Inactive Fleet	
	A. Other	0
	B. Pending Disposal	4
	C. Total (A+B)	4
III.	Total (I.C and II.C)	13

Part 5: FTA Review Comments

FTA Comments for DOL

Comment By Maribell Perez

Comment Type DOL Review for Certification

Date 8/29/2022

Comment sent to DOL on 8/29/2022

Application Review Comments

Comment By Maribell Perez

Comment Type Pre-Award Manager Returns Application

Date 8/23/2022

Dear Recipient:

Comment Please attach the transfer documentation to the application document section. In addition, if multiple years of funding are been transferred, all funding needs to be obligated this FY.

Application Review Comments

Comment By Josue Menendez

Comment Type	Application Details
Date	8/24/2022
Comment	As requested, supporting documentation for the transfer of funds from FHWA to FTA has been uploaded. Grant application has been updated to include all years (FY2019, FY2020, FY2021) that were transferred. Thank you!