

# PUERTO RICO HIGHWAYS AND TRANSPORTATION AUTHORITY

## MUNICIPALITY GROUP TAMP

VERSION: 2.0

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# 1. ABBREVIATIONS

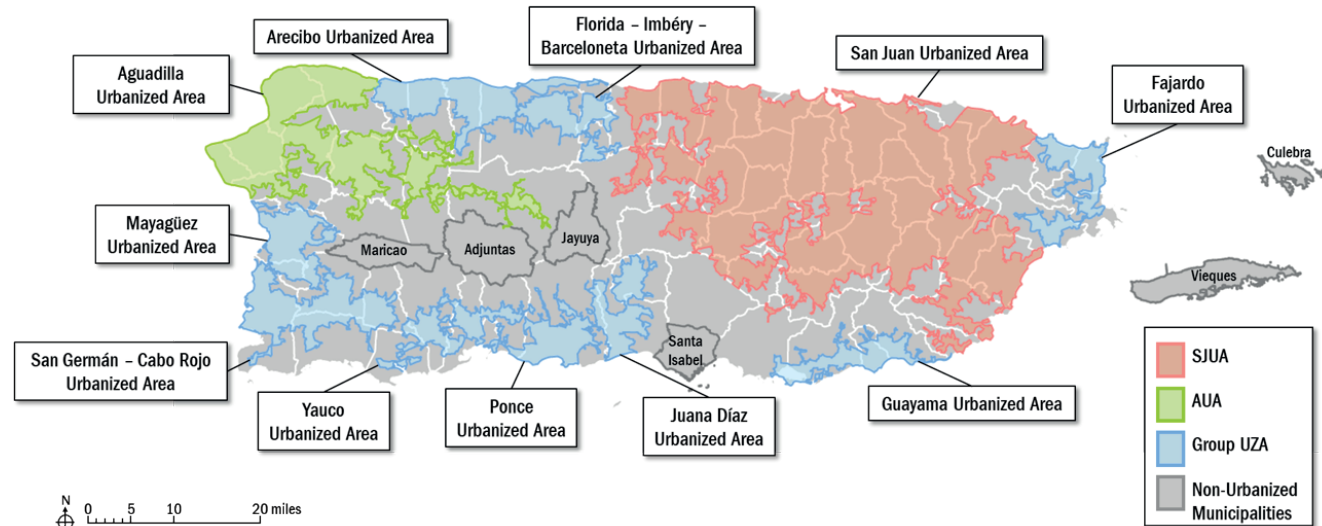
Abbreviation	Expansion
AMA	<i>Autoridad Metropolitana de Autobuses</i> (MBA in English)
ATI	<i>Autoridad de Transporte Integrado</i> (PRITA in English)
ATM	<i>Autoridad de Transporte Marítimo</i> (MTA in English)
DTOP	<i>Departamento de Transporte y Obras Públicas</i> (DTPW in English)
DTPW	Department of Transportation and Public Works (DTOP in Spanish)
NTD	National Transit Database
MBA	Puerto Rico Metropolitan Bus Authority (AMA in Spanish)
MTA	Puerto Rico Maritime Transport Authority (ATM in Spanish)
PRHTA	Puerto Rico Highways and Transportation Authority
PRITA	Puerto Rico Integrated Transit Authority (ATI in Spanish)
SGR	State of Good Repair
SMART	Specific-Measurable-Achievable-Relevant-Timely, acronym for target setting criteria
STIP	Statewide Transportation Improvement Plan
TAM	Transit Asset Management
TAMP	Transit Asset Management Plan
TERM	Transit Economic Requirements Model
ULB	Useful Life Benchmark
UPWP	Unified Planning Work Program

Table 1 - List of Abbreviations

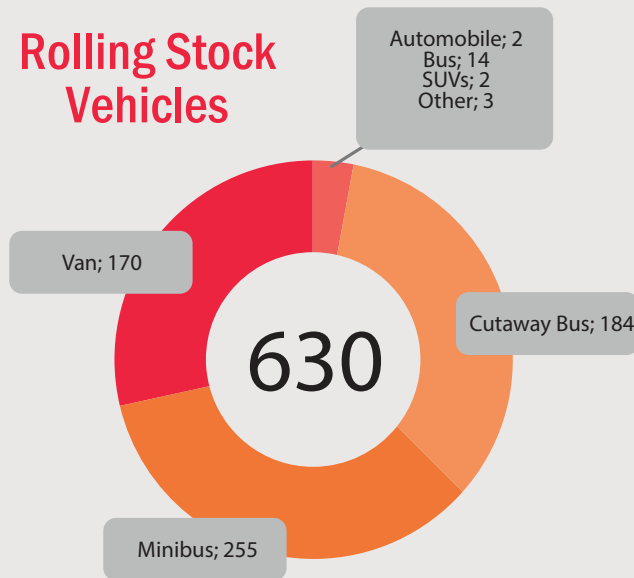
# Puerto Rico Municipal Transit Providers

## Background

Puerto Rico is divided into seventy-eight (78) Municipalities. Several municipalities have small fleets of vehicles that provide transit services to their constituents on either fixed-route services or demand response services, which include paratransit services and dedicated fleets to serve the elderly population and people with disabilities. The operation and management fall under the responsibility of the municipal transportation department or municipal public works department for those with fixed-route services, or the department of elderly and disabled people for municipalities with paratransit services or dedicated fleets only



## Rolling Stock Vehicles



	Asset Type	No. of Assets	Useful Life Benchmark (ULB)	Average Age (2020)	No. of Assets that Meet or Exceed ULB	FY 2019 Performance (% not SGR)	FY 2020 Performance Target (% not SGR)*	FY 2021 Performance Target (% not SGR)
Rolling Stock	Automobile	2	6	13	2	100%	24%	-
	Bus	14	12	13	7	63.3%	17%	-
	Cutaway Bus	184	8	5.7	29	24.4%	15%	-
	Minibus	255	8	7.6	79	40.5%	10%	-
	SUV	2	6	11.5	1	50%	62%	-
	Van	170	6	4.7	66	43.7%	40%	-
	Other	3	-	-	-	-	-	-
	Equipment Facilities	Administrative & Maintenance	2	N/A	N/A	0	0%	0%
	Terminal & Parking	87	N/A	N/A	24	27.6%	22.7%	22.7%
	Automobile	2	6	1	0	0%	24%	-
	Other road tired vehicles	19	6	4	3	23%	62%	-

\*Only includes vehicles with known active start date



## 3. INTRODUCTION

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The Commonwealth of Puerto Rico is an unincorporated territory of the United States located in the northeast Caribbean Sea. The Island is home to 3.2 million constituents making it the 31<sup>st</sup> most populous U.S. state / territory.



Figure 1 - Map of Puerto Rico

To traverse the Island, Puerto Ricans rely upon a combination of public and private transit options. In the early 2000s, Puerto Rico took steps towards broadening its public transit system. This past decade, however, the provision of public transit has suffered from a persistent debt crisis, declining population, and increasingly severe natural disasters. As a result, the utilization of and investment in public transit has fallen and the Island has become heavily auto and highway dependent, thereby significantly increasing vehicular traffic in the San Juan Urbanized Area.

In addition to increased traffic volumes, the provision of public transit is also an issue of equity. 40% of Puerto Ricans live below the poverty line; a figure three times higher than the national average of 13.5%. Dependable, accessible, and affordable public transportation options is foundational to facilitating economic prosperity on the Island.

This document serves as a formal **Transit Asset Management Plan (TAMP)** submission for the Seventy-Eight (78) Municipal Transit Services of Puerto Rico, with sponsorship from the Puerto Rico Highways and Transportation Agency (PRHTA), in accordance to the **Final Rule for Transit Asset Management**.

*Transit asset management is the strategic and systematic practice of procuring, operating, inspecting, maintaining, rehabilitating, and replacing transit capital assets to manage their performance, risks, and costs over their life cycles, for the purpose of providing safe, cost-effective, and reliable public transportation. <sup>1</sup>*

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<sup>1</sup> Transit Asset Management definition 49 CFR Section 625.5

The **Moving Ahead for Progress in the 21<sup>st</sup> Century (MAP-21) Act** was signed into law on July 6, 2012, which authorized \$105 billion in funding towards surface transportation programs. Through MAP-21, the Federal Transit Administration (FTA), issued the Final Rule for Transit Asset Management (TAM); National Transit Database (NTD) (49 CFR Sections 625 and 630) on July 26, 2016. The Final Rule established the requirement for recipients and sub-recipients of FTA funding to develop a Transit Asset Management Plan (TAMP).

By developing the TAMPs, FTA aims to improve safety and performance of the transportation network, reduce the \$85.9 billion backlog to achieve a State of Good Repair (SGR), and enhance the asset management capabilities of transit providers nationwide. According to the Final Rule, “[a] capital asset is in a SGR if it is in a condition sufficient for the asset to operate at a full level of performance”<sup>2</sup>. Performance is measured in different ways depending on the type of asset and will be covered later within this TAMP.

The Final Rule has established criteria to separate larger Tier-I providers and smaller Tier-II providers, as seen in Table 2 below.

Tier	Criteria
Tier-I	Tier I providers are those operators with one hundred and one (101) or more vehicles in revenue service during peak regular service or operators of rail fixed-guideway public transportation systems.
Tier-II	Tier II providers are those transit operators that do not operate rail fixed-guideway public transportation systems and have either one hundred (100) or fewer vehicles in fixed-route revenue service during peak regular service or have one hundred (100) or fewer vehicles in general demand response service during peak regular service hours.

Table 2 - Transit Provider Criteria

The TAMP requirements differ based on the relative size of the transit provider, as seen in Table 3 below.

Tier	Element	Description
	Inventory of Capital Assets	A register of capital assets and information about those assets.
Tier-I and Tier-II	Condition Assessment	A rating of the assets’ physical state; to be completed for assets an agency has direct capital responsibility for; should be at a level of detail sufficient to monitor and predict performance of inventoried assets.
	Decision Support Tools	An analytic process, tool or methodology that assists in capital asset investment prioritization and/or estimates capital needs over time.

<sup>2</sup> Sec. 625.17 of FTA Final Rule on Transit Asset Management

	Investment Prioritization	A prioritized list of projects or programs to manage or improve the SGR of capital assets.
Tier-I Only	TAM and SGR Policy	The executive-level direction regarding expectations for transit asset management and State of Good Repair of capital assets.
	Implementation Strategy	The actions that a transit provider decides to conduct to achieve its TAM goals and policies.
	List of Key Annual Activities	The actions needed to implement a TAM plan for each year of the plan’s horizon.
	Identification of Resources	A summary or list of the resources, including personnel, that a provider needs to develop and carry out the TAM plan.
	Evaluation Plan	An outline of how a provider will monitor, update, and evaluate its TAM plan and related business practices to ensure the continuous improvement.

Table 3 - TAMP Required Elements

All transit providers in this TAMP are Tier-II providers and therefore only contain the following elements:



Figure 2 - Tier-II TAMP Requirements

Through these four elements, transit agencies can assess their current SGR, identify needs to improve SGR, set performance targets and outline their plans to achieve those targets.

The Final Rule also establishes that State Departments of Transportation may sponsor Group TAMPs for Tier-II subrecipients. PRHTA administers FTA grant funding to its subrecipients in-lieu of the Puerto Rico Department of Transportation and Public Works, and is sponsoring this TAMP in order to assist its subrecipients in compliance with the Final Rule.

As the designated FTA grant funding administrator, the PRHTA has sponsored the development of individual TAMPs for the following transit providers:

- Puerto Rico Metropolitan Bus Authority (MBA) or *Autoridad Metropolitana de Autobuses* (AMA)

- Puerto Rico Integrated Transportation Authority (PRITA) or *Autoridad de Transporte Integrado* (ATI) <sup>3</sup>
- Puerto Rico Maritime Transport Authority (MTA) or *Autoridad de Transporte Marítimo* (ATM)
- **Seventy-Eight (78) Municipal Transit Services (Group TAMP)**

All providers are united in their mission to enhance regional mobility and provide sustainable transit for riders.

TAMPs are required to be updated every four years, though agencies may decide to update their TAMPs intermittently to reflect the most up-to-date information. The transit agencies in Puerto were given a two-year extension (2018 to 2020) to produce their TAMPs due to the extenuating circumstances caused by Hurricanes Irma and Maria in late 2017. Puerto Rico's TAMPs still cover a four-year horizon (FY2020 to FY2023). It is noted, however, that the TAMPs will need to be realigned with their respective agency's capital budget process as well as other regulatory investment and work plans.

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<sup>3</sup> It is noted that Tren Urbano (TU), the Island's only rail provider, has opted to produce a TAMP without PRHTA's sponsorship.



## 4. PURPOSE AND SCOPE

TAMPs are a critical part of asset stewardship. They are used to assess the current condition of the assets owned by transit providers, support the long-term capital planning process, and provide justification for the use of taxpayer’s dollars and fares. The TAMP aims to demonstrate the optimal use of funds to maintain and improve the service provided. PRHTA’s Agency TAMPs include:

- The inventory of assets owned, operated and maintained by the agencies
- The current condition of the agencies’ asset base
- The processes, tools and measures used to assess agencies’ performance
- How performance and needs assessments go into the decision-making process
- A proposed capital investment plan to achieve defined performance goals
- Actions for improvements in overall asset management capabilities

The TAM Final Rule states that every Tier-II provider must develop their own TAMP or participate in a group TAMP. The FTA defines a Tier-II provider as:

*A recipient that owns, operates or manages one hundred (100) or fewer vehicles in revenue service during peak regular service across all non-rail fixed route modes or in any one non-fixed route mode, a subrecipient under the 5311 Rural Area Formula Program, or any American Indian tribe” (49 CFR 625.5).*

All sponsored transit providers, including Puerto Rico’s 78 Municipalities qualify as Tier II providers, due to having fewer than 100 revenue vehicles in service during peak regular service. The FTA requirements for a TAMP for Tier II providers are as follows:

FTA TIER II TAMP REQUIREMENTS	ASSET INVENTORY	CONDITION ASSESSMENT OF INVENTORIED ASSETS	DESCRIPTION OF DECISION SUPPORT TOOLS	INVESTMENT PRIORITIZATION
REQUIREMENT DESCRIPTION	A register of assets owned, operated and maintained by the agency and information about those assets.	A State of Good Repair (SGR) assessment for all inventoried assets owned by the agency. SGR assessment for rolling stock and non-revenue vehicles are aged-based condition assessments where each asset type has an estimated Useful Life Benchmark (ULB). Facilities are given an overall condition assessment score by averaging building elements scored on a 1-5 scale.	Processes or tools that assist in estimating long term capital needs and capital asset investment prioritization.	A prioritized list of projects, programs or procurements in order to meet SGR performance goals.

Figure 3 - FTA Requirements for Tier II TAMPs

# 5. AGENCY BACKGROUND INFORMATION

## 5.1 INTRODUCTION

Several municipalities have small fleets of vehicles that provide transit services to their constituents. These municipal transit services are either fixed-route services or demand response services, which include paratransit services and dedicated fleets to serve the elderly population and people with disabilities. A list of municipalities and their types of service can be found in Appendix A.

The operation and management of these municipal transit services fall under the responsibility of the municipal transportation department or municipal public works department for those with fixed-route services, or the department of elderly and disabled people for municipalities with paratransit services or dedicated fleets only.

## 5.2 ORGANIZATIONAL STRUCTURE

The **Puerto Rico Metropolitan Planning Organization (MPO)** is a transportation policy-making body consisting of representatives from local government and from operators and managers of mass transit systems and state-level planning agencies. Because of the variety of different population sizes and transportation needs among the municipalities, the MPO makes policy and program decisions through three Policy Board Committees that preside over the different urbanized areas. Some municipalities are listed under multiple urbanized areas following the reorganization of urbanized area boundaries during the 2010 Census.

Detailed maps showing the various Urbanized Areas and municipalities can be found in Appendix B.

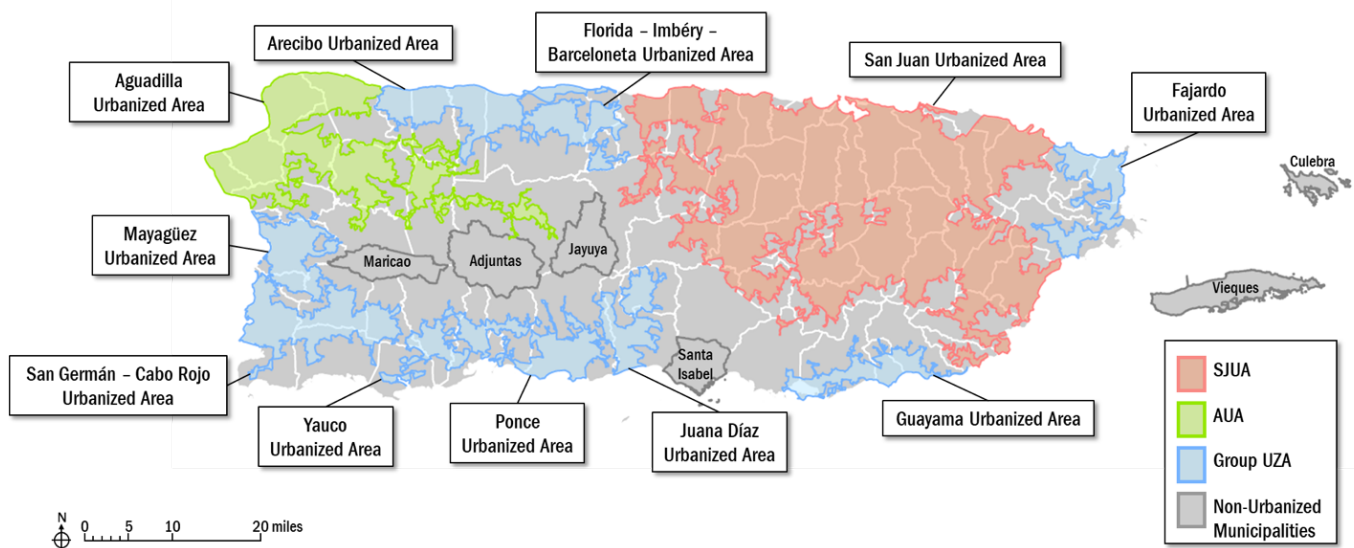


Figure 4 - Map of Urbanized Areas in Puerto Rico

The first Policy Board Committee is for the San Juan Urbanized Area (SJUA), which is defined as the areas with over one million inhabitants in the 2010 Census. The SJUA comprises of the following 38 municipalities:

<b>San Juan Urbanized Area (SJUA) Municipalities</b>			
Aguas Buenas	Cidra	Loíza	San Juan
Aibonito	Coamo	Manatí	San Lorenzo
Barranquitas	Comerio	Maunabo	Toa Baja
Bayamón	Corozal	Morovis	Toa Alta
Caguas	Dorado	Naguabo	Trujillo Alto
Canóvanas	Guaynabo	Naranjito	Vega Alta
Carolina	Gurabo	Orocovis	Vega Baja
Cataño	Humacao	Patillas	Yabucoa
Cayey	Juncos	Río Grande	
Ciales	Las Piedras	Salinas	

*Table 4 - List of Municipalities under the San Juan Urbanized Area (SJUA)*

The next Policy Board Committee is for the Aguadilla Urbanized Area (AUA), which is defined as the areas with fewer than one million but more than 200,000 inhabitants in the 2010 Census. The AUA comprises of the following 11 municipalities:

<b>Aguadilla Urbanized Area (AUA) Municipalities</b>			
Aguada	Camuy	Las Marías	Rincón
Aguadilla	Isabela	Moca	Utado
Añasco	Lares	San Sebastián	

*Table 5 – List of Municipalities under Aguadilla Urbanized Area (AUA)*

The third Policy Board presides over a group of Urbanized Areas (UZA) with municipalities fewer than 200,000 but over 50,000 inhabitants in the 2010 Census. This UZA group is comprised of the following Urbanized Areas and municipalities:

Urbanized Area	Municipalities
Arecibo	Arecibo, Camuy, Hatillo, Quebradillas
Fajardo	Ceiba, Fajardo, Luquillo, Naguabo
Florida – Imbéry – Barceloneta	Arecibo, Barceloneta, Florida, Manatí
Guayama	Arroyo, Guayama, Patillas, Salinas
Juana Díaz	Juana Díaz, Villalba
Mayagüez	Añasco, Hormigueros, Mayagüez
Ponce	Ponce
San Germán – Cabo Rojo	Cabo Rojo, Lajas, Sabana Grande, San Germán
Yauco	Guánica, Guyanilla, Peñuelas, Yauco

Table 6- List of Municipalities under the grouped Urbanized Areas (UZA)

Of the 78 municipalities in Puerto Rico, six rural municipalities are not within geographic proximity to any of the designated urbanized areas, and therefore do not participate in the policy committees of the MPO. These municipalities are grouped together under the Non-Urbanized Areas (NUA) group. PRHTA recognizes the NUA’s right to participate and works with the municipalities directly to plan their capital needs and incorporate them into regional transportation plans, such as statewide and long-range transportation plans. The following six municipalities are:

Non-Urbanized Areas (NUA) Municipalities		
Adjuntas	Jayuya	Santa Isabel
Culebra	Maricao	Vieques

Table 7 - List of Municipalities under Non-Urbanized Area (NUA)

In addition to the municipal representatives, the Policy Boards also have representatives from the following entities:

- Puerto Rico Department of Transportation and Public Works
- Puerto Rico Highway and Transportation Agency
- Puerto Rico Integrated Transit Authority



- Maritime Transportation Agency
- Metropolitan Bus Authority
- Puerto Rico Port Authority
- Puerto Rico Planning Board
- Public Services Commission
- Permissions Management Office
- Environmental Quality Board
- Department of Environmental and Natural Resources
- Puerto Rico Tourism Company
- Puerto Rico Emergency Management Agency
- Federal Highway Administration (non-voting member)
- Federal Transit Administration (non-voting member)

## 5.3 SERVICE CONTEXT

The types of transit services provided by the municipalities vary depending on the municipality but can be categorized into either fixed route or demand response. Many municipalities offer both types of services. A list of the municipalities and the types of services they offer can be found in Appendix A.

A fixed route service is a form of public transit service that follows an established timetable and route without any regular deviation. Of the two types of services, fixed route services are the most common mode of public transit among the municipalities.

Demand response services are a form of shared private transport, or quasi-public transport, where the routes are based on demand, rather than using a predetermined route or timetable. Demand response services allow riders to call and schedule trips to specific destinations at certain times. For all municipalities offering demand response, riders must call at least one day in advance to order rides in order to let the dispatchers develop a schedule and route that accommodates the reservations. Paratransit services are a subsection of demand response services, where vehicles that are specially equipped to accommodate people with disabilities and comply with ADA regulation. Some municipalities have dedicated fleets for care homes to bring residents to medical facilities, recreational sites or other locations as needed, which is another form of a demand response service.

With the exception of the Municipality of Moca, all municipal transit services are provided free of charge for all passengers. Service demand and ridership is monitored by each municipalities' dispatcher at the managing department. If a decrease or increase in service demand becomes noticeable, the managing department will raise a need to invest or opportunity for cost savings with the local mayor. There is no central registry for ridership and service demand.

In addition to the transit services offered by the municipalities, the Público services provide another form of on-demand transit that further expands the municipality transit network. Público operators are private transit providers that have agreements with the municipality regarding service areas and facility use. Individual Público operators set fares in discussion with the passengers based on the number of people travelling and their destinations. The vehicles used for the Público services are privately owned and are not funded by the FTA, therefore those vehicles have not been included in this TAMP. The terminals used by the Públicos, however, have been included in this TAMP because those facilities are constructed, owned and maintained by the municipalities using federal and local funds.

# 6. ASSET INVENTORY AND CONDITION ASSESSMENT

## 6.1 OVERVIEW

FTA requires an inventory of all rolling stock, equipment, infrastructure assets and facilities purchased with federal funds in the TAMP. Figure 5 shows the different types of assets within those categories.

Rolling stock contains all revenue vehicles. This includes active vehicles, standby vehicles and vehicles undergoing maintenance.

The equipment asset category contains all non-revenue service vehicles and equipment valued \$50,000 or more.

The facility asset category contains administrative, maintenance, parking and passenger facilities that are used and/or owned by the agency. It is important to note that bus shelters and other similar structures are not considered within this asset category.

The infrastructure asset category contains all infrastructure used for the operations and maintenance of the rolling stock. This asset category typically pertains to all infrastructure for heavy rail, commuter rail and light rail transit.

Due to the small size and distributed nature of the municipal transit services, the municipalities maintain their asset inventories locally. The small fleet size and relatively small scale of operations do not constitute a significant need for an Enterprise Asset Management Software, and the municipalities have opted to direct their resources elsewhere. Even though their asset inventories are small, the municipalities can continue to improve the management of their asset inventory (refer to Section 10 for more details regarding improvements).

PRHTA maintains an asset inventory of all federally funded rolling stock vehicles purchased by municipalities using FTA funds through the grant application process. When a capital project to acquire new assets is approved for federal funding, PRHTA takes note of the new assets to be included in their asset inventory. Once those assets have been commissioned and handed over to the municipalities, PRHTA will then update their asset inventory accordingly.



Figure 5 - FTA Asset Inventory Requirements

For the purposes of this TAMP, the asset inventory used is PRHTA's asset inventory, with the understanding that a standardized method of maintaining the asset inventory is one of the improvements to the next iteration of the TAMP (refer to Section 10 for more details regarding improvements).

For this TAMP, the Municipalities' asset inventory only consists of rolling stock, facilities, and equipment vehicles used for the express purpose of running the transit services. Many maintenance facilities that are used to maintain the rolling stock are either owned by a different department within the municipality government (typically the Department of Public Works) or are private repair shops. In both cases, those facilities are not part of the municipalities' asset inventory and are therefore not included in this TAMP.

The condition assessment process varies by asset class. FTA's mandated State-of-Good-Repair (SGR) performance measure for revenue vehicles and service vehicles as the percentage of vehicles that have met or exceed their Useful Life Benchmark (ULB). Useful Life and ULB are defined in *49 CFR Section 625.5 – Definitions* as:

*Useful life* means either the expected life cycle of a capital asset or the acceptable period of use in service determined by FTA.

*Useful life benchmark (ULB)* means the expected life cycle or the acceptable period of use in service for a capital asset, as determined by a transit provider, or the default benchmark provided by FTA.

The ULB is the point at which a vehicle has reached the end of its economic useful life. This value may be specified in terms of vehicle age, mileage, and/or a combination of factors. FTA provides a set of default ULB values by vehicle type, all of which are specified in terms of vehicle age. A revenue vehicle or service vehicle is deemed to be in an SGR if they have not met their ULB. The FTA ULB values were used as guidance and have been adjusted by PRHTA to support the municipalities' operating environment. PRHTA also monitors useful life of assets using mileage, but for the purposes of this TAMP, only age-based useful life is considered.

Useful life for facilities is based upon a facility condition rating score on a scale from 1-5, where facilities scored higher than 3 are considered to be in an SGR (see Section 6.3 for further details). For reporting purposes, the results of the facility condition and performance assessment are organized by the following asset classes:

- Administrative and Maintenance Facilities
- Passenger Terminals and Parking Facilities

In total, the municipalities use a total of 630 rolling stock vehicles and 21 service vehicles to provide transit services to their respective communities. There are 87 passenger/parking facilities and two administrative/maintenance facilities owned and operated by the municipalities. Overall, the facilities owned by the municipalities are in an adequate condition with most of the facilities scoring between 3.0 to 4.0 on the scale – only four facilities scored 4.0 or higher and 24 passenger terminals scored below a 3.0.

Table 8 below shows the assets owned and operated for the specific purpose of the municipal transit services. It is important to note that the percent of assets deemed to not be in an SGR for rolling stock

and equipment vehicles is based on the number of assets with known age, rather than the total number of assets.

Asset Type	No. of Assets	No. of Assets with Known Age	ULB	Average Age	No. of Assets not in a State of Good Repair	Percent of Assets not in a State of Good Repair <sup>4</sup>
<b>Rolling Stock</b>	<b>630</b>	<b>474</b>			<b>179</b>	<b>37.7%</b>
AO - Automobile	2	2	6	13	2	100.0%
BU - Bus	14	11	12	13	7	63.6%
CU – Cutaway Bus	184	119	8	5.7	29	24.4%
MB - Minibus	255	195	8	7.6	79	40.5%
SUV – Sport Utility Vehicles	2	2	6	11.5	1	50.0%
VN – Van	170	151	6	4.7	66	43.7%
Unknown Types	3	2	-	-	-	-
<b>Equipment</b>	<b>21</b>	<b>14</b>			<b>3</b>	<b>21%</b>
AO - Automobile	2	1	6	1	0	0%
ORTV – Other Rubber Tired Vehicles	19	13	6	4	3	23%
<b>Facilities</b>	<b>89</b>				<b>24</b>	<b>27%</b>
Administrative/ Maintenance Facilities	2	-	-	-	0	0%
Passenger Terminals/ Parking Facilities	87	-	-	-	24	27.6%

Table 8 - Overview of Asset Inventory and Condition Assessment

<sup>4</sup> Out of the number of assets where age is known

## 6.2 ROLLING STOCK

Rolling stock information was collected directly from the municipalities, using their existing asset information repositories. Many municipalities were unable to provide sufficient data for a complete asset inventory, which has led to an incomplete SGR performance analysis. Understanding this need for better oversight of their assets, the municipalities will strive to improve their asset information-keeping to provide a complete and accurate asset inventory for subsequent iterations of this TAMP.

The following section breaks down the rolling stock inventory by vehicle type. A detailed asset inventory by each individual rolling stock asset can be found in Appendix C.

### 6.2.1 AUTOMOBILES

The FTA categorizes automobiles as passenger cars that are the size of a station wagon or smaller. The municipality of San Sebastian utilizes two Toyota Yaris vehicles as part of their demand response service.

Model Type	No. of Vehicles	No. of Vehicles with known age	Average Age (years)	ULB	No. of Vehicles over ULB	% of Vehicles over ULB <sup>5</sup>
Toyota Yaris	2	2	13	6	2	100%
<b>Summary</b>	<b>2</b>	<b>2</b>			<b>2</b>	<b>100%</b>

Table 9 – Automobile Assets Summary (Rolling Stock)

### 6.2.2 BUSES

Several municipalities use buses to provide fixed-route services. Many of these vehicles are fitted with trolley bodies on top of bus chassis, giving the appearance of a vintage trolleybus. Despite this, these vehicles are still categorized as buses because they are running on using an onboard engine, rather than trolleybuses, which rely on electricity from overhead lines to provide power.

Model Type	No. of Vehicles	No. of Vehicles with known age	Average Age (years)	ULB	No. of Vehicles over ULB	% of Vehicles over ULB <sup>6</sup>
El Dorado Unknown Model	2	2	4.0	12	0	0%
Freightliner M-Line Shuttlebus	5	5	12.8	12	3	60%
Freightliner Shuttlebus	2	0	-	12	0	-

<sup>5</sup> Out of the number of assets where age is known

<sup>6</sup> Out of the number of assets where age is known

Model Type	No. of Vehicles	No. of Vehicles with known age	Average Age (years)	ULB	No. of Vehicles over ULB	% of Vehicles over ULB <sup>6</sup>
Freightliner Unknown Model	4	4	17.8	12	4	100%
Freightliner X-Line Shuttle Bus	1	0	-	12	0	-
<b>Summary</b>	<b>14</b>	<b>7</b>			<b>4</b>	<b>57.1%</b>

Table 10 - Bus Assets Summary

### 6.2.3 CUTAWAY BUSES

A cutaway bus is a vehicle that is built on a van or truck chassis with a frame and body to support transit. Often, the distinct characteristic of cutaway buses is that the cab of the vehicle (i.e. where the driver sits) is distinct from the rest of the body. The municipalities utilize a variety of cutaway bus models to provide fixed-route, demand response and paratransit services. Table 11 groups the vehicles by model variants.

Model Type	No. of Vehicles	No. of Vehicles with known age	Average Age (years)	ULB	No. of Vehicles over ULB	% of Vehicles over ULB <sup>7</sup>
Chevrolet Express Cargo	3	3	12.0	8	3	100%
Chevrolet Express G4500 and Variants	16	2	8.0	8	0	0%
Chevrolet Express GS3500 and Variants	41	27	7.3	8	14	52%
Chevrolet G4500	2	0	-	8	0	-
Dodge RAM 3500	2	2	19.0	8	2	100%
El Dorado Aerotech and Variants	2	2	6.0	8	0	0%

<sup>7</sup> Out of the number of assets where age is known

Model Type	No. of Vehicles	No. of Vehicles with known age	Average Age (years)	ULB	No. of Vehicles over ULB	% of Vehicles over ULB <sup>7</sup>
El Dorado Versashuttle	1	1	7.0	8	0	0%
Ford E-350 and Variants	32	18	7.4	8	7	38.9%
Ford E-450 and Variants	65	55	3.7	8	2	4%
Ford E-550 and Variants	8	7	1.9	8	0	0%
Ford Transit T-350 and Variants	2	2	2.5	8	0	0%
Thomas TK	1	0	-	8	0	-
Turtletop Terra	8	0	-	8	0	-
Unknown Model	1	0	-	8	0	-
<b>Summary</b>	<b>182</b>	<b>117</b>			<b>27</b>	<b>23.1%</b>

Table 11 - Cutaway Bus Assets Summary

## 6.2.4 MINIBUSES

Minibuses are commonly used by the municipalities to provide fixed-route, demand response and paratransit services.

Model Type	No. of Vehicles	No. of Vehicles with known age	Average Age (years)	ULB	No. of Vehicles over ULB	% of Vehicles over ULB <sup>8</sup>
Bluebird All American	5	5	7.2	8	2	40%
Bluebird CS Transhuttle	1	1	16.0	8	1	100%

<sup>8</sup> Out of the number of assets where age is known



Model Type	No. of Vehicles	No. of Vehicles with known age	Average Age (years)	ULB	No. of Vehicles over ULB	% of Vehicles over ULB <sup>8</sup>
Bluebird XCEL102	10	10	10.7	8	8	80%
Chevrolet C4500	2	2	11.0	8	2	100%
Chevrolet Express GS3500 and Variants	5	5	7.2	8	2	40%
El Dorado Aerotech and Variants	27	27	4.9	8	1	4%
El Dorado Unknown Model	1	1	7.0	8	0	0%
Ford E-250	2	2	4.0	8	0	0%
Ford E-350 and Variants	7	7	11.0	8	3	43%
Ford E-450 and Variants	40	40	4.8	8	2	5%
Ford Startcraft	4	4	8.0	8	0	0%
Ford Transit T-350 and Variants	20	14	11.1	8	14	100%
Ford Unknown Model	3	3	4.7	8	0	0%
Freightliner Arrivo	3	3	3.7	8	0	0%
Freightliner Classic American	1	0	-	8	0	-

Model Type	No. of Vehicles	No. of Vehicles with known age	Average Age (years)	ULB	No. of Vehicles over ULB	% of Vehicles over ULB <sup>8</sup>
Freightliner FL70	4	4	8.0	8	0	0%
Freightliner M1319FD	1	1	21.0	8	1	100%
Freightliner M-Line Shuttlebus	47	24	10.3	8	22	92%
Freightliner Odyssey XL and Variants	9	3	9.0	8	3	100%
Freightliner S2 106 Bus Chassis	7	7	4.0	8	0	0%
Freightliner S2 Champion Defender	2	0	-	8	0	-
Freightliner Villager and Variants	9	9	5.0	8	0	0%
Freightliner X-Line Shuttle Bus	10	0	-	8	0	-
International 3000 Series	20	19	9.7	8	14	74%
International 3200 Startrans	2	2	12.0	8	2	100%
International Bus	2	2	9.0	8	2	100%
International Harvester	8	0	-	8	0	-

Model Type	No. of Vehicles	No. of Vehicles with known age	Average Age (years)	ULB	No. of Vehicles over ULB	% of Vehicles over ULB <sup>8</sup>
International Terrastar	3	0	-	8	0	-
<b>Summary</b>	<b>255</b>	<b>195</b>			<b>79</b>	<b>40.5%</b>

Table 12 - Minibus Assets Summary

### 6.2.5 SPORT UTILITY VEHICLE (SUV)

The Municipality of Humacao uses one Ford Explorer XLS SUV to provide demand response services to residents.

Model Type	No. of Vehicles	No. of Vehicles with known age	Average Age (years)	ULB	No. of Vehicles over ULB	% of Vehicles over ULB <sup>9</sup>
Ford Explorer XLS	1	1	18.0	6	1	100%
Ford Explorer XLT -FWD	1	1	5.0	6	0	100%
<b>Summary</b>	<b>2</b>	<b>2</b>			<b>1</b>	<b>50%</b>

Table 13 - SUV Assets Summary

### 6.2.6 VANS

The municipalities utilize a variety of vans to provide fixed-route and demand response services.

Model Type	No. of Vehicles	No. of Vehicles with known age	Average Age (years)	ULB	No. of Vehicles over ULB	% of Vehicles over ULB <sup>10</sup>
Chevrolet Express G4500 and Variants	1	0	-	6	0	-

<sup>9</sup> Out of the number of assets where age is known

<sup>10</sup> Out of the number of assets where age is known

Model Type	No. of Vehicles	No. of Vehicles with known age	Average Age (years)	ULB	No. of Vehicles over ULB	% of Vehicles over ULB <sup>10</sup>
Chevrolet Express GS3500 and Variants	13	4	14.5	6	4	100%
Dodge Ram B3500	1	0	-	6	0	-
Dodge Sprinter 3500	1	1	13.0	6	1	100%
El Dorado Unknown Model	16	16	7.0	6	16	100%
El Dorado Versashuttle	4	4	5.8	6	3	75%
Ford E-350 and Variants	47	40	7.4	6	39	98%
Ford E-450 and Variants	2	2	3.0	6	0	0%
Ford Transit T-350 and Variants	82	81	2.3	6	0	0%
Ford Versashuttle	3	3	7.0	6	3	100%
<b>Summary</b>	<b>170</b>	<b>151</b>			<b>66</b>	<b>43.7%</b>

Table 14 - Van Assets Summary

## 6.2.7 UNKNOWN VEHICLE TYPES

During the collection of the asset inventory, some municipalities were unable to provide information of the vehicle model or type, which prevented being able to assign a ULB and include them in the performance analysis. Understanding the need for an accurate inventory, these municipalities will strive to have a complete asset inventory for subsequent iterations of this TAMP. Table 15 below shows the vehicles with unknown vehicle model and type.

Municipality	Vehicle Brand	License Plate
Loíza	Ford	H-69180
Cidra	Freightliner	MU-7804
Cidra	Freightliner	MU-7805

Table 15 - Unknown Rolling Stock Vehicles Summary

Figure 6 and Figure 7 depict examples of the types of rolling stock used by the municipalities.



Figure 6 - Ford Econoline E-450 Cutaway Bus outfitted with wheelchair lift<sup>11</sup>

<sup>11</sup> ©TrueCar Auto Buying Service, <https://www.truecar.com/used-cars-for-sale/listing/1FDFE4FL4CDA21818/2012-ford-econoline-commercial-cutaway/>



Figure 7 - Ford Transit-350<sup>12</sup>

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<sup>12</sup> ©Cars.com, [https://www.cars.com/research/ford-e350\\_super\\_duty-2012/](https://www.cars.com/research/ford-e350_super_duty-2012/)

## 6.3 EQUIPMENT

The types of equipment included in this TAMP contains only service vehicles used solely to support the municipal transit services. Information about these service vehicles were gathered directly from each municipality using their existing repositories. Like the rolling stock information, some municipalities were unable to provide sufficient information to complete an SGR analysis. Following this TAMP, all asset information keeping improvements planned by the municipalities also apply to their service vehicles and will improve the asset inventory for subsequent iterations of this TAMP.

The FTA classifies service vehicles in three categories: automobiles, which include station wagon cars or smaller; trucks and other rubber tired vehicles, which include any rubber tired vehicle larger than a station wagon; and steel-wheeled vehicles, which are all service vehicles designed to run only on rails. The municipalities only own service vehicles in the first two categories, as show in the following subsections.

A detailed asset inventory of equipment vehicles can be found in Appendix D.

### 6.3.1 AUTOMOBILES

The Municipality of Ponce uses two Ford Fiesta service vehicles to support their transit operations.

Model Type	No. of Vehicles	No. of Vehicles with known age	Average Age (years)	ULB	No. of Vehicles over ULB	% of Vehicles over ULB <sup>13</sup>
Ford Fiesta	2	1	1.0	6	0	0%
<b>Summary</b>	<b>2</b>	<b>1</b>			<b>0</b>	<b>0%</b>

Table 16 - Automobile Assets Summary (Equipment)

### 6.3.2 TRUCKS AND OTHER RUBBER TIRED VEHICLES

The vehicles included in this category include SUVs, minibuses, and vans, all of which support the municipalities' transit services.

Model Type	No. of Vehicles	No. of Vehicles with known age	Average Age (years)	ULB	No. of Vehicles over ULB	% of Vehicles over ULB <sup>14</sup>
Chevrolet Blazer	1	0	-	6	0	-
Chevrolet Express G1500	1	1	11	6	1	100%

<sup>13</sup> Out of the number of assets where age is known

<sup>14</sup> Out of the number of assets where age is known



Model Type	No. of Vehicles	No. of Vehicles with known age	Average Age (years)	ULB	No. of Vehicles over ULB	% of Vehicles over ULB <sup>14</sup>
Chevrolet Express G3500	1	1	3	6	0	0%
Dodge Ram 1500	1	0	-	6	0	-
Dodge Ram 2500	2	0	-	6	0	-
Ford 2500	1	1	6	6	0	0%
Ford E-450	3	3	5.3	6	1	33%
Ford F-350 SUPER DUTY	1	1	1	6	0	0%
Ford Transit 350	2	2	3	6	0	0%
Jeep Cherokee	1	0	-	6	0	-
Jeep Cherokee sport	1	0	-	6	0	-
Jeep Gladiator Sport	1	1	0	6	0	0%
Jeep Grand Cherokee	1	1	1	6	0	0%
Jeep Rubicon	1	1	7	6	1	100%
Jeep Wrangler Unlimited	1	1	1	6	0	0%
<b>Summary</b>	<b>21</b>	<b>14</b>			<b>3</b>	<b>23%</b>

Table 17 - Trucks and Other Rubber Tired Vehicle Assets Summary

## 6.4 FACILITIES

To support their transit services, the municipalities own and maintain several terminals, parking administrative and maintenance facilities. The facilities included in this TAMP are those that were purchased using FTA funds. Most municipalities share administrative and maintenance facilities with other municipal departments that were constructed without the use of FTA funds and are therefore those shared facilities are out of scope for this TAMP.

The condition assessment approach provided herein is based on FTA’s guidance detailed in *TAM Facility Performance Measure Reporting Guidebook: Condition Assessment Calculation*<sup>15</sup>. See Appendix E for a detailed description of the facilities condition assessment methodology used for this TAMP.

The condition assessment approach for facilities is based on visual inspections to evaluate the overall facility condition rating for each facility. Facilities are broken up into primary level elements, which are then each broken up further into secondary level elements. Following a visual inspection of a secondary level element, a score is assigned to that secondary element using the 1-5 scale found in the FTA Transit Economic Requirements Model (TERM), as seen in Table 18 below.

Rating	Condition	Description
5	Excellent	No visible defect, new or near new condition, may still be under warranty
4	Good	Good condition, but no longer new, may be slightly defective or deteriorated, but is overall functional
3	Adequate	Moderately deteriorated or defective; but has not exceeded useful life
2	Marginal	Defective or deteriorated in need of replacement; exceeded useful life
1	Poor	Critically damaged or in need of immediate repair; well past useful life

Table 18 - TERM Condition Assessment Scoring

The secondary level element scores are then aggregated using the equal weighting method to produce an overall score for each of the primary level elements, which are then aggregated again using the equal weighting method to produce an overall facility condition rating score.

This facility condition assessment approach supports calculation of the required SGR performance measure for facilities, which is the percentage of facilities within an asset class rated less than three on a five-point scale used in the TERM scale.

Using the condition rating for each facility, the percentage of facilities with a condition rating below 3.0 on the scale (1=Poor to 5=Excellent) is calculated for each facility asset class.

Puerto Rico has experienced several natural disasters preceding this TAMP that has had significant effects on the condition of the facilities on the Island. In September 2017, Hurricanes Maria and Irma swept over the Puerto Rico and caused widespread destruction on the Island, among other areas along the hurricanes’ paths. Though this document does not cover the damage assessment to the municipal transit assets due to the hurricane, it is important to note because some facilities have not been fully rehabilitated or rebuilt yet, which would impact the condition rating score for the facilities.

<sup>15</sup> FTA TAM Facility Performance Measure Reporting Guidebook v1-2

On January 7, 2020, Puerto Rico suffered from a magnitude 6.4 earthquake that caused significant damage to the southwest portion of the Island<sup>17</sup>. This earthquake happened during the condition assessment process for this TAMP when some facilities had been assessed and some had not. Once the situation on the Island was deemed safe again, the decision was made by PRHTA to continue the condition assessment process as planned and to not re-assess any of the facilities that had already been assessed. The only facility that sustained significant damage and had yet to be assessed was the Miguel A. Ortiz Public Transportation Terminal in Guayanilla – the facility had to be closed due to the damages and could not be accessed for the condition assessment. In future iterations of the TAMP, the facilities will be reassessed to provide the most updated condition information.

Table 19 below shows all the facilities owned and used by the municipalities for public transit provision. A more detailed breakdown of condition assessment by facility elements can be found in Appendix F.

It is important to note that several of the terminals designated for Públicos are not exclusive to the Públicos – the terminals are also used by the fixed-route and demand response transit services for passenger boarding and alighting.

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<sup>17</sup> <https://www.usgs.gov/news/magnitude-64-earthquake-puerto-rico>

No.	Municipality	Facility	Type	Address	Condition Rating Score	% of Primary Elements below 3.0
1	Adjuntas	Terminal Municipal de Transportación Pública Adjuntas	Terminal/ Parking	Calle Cesar Gonzalez, Adjuntas 00631	2.9	57%
2	Aguada	Centro de Usos Múltiples	Terminal/ Parking	Calle La Paz, Aguada 00602	3.4	11%
3	Aguadilla	Terminal Pedro R. Hernandez	Terminal/ Parking	Ave. San Carlos, Aguadilla 00603	2.4	67%
4	Aguas Buenas	Terminal de Carros Públicos Plaza Agrícola	Terminal	Calle Padre Quiñones, Aguas Buenas 00703	3.0	57%
5	Aguas Buenas	Terminal Eurípides Díaz Alvarado	Terminal	Calle Luis Muñoz Rivera, Aguas Buenas 00703	3.2	14%
6	Aibonito	Terminal Octavio Guzmán Rivera	Terminal/ Parking	151 Calle Gerónimo Martínez, Aibonito 00705	2.9	33%
7	Añasco	Terminal José (Pepe) Morales	Terminal/ Parking	Ave. 65 Infantería, Añasco 00610	2.6	57%
8	Arecibo	Terminal Victoriano González Nava	Terminal/ Parking	Calle Pérez Avilés, Arecibo 00612	2.1	75%
9	Arecibo	Terminal de Transportación Sur Arecibo	Terminal/ Parking	Avenida Juan Rosado, Arecibo 00612	2.0	78%

No.	Municipality	Facility	Type	Address	Condition Rating Score	% of Primary Elements below 3.0
10	Arroyo	Terminal de Carros Públicos Arroyo	Terminal	Calle Morse, Arroyo 00714	2.4	86%
11	Barceloneta	Terminal Fidel Santiago	Terminal/ Parking	Calle Georgetti, Barceloneta 00617	3.1	25%
12	Barceloneta	Administrative and Maintenance Facility	Administrative/ Maintenance	Central Plazuela, Barceloneta 00617	3.3	25%
13	Bayamon	Terminal Antonio Guardarrama	Terminal	Calle Degetau, Bayamon 00961	3.3	22%
14	Bayamon	Terminal Tomas Kuilan	Terminal/ Parking	Calle Manuel Rossi, Bayamon 00961	3.3	33%
15	Bayamon	Multimodal Terminal	Terminal	Calle Barbosa esq Bobby Capo, Bayamon 00961	3.8	0%
16	Cabo Rojo	Terminal Fernando Flores	Terminal	Calle Rossy, Cabo Rojo 00623	3.4	14%
17	Caguas	Terminal Francisco Pereira	Terminal/ Parking	Calle Goyco, Caguas 00725	3.3	0%
18	Camuy	Estacion Municipal Trolley Camuy	Terminal/ Parking	Calle San Jose, Camuy 00627	3.7	0%
19	Camuy	Terminal Felipe Martinez Hernandez	Terminal/ Parking	Calle San Jose, Camuy 00627	3.3	22%

No.	Municipality	Facility	Type	Address	Condition Rating Score	% of Primary Elements below 3.0
20	Canóvanas	Terminal Norte Canóvanas	Terminal/ Parking	Calle Palmer, Canóvanas 00729	3.0	38%
21	Canóvanas	Terminal de Carros Públicos Canóvanas Sur	Terminal/ Parking	Calle Autonomia (PR-185) / Calle Pepita Albandoz, Canóvanas 00729	3.7	0%
22	Carolina	Terminal Barrazas	Terminal/ Parking	PR 853 Int 852, Carolina 00976	2.8	50%
23	Carolina	Terminal de Carros Públicos Carolina	Terminal/ Parking	Calle San Francisco, Carolina 00976	3.7	0%
24	Cataño	Terminal Miguel Santiago Ocasio	Terminal/ Parking	Ave. Las Nereidas, Cataño 00962	3.5	13%
25	Cayey	Terminal Mercedes Ortiz	Terminal	Baldorioty PR 14 Salida Aibonito, Cayey 00735	3.6	13%
26	Cayey	Terminal Leonides (Johnny) Toledo	Terminal/ Parking	Calle Baldorioty de Castro, Cayey 00735	3.0	38%
27	Ciales	Terminal de Carros Públicos Ciales	Terminal	Calle Palmer, Ciales 00638	3.5	0%
28	Ciales	Terminal Angel Cabiya San Miguel	Terminal/ Parking	Calle Jose de Diego, Ciales 00638	3.2	13%
29	Cidra	Terminal de Carros Públicos Cidra	Terminal/ Administrative	PR 172 al lado Alcaldía Cidra, Cidra 00739	3.9	0%

No.	Municipality	Facility	Type	Address	Condition Rating Score	% of Primary Elements below 3.0
30	Coamo	Terminal Dionisio Pagan	Terminal/ Parking	Calle Jose Quinton, Coamo 00769	3.8	0%
31	Comerio	Terminal Antonio Toñin Pereira	Terminal/ Parking	Calle Muñoz Rivera, Comerio 00782	2.7	75%
32	Corozal	Terminal Jose Taboas	Terminal/ Parking/ Administrative	Calle Bou, Corozal 00783	3.3	38%
33	Dorado	Terminal Jose P. Lopez	Terminal/ Parking	Calle Mendez Vigo, Dorado 00646	3.8	0%
34	Fajardo	Terminal Transportación Pública de Fajardo	Terminal/ Parking	Calle Jorge Bird Leon, Fajardo 00738	3.6	0%
35	Florida	Terminal Luis A. Ferre	Terminal/ Parking	Ext. Muñoz Rivera, Florida 00650	2.8	50%
36	Guayama	Terminal Miguel Diaz Tirado	Terminal/ Parking	Calle Ashford, Guayama 00785	3.0	38%



No.	Municipality	Facility	Type	Address	Condition Rating Score	% of Primary Elements below 3.0
37	Guayanilla	Miguel A. Ortiz Public Transportation Terminal <sup>18</sup>	Terminal/ Parking	Calle Munoz Rivera, Guayanilla 00656		
38	Guaynabo	Terminal Albizu Campos	Terminal/ Parking	Calle Jose Barbosa, Guaynabo 00970	3.3	38%
39	Gurabo	Terminal de Carros Públicos Gurabo	Terminal/ Parking	Calle Angel Morales, Gurabo 00778	3.2	13%
40	Hatillo	Terminal Satelite Campo Alegre	Terminal/ Parking	Carr. 130 km 11.5, Hatillo 00659	3.4	13%
41	Hatillo	Terminal Efrain Siverio	Terminal/ Parking	Pablo J Aguilar, Hatillo 00659	3.4	13%
42	Hormigueros	Terminal de Carros Públicos Hormigueros	Terminal/ Parking	Calle Oriente interior, Hormigueros 00660	3.7	11%
43	Hormigueros	Terminal de Trolley Hormigueros	Terminal/ Parking	Calle San Antonio, Hormigueros 00660	3.7	0%
44	Humacao	Terminal Norte Humacao	Terminal/ Parking	Int Cruz Ortiz y E. Melendez, Humacao 00791	3.7	0%

<sup>18</sup> The Miguel Ortiz Terminal suffered damage due to the earthquakes in January 2020 and was deemed unsafe to enter, which prevented the condition assessment of the facility

No.	Municipality	Facility	Type	Address	Condition Rating Score	% of Primary Elements below 3.0
45	Humacao	Terminal Sur Humacao	Terminal/ Parking	Boulevard del Rio, Humacao 00791	3.2	22%
46	Jayuya	SITCOM	Terminal/ Parking	Calle Barceló, Jayuya 00664	4.5	0%
47	Juana Díaz	Terminal Clotilde Colón	Terminal/ Parking	Calle Comercio, Juana Díaz 00795	3.0	50%
48	Juncos	Terminal Jose Cruz Fernandez	Terminal/ Parking	Calle Muñoz Rivera y Calle Algarin, Juncos 00777	2.9	63%
49	Lajas	Terminal de Carros Públicos Lajas	Terminal/ Parking	Calle Juan Cancio Ortiz, Lajas 00667	3.3	13%
50	Lares	Terminal Santiago Echevarria	Terminal/ Parking	Calle Muñoz Rivera, Lares 00669	2.9	50%
51	Las Marias	Terminal de Carros Públicos Las Marias	Terminal/ Parking	Carretera estatal 119, Las Marias 00670	3.3	0%
52	Las Piedras	Terminal Antonio "Toño" Rivera	Terminal/ Parking	C/ Jose Celso Barbosa PR198, Las Piedras 00771	3.5	11%
53	Loíza	Terminal Loiza	Terminal/ Parking	San Patricio, Loíza 00772	3.1	63%
54	Manati	Terminal Trolleys Angel Cintron	Terminal/ Parking	Calle Patriota Pozo, Manati 00674	3.6	11%

No.	Municipality	Facility	Type	Address	Condition Rating Score	% of Primary Elements below 3.0
55	Manati	Terminal Valeriano Aulet Carrion	Terminal/ Parking	Calle Patriota del Pozo, Manati 00674	2.8	75%
56	Mayaguez	Terminal Balboa	Terminal/ Parking	Calle Oriente, Mayaguez 00681	3.9	0%
57	Mayaguez	Terminal Barcelona	Terminal/ Parking	Calle Peral, Mayaguez 00681	3.3	44%
58	Moca	Terminal Moca	Terminal/ Parking	Calle Pedro Santos, Moca 00676	3.4	33%
59	Morovis	Terminal Luis Anglero	Terminal/ Parking	Calle Baldorioty, Morovis 00687	2.5	75%
60	Naguabo	Terminal Publico	Terminal/ Parking	Int. Garcet & Goyco, Naguabo 00718	2.6	71%
61	Naranjito	Terminal Juan Molina	Terminal/ Parking	Calle Georgetti 19A, Naranjito 00719	2.6	63%
62	Patillas	Terminal de Carros Públicos Patillas	Terminal/ Parking	Calle División Sur, Patillas 00723	3.8	0%
63	Ponce	Terminal Carlos Garay	Terminal/ Parking	Calle Victoria y Vives, Ponce 00733	2.2	88%

No.	Municipality	Facility	Type	Address	Condition Rating Score	% of Primary Elements below 3.0
64	Ponce	Terminal Dora Colon <sup>19</sup>	Terminal/ Parking	Calle Concordia, Ponce 00733	3.5	22%
65	Quebradillas	Terminal Dionisio Ruiz Velez	Terminal/ Parking	Calle del Carmen, Quebradillas 00678	2.7	50%
66	Rincon	Terminal de Carros Públicos Rincon	Terminal/ Parking	Calle Nueva, Rincon 00677	3.1	63%
67	Rio Grande	Terminal de Carros Públicos Rio Grande	Terminal/ Parking	San Antonio PR-187, Rio Grande 00745	3.0	44%
68	Sabana Grande	Terminal Osvaldo Montalvo	Terminal/ Parking	Calle Betances, Sabana Grande 00637	3.5	13%
69	Salinas	Terminal Salinas	Terminal/ Parking	PR 1, Salinas 00751	3.7	0%
70	San German	Terminal de Carros Públicos San German	Terminal/ Parking	Ave. Univ Interamericana/Calle Oriente, San German 00683	3.2	50%
71	San German	Terminal Fernando e Isabel	Terminal/ Parking	Calle Hernan Alvarez, San German 00683	3.2	33%

<sup>19</sup> Terminal Dora Colon suffered damage during the earthquakes in January 2020. The condition assessment score for this facility reflects its prior state because the condition assessment was conducted before the earthquake.

No.	Municipality	Facility	Type	Address	Condition Rating Score	% of Primary Elements below 3.0
72	San Juan	Terminal Covadonga	Terminal/ Parking	Paseo Covadonga #10, San Juan 00901	3.0	33%
73	San Juan	Terminal Juan A. Palerm	Terminal/ Parking	Calle Vallejo esq Arzuaga, San Juan 00965	2.8	75%
74	San Juan	Terminal del Sur Rio Piedras	Terminal/ Parking	Calle Camelio Soto, Rio Piedras, San Juan 00925	3.4	11%
75	San Lorenzo	Terminal Franciso "Pancho" Lozada	Terminal/ Parking	Calle Tous Soto, San Lorenzo 00754	3.6	0%
76	San Sebastian	Terminal San Sebastian	Terminal/ Parking	Calle Clara Cardona, San Sebastian 00685	2.4	86%
77	Santa Isabel	Terminal Fidel Rivera Romero	Terminal/ Parking	C/ Francisco Anselmi, Santa Isabel 00757	3.1	14%
78	Toa Baja	Area de Transbordo	Terminal/ Parking	Ave Sabana Seca C/867, Toa Baja 00977	4.1	0%
79	Trujillo Alto	Terminal Trujillo Alto	Terminal/ Parking	Calle Borinquen int Calle Muñoz Rivera, Trujillo Alto 00977	2.4	63%
80	Utuado	Terminal Carmello Martell	Terminal/ Parking	Calle Sargento Malaret, Utuado 00641	3.1	38%
81	Vega Alta	Antiguo Terminal de Carros Públicos	Terminal/ Parking	C/676 C/Luis Muñoz Rivera, Vega Alta 00692	3.3	13%

No.	Municipality	Facility	Type	Address	Condition Rating Score	% of Primary Elements below 3.0
82	Vega Baja	Terminal Hector Sardín	Terminal/ Parking	C/686 Km 66.6, Vega Baja 00693	3.6	11%
83	Vega Baja	Estación del Tren	Terminal/ Parking	C/686 Km 18.5, Vega Baja 00693	3.6	13%
84	Vega Baja	Taller de Mantenimiento Movilidad Ciudadana	Maintenance	c/155 Km 66.6, Vega Baja 00693	3.6	13%
85	Villalba	Terminal Ismael Zaragoza Melendez	Terminal/ Parking	Calle Muñoz Rivera intersección Calle Schalton, Villalba 00766	2.8	57%
86	Yabucoa	Terminal de Carros Públicos Plaza de Mercado	Terminal/ Parking	Calle 2, Yabucoa 00767	2.1	100%
87	Yauco	STC Barinas	Terminal/ Parking	Calle Andres Leon, Yauco 00698	4.0	0%
88	Yauco	STC Rio Prieto	Terminal/ Parking	Carr 324 Rio Prieto, Yauco 00698	3.3	33%
89	Yauco	STC Pueblo	Terminal/ Parking	Calle Teniente Alvarado y Calle Pacheco, Yauco 00698	4.0	0%

Table 19 - Facility Summary

## 7. DECISION SUPPORT TOOLS

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### 7.1 PLANNING PROCESS THROUGHOUT ASSET LIFECYCLE

According to the TAM Final Rule, decision support tools are any methodologies, software or processes used to help transit providers make decisions. Currently, the decision-making processes used by the municipalities are informal and largely reactionary to informally identified needs. Many municipalities have recognized the need for this and have begun to develop Strategic Transit Plans and Short-Range Transit Plans to identify objectives, formalize the decision-making process and form a structure to address capital and operational needs. As outlined in the Unified Planning Work Program (UPWP)<sup>20</sup> for FY 2020-21, the municipalities who are undergoing development and/or implementation of these plans include: Arroyo, Coamo, Cidra, Florida, Guayama, Guayanilla, Lajas, Luquillo, Patillas, Rincon, Rio Grande, Salinas, Vega Baja, Santa Isabel, Bayamón, Naguabo, Corazol, Vega Alta, Cataño, Toa Alta, and Juana Diaz. As the municipalities further develop these plans and improve their capital planning and asset management capabilities, future iterations of this TAMP will expand on the decision-support tools to be developed.

To get a better understanding of their transportation needs, several municipalities have commissioned, or are in the process of commissioning, transportation studies to understand the demand for their transit services and how the existing services can be improved. The municipalities of Humacao, Morovis, Las Marias, Yauco, Hatillo, Aguas Buenas, Lares, Cabo Rojo, Canóvanas, Toa Baja, Cayey, Arecibo, Bayamon, Barceloneta, Carolina and Vieques have commissioned transportation studies or are developing RFPs for transportation studies, as outlined in the UPWP FY2020-21, and the municipalities of Aibonito, Barranquitas, Comerío and Orocovis are planning to commission a regional transportation study to see how their transit services can be better integrated.

Under 49 U.S.C. 5304(g), each state is required to produce a Statewide Transportation Improvement Plan (STIP) to document a statewide intermodal program of transportation projects. The STIP covers a timeframe of four years at a minimum, and is produced in collaboration between metropolitan planning organizations, public transit providers and other regional/state level transportation planning organizations.

PRHTA has developed a STIP that covers fiscal years 2019 to 2022 (STIP 2019-2022), in collaboration with the MPO in compliance with federal requirements. As of the production of this TAMP, an addendum to this STIP was submitted for approval – future iterations of this TAMP will reflect any changes to the STIP 2019-2022 from this addendum and any following addendum.

### 7.2 INVESTMENT PLANNING

Investment planning is a process that interfaces with many different functions of the municipalities – the strategy, operations, maintenance, finance, procurement and grants management functions, among others, need to interact with one another to develop a sound investment plan. In the case of the

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<sup>20</sup> The UPWP is an annual or biennial document that identifies the planning priorities and activities to be carried out within a metropolitan planning area. It is used to monitor the expenditure of FHWA and FTA funds, and is required under 23 CFR 450.308(b).



municipalities, this process is organic, and a step-by-step detailed process flow has not yet been developed, which has caused challenges in making informed decisions around investment planning. Through the development of this TAMP, this need has been identified, along with some opportunities to improve (refer to Section 10 for improvements).

### **7.2.1 ACQUISITION STRATEGY**

Investment needs are identified by the respective departments in charge of transit operations through operations and maintenance staff. Those needs are then submitted to the municipality's Mayor for preliminary approval before beginning the RFP or procurement process.

Capital projects that require FTA funds are submitted to the MPO for evaluation; the MPO has an evaluation process which require the following:

1. Justification of the project, the need and the project's benefit
2. Demonstration of how the project will improve mobility, safety and security of the transit service
3. Evidence of the availability of local funds to match federal funds. The project must have a reasonable cost and provide an independent cost estimate
4. Compliance with all federal requirements, including compliance with the Drug and Alcohol Program and ADA legislation.

Once projects have been evaluated, they are selected to go into the STIP depending on available funds. Once all the projects have been included into the STIP for the Fiscal Year, the MPO approves the STIP and sends it to the FTA, who will then approve and disseminate funds accordingly. Federal funding for sub-recipients is administered through PRHTA. The federal funds are usually on a reimbursement basis, meaning that the municipalities must spend first before getting reimbursed by the FTA.

### **7.2.2 OPERATIONS STRATEGY**

Management of the municipal transit services falls on either the planning, public works or elderly/disabled care departments, depending on the type of service offered. Fixed route and demand response services are run by the municipal planning departments and public works departments, and the paratransit and dedicated fleets are usually managed by the elderly/disabled care departments.

### **7.2.3 MAINTENANCE STRATEGY**

Regular maintenance procedures, such as oil changes, tune-ups and overhauls are scheduled in line with the manufacturer's recommendations on time and/or mileage of the vehicle. These procedures are coordinated between a municipal administrator in charge of transportation and the in-house maintenance facility. If a municipality does not have an in-house maintenance facility, the administrator will seek cost estimates from at least three different private workshops and choose the workshop that is the most appropriate.

Vehicles are checked regularly by the drivers; issues are reported upwards to the administrator who then schedules repairs in a process akin to the regular maintenance procedures.

### **7.2.4 DISPOSAL STRATEGY**

When an asset reaches the ULB, it is assessed whether it is more economically feasible to dispose/sell and replace or if the asset is still in good working order and can continue to be used. If the decision is made to

dispose of a federally funded asset, the disposal process is done in accordance to the disposition methods found in the FTA Circular 5010.E and 2 CFR Section 200.313 - Equipment (e) Disposition. This allows the asset, following instruction to do so by the FTA, to be sold at fair market value and the municipalities to deduct \$500 or 10% of the sale proceeds (whichever is less) from the repayable federal share. If the FTA does not instruct the asset to be sold, it may be transferred to another non-federal agency, for example one of the other municipalities.

## 8. PERFORMANCE

### 8.1 PERFORMANCE GOALS AND OBJECTIVES

Performance goals and objectives for rolling stock were defined for the municipalities by PRHTA as part of the 2020 NTD reports, see Appendix G for more details. It is important to note that the performance goals set by PRHTA took in the total fleet and assumed that active start date for all assets are known. However, because many assets have unknown active start dates, analysis of current performance cannot be completed for the whole asset inventory. The performance goals for the facilities were derived from the capital investments with federal funds outlined in the STIP, which considers the following:

1. Capital projects marked for a certain fiscal year would be completed by the following fiscal year.
2. Facility rehabilitation projects would bring facilities to an overall facility condition rating score higher than 3.0.
3. Improvements made to facilities using local funding only are not considered.

Table 20 below shows the performance goals for fiscal years 2020 and 2021.

Asset Type	No. of Assets	No. of Assets with Known Age	No. of Assets not in an SGR	% Assets not in an SGR	FY 2020 Performance Goal (% over ULB)	FY 2021 Performance Goal (% over ULB) <sup>21</sup>
<b>Rolling Stock</b>	<b>630</b>	<b>474</b>	<b>179</b>	<b>37.7%</b>		
AO - Automobile	2	2	2	100.0%	24%	-
BU - Bus	14	11	6	54.5%	17%	-
CU – Cutaway Bus	184	119	29	24.4%	15%	-
MB - Minibus	255	195	79	40.5%	10%	-
ORTV – Other Road Tired Vehicles	2	2	1	50.0%	62%	-
VN – Van	170	151	66	43.7%	40%	-
Unknown Types	3	-	-	-	-	-

<sup>21</sup> Performance Goals for Rolling Stock and Equipment vehicles in FY2021 have yet to be developed and will be updated in subsequent TAMPs.

Asset Type	No. of Assets	No. of Assets with Known Age	No. of Assets not in an SGR	% Assets not in an SGR	FY 2020 Performance Goal (% over ULB)	FY 2021 Performance Goal (% over ULB) <sup>21</sup>
<b>Facilities</b>	<b>89</b>	<b>-</b>	<b>24</b>	<b>27%</b>		
Administrative/ Maintenance Facilities	2	2	0	0%	0%	0%
Passenger Terminals/ Parking Facilities	87	87	24	27.6%	22.7%	22.7%
<b>Equipment</b>	<b>21</b>	<b>14</b>	<b>3</b>	<b>21%</b>		
AO - Automobile	2	1	0	0%	24%	-
ORTV – Other Road Tired Vehicles	19	13	3	27.6%	62%	-

Table 20 - Performance Goals

# 9. INVESTMENT PRIORITIZATION

## 9.1 CRITERIA FOR INVESTMENT PRIORITIZATION

According to the TAM Final Rule, TAMPs are to include a prioritized list of proposed projects and programs in order to reach their SGR goals. The capital projects included in this TAMP were derived from the STIP 2019-2022 as it is the most accessible formal document that captures the details of all capital projects. As the municipalities continue to improve their decision-making tools and prioritization processes, future iterations of this TAMP may include proposed capital projects as well as approved capital projects.

The STIP outlines proposed distribution of federal funds assigned to Puerto Rico through the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) programs. The portions pertaining to funds designated for urbanized areas are developed by PRHTA, the relevant MPO Policy Board, transit operators and other state-level planning agencies. This iteration of the STIP covers all approved and anticipated grant requests for FY 2019-2022, including both capital investment and operational assistance related requests.

Also included in the STIP is a consolidated a list of general transportation priorities. t It is important to note that the priorities listed are not ranked. The priorities, categorized into three overarching areas, are as follows:

<b>SAFETY</b>	<ul style="list-style-type: none"> <li>- Regional projects and projects involving several municipalities</li> <li>- Carryover projects</li> <li>- Construction of transportation facilities</li> <li>- Construction of shelters/ stop for transportation services</li> <li>- Preventive maintenance cost for transit vehicles</li> <li>- Construction of facilities for maintenance garage for transit vehicles</li> <li>- Transit security and transit safety projects</li> </ul>
<b>RELIABILITY/SGR</b>	<ul style="list-style-type: none"> <li>- Capital and operating expenses that support new public transportation services and alternatives beyond those required by the Americans with Disabilities Act of 1990 (ADA)</li> <li>- State of Good Repair Program</li> <li>- Public transportation projects of high impact investment</li> <li>- Continuity projects</li> <li>- Improvements of existing transportation facilities</li> <li>- Acquisition of transit and paratransit vehicles to start, maintain or expand local and regional services</li> </ul>
<b>SERVICE EXPANSION</b>	<ul style="list-style-type: none"> <li>- Operational assistant to paratransit services</li> <li>- Transit enhancement</li> <li>- Transportation projects for elderly and handicapped</li> <li>- Capital, planning and operating expenses that support the development and maintenance of transportation services designed to transport low-income individuals to and from jobs and activities related to their employment and to support reverse commute projects</li> <li>- Bus and Bus Facilities program</li> </ul>

Table 21 – List of Investment Priorities

Though several municipalities are direct grantees of the FTA and do not require additional approval for grant requests, PRHTA typically plays a significant role in administering the grant selection and awarding process. Before 2020, PRHTA nor the municipalities have not needed to prioritize grants because the total

amount of grant requests has been under the total amount allocated by FTA. Following a grant submission workshop held by PRHTA for the municipalities in late 2019, however, the total amount requested by the municipalities in 2020 has exceeded the total amount allocated, causing a need for PRHTA to develop a prioritization process for the first time. The municipalities, too, have yet to develop a prioritization process for investments and have submitted a significantly higher amount of grant requests in 2020 than the year before.

PRHTA and the municipalities are currently developing their investment prioritization process and will include the process, as well as a list of prioritized investments in subsequent TAMPs. The following section, therefore, will provide a summary of all federally funded capital investments included in the STIP 2019-2022.

## 9.2 CAPITAL BUDGET

There are several funding sources that are used to fund the capital budget of the municipalities. They are as follows:

Grant	Description	Eligible Recipients
5307 – Urbanized Area Formula Grants	Funding for transit capital and operating assistance in urbanized areas and for transportation funding.	Large Urbanized Areas (over 200,000 residents) and Small Urbanized Areas (50,000-200,000 residents)
5310 - Enhanced Mobility of Seniors & People with Disabilities program	Program and funding to improve mobility for seniors and individuals with disabilities by removing barriers to transportation service and expanding transportation mobility options.	All Areas
5311 – Formula Grants for Rural Areas	This program provides capital, planning, and operating assistance to support public transportation in rural areas with populations less than 50,000.  This includes the Rural Transit Assistance Program (RTAP) which supports rural transit providers through training, technical and administrative assistance.	Rural Areas (under 50,000 residents), groups or communities identified by the Bureau of Indian Affairs.
5324 – Public Transportation Emergency Relief Program	Funding for eligible emergency relief operating costs, including evacuation services, rescue operations, temporary public transportation service and re-establishing, expanding or relocating public transportation route service before, during, or after an emergency.	All Areas

5337 – State of Good Repair Grants	Capital assistance for maintenance, replacement and rehabilitation projects of high-intensity fixed guideway and bus systems to help transit agencies maintain assets in a state of good repair.	Urbanized Areas with fixed guideway and high intensity motorbus systems in revenue service for at least 7 years.
5339 – Grants for Bus and Bus Facilities	Funding to replace, rehabilitate and purchase buses and related equipment and to construct bus-related facilities including technological changes or innovations to modify low or no emission vehicles or facilities.	Recipients and subrecipients that operate fixed route bus service or that allocate funding to fixed route bus operators.

Table 22 - Funding Sources

The total cost of all municipal capital projects from 2019-2022 is over \$161 million, as shown in Table 23 below.

**State-wide Capital Projects**

Policy Board	2019	2020	2021	2022	Grand Total
SJUA	\$55,328,677	\$8,809,913	\$5,120,800	\$2,166,145	\$71,425,535
AUA	\$5,803,392	\$899,083	\$411,912	\$411,912	\$7,526,299
UZA	\$49,822,759	\$13,741,810	\$12,479,315	\$4,008,952	\$80,052,836
NUA	\$1,081,445	\$678,326	\$678,326	\$-	\$2,438,097
<b>Grand Total</b>	<b>\$112,036,273</b>	<b>\$24,129,132</b>	<b>\$18,690,353</b>	<b>\$6,587,009</b>	<b>\$161,442,767</b>

Table 23 – State-wide Capital Projects by Area (includes both Federal and State Funds)

Table 24 below shows the total federal share of all the municipal capital projects from 2019-2022.

**State-wide Capital Projects (Federal Funds Only)**

Urbanized Area	2019	2020	2021	2022	Grand Total
SJUA	\$46,271,347	\$7,541,592	\$4,824,653	\$1,810,507	\$60,448,099
AUA	\$4,744,330	\$868,706	\$411,912	\$411,912	\$6,436,860
UZA	\$49,326,098	\$13,741,810	\$12,479,315	\$4,008,952	\$79,556,175
NUA	\$1,081,625	\$678,326	\$678,326	\$-	\$2,438,277

<b>Grand Total</b>	<b>\$101,423,400</b>	<b>\$22,830,434</b>	<b>\$18,394,206</b>	<b>\$6,231,371</b>	<b>\$148,879,411</b>
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Table 24 – State-wide Capital Projects by Area (Federal Funds only)

Overall, federal funding accounts for over 92.3% of all municipal capital project funding. The total capital investments by purpose and year for each municipality, along with their asset inventory, can be found in Appendix H. A detailed look at each individual capital project and the funds apportioned for those projects is not included in this TAMP but can be found in the *Puerto Rico Highway and Transportation Authority Statewide Transportation Improvement Program (STIP) Fiscal Years 2019-2022*.

Tables 25 to 28 break down the capital funding source by urbanized areas.

### SJUA Capital Projects

Funding Source	2019	2020	2021	2022	Grand Total
Section 5307	\$33,525,392	\$4,873,803	\$4,570,466	\$1,556,320	\$44,525,981
Section 5307 - Special Assistance	\$4,598,577	\$-	\$-	\$-	\$4,598,577
Section 5310	\$1,125,398	\$254,187	\$254,187	\$254,187	\$1,887,959
Section 5339	\$4,421,980	\$2,413,602	\$-	\$-	\$6,835,582
Section 5339 (Carryover from 2017)	\$2,600,000	\$-	\$-	\$-	\$2,600,000
<b>Grand Total</b>	<b>\$46,271,347</b>	<b>\$7,541,592</b>	<b>\$4,824,653</b>	<b>\$1,810,507</b>	<b>\$60,448,099</b>

Table 25 - San Juan Urbanized Area (SJUA) Capital Projects by Funding Source

### AUA Capital Projects

Funding Source	2019	2020	2021	2022	Grand Total
Section 5307	\$3,495,906	\$316,019	\$50,480	\$50,480	\$3,912,885
Section 5307 - Special Assistance	\$597,393	\$-	\$-	\$-	\$597,393
Section 5310	\$471,031	\$552,687	\$361,432	\$361,432	\$1,746,582



Section 5339	\$180,000	\$-	\$-	\$-	\$180,000
<b>Grand Total</b>	<b>\$4,744,330</b>	<b>\$868,706</b>	<b>\$411,912</b>	<b>\$411,912</b>	<b>\$6,436,860</b>

Table 26 – Aguadilla Urbanized Area (AUA) Capital Projects by Funding Source

**UZA Capital Projects**

Funding Source	2019	2020	2021	2022	Grand Total
Section 5307	\$44,019,874	\$12,617,422	\$12,479,315	\$4,008,952	\$73,125,563
Section 5310	\$1,978,343	\$-	\$-	\$-	\$1,978,343
Section 5337	\$1,986,642	\$-	\$-	\$-	\$1,986,642
Section 5339	\$1,341,239	\$1,124,388	\$-	\$-	\$2,465,627
<b>Grand Total</b>	<b>\$49,326,098</b>	<b>\$13,741,810</b>	<b>\$12,479,315</b>	<b>\$4,008,952</b>	<b>\$79,556,175</b>

Table 27 – Group Urbanized Areas (UZA) Capital Projects by Funding Source

**NUA Capital Projects**

Funding Source	2019	2020	2021	2022	Grand Total
Section 5310	\$198,529	\$-	\$-	\$-	\$198,529
Section 5311	\$696,486	\$678,326	\$678,326	\$-	\$2,053,138
Section 5311 - RTAP	\$186,610	\$-	\$-	\$-	\$186,610
<b>Grand Total</b>	<b>\$1,081,625</b>	<b>\$678,326</b>	<b>\$678,326</b>	<b>\$-</b>	<b>\$2,438,277</b>

Table 28 – Non-Urbanized Areas (NUA) Capital Projects by Funding Source

# 10. OPPORTUNITIES FOR IMPROVEMENT

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Through the completion of this TAMP, the 78 Municipalities and PRHTA have uncovered a number of opportunities to improve the administration of transit services as well as the production of future TAMPs.

## **Further development of TAMP**

As this TAMP is the first for the municipalities, it is a process of continual improvement.

A best practice TAMP is based on these elements.

1. Appropriate asset data to support a mature decision process for prioritizing asset interventions
2. Analysis tools in place to exploit this data
3. An integrated longer-term planning process, ideally at least ten years, that provides a consistent approach to investment against the agency objectives, themselves ideally quantified, 'SMART' targets
4. Subject Matter Expert-based asset class and system strategies to support this integrated planning process
5. A systematic move towards risk-based decision making against agency targets, which would include both risk-based replacement and risk-based maintenance, making use of established techniques from other transit agencies globally
6. An articulated 'Asset Management System' that defines the elements of processes and procedures, roles and responsibilities for good transit asset management

This goal is best approached through a coordinated improvement plan over some years, making good use of lessons learned elsewhere.

The aim is to develop a TAMP improvement plan for the next three years, based around these two key activities:

1. Jointly put in place TAMP awareness training for key asset decisions makers. Wider awareness of good practice will support the municipalities in exploiting useful approaches that are appropriate to their size and complexity, and focus effort on their TAMP improvements through a 'roadmap' to be developed in the coming months
2. Each municipality to maintain its transit asset inventory through the spreadsheets developed for this TAMP and making good use of the standardized templates for NTD reporting. It is important to maintain the asset inventories collected for this TAMP as the assets are replaced.

## **Decision Support Tools for Investment Prioritization for future TAMPs**

For investment or capital decision making, two decision approaches will be developed in parallel for future TAMPs.

1. Use each municipality’s asset inventory spreadsheets, as above, to start to build up lifecycle renewal requirements by asset over the next ten years, initially using installation date and Useful Life Benchmarks appropriate to our context. This will give a better view of what renewals (replacements and major refurbishments) to plan for.
2. A checklist approach by high level organizational goal will be developed to capture what improvements any proposed project is targeting, to allow projects to be prioritized. This would include a straightforward scoring scheme (e.g. 0 for N/A, 1 for Moderate, 2 for Major) to begin with.

<b>Organizational Goal</b>	<b>Not applicable</b>	<b>Moderate improvement</b>	<b>Major improvement</b>	<b>Explanation Notes</b>
Customer safety				
Employee safety				
Compliance				
Customer satisfaction				
Age > ULB				
Condition < 2.5				
Reliability impact on Ops				
Save money				

It is proposed that anyone putting forward a proposed project completes this to the best of their knowledge, and then this is viewed by a funding working group to check scores and use the results to rank projects for funding.

In parallel with this, we will look to develop early asset class strategies to address any asset class that is at or exceeds its class ULB – that includes Passenger Terminals, Parking Facilities, and Vans. These strategies are best done using a working group of internal SMEs facilitated by an AM practitioner. Asset class strategies are a useful tool to pick up collective experience on how to improve the management of each class.

Furthermore, development of a simple whole life cost profile for the Municipalities’ assets would provide valuable information for use in capital planning and decision-making. Along with initial acquisition costs, current operating and maintenance costs could be aggregated to understand total spending levels. A more accurate level of investment could then be tied to asset age, condition, or performance. Asset profiles of other transit operators, available in the public domain, should be used as a model for the Municipalities.

The Municipalities are also committed to the following actions in order to provide a reliable, safe and accessible bus and paratransit service to all its customers.

### **National Transit Database Reporting**

While some municipalities report their asset inventories directly into FTA NTD, some municipalities require the support from PRHTA to fulfil this reporting requirements.

The MPO, together with the individual municipalities, and with support from PRHTA, will develop a simple process to follow NTD reporting process and manage the reporting, to ensure that all municipalities report directly into NTD, based on a complete, accurate and up to date asset inventory (see above).

### **Understanding Demand**

In order to effectively predict current and future investment needs, the municipalities will more accurately monitor and track demand for their services. The municipalities will move to counting riders and service requests.

### **Grant Request Process**

For 2020 and the following years, PRHTA shall increase its efforts to support the municipalities in the process of requesting federal transit grants, making sure that investment needs are covered. This will help the municipalities to continue to provide a safe and reliable service to their communities.

The municipalities as administrative units are for the most part smaller organizations, yet still managing all concerns of their communities and organizing services for the entire population. It is apparent that some of the FTA requirements for Tier II transit providers are difficult to fulfil for some municipalities.

# APPENDICES

# Appendix A MUNICIPALITIES AND TYPE OF SERVICE

## A.1 LIST OF MUNICIPALITIES AND THEIR RESPECTIVE TYPES OF SERVICE

Fixed Route – A form of public transit bus or ferry service without any regular deviation from schedules or course.

Demand Response – a form of shared private transport (or quasi-public) for groups travelling where vehicles alter their routes based on particular transport demand rather than using a fixed route or timetable.

Municipality	Type of Service
Adjuntas	Fixed Route
Aguada	
Aguadilla	Demand Response
Aguas Buenas	Fixed Route, Demand Response
Aibonito	Fixed Route
Añasco	Fixed Route
Arecibo	
Arroyo	Demand Response
Barceloneta	Fixed Route, Demand Response
Barranquitas	Demand Response
Bayamón	Fixed Route, Demand Response
Cabo Rojo	
Caguas	Fixed Route, Demand Response
Camuy	Fixed Route
Canóvanas	Fixed Route
Carolina	Fixed Route, Demand Response
Cataño	Fixed Route, Demand Response
Cayey	Fixed Route, Demand Response
Ceiba	
Ciales	Fixed Route, Demand Response
Cidra	
Coamo	Fixed Route, Demand Response
Comerio	

Corozal	
Culebra	
Dorado	Fixed Route, Demand Response
Fajardo	
Florida	Demand Response
Guánica	
Guayama	
Guaynabo	Fixed Route, Demand Response
Gurabo	
Guyanilla	Fixed Route, Demand Response
Hatillo	Fixed Route
Hormigueros	
Humacao	Fixed Route, Demand Response
Isabela	Fixed Route, Demand Response
Jayuya	Fixed Route, Demand Response
Juana Díaz	
Juncos	
Lajas	Fixed Route, Demand Response
Lares	Fixed Route
Las Marías	Fixed Route, Demand Response
Las Piedras	Demand Response
Loíza	
Luquillo	Fixed Route, Demand Response
Manatí	Fixed Route, Demand Response
Maricao	
Maunabo	Fixed Route
Mayagüez	
Moca	Demand Response
Morovis	Demand Response
Naguabo	
Naranjito	
Orocovis	Fixed Route, Demand Response
Patillas	
Peñuelas	Fixed Route
Ponce	Fixed Route, Demand Response
Quebradillas	Fixed Route, Demand Response
Rincón	Fixed Route, Demand Response

Río Grande	
Sabana Grande	
Salinas	Fixed Route, Demand Response
San Germán	
San Juan	
San Lorenzo	
San Sebastián	Fixed Route, Demand Response
Santa Isabel	Fixed Route
Toa Alta	Fixed Route, Demand Response
Toa Baja	Fixed Route, Demand Response
Trujillo Alto	Fixed Route
Utua	
Vega Alta	Fixed Route, Demand Response
Vega Baja	Fixed Route, Demand Response
Vieques	Fixed Route, Demand Response
Villaba	Fixed Route
Yabucoa	Fixed Route, Demand Response
Yauco	Fixed Route, Demand Response



# Appendix B DETAILED MAPS OF URBANIZED AREAS

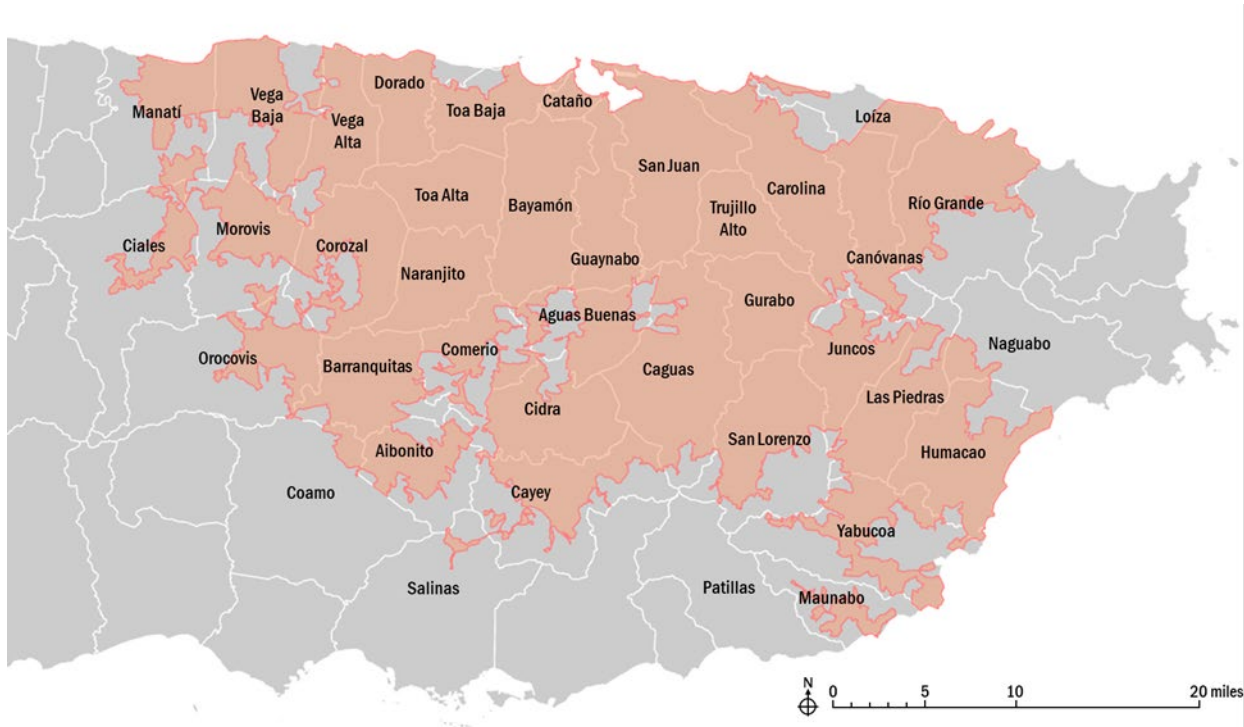


Figure 8 - Map of San Juan Urbanized Area (SJUA)



Figure 9 - Map of Aguadilla Urbanized Area (AUA)

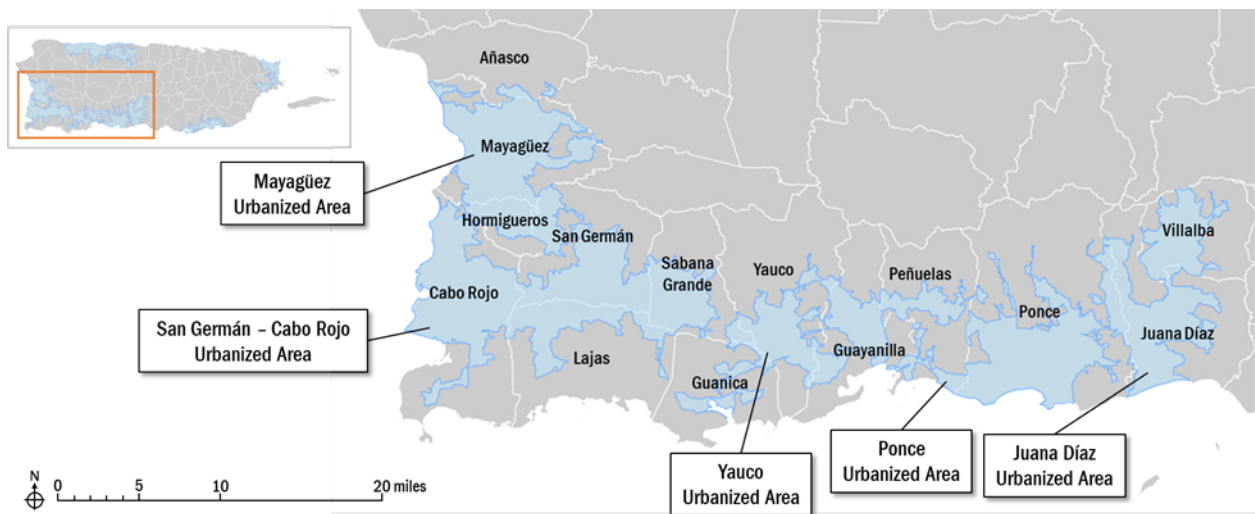


Figure 10 - Map of Southwestern Urbanized Areas in the Urbanized Area Group (UZA)

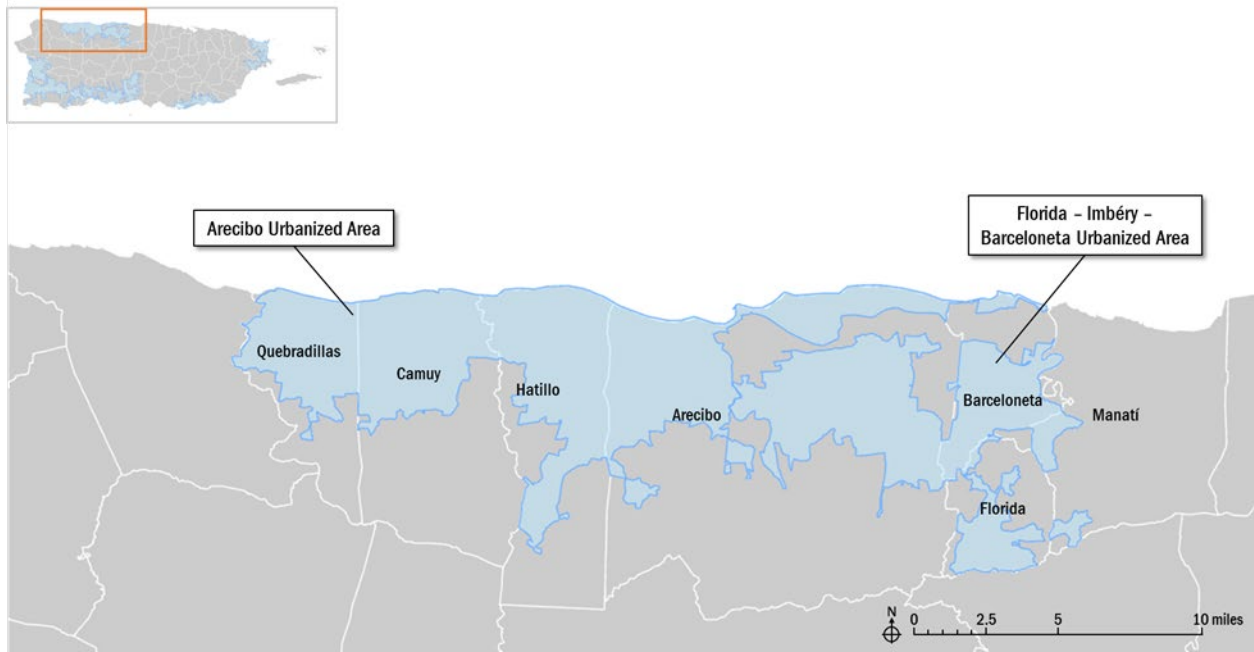


Figure 11 - Map of Northwestern Urbanized Areas in the Urbanized Area Group (UZA)

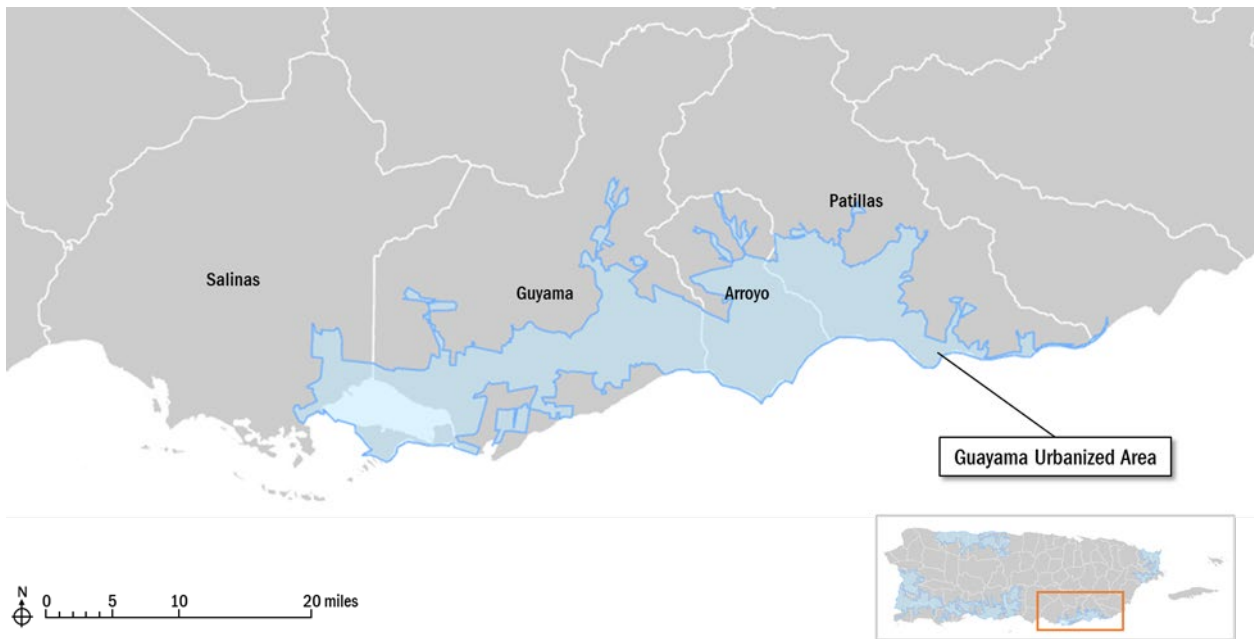


Figure 12 - Map of Southeastern Urbanized Areas in the Urbanized Area Group (UZA)

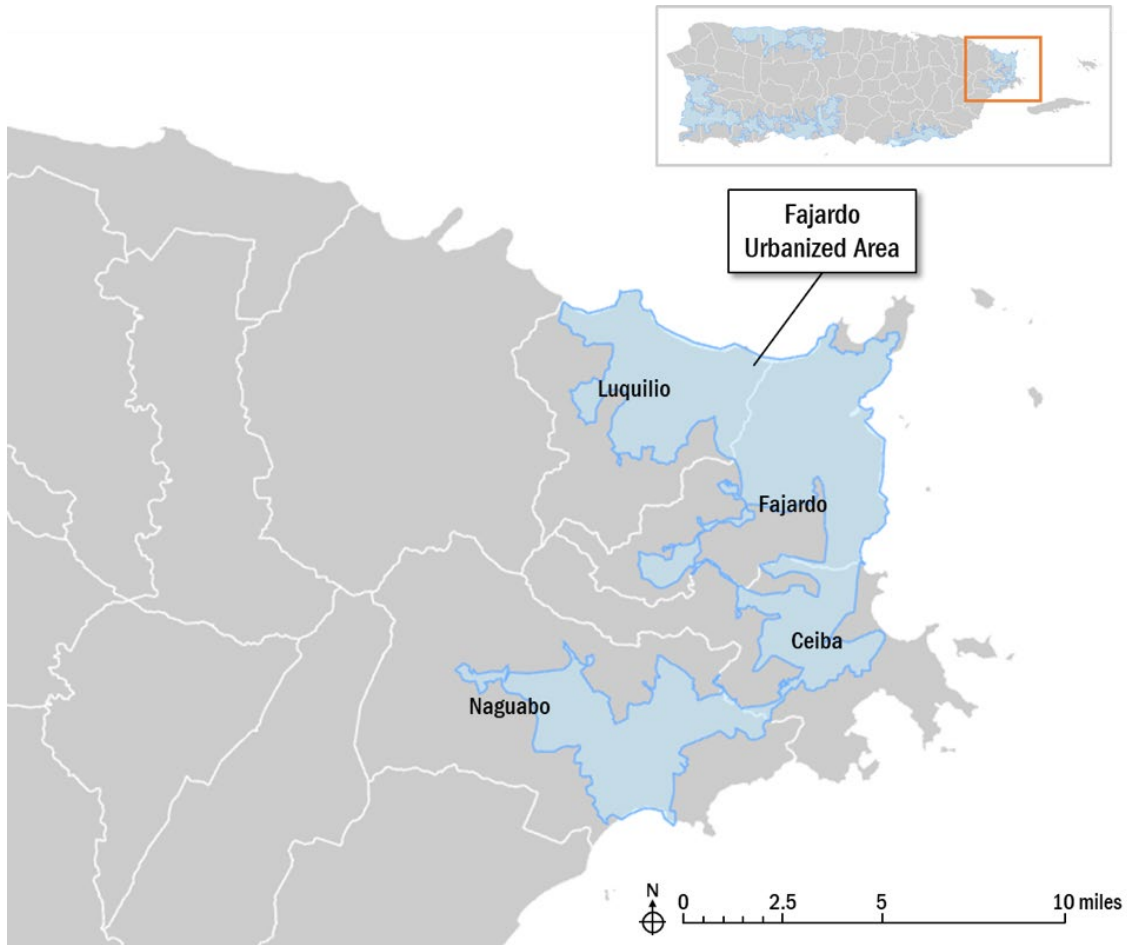


Figure 13 - Map of Northeastern Urbanized Areas in the Urbanized Area Group (UZA)

# Appendix C    DETAILED ROLLING STOCK ASSET INVENTORY

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Entity Name	Asset Type	Model	License Plate	VIN	In-Service Date	ULB (years)	End of Useful Life (Year)
Adjuntas	CU - Cutaway Bus	Dodge RAM 3500	MU-6187	2B6LB31254K170147	6/23/2001	8	2009
Adjuntas	CU - Cutaway Bus	Dodge RAM 3500	MU-6186	2B6LB31Z1K170688	6/23/2001	8	2009
Adjuntas	MB - Minibus	Freightliner M1319FD	MU-5252		8/12/1999	8	2007
Adjuntas	MB - Minibus	Bluebird CS Transhuttle	MU-10358	1BAGBCPA03F213406	2/25/2004	8	2012
Aguada	CU - Cutaway Bus	Ford Econoline E450	MU-21525	1FDDE4FS8HDC25519	5/24/2017	8	2025
Aguada	VN - Van	Ford Transit T-350 HD	MU-22735	1FTRS4XG7HKA42810	8/3/2017	6	2023
Aguada	VN - Van	Ford Econoline E350	MU-16091	1FTDS3EL1ADA93427		6	
Aguada	MB - Minibus	Freightliner M-LINE Shuttle	MU-13380	4UZAACBW07CY95113		8	
Aguada	CU - Cutaway Bus	Chevrolet Express Cutaway	MU-9266	1GBJG316X1217374		8	
Aguada	MB - Minibus	Freightliner M-LINE Shuttle	MU-13469	4UZAACBW07CY95112		8	
Aguadilla	MB - Minibus	Chevrolet Express	MU19643	1GB6G5BLXE1132196	2/1/2014	8	2022
Aguadilla	MB - Minibus	Chevrolet Express	MU19644	1GB6G5BL8E1132570	2/1/2014	8	2022
Aguadilla	MB - Minibus	Chevrolet Express	MU19645	1GB6G5BL3E1132282	2/1/2014	8	2022
Aguas Buenas	VN - Van	Ford Transit T-350 HD	MU-22742	1FTRS4XG8HKA41553	8/3/2017	6	2023
Aguas Buenas	VN - Van	Ford Transit T-350 HD	MU-22923	1FTRS4XG5HKA42840	1/9/2018	6	2024
Aibonito	CU - Cutaway Bus	El Dorado National Aerotech	MU-19909	1FDDE4FSOFDA06969	2/13/2015	8	2023
Aibonito	CU - Cutaway Bus	Ford Econoline 450	MU-21500	1FDDE4FS9HDC19146	12/24/2016	8	2024
Aibonito	CU - Cutaway Bus	Ford Transit 350	MU-22747	1FTRS4XG9HKA41545	8/3/2017	8	2025
Añasco	VN - Van	Ford Transit	MU-22751	1FTRS4XG1HKA42799	1/9/2018	6	2024
Añasco	VN - Van	Ford Transit	MU-22752	1FTRS4XG0HKA41546	1/9/2018	6	2024

Añasco	VN - Van	Ford Transit	MU-22753	1FTRS4XG0HKA42793	1/9/2018	6	2024
Añasco	CU - Cutaway Bus	Ford E450	MU-21527	1FDFF4FS6HDC22215	5/24/2017	8	2025
Añasco	VN - Van	Ford Transit	MU-22754	1FTRS4XG2HKA42830	1/9/2018	6	2024
Añasco	VN - Van	Ford Transit	MU-22755	1FTRS4XG2HKA42858	1/9/2018	6	2024
Añasco	CU - Cutaway Bus	Ford E450	MU-21513	1FDFF4FSXHDC22220	12/24/2016	8	2024
Arecibo	MB - Minibus	Freightliner M-Line Shuttlebus	MU-17953	4UZAEDT1CCBV1814		8	
Arecibo	MB - Minibus	Freightliner M-Line Shuttlebus	MU-17869	4UZAEDTXCCBV1813		8	
Arecibo	CU - Cutaway Bus	Chevrolet Express G3500	MU-17951	1GB3G2BL6C1134154		8	
Arecibo	VN - Van	Ford Transit	MU-22743	1FTRS4XG6HKA41552	1/9/2018	6	2024
Arroyo	CU - Cutaway Bus	Ford E-450	MU21501	1FDFF4FS7HDC20764	12/24/2016	8	2024
Arroyo	VN - Van	Ford Transit 350HD	MU22741	1FTRS4XG1HKA41555	8/3/2017	6	2023
Barceloneta	MB - Minibus	Freightliner M-Line Shuttlebus	MU-10407	4UZAACBW24CN02500		8	
Barceloneta	CU - Cutaway Bus	Chevrolet Express G4500	MU-20689	1GB6GUBL5G1119479		8	
Barceloneta	CU - Cutaway Bus	Ford E450 Econoline Super Duty Van	MU-23152	1FDFF4FS6KDC38406		8	
Barceloneta	CU - Cutaway Bus	Ford E450 Econoline Super Duty Van	MU-23153	1FDFF4FS8KDC38407		8	
Barceloneta	VN - Van	Dodge Ram B3500	MU-9971	2D7LB31Z53K518880		6	
Barceloneta	VN - Van	Chevrolet Express G3500	MU-13550	1GBJG312271164585		6	
Barceloneta	VN - Van	Chevrolet Express G4500	MU-18561	1GB6G5BL5E1156406		6	
Barceloneta	VN - Van	Chevrolet Express	MU-20687	1GB6GUBL161119771		6	
Barceloneta	VN - Van	Ford Transit T-350 HD	MU-23151	1FTRS4XG8KKA90775		6	
Barceloneta	MB - Minibus	Freightliner M-Line Shuttlebus	MU-10408	4UZAACBW24CN02501		8	
Barceloneta	CU - Cutaway Bus	Chevrolet Express G4500	MU-16822	1GB6G5BL9C1112339		8	

Barceloneta	CU - Cutaway Bus	Chevrolet Express G4500	MU-16828	1GB6G5BL6C1113643		8	
Barceloneta	VN - Van	Ford Transit T-350 HD	MU-22732	IFTRS4XG0HKA42883	8/3/2017	6	2023
Barceloneta	VN - Van	Ford Transit T-350 HD	MU-22949	IFTRS4XG9HKA42811	1/9/2018	6	2024
Barceloneta	VN - Van	Chevrolet Express G3500	MU-8242	1GBHG31U251175714		6	
Barceloneta	MB - Minibus	Freightliner M-Line Shuttlebus	MU-13774	4UZAACBV87CZ50462		8	
Barceloneta	MB - Minibus	Freightliner M-Line Shuttlebus	MU-13765	4UZAACBV67CZ50461		8	
Barceloneta	MB - Minibus	Freightliner M-Line Shuttlebus	MU-12329	4UZAACDT09CAD6090		8	
Barceloneta	MB - Minibus	Freightliner M-Line Shuttlebus	MU-12331	4UZAACDT09CAD6091		8	
Barceloneta	MB - Minibus	Freightliner M-Line Shuttlebus	MU-15849	4UZAACDT7BCAU7775		8	
Barceloneta	MB - Minibus	Freightliner M-Line Shuttlebus	MU-19694	4UZAEDT0ECFX4449		8	
Barceloneta	CU - Cutaway Bus	Chevrolet Express G4500	MU-20688	1GB6GUBL0G1119633		8	
Barranquitas	MB - Minibus	Ford E-450	MU-189242	1FD4E4FS4CDB19738	1/9/2018	8	2026
Barranquitas	VN - Van	Ford Transit T-350 HD	MU-22924	IFTRS4XG5HKA42790	1/9/2018	6	2024
Bayamon	MB - Minibus	Freightliner INTERNATIONAL 3200 STARTRANS	MU-12535	4UZAACDU09CAH4492	8/14/2008	8	2016
Bayamon	MB - Minibus	Freightliner INTERNATIONAL 3200 STARTRANS	MU-15374	4UZAACDU29CAH4493	8/14/2008	8	2016
Bayamon	MB - Minibus	Freightliner VILLAGER	MU-12536	4UZAEDT7CCBP2057	10/17/2012	8	2020
Bayamon	CU - Cutaway Bus	CHEVROLET EXPRESS CARGO	MU-15513	1GBJG31K681231125	8/15/2008	8	2016
Bayamon	CU - Cutaway Bus	CHEVROLET EXPRESS CARGO	MU-15514	1GBJG31KX81232178	8/15/2008	8	2016
Bayamon	CU - Cutaway Bus	CHEVROLET EXPRESS CARGO	MU-15515	1GBJG31K681231674	8/15/2008	8	2016
Bayamon	CU - Cutaway Bus	Ford E350	MU-16392	1FDWE3FL0BDA73SS3	12/5/2011	8	2019
Bayamon	VN - Van	Ford EL DORADO VERSASHUTTLE	MU-19231	1FTDS3EL8CDB27057	7/16/2013	6	2019
Bayamon	MB - Minibus	Freightliner VILLAGER (Trolley Body)	MU-12537	4UZAEDT9CCBP7058	10/17/2012	8	2020
Bayamon	MB - Minibus	Freightliner VILLAGER (Trolley Body)	MU-21214	4UZAEDT6GCHD9080	6/14/2015	8	2023



Bayamon	MB - Minibus	Freightliner VILLAGER (Trolley Body)	MU-21215	4UZAEDT8GCHD9081	6/14/2015	8	2023
Bayamon	MB - Minibus	Freightliner VILLAGER (Trolley Body)	MU-21216	4UZAEDTXGCHD9082	6/14/2015	8	2023
Bayamon	MB - Minibus	Freightliner VILLAGER (Trolley Body)	MU-21217	4UZAEDT1GCHD9083	6/14/2015	8	2023
Bayamon	MB - Minibus	Freightliner VILLAGER (Trolley Body)	MU-22901	4UZADEF9CJT4430	11/14/2017	8	2025
Bayamon	MB - Minibus	Freightliner VILLAGER (Trolley Body)	MU-22902	4UZADEF0CJT4431	11/14/2017	8	2025
Bayamon	MB - Minibus	Freightliner VILLAGER (Trolley Body)	MU-22903	4UZADEF2CJT4432	11/14/2017	8	2025
Cabo Rojo	MB - Minibus	Ford Aerotech	MU19914	1FDFE4FS1FDA06978	2/13/2015	8	2023
Cabo Rojo	MB - Minibus	Ford Areotech	MU19915	1FDFE4FS3FDA06979	2/13/2015	8	2023
Cabo Rojo	MB - Minibus	Ford Areotech	MU19916	1FDFE4FSXFDA06980	2/13/2015	8	2023
Caguas	MB - Minibus	Freightliner M-Line Shuttlebus	MU-13241	4UZAACBW56CX84490	6/15/2007	8	2015
Caguas	CU - Cutaway Bus	Ford E-450 SD	MU-17520	1FDFE4FS2CDB23108	1/2/2015	8	2023
Caguas	CU - Cutaway Bus	Ford E-450 SD	MU-17518	1FDFE4FS0CDB23107	1/2/2015	8	2023
Caguas	CU - Cutaway Bus	Ford E-450 SD	MU-17519	1FDFE4FS0CDB23110	1/2/2015	8	2023
Caguas	CU - Cutaway Bus	Ford E-450 SD	MU-17521	1FDFE4FS2CDB23111	1/2/2015	8	2023
Caguas	CU - Cutaway Bus	Ford E-450 SD	MU-17508	1FDFE4FS4CBD23109	1/2/2015	8	2023
Caguas	CU - Cutaway Bus	Ford E-450 SD	MU-17509	1FDFE4FS5CBD23104	12/9/2014	8	2022
Caguas	CU - Cutaway Bus	Ford E-450 SD	MU-18401	1FDFE4FS7CBD23105	1/2/2015	8	2023
Caguas	CU - Cutaway Bus	Ford E-450 SD	MU-18402	1FDFE4FS9CBD23106	12/9/2014	8	2022
Caguas	CU - Cutaway Bus	Chevrolet Express	MU-19320	1GB3G2BG5C1198897	1/2/2015	8	2023
Caguas	CU - Cutaway Bus	Chevrolet Express	MU-19299	1GB3G2BG4C1198812	8/12/2014	8	2022
Caguas	MB - Minibus	Freightliner M-Line Shuttlebus	MU-13244	4UZAACBW97CX84493	3/1/2007	8	2015

Caguas	CU - Cutaway Bus	Chevrolet Express	MU-19298	1GB3G2BG7C1200049	8/12/2014	8	2022
Caguas	CU - Cutaway Bus	Chevrolet Express	MU-19297	1GB3G2BG7C1199601	9/17/2014	8	2022
Caguas	VN - Van	Ford Transit	MU-22731	1FTR54XG2HKA42844	8/15/2017	6	2023
Caguas	VN - Van	Ford Transit	MU-22737	1FTR54XG9HKA41562	8/15/2017	6	2023
Caguas	VN - Van	Ford Transit	MU-22756	1FTR54XG1HKA42804	2/9/2018	6	2024
Caguas	VN - Van	Ford Transit	MU-22757	1FTR54XG9HKA42789	2/9/2018	6	2024
Caguas	VN - Van	Ford Transit	MU-22758	1FTR54XG9HKA42798	2/9/2018	6	2024
Caguas	VN - Van	Ford Transit	MU-22759	1FTR54XG9HKA42808	3/28/2018	6	2024
Caguas	MB - Minibus	Freightliner M-Line Shuttlebus	MU-13243	4UZAACBW77CX84492	12/21/2007	8	2015
Caguas	MB - Minibus	Freightliner M-Line Shuttlebus	MU-13240	4UZAACBW76CX84488	5/8/2007	8	2015
Caguas	MB - Minibus	Freightliner M-Line Shuttlebus	MU-13242	4UZAACBW96CX84489	5/8/2007	8	2015
Caguas	MB - Minibus	Freightliner M-Line Shuttlebus	MU-13245	4UZAACBW57CX84491	5/8/2007	8	2015
Caguas	MB - Minibus	Freightliner M-Line Shuttlebus	MU-13246	4UZAACBW07CX84494	5/8/2007	8	2015
Caguas	MB - Minibus	Freightliner M-Line Shuttlebus	MU-13247	4UZAACBW27CX84495	5/8/2007	8	2015
Caguas	MB - Minibus	Freightliner M-Line Shuttlebus	MU-13525	4UZAACBW47CX84496	5/8/2007	8	2015
Camuy	MB - Minibus	Freightliner M-LINE SHUTTLEBUS	MU-14890	4UZAACDU98CAB4791	11/7/2008	8	2016
Camuy	CU - Cutaway Bus	Ford E-450	MU-21531	1DFE4FS3HDC23337	5/24/2017	8	2025
Camuy	VN - Van	Ford Econoline E350	MU-17186	1FTDS3EL2BDB24564	5/9/2012	6	2018
Camuy	VN - Van	Ford Econoline E350	MU-17185	1FTDS3ELXBDB24563	5/9/2012	6	2018
Camuy	MB - Minibus	Freightliner M-LINE SHUTTLEBUS	MU-14975	4UZAACDU98CAB4792	11/7/2018	8	2026
Camuy	MB - Minibus	Ford E-450 Aerotech	MU-21502	1DFE4S5HDC20763	12/24/2016	8	2024
Camuy	MB - Minibus	Freightliner M-LINE SHUTTLEBUS	MU-17912	4UZAEDT7CCBV6208	4/28/2012	8	2020
Camuy	VN - Van	Ford Transit	MU-22904	1FTR544G0HKA42812	1/9/2018	6	2024
Camuy	VN - Van	Ford Transit	MU-22905	1FTR544G0HKA42826	1/9/2018	6	2024
Camuy	VN - Van	Ford Econoline E350	MU-19333	1FTDS3EL2CDB27068	7/16/2013	6	2019
Camuy	MB - Minibus	Freightliner M-LINE SHUTTLEBUS	MU-17913	4UZAEDT9CCBV6209	4/28/2012	8	2020

Camuy	VN - Van	Ford Transit	MU-22908	1FTR544G6HKA42846	1/9/2018	6	2024
Camuy	VN - Van	Ford Transit	MU-22907	1FTR544G0HKA42832	1/9/2018	6	2024
Camuy	VN - Van	Ford Transit	MU-22906	1FTR544G0HKA42829	1/9/2018	6	2024
Canovanas	MB - Minibus	Ford AEROTECH 240	MU-18989	1FD4E4FS2CDB19754	3/21/2013	8	2021
Canovanas	VN - Van	Ford Econoline 350	MU-17740	1FBSS3BL4DDA24624	10/11/2012	6	2018
Canovanas	MB - Minibus	Ford AEROTECH 240	MU-18990	1FD4E4FS4CDB19755	3/21/2013	8	2021
Canovanas	MB - Minibus	Ford Startcraft	MU-18065	1FD4E4FS1CDA96208	10/11/2012	8	2020
Canovanas	VN - Van	Ford VERSASHUTLE	MU-19226	1FTDS3EL3CDB27063	7/16/2013	6	2019
Canovanas	VN - Van	Ford VERSASHUTLE	MU-19325	1FTDS3EL2CDB27099	7/16/2013	6	2019
Canovanas	VN - Van	Ford VERSASHUTLE	MU-19338	1FTDS3EL0CDB27098	7/16/2013	6	2019
Canovanas	MB - Minibus	Ford Startcraft	MU-18063	1FD4E4FS6CDA96186	10/11/2012	8	2020
Canovanas	MB - Minibus	Ford Startcraft	MU-18064	1FD4E4FSXCDA96207	10/11/2012	8	2020
Canovanas	MB - Minibus	Ford Startcraft	MU-18062	1FD4E4FSXCDA96191	10/11/2012	8	2020
Canovanas	VN - Van	Ford Econoline 350	MU-15296	1FBSS3BL5ADA11828	10/11/2012	6	2018
Carolina	MB - Minibus	Bluebird Transit Bus	MU-13089	1BAGEBKA66F239327	6/10/2006	8	2014
Carolina	MB - Minibus	Bluebird Transit Bus	MU-13090	1BAGEBKA86F239328	6/10/2006	8	2014
Carolina	MB - Minibus	Bluebird Transit Bus	MU-13091	1BAGEBKAX6F239329	6/10/2006	8	2014
Carolina	MB - Minibus	Bluebird Transit Bus	MU-13579	1BAGEBKA86F248210	4/18/2007	8	2015
Carolina	MB - Minibus	Bluebird Transit Bus	MU-13578	1BAGEBKA16F248209	4/18/2007	8	2015
Carolina	MB - Minibus	Bluebird Transit Bus	MU-13582	1BAGEBKA36F248213	4/18/2007	8	2015
Carolina	MB - Minibus	Bluebird Transit Bus	MU-13581	1BAGEBKA16F248212	4/18/2007	8	2015
Carolina	CU - Cutaway Bus	Ford E350	MU-16029	1FDWE3FP3DA15793	10/29/2010	8	2018
Carolina	MB - Minibus	Bluebird Transit Bus	MU-13580	1BAGEBKAX6F248211	4/18/2007	8	2015
Carolina	MB - Minibus	International 3000	MU-16244	4DRBXAAN7CB343624	5/11/2011	8	2019
Carolina	MB - Minibus	International 3000	MU-15643	4DRBXAAN5CB343623	5/11/2011	8	2019
Carolina	MB - Minibus	International 3000	MU-16245	4DBBXAAN9CB343625	5/13/2011	8	2019
Carolina	MB - Minibus	International 3000	MU-16283	4DRBXAAN5CB373737	5/11/2011	8	2019
Carolina	MB - Minibus	International 3000	MU-16284	4DREXAAN3CB373736	5/13/2011	8	2019

Carolina	MB - Minibus	International 3000	MU-16281	4DRBXAAN9CB373739	5/22/2011	8	2019
Carolina	MB - Minibus	International 3000	MU-16282	4DRBXAAN7CB373738	5/11/2011	8	2019
Carolina	MB - Minibus	Bluebird XCEL102	MU-14512	1BDJEBKA67F251021	9/20/2007	8	2015
Carolina	MB - Minibus	Bluebird XCEL102	MU-14513	1BDJEBKA87F251022	9/20/2007	8	2015
Carolina	MB - Minibus	Bluebird XCEL102	MU-14514	1BDJEBKAX7F251023	9/20/2007	8	2015
Carolina	MB - Minibus	Bluebird XCEL102	MU-14515	1BDJEBKA17F251024	9/20/2007	8	2015
Carolina	MB - Minibus	Bluebird XCEL102	MU-14516	1BDJEBKA37F251025	9/20/2007	8	2015
Carolina	MB - Minibus	Bluebird XCEL102	MU-14517	1BDJEBKA57F251026	9/20/2017	8	2025
Carolina	MB - Minibus	Bluebird XCEL102	MU-14518	1BDJEBKA97F251027	9/20/2007	8	2015
Carolina	MB - Minibus	Bluebird XCEL102	MU-14519	1BDJEBKA97F251028	9/20/2007	8	2015
Carolina	MB - Minibus	Bluebird XCEL102	MU-14520	1BKJEBKA07F251029	9/20/2020	8	2028
Carolina	MB - Minibus	Bluebird XCEL102	MU-14521	1BDJEBKA77F251030	9/20/2007	8	2015
Carolina	CU - Cutaway Bus	Chevrolet Express G3500	MU-16028	1GB6G2B66A1119951	4/14/2018	8	2026
Carolina	CU - Cutaway Bus	Chevrolet Express G3500	MU-16030	1GB6G2B69A1120009	10/30/2010	8	2018
Carolina	CU - Cutaway Bus	Chevrolet Express G3500	MU-20983	1HA3GSCG7HN000214	10/30/2010	8	2018
Carolina	MB - Minibus	International 3000	MU-19348	4DRBXAAR3DB297407	6/2/2009	8	2017
Carolina	MB - Minibus	International 3000	MU-19347	4DRBXAARXDB297405	10/17/2013	8	2021
Carolina	MB - Minibus	International 3000	MU-19349	4DRBXAAR5DB297408	12/13/2013	8	2021
Carolina	MB - Minibus	International 3000	MU-19346	4DRBXAAR1DB297406	12/13/2013	8	2021
Carolina	MB - Minibus	Freightliner ARRIVO	MU-22383	4UZAEHFC9JCJT4233	12/13/2013	8	2021
Carolina	MB - Minibus	Freightliner ARRIVO	MU-22384	4UZAEHFCOJCJT4234	4/12/2018	8	2026
Carolina	MB - Minibus	Freightliner ARRIVO	MU-21872	4UZAEHFC3KCKP7812	1/30/2018	8	2026
Cataño	VN - Van	Ford Transit T-350 HD	MU-22927	1FTRS4XG4HKA42814	1/9/2018	6	2024
Cataño	MB - Minibus	Freightliner M-Line Shuttlebus	MU-1778	4UZAACDU8ACAP4507		8	
Cataño	MB - Minibus	Bluebird Transit Bus	MU-12722	1BAGBCPA43F213411		8	
Cataño	CU - Cutaway Bus	Ford E-450 Super Duty	MU-18995	1FDFF4FS5CDB23118	3/21/2013	8	2021

Cataño	CU - Cutaway Bus	Ford E-450 Super Duty	MU-18996	1FDFF4FS7CDB23119	3/21/2013	8	2021
Cayey	BU - Bus	Ford FREIGHTLINER	MU-7746	4UZAABBW82CK15184	2/23/2002	12	2014
Cayey	MB - Minibus	Ford 450 POWERSTROKE	MU-6759	1FDWE45F22HA50401	2/21/2002	8	2010
Cayey	MB - Minibus	Ford 450 POWERSTROKE	MU-6760	1FDWE45F42HA50402	2/21/2002	8	2010
Cayey	MB - Minibus	Ford AEROTECH	MU-16866	1GB6G5BLIB1129537	7/23/2011	8	2019
Cayey	MB - Minibus	Ford E-450 ECONOLINE	MU-21514	1FDFF4FS3HDC20762	1/10/2017	8	2025
Cayey	BU - Bus	Ford FREIGHTLINER	MU-7745	4UZAABBW62CK15183	3/21/2002	12	2014
Cayey	BU - Bus	Ford FREIGHTLINER	MU-7747	4UZAABBW42CK15182	3/2/2002	12	2014
Cayey	BU - Bus	Ford FREIGHTLINER	MU-8527	4UZAABBW93CK72575	5/24/2003	12	2015
Cayey	MB - Minibus	Ford E-450 ECONOLINE	MU-21528	1FDFF4FS8HDC23334	1/10/2017	8	2025
Cayey	MB - Minibus	Ford AEROTECH	MU-19378	1GB3G2BL3D1193180	9/19/2013	8	2021
Cayey	MB - Minibus	CHEVROLET EXPRESS	MU-16958	1GB062CL3B1134628	6/28/2011	8	2019
Cayey	MB - Minibus	CHEVROLET EXPRESS	MU-16957	1GB0G2CL7B1135040	6/28/2011	8	2019
Cayey	MB - Minibus	Ford AEROTECH	MU-19908	1FDFF4FS3FDA06965	1/27/2015	8	2023
Ceiba	VN - Van	Ford EL DORADO VERSASHUTTLE	MU-19335	1FTDS3EL8CDB27107	7/16/2013	6	2019
Ceiba	VN - Van	Ford EL DORADO VERSASHUTTLE	MU-19334	1FTDS3ELXCDB27108	7/16/2013	6	2019
Ciales	MB - Minibus	Ford Econoline Super Duty Van	MU-18940	1FDFF4FS2CDB19740	3/21/2013	8	2021
Ciales	MB - Minibus	Ford Econoline Super Duty Van	MU-18992	1FDFF4FS8CDB19757	3/21/2013	8	2021
Ciales	CU - Cutaway Bus	Ford Econoline Super Duty Van	MU-18907	1FDFF4FSXDDA20553		8	
Ciales	CU - Cutaway Bus	Ford Econoline Super Duty Van	MU-18920	1FDFF4FS7CDA87013		8	
Ciales	CU - Cutaway Bus	Ford EL DORADO VERSASHUTTLE	MU-19932	1FTDS3EL2CDB27071	7/16/2013	8	2021
Ciales	CU - Cutaway Bus	Ford Econoline E350 Super Duty Van	MU-19641	1FTDS3EL2DDA44645		8	
Cidra		Freightliner	MU-7804				
Cidra		Freightliner	MU-7805				
Cidra	VN - Van	Ford Econoline E-350	MU16927			6	

Cidra	VN - Van	Ford Transit 350HD	MU-22925	IFTRS4XG9HKA42825	1/9/2018	6	2024
Cidra	VN - Van	Ford Transit 350HD	MU-22926	IFTRS4XG9HKA42839	12/24/2016	6	2022
Cidra	MB - Minibus	Ford Econoline E-350	MU16310	IFDFE4FS1HDC20761	7/16/2013	8	2021
Cidra	VN - Van	Ford EL DORADO VERSASHUTTLE	MU-19328	1FTDS3EL3CDB27080	1/9/2018	6	2024
Coamo	VN - Van	Ford E-350 Versa Shuttle	MU-19331	1FTDS3EL3CDB27077	7/16/2013	6	2019
Coamo	VN - Van	Ford E-350 Versa Shuttle	MU-19336	1FTDS3EL7CDB27101	7/16/2013	6	2019
Coamo	VN - Van	Ford E-350 Versa Shuttle	MU-19337	1FTDS3EL5CDB27100	7/16/2013	6	2019
Coamo	MB - Minibus	Ford Econoline Aerotech 240	MU-19793	1FDFE4FS5FDA03727	2/13/2015	8	2023
Coamo	MB - Minibus	Ford Econoline Aerotech 240	MU-19794	1FDFE4FS7FDA03728	2/13/2015	8	2023
Coamo	MB - Minibus	Ford	MU-21518	1FDFE4FS1HDC22221	12/24/2016	8	2024
Coamo	MB - Minibus	Ford Econoline Aerotech 240	MU-21538	1FDFE4FS0HDC24848	3/24/2017	8	2025
Coamo	VN - Van	Ford Transit T-350 HD	MU-22939	1FTRS4XG9HKA42842	1/9/2018	6	2024
Comerio	CU - Cutaway Bus	Chevrolet Express	MU-17400	1GB3G3BL2E1201973		8	
Comerio	CU - Cutaway Bus	Chevrolet Express	MU-19930	1GB6G5BL6E1193559		8	
Comerio	CU - Cutaway Bus	Chevrolet Express	MU-19931	1GB6G5BL8E1193644		8	
Comerio	MB - Minibus	Ford E-450	MU-18948	1FDFE4FS7CDB19748	3/21/2013	8	2021
Corozal	MB - Minibus	Freightliner M-Line Shuttlebus	MU-17055	4UZADEDT1CCBS3236		8	
Corozal	MB - Minibus	Freightliner M-Line Shuttlebus	MU-17054	4UZADEDT3CCBS3237		8	
Corozal	MB - Minibus	Freightliner M-Line Shuttlebus	MU-17049	4UZAACBV84CN68301		8	
Corozal	VN - Van	Ford Econoline E-350	MU-19233	1FTDS3EL4CDB27055	7/16/2013	6	2019
Corozal	CU - Cutaway Bus	Ford E-450	MU-18941	1FDFE4FS4CDB19741	3/21/2013	8	2021
Corozal	VN - Van	Ford E-450	MU-21546	1FDFE4FS3HDC25511	3/24/2017	6	2023
Corozal	VN - Van	Ford E-450	MU-21547	1FDFE4FS5HDC25512	3/24/2017	6	2023
Dorado	MB - Minibus	Freightliner Odyssey XL	MU-16987	1FVACWDT4BHAX4634	12/9/2011	8	2019
Dorado	MB - Minibus	Freightliner Odyssey XL	MU-16988	1FVACWDT4BHAX4635	12/9/2011	8	2019
Dorado	MB - Minibus	Freightliner Odyssey XL	MU-16989	1FVACWDT4BHAX4636	12/9/2011	8	2019

Dorado	CU - Cutaway Bus	Ford E350 SUPER DUTY	MU-16394	1FDWE3FL2BDA95232	12/9/2011	8	2019
Dorado	CU - Cutaway Bus	Ford E350 SUPER DUTY	MU-17317	1FDWE3FL4BDA95233	12/9/2011	8	2019
Dorado	VN - Van	Ford Transit T-350	MU-22734	1FTRS4XG5HKA42823	9/1/2017	6	2023
Dorado	VN - Van	Ford Transit T-350	MU-22943	1FTRS4XGXHKA42817	2/27/2018	6	2024
Fajardo	MB - Minibus	Freightliner M-Line Shuttlebus	MU-18469	4UZAEDT6CCBV7222	5/3/2012	8	2020
Fajardo	CU - Cutaway Bus	Ford Aerotech 240-T-15025	MU-18944	1FDFE4FSXCDB19744	3/21/2013	8	2021
Fajardo	VN - Van	Ford E-350	MU-1794	1FDEEE35S69DA90677	11/25/2009	6	2015
Fajardo	MB - Minibus	Freightliner M-Line Shuttlebus	MU-1777	4UZAACDU5ACAP8109	1/30/2010	8	2018
Florida	VN - Van	Ford Econoline Super Duty Van	MU-19716	1FDFE4FS5FDA06966	2/13/2015	6	2021
Florida	VN - Van	Ford Transit T-350 HD	MU-22740	1FTRS4XG7HKA41558	8/3/2017	6	2023
Florida	VN - Van	Ford Transit T-350 HD	MU-22750	1FTRS4XG6HKA42683	8/3/2017	6	2023
Florida	MB - Minibus	International 3000	MU-0460	1HVBDABN7TH277563		8	
Guanica	MB - Minibus	Ford Econoline Aerotech	MU-18946	1FDFE4FS3CDB19746	3/21/2013	8	2021
Guanica	MB - Minibus	Ford Econoline Aerotech	MU-18993	1FDFE4FS6CDB23113	3/21/2013	8	2021
Guanica	VN - Van	Ford Transit T-350 HD	MU-22933	1FTRS4XG3HKA42836	1/9/2018	6	2024
Guanica	VN - Van	Ford Transit T-350 HD	MU-22928	1FTRS4XG7HKA42838	1/9/2018	6	2024
Guanica	VN - Van	Ford Transit T-350 HD	MU-22951	1FTRS4XG7HKA42855	1/9/2018	6	2024
Guayama	MB - Minibus	Ford AEROTECH	MU-21532	1FDFE4FS5HDC23338	5/24/2017	8	2025
Guayama	MB - Minibus	Ford AEROTECH	MU-21544	1FDFE4FS5HDC25509	5/24/2017	8	2025
Guayama	MB - Minibus	Ford AEROTECH	MU-21504	1FDFE4FS5HDC20760	12/24/2016	8	2024
Guayama	MB - Minibus	Ford AEROTECH	MU-19911	1FDFE4FS0FDA06972	2/13/2015	8	2023
Guayanilla	BU - Bus	Freightliner M-Line Shuttlebus	MU-6124	4UZAACBVX1CH77702		12	
Guayanilla	VN - Van	Chevrolet Express GS3500 LS	MU-20449	1GAZGZFG3F1124111		6	
Guayanilla	VN - Van	Chevrolet Express GS3500 LS	MU-20450	1GAZGZFG8F1125691		6	
Guayanilla	VN - Van	Chevrolet Express GS3500 LS	MU-20451	1GAZGZFG5F1123719		6	
Guayanilla	VN - Van	Chevrolet Express GS3500 LS	MU-20452	1GAZGZFG8F1124251		6	



Guayanilla	VN - Van	Chevrolet Express GS3500 LS	MU-20453	1GAZGZFG4F1124098		6	
Guaynabo	MB - Minibus	International Harvester	MU-16832	4DRBXAAN5CB384088		8	
Guaynabo	MB - Minibus	International Harvester	MU-16833	4DRBXAAN7CB384089		8	
Guaynabo	MB - Minibus	International Harvester	MU-16834	4DRBXAAN3CB384090		8	
Guaynabo	CU - Cutaway Bus	Chevrolet Express	MU-17954	1GB6G5BL1C1135114		8	
Guaynabo	CU - Cutaway Bus	Chevrolet Express	MU-17955	1GB6G5BL1C1135369		8	
Guaynabo	CU - Cutaway Bus	Chevrolet Express	MU-17956	1GB6G5BL9C1138388		8	
Guaynabo	MB - Minibus	International Harvester	MU-16835	4DRBXAAN5CB384091		8	
Guaynabo	MB - Minibus	International Harvester	MU-16836	4DRBXAAN7CB384092		8	
Guaynabo	MB - Minibus	International Harvester	MU-16837	4DRBXAAN9CB384093		8	
Guaynabo	MB - Minibus	International Harvester	MU-16838	4DRBXAAN0CB384094		8	
Guaynabo	MB - Minibus	International Harvester	MU-16839	4DRBXAAN2CB384095		8	
Guaynabo	MB - Minibus	International Terrastar	MU-17814	4DRASAAL7CJ625373		8	
Guaynabo	MB - Minibus	International Terrastar	MU-17815	4DRASAAL9CJ625374		8	
Guaynabo	MB - Minibus	International Terrastar	MU-17816	4DRASAAL0CJ625375		8	
Guaynabo	VN - Van	Ford Econoline Super Duty	MU-19903	1FD4E4FS4FDA04237		6	
Guaynabo	VN - Van	Ford Econoline Super Duty	MU-19904	1FD4E4FS4FDA06960		6	
Guaynabo	MB - Minibus	Bluebird Transit Bus	MU-21286	1BABECPA7HF327721		8	
Guaynabo	MB - Minibus	Bluebird Transit Bus	MU-21287	1BABECPA9HF327722		8	
Guaynabo	MB - Minibus	Bluebird Transit Bus	MU-21288	1BABECPA0HF327723		8	
Guaynabo	MB - Minibus	Bluebird Transit Bus	MU-19718	1BABECPA5FF309599		8	
Guaynabo	MB - Minibus	Bluebird Transit Bus	MU-19721	1BABECPA1FF309602		8	
Guaynabo	MB - Minibus	Freightliner S2 Champion Defender	MU-21754	4UZADRFC8KCLG4237		8	
Guaynabo	MB - Minibus	Freightliner S2 Champion Defender	MU-21755	4UZADRFCXKCLG4238		8	
Gurabo	VN - Van	Ford TRANSIT 350	MU-22738	1FTRS4XG7HKA41561	8/3/2017	6	2023
Gurabo	VN - Van	Ford TRANSIT 350	MU-22912	1FTRS4XG9HKA42811	1/9/2018	6	2024



Gurabo	VN - Van	Ford TRANSIT 350	MU-22909	1FTRS44G2HKA42794	1/9/2018	6	2024
Gurabo	VN - Van	Ford TRANSIT 350	MU-22910	1FTRS44G2HKA42813	1/9/2018	6	2024
Gurabo	VN - Van	Ford TRANSIT 350	MU-22911	1FTRS4XG8HRA42802	1/9/2018	6	2024
Gurabo	VN - Van	Ford TRANSIT 350	MU-22913	1FTRS4XG8HKA42833	1/9/2018	6	2024
Gurabo	MB - Minibus	Freightliner M-Line Shuttlebus	MU-12394	4UZAACDU19CAG3050		8	
Gurabo	MB - Minibus	Ford AEROTECH	MU-18991	1FD4E4FS6CDB19756	3/21/2013	8	2021
Gurabo	MB - Minibus	Freightliner M-Line Shuttlebus	MU-15340	4UZAACDU69CAG3061		8	
Hatillo	CU - Cutaway Bus	Chevrolet Express	MU-8211	1GBHG39RX21134677		8	
Hatillo	MB - Minibus	Freightliner M-Line Shuttlebus	MU-21767	4UZADEFC2KCLT688		8	
Hatillo	CU - Cutaway Bus	Chevrolet Express	MU-19207	1GB3G2BL1C1168194		8	
Hatillo	CU - Cutaway Bus	Chevrolet Express	MU-9935	1GBHG39UU31221400		8	
Hatillo	MB - Minibus	Freightliner M-Line Shuttlebus	MU-9694	4UZAACBW73CM20809		8	
Hatillo	CU - Cutaway Bus	Chevrolet Express G3500	MU-18010	1GB3G3BL0C1169049		8	
Hatillo	CU - Cutaway Bus	Thomas TK	MU-12794	1T88H8C2871279661		8	
Hatillo	MB - Minibus	Ford AEROTECH	MU-21523	1FD4E4FS4HDC25517	5/24/2017	8	2025
Hatillo	MB - Minibus	Ford AEROTECH	MU-21551	1FD4E4FS2HDC25516	5/24/2017	8	2025
Hormigueros	CU - Cutaway Bus	Ford E-450	MU-15305	1FD4E45P58DB52016		8	
	CU - Cutaway Bus	Ford E-550	MU-16690	1FDGF5GT9CEA34208		8	
Hormigueros	CU - Cutaway Bus	Ford E-350	MU-18573	1FDWE3FL6EDB11694		8	
Hormigueros	CU - Cutaway Bus	Ford E-350	MU-20213	1GBHG31U141143500		8	
Hormigueros	VN - Van	Ford Transit 350 HD	MU-22947	1FTRS4XGXHKA42848	12/28/2017	6	2023
Hormigueros	MB - Minibus	Ford E-350 Super Duty	MU-6246	1FDSE35F6YHC02875	3/2/2002	8	2010

Humacao	MB - Minibus	Ford E-350 Super Duty	MU-6375	1FDSE35F1YHC02878	3/2/2002	8	2010
Humacao	VN - Van	Ford Transit 350	MU-22931	1FTRS4XG5HKA42837	1/9/2018	6	2024
Humacao	MB - Minibus	Ford E-350 Super Duty	MU-6250	1FDSE35F8YHC02876	3/2/2002	8	2010
Humacao	VN - Van	Ford Ford E-350	MU-19225	1FTDS3EL5CDB27064	7/16/2013	6	2019
Humacao	MB - Minibus	International 3000	MU-16831	4DRASSKM2BH332242	6/7/2011	8	2019
Humacao	MB - Minibus	Ford E-450 Super Duty	MU-18994	1FDSE4FS3CDB23117	3/21/2013	8	2021
Humacao	MB - Minibus	Ford Ford E-450	MU-21524	1FDSE4FS6HDC25518	3/24/2017	8	2025
Humacao	SUV - Sport Utility Vehicle	Ford Explorer XLS	MU-8013	1FMZU62E52UC89150	8/10/2002	6	2008
Humacao	VN - Van	Dodge Sprinter 3500	MU-13509	WD0PD544765966992	9/12/2007	6	2013
Humacao	VN - Van	Chevrolet Express G3500	MU-6439	1GBHG39R011201172	3/2/2002	6	2008
Humacao	VN - Van	Ford Transit 350	MU-22736	1FTRS4XG4HKA41565	8/3/2017	6	2023
Humacao	VN - Van	Chevrolet Express	MU-6438	1GBHG39R911203082	3/2/2002	6	2008
Humacao	MB - Minibus	Ford Ford E-450	MU-19907	1FDSE4FS1FDA06964	2/13/2015	8	2023
Isabella	MB - Minibus	Ford Ford E-450	MU-19913	1FDSE4FSXFDA06977	2/13/2015	8	2023
Isabella	MB - Minibus	Ford E-250	MU-18003	1FTD53EL1CDA87050	8/30/2016	8	2024
Jayuya	MB - Minibus	Ford E-250	MU-18004	1FTD53EL3CDA87051	8/30/2016	8	2024
Jayuya	VN - Van	Ford Transit TCN 350	MU-20910	1FTR54XG7GKA76888	8/9/2016	6	2022
Jayuya	VN - Van	Ford Transit TCN 350	MU-20911	1FTR54XG9GKA76889	8/9/2016	6	2022
Jayuya	VN - Van	Ford Transit TCN 350	MU-20912	1FTR54XG5GKA76890	8/9/2016	6	2022
Jayuya	MB - Minibus	Ford E-450	MU-20913	1FDSE4FS3GDC28214	8/9/2016	8	2024
Jayuya	MB - Minibus	Ford E-450	MU-21519	1FDSE4FS3HDC22219	12/24/2016	8	2024
Jayuya	MB - Minibus	Ford E-450	MU-21539	1FDSE4FS2HDC24849	5/24/2017	8	2025
Jayuya	MB - Minibus	Ford E-450	MU-19791	1FDSE4FS1FDA03725	2/13/2015	8	2023
Jayuya	BU - Bus	Freightliner SHUTTLEBUS	MU-16894	4UZADFDT1CCBL6360		12	
Juana Díaz	BU - Bus	Freightliner SHUTTLEBUS	MU-16895	4UZADFDT3CCBL6361		12	
Juana Díaz	MB - Minibus	Ford AEROTECH	MU-21515	1FDSE4FSXHDC22217	12/24/2016	8	2024
Juncos	MB - Minibus	Ford AEROTECH	MU-21541	1FDSE4FS0HDC24851	5/24/2017	8	2025
Juncos	MB - Minibus	Ford AEROTECH	MU-19912	1FDSE4FS8FDA06976	2/13/2015	8	2023

Juncos	VN - Van	Ford EL DORADO	MU-19230	1FTDS3ELXCDB27058	7/16/2013	6	2019
Juncos	MB - Minibus	Ford AEROTECH	MU-21542	1FD4E4FS2HDC24852	5/24/2017	8	2025
Juncos	CU - Cutaway Bus	Ford E-450	MU-21516	1FD4E4FS2HDC22213	12/24/2016	8	2024
Lajas	CU - Cutaway Bus	Ford E-450	MU-21529	1FD4E4FSXHDC23335	5/24/2017	8	2025
Lajas	VN - Van	Ford Transit HR 350	MU-22914	1FTRS4XG0HKA42852	1/9/2018	6	2024
Lajas	VN - Van	Ford Transit HR 350	MU-22915	1FTRS4XG0HKA42857	1/9/2018	6	2024
Lajas	CU - Cutaway Bus	Ford E-450	MU-19717	1FD4E4FS9FDA06968	1/9/2018	8	2026
Lajas	VN - Van	Ford Transit HR 350	MU-22916	1FTRS4XG0HKA42807	1/9/2018	6	2024
Lajas	VN - Van	Ford Transit HR 350	MU-22917	1FTRS4XG0HKA42791	2/13/2015	6	2021
Lajas	MB - Minibus	Freightliner M-Line Shuttlebus	MU-8535			8	
Lajas	MB - Minibus	Freightliner M-Line Shuttlebus	MU-8587	4UZAABBW03CK72576		8	
Lajas	MB - Minibus	Freightliner Odyssey XLFM2	MU-10120	1FVACWDT6BDAX1676		8	
Lares	VN - Van	Ford EL DORADO	MU-19323	1FTDS3EL9CDB27066	7/16/2013	6	2019
Lares	VN - Van	Ford EL DORADO	MU-19322	1FTDS3EL9CDB27097	7/16/2013	6	2019
Lares	MB - Minibus	Freightliner Odyssey XLFM2	MU-10121	1FVACWDT8BDAX1677		8	
Lares	MB - Minibus	Freightliner Odyssey XLFM2	MU-10122	1FVACWDTXBDAX1678		8	
Lares	MB - Minibus	Freightliner Odyssey XLFM2	MU-10123	1FVACWDT1BDAX1679		8	
Lares	MB - Minibus	Freightliner Odyssey XLFM2	MU-10124	1FVACWDT8BDAX1680		8	
Lares	MB - Minibus	Freightliner Odyssey XLFM2	MU-10125	1FVACWDTXBDAX1681		8	
Lares	CU - Cutaway Bus	Chevrolet Express Cutaway G4500	MU16316	1GB9G5B68A1120520		8	
Lares	MB - Minibus	Freightliner Classic American	MU17338	4UZAEDT8CCBS4058		8	
Lares	CU - Cutaway Bus	Chevrolet Express Cutaway G3500	MU16445	1GB3G3BL7B1119506		8	
Lares	CU - Cutaway Bus	Ford E-350 Versashuttle	MU-19326	1FTDS3EL1CDB27109	7/16/2013	8	2021

Las Piedras	CU - Cutaway Bus	Ford E-350 Versashuttle	MU-19235	1FTDS3EL0CDB27053	7/16/2013	8	2021
Las Piedras	VN - Van	Ford Transit T-350 HD	MU-22748	1FTRS4XG5HKA41557	8/3/2017	6	2023
Las Piedras		Ford	H-69180				
Loíza	VN - Van	Ford Transit T-350 HD	MU-22745	1FTRS4XG2HKA41550	8/3/2017	6	2023
Luquillo	VN - Van	Ford Transit T-350 HD	MU-22918	1FTRS4XG2HKA42827	1/9/2018	6	2024
Luquillo	VN - Van	Ford Transit T-350 HD	MU-22919	1FTRS4XG8HKA42847	1/9/2018	6	2024
Luquillo	VN - Van	Ford E-350 Econoline	MU-19292	1FTDS3EL6CDB27090	7/16/2013	6	2019
Luquillo	MB - Minibus	International 3000 Series	MU-5099	1HVBLAAN5XA020954	1/9/2000	8	2008
Manatí	CU - Cutaway Bus	Ford Econoline 450 Super	MU-23115	1FDXE4FS0KDC12422	4/27/2019	8	2027
Manatí	CU - Cutaway Bus	Ford Econoline 450 Super	MU-23116	1FDXE4FS2KDC12423	4/27/2019	8	2027
Manatí	CU - Cutaway Bus	Ford Econoline 450 Super	MU-23117	1FDXE4FS4KDC12424	4/27/2019	8	2027
Manatí	CU - Cutaway Bus	Ford Econoline 450 Super	MU-23118	1FDXE4FS6KDC12425	4/27/2019	8	2027
Manatí	CU - Cutaway Bus	Ford Econoline 450 Super	MU-23119	1FDXE4FS8KDC12426	4/27/2019	8	2027
Manatí	CU - Cutaway Bus	Ford Econoline 450 Super	MU-22414	1FDFE4FS3JDC38166	9/17/2019	8	2027
Manatí	CU - Cutaway Bus	Ford Econoline 450 Super	MU-22415	1FDFE4FS1JDC38165	9/17/2016	8	2024
Manatí	MB - Minibus	International 3000 Series	MU-5205	1HVBLAAN0XA020957	1/9/2000	8	2008
Manatí	CU - Cutaway Bus	Ford E-350	MU-6018	1FDWE35FXHYHB60602	10/31/2000	8	2008
Manatí	CU - Cutaway Bus	Chevrolet Express	MU-16969	1GB6G2AL1A1175139	11/1/2011	8	2019
Manatí	CU - Cutaway Bus	Chevrolet Express	MU-16970	1GB6G2AL5A1174494	11/1/2011	8	2019
Manatí	CU - Cutaway Bus	Chevrolet Express	MU-16971	1GB6G2ALOA1174466	11/1/2011	8	2019

Manatí	CU - Cutaway Bus	Ford Econoline Super Duty	MU-19905	1FD FE4FS6FDA06961	2/13/2015	8	2023
Manatí	CU - Cutaway Bus	Ford Econoline Super Duty	MU-18949	1FD FE4FS0CDB19753	3/21/2013	8	2021
Manatí	CU - Cutaway Bus	Ford Econoline 450 Super	MU-23114	1FDXE4FS9KDC12421	4/27/2019	8	2027
Manatí	MB - Minibus	Ford E450	MU-21505	1FD FE4FS3HDC20759	12/24/2016	8	2024
Maunabo	MB - Minibus	Ford EL DORADO	MU-19341	1FTDS3EL7CDB27079	7/16/2013	8	2021
Maunabo	MB - Minibus	Ford E450	MU-21533	1FD FE4FS7HDC23339	5/24/2017	8	2025
Maunabo	CU - Cutaway Bus	Turtle Top Terra	MU-20553			8	
Mayaguez	CU - Cutaway Bus	Turtle Top Terra	MU-20554			8	
Mayaguez	CU - Cutaway Bus	Turtle Top Terra	MU-20555			8	
Mayaguez	CU - Cutaway Bus	Turtle Top Terra	MU-20556			8	
Mayaguez	CU - Cutaway Bus	Turtle Top Terra	MU-20557			8	
Mayaguez	CU - Cutaway Bus	Turtle Top Terra	MU-20564			8	
Mayaguez	CU - Cutaway Bus	Turtle Top Terra	MU-20565			8	
Mayaguez	CU - Cutaway Bus	Turtle Top Terra	MU-20566			8	
Mayaguez	VN - Van	Ford E-350 SUPER DUTY	MU-16811	1FBSS3BL6BDA80819		6	
Mayaguez	CU - Cutaway Bus	Ford E-350 SUPER DUTY	MU-16313	1FDWE3FPXADA15791		8	
Mayaguez	CU - Cutaway Bus	Ford E-350 SUPER DUTY	MU-16329	1FDWE3FP6ADA32426		8	
Mayaguez	MB - Minibus	Freightliner M-Line Shuttle Bus (trolley body)	MU-15893	4UZADEDTXBCAW8834	11/2/2010	8	2018

Mayaguez	MB - Minibus	Freightliner M-Line Shuttle Bus (trolley body)	MU-15894	4UZAEDT1BCAW8835	11/2/2010	8	2018
Mayaguez	VN - Van	Ford E-350 SUPER DUTY	MU-16816	1FBSS3BL2BDA80820		6	
Mayaguez	MB - Minibus	Freightliner M-Line Shuttle Bus (trolley body)	MU-15895	4UZAEDT3BCAW8836	11/2/2010	8	2018
Mayaguez	MB - Minibus	Freightliner M-Line Shuttle Bus (trolley body)	MU-15896	4UZAEDT1BCAX4733	11/2/2010	8	2018
Mayaguez	MB - Minibus	Freightliner M-Line Shuttle Bus (trolley body)	MU-15898	4UZAEDT3BCAW4734	11/2/2010	8	2018
Mayaguez	MB - Minibus	Freightliner M-Line Shuttle Bus (trolley body)	MU-15899	4UZAEDT5BCAW4735	11/2/2010	8	2018
Mayaguez	MB - Minibus	Ford E-450 AEROTECH	MU-21506	1FD FE4FS0HDC20749	12/24/2016	8	2024
Mayaguez	MB - Minibus	Ford E-450 AEROTECH	MU-21534	1FD FE4FS3HDC23340	3/24/2017	8	2025
Mayaguez	CU - Cutaway Bus	Ford E-350 SUPER DUTY	MU-16312	1FDWE3FP1ADA15792		8	
Mayaguez	MB - Minibus	Ford E450	MU19917	1FD FE4FS1FDA06981	2/13/2015	8	2023
Moca	MB - Minibus	Ford E450	MU21507	1FD FE4FSXHC20757	12/24/2016	8	2024
Moca	MB - Minibus	Ford E350	MU22932	1FTRS4XG3HKA42805	1/9/2018	8	2026
Moca	MB - Minibus	Ford minibus	MU-19797	1FD FE4FS7FDA03731	2/13/2015	8	2023
Morovis	MB - Minibus	Ford minibus	MU-19900	1FD FE4FS9FDA03732	2/13/2015	8	2023
Morovis	VN - Van	Ford E-350 Econoline Super Duty	MU-19289	1FTDS3EL5CDB2708	7/16/2013	6	2019
Naranjito	MB - Minibus	Ford E-450 Econoline Super Duty	MU-18943	1FD FE4FS8CDB19743	3/21/2013	8	2021
Naranjito	MB - Minibus	Ford E-450 Econoline Super Duty	MU-18950	1FD FE4FS5CDB19750	3/21/2013	8	2021
Naranjito	CU - Cutaway Bus	Ford E-450 Econoline Super Duty	MU-21328	1FD FE4FS8HDC22216	12/24/2016	8	2024
Orocovis	VN - Van	Ford Transit T-350 HD	MU-22733	1FTRS4XG7HKA42841	8/3/2017	6	2023
Orocovis	CU - Cutaway Bus	Ford E450	MU21329	1FD FE4FS1HDC22218	12/24/2016	8	2024
Patillas	CU - Cutaway Bus	Ford E450	MU21540	1FD FE4FS9HDC24850	5/24/2017	8	2025

Patillas	CU - Cutaway Bus	Ford E450	MU21571	1FDFF4FS8HDC25522	5/24/2017	8	2025
Patillas	CU - Cutaway Bus	Ford E450	MU21572	1FDFF4FSXHDC25523	5/24/2017	8	2025
Patillas	CU - Cutaway Bus	Ford E450	MU21581	1FDFF4FS2HDC25533	5/24/2017	8	2025
Patillas	CU - Cutaway Bus	Ford E450	MU21582	1FDFF4FS4HDC25534	5/24/2017	8	2025
Patillas	VN - Van	Ford Transit 350	MU22940	1FTRS4XG9HKA42856	1/9/2018	6	2024
Patillas	VN - Van	Ford Transit 350	MU22941	1FTRS4XGXHKA42798	1/9/2018	6	2024
Patillas	CU - Cutaway Bus	Ford Econoline Super Duty	MU-21517	1FDFF4FS5HDC22223	12/24/2016	8	2024
Peñuelas	CU - Cutaway Bus	Ford Econoline Super Duty	MU-21530	1FDFF4FS1HDC23336	5/24/2017	8	2025
Peñuelas	CU - Cutaway Bus	Ford Econoline Super Duty	MU-21543	1FDFF4FS3HDC25508	5/24/2017	8	2025
Peñuelas	VN - Van	Ford Transit T-350 HD	MU-22948	1FTRS4XG0HKA42860	1/9/2018	6	2024
Peñuelas	MB - Minibus	Bluebird Transit Bus	MU-17801	1BABLXAXCF288794	2/16/2012	8	2020
Ponce	MB - Minibus	Bluebird Transit Bus	MU-17804	1BABLXAXCF288793	2/16/2012	8	2020
Ponce	MB - Minibus	Bluebird Transit Bus	MU-17805	1BABLXAXCF288796	2/16/2012	8	2020
Ponce	MB - Minibus	Bluebird Transit Bus	MU-17807	1BABLXAXCF288795	2/16/2012	8	2020
Ponce	MB - Minibus	Bluebird Transit Bus	MU-17809	1BABLXAXCF288799	2/16/2012	8	2020
Ponce	MB - Minibus	Bluebird Transit Bus	MU-17835	1BABLXAXCF288800	2/16/2012	8	2020
Ponce	MB - Minibus	Bluebird All American	MU-21280	1BABLBCA5HF326430	6/21/2016	8	2024
Ponce	MB - Minibus	Bluebird All American	MU-21281	1BABLBCA9HF326432	6/21/2016	8	2024
Ponce	MB - Minibus	Bluebird All American	MU-21282	1BABLBCA7HF326431	6/21/2016	8	2024
Ponce	MB - Minibus	Freightliner M-Line	MU-19492	4UZADEDU0HCJA5688	12/11/2016	8	2024
Ponce	VN - Van	Ford Transit	MU-22953	1FTRS4XG2HKB33743	6/11/2018	6	2024
Ponce	VN - Van	Ford Transit	MU-22954	1FTRS4XG4HKB33744	6/11/2018	6	2024
Ponce	CU - Cutaway Bus	Ford E-450	MU-22980	1FDFF4FS8HDC77619	10/2/2018	8	2026

Ponce	CU - Cutaway Bus	Ford E-450	MU-22981	1FDFE4FS6HDC77620	10/2/2018	8	2026
Ponce	CU - Cutaway Bus	Ford E-450	MU-22982	1FDFE4FS6HDC77621	10/2/2018	8	2026
Ponce	VN - Van	Ford Transit	MU-21852	1FTRS4XG3JKB39265	3/29/2019	6	2025
Ponce	CU - Cutaway Bus	Ford E-450 Aerotech 240	MU-22782	1FDFE4FS4KDC17229	12/13/2019	8	2027
Ponce	CU - Cutaway Bus	Ford E-450 Aerotech 240	MU-22783	1FDFE4FS0KDC17230	12/13/2019	8	2027
Ponce	CU - Cutaway Bus	Ford E-450 Aerotech 240	MU-22784	1FDFE4FS3KDC24138	12/13/2019	8	2027
Ponce	CU - Cutaway Bus	Ford E-550 Aerotech 290	MU-22785	1FDAF5GY3KDA08919	12/13/2019	8	2027
Ponce	CU - Cutaway Bus	Ford E-550 Aerotech 290	MU-22786	1FDAF5GY6KDA08915	12/13/2019	8	2027
Ponce	CU - Cutaway Bus	Ford E-550 Aerotech 290	MU-22787	1FDAF5GY8KDA08916	12/13/2019	8	2027
Ponce	CU - Cutaway Bus	Ford E-550 Aerotech 290	MU-22788	1FDAF5GY1KDA08918	12/13/2019	8	2027
Ponce	CU - Cutaway Bus	Ford E-550 Aerotech 290	MU-22789	1FDAF5GYXKDA08917	12/13/2019	8	2027
Ponce	MB - Minibus	Ford E-450 Aerotech 240	MU-21508	IFDFE4FS0HDC20752	12/24/2016	8	2024
Ponce	SUV - Sport Utility Vehicle	Ford Explorer XLT -FWD	MU-16580		10/14/2015		2015
Ponce	MB - Minibus	Ford E-450 Aerotech 240	MU-21535	IFDFE4FS5HDC24845	5/24/2017	8	2025
Ponce	VN - Van	Ford EL DORADO	MU-19291	1FTDS3EL4CDB27069	7/16/2013	6	2019
Ponce	VN - Van	Ford EL DORADO	MU-19293	1FTDS3EL8CDB27088	7/16/2013	6	2019
Ponce	VN - Van	Ford EL DORADO	MU-19294	1FTDS3ELXCDB27089	7/16/2013	6	2019
Ponce	VN - Van	Ford EL DORADO	MU-19239	1FTDS3EL3CDB27046	7/16/2013	6	2019
Ponce	MB - Minibus	Ford E-450 Aerotech	MU-18947	1FDFE4FS9CDB19752	3/21/2013	8	2021
Quebradillas	VN - Van	Ford TRANSIT	MU-22950	IFTRS4XG8HKA42797	1/9/2018	6	2024



Rincon	MB - Minibus	Ford AEROTECH	MU-21578	IFDFE4FS0HDC25529	5/24/2017	8	2025
Rio Grande	MB - Minibus	Ford AEROTECH	MU-21577	IFDFE4FS9HDC25528	5/24/2017	8	2025
Rio Grande	VN - Van	Ford TRANSIT	MU-22936	IFTRS4XG4HKA42831	1/9/2018	6	2024
Rio Grande	VN - Van	Ford TRANSIT	MU-22934	IFTRS4XG4HKA42859	1/9/2018	6	2024
Rio Grande	VN - Van	Ford TRANSIT	MU-22935	IFTRS4XH4HKA42862	1/9/2018	6	2024
Rio Grande	MB - Minibus	Ford AEROTECH	MU-18939	1FDFE4FS6CDB19739	3/21/2013	8	2021
Rio Grande	VN - Van	Ford EL DORADO	MU-19238	1FTDS3EL5CDB27050	7/16/2013	6	2019
Sabana Grande	MB - Minibus	Ford E-450 SUPER DUTY VAN	MU-21537	1FDFE4FS9HDC24847	12/24/2016	8	2024
Salinas	MB - Minibus	Ford E-450 SUPER DUTY VAN	MU-21509	1FDFE4FS2HDC20753	5/24/2017	8	2025
Salinas	MB - Minibus	Ford E-450 AEROTECH	MU-19790	1FDFE4FSXFDA03724	2/13/2015	8	2023
San German	MB - Minibus	Ford E-450 AEROTECH	MU-21510	IFDFE4FS4HDC20754	12/24/2016	8	2024
San German	VN - Van	Ford TRANSIT	MU-22937	IFTRS4XG3HKA42822	1/9/2018	6	2024
San German	MB - Minibus	Freightliner X-Line Shuttle Bus	MU-17384	4UZAB0DT9CCBW1869		8	
San Juan	MB - Minibus	Freightliner X-Line Shuttle Bus	MU-17385	4UZAB0DT7CCBW1871		8	
San Juan	CU - Cutaway Bus	Chevrolet Express G4500	MU-19785	1GB6G6BL3F1166097		8	
San Juan	CU - Cutaway Bus	Chevrolet Express G4500	MU-19996	1GB6G6BL5F1166084		8	
San Juan	CU - Cutaway Bus	Chevrolet Express G4500	MU-19997	1GB6G6BL7F1165101		8	
San Juan	CU - Cutaway Bus	Chevrolet Express G4500	MU-19998	1GB6G6BL2F1164874		8	
San Juan	CU - Cutaway Bus	Chevrolet Express G4500	MU-21205	1GB6G6BL2F1164504		8	
San Juan	CU - Cutaway Bus	Chevrolet Express G4500	MU-21206	1GB6G6BL0F1163898		8	
San Juan	CU - Cutaway Bus	Ford E-450	MU-20484	1FDFE4FS1GDC16255		8	
San Juan	CU - Cutaway Bus	Ford E-450	MU-20485	1FDFE4FS5GDC16257		8	

San Juan	CU - Cutaway Bus	Ford E-450	MU-20486	1FD4E4FS7GDC16258		8	
San Juan	MB - Minibus	Freightliner X-Line Shuttle Bus	MU-17386	4UZAB0DT9CCBW1872		8	
San Juan	CU - Cutaway Bus	Ford E-450	MU-20487	1FD4E4FS9GDC16259		8	
San Juan	CU - Cutaway Bus	Ford E-450	MU-20488	1FD4E4FS5GDC16260		8	
San Juan	CU - Cutaway Bus	Ford E-450	MU-20489	1FD4E4FS9GDC16262		8	
San Juan	CU - Cutaway Bus	Ford E-450	MU-20491	1FD4E4FS7GDC16261		8	
San Juan	MB - Minibus	Freightliner X-Line Shuttle Bus	MU-17387	4UZAB0DT2CCBW1874		8	
San Juan	MB - Minibus	Freightliner X-Line Shuttle Bus	MU-17388	4UZAB0DT4CCBW1875		8	
San Juan	MB - Minibus	Freightliner X-Line Shuttle Bus	MU-17567	4UZAB0DTXCCBW1878		8	
San Juan	MB - Minibus	Freightliner X-Line Shuttle Bus	MU-17568	4UZAB0DTCOCBW1873		8	
San Juan	MB - Minibus	Freightliner X-Line Shuttle Bus	MU-17569	4UZAB0DT6CCBW1876		8	
San Juan	MB - Minibus	Freightliner X-Line Shuttle Bus	MU-17570	4UZAB0DT8CCBW1877		8	
San Juan	MB - Minibus	Freightliner X-Line Shuttle Bus	MU-17571	4UZAB0DT5CCBW1870		8	
San Juan	VN - Van	Ford EL DORADO	MU-19227	1FTDS3EL1CDB27062	7/16/2013	6	2019
San Juan	VN - Van	Ford EL DORADO	MU-19285	1FTDS3ELXCDB27092	7/16/2013	6	2019
San Juan	VN - Van	Ford EL DORADO	MU-19286	1FTDS3EL1CDB27093	7/16/2013	6	2019
San Juan	VN - Van	Ford EL DORADO	MU-19287	1FTDS3EL3CDB27094	7/16/2013	6	2019
San Juan	VN - Van	Ford EL DORADO	MU-19288	1FTDS3EL5CDB27095	7/16/2013	6	2019
San Juan	VN - Van	Ford EL DORADO	MU-19329	1FTDS3EL7CDB27096	7/16/2013	6	2019
San Juan	VN - Van	Ford EL DORADO	MU-19237	1FTDS3EL7CDB27051	7/16/2013	6	2019
San Juan	MB - Minibus	Ford E-450	MU-21536	IFDFE4FS7HDC24846	5/24/2017	8	2025
San Juan	MB - Minibus	Ford E-450	MU-21573	IFDFE4FS1HDC25524	5/24/2017	8	2025
San Juan	MB - Minibus	Ford E-450	MU-21575	IFDFE4FS5HDC25526	5/24/2017	8	2025
San Juan	MB - Minibus	Ford E-450	MU-21574	IFDFE4FS3HDC25525	5/24/2017	8	2025
San Juan	MB - Minibus	Ford E-450	MU-21576	IFDFE4FS7HDC25527	5/24/2017	8	2025

San Juan	MB - Minibus	Ford E-450	MU-21511	IFDFE4FS6HDC20755	12/24/2016	8	2024
San Juan	MB - Minibus	International 3000 Series	MU-17819	4DRASAAL9DJ093397	7/3/2012	8	2020
San Lorenzo	MB - Minibus	International 3000 Series	MU-17820	4DRASAAL0DJ093398	1/8/2012	8	2020
San Lorenzo	MB - Minibus	International 3000 Series	MU-17821	4DRASAAL2DJ093399	1/8/2012	8	2020
San Lorenzo	MB - Minibus	International 3000 Series	MU-17822	4DRASAAL5DJ093400	1/8/2012	8	2020
San Lorenzo	MB - Minibus	International 3000 Series	MU-17823	4DRASAAL7DJ093401	7/3/2012	8	2020
San Lorenzo	MB - Minibus	Freightliner S2 106 Bus Chassis	MU-21818	4UZADSDT6HCJG4069	2/17/2016	8	2024
San Lorenzo	CU - Cutaway Bus	Ford E-350 ELDORADO	MU-19228	1FTDS3ELXCDB27061	7/16/2013	8	2021
San Lorenzo	CU - Cutaway Bus	Ford E-350 ELDORADO	MU-19232	1FTDS3EL6CDB27056	7/16/2013	8	2021
San Lorenzo	CU - Cutaway Bus	Ford E-350	MU-15975	1FTSS3EL0ADA52496	8/18/2010	8	2018
San Lorenzo	MB - Minibus	Freightliner S2 106 Bus Chassis	MU-21819	4UZADSDD2HCJG4070	2/17/2016	8	2024
San Lorenzo	MB - Minibus	Freightliner S2 106 Bus Chassis	MU-21820	4UZADSDD2HCJG4071	2/17/2016	8	2024
San Lorenzo	MB - Minibus	Freightliner S2 106 Bus Chassis	MU-21821	4UZADSDD2HCJG4072	2/17/2016	8	2024
San Lorenzo	MB - Minibus	Freightliner S2 106 Bus Chassis	MU-21822	4UZADSDD2HCJG4073	2/17/2016	8	2024
San Lorenzo	MB - Minibus	Freightliner S2 106 Bus Chassis	MU-21823	4UZADSDD2HCJG4074	2/17/2016	8	2024
San Lorenzo	MB - Minibus	Freightliner S2 106 Bus Chassis	MU-21824	4UZADSDD2HCJG4075	2/17/2016	8	2024
San Lorenzo	MB - Minibus	Chevrolet C4500	MU-15608	1GBE4V1959F401024	2/24/2009	8	2017
San Lorenzo	MB - Minibus	Chevrolet C4500	MU-15609	1GBE4V1959F401059	2/24/2009	8	2017
San Lorenzo	MB - Minibus	Freightliner M-Line Shuttle Bus	MU-13771	4UZAACBW17CZ54278		8	
San Sebastian	VN - Van	Ford E-350 Super Duty	MU-16737	1FBSS3BL2DDA09698	8/2/2013	6	2019
San Sebastian	VN - Van	Ford E-350 Super Duty	MU-16731	1FBSS3BL1DDA09692	8/2/2013	6	2019
San Sebastian	MB - Minibus	Freightliner M-Line Shuttle Bus	MU-16266	4UZADEDT6BCAY0396	11/2/2010	8	2018
San Sebastian	CU - Cutaway Bus	Chevrolet Express G3500	MU-16852	1GB3G2BL9B1154378	7/2/2011	8	2019

San Sebastian	VN - Van	Ford Transit T-350 HD	MU-22739	1FTRS4XG9HKA41559	9/3/2017	6	2023
San Sebastian	CU - Cutaway Bus	Ford E-450 AEROTECH 240	MU-21512	1DFE4FS1HDC20758	8/2/2017	8	2025
San Sebastian	AO - Automobile	Toyota Yaris	MU-13735	JTCBT923971158238	8/2/2007	6	2013
San Sebastian	AO - Automobile	Toyota Yaris	MU-13747	JTCBT923071158242	8/2/2007	6	2013
San Sebastian	VN - Van	Ford E-350 Super Duty	MU-16319	1FBSS3BL2ADA84963		6	
San Sebastian	VN - Van	Ford E-350 Super Duty	MU-16735	1FBSS3BL7DDA09695	8/2/2013	6	2019
San Sebastian	CU - Cutaway Bus	Chevrolet Express 3500	MU-18634	1GAZG1FAZE1106764	1/8/2014	8	2022
Santa Isabel	CU - Cutaway Bus	Chevrolet Express 3500	MU-18628	1GAZG1FA1E1104998	12/10/2013	8	2021
Santa Isabel	VN - Van	Ford Transit 350	MU-22590	1FRAX2CM4KKA73510	8/10/2019	6	2025
Santa Isabel	VN - Van	Ford Transit 350	MU-22591	1FBAX2CMXKKA73513	8/29/2019	6	2025
Santa Isabel	VN - Van	Ford Transit 350	MU-22593	1FBAX2CMX8KA73512	2/8/2020	6	2026
Santa Isabel	CU - Cutaway Bus	Ford E-350 Super Duty	MU-19339	1FTDS3EL0CDB27070	7/16/2013	8	2021
Santa Isabel	VN - Van	Ford EL DORADO	MU-19327	1FTDS3EL6CDB27073	7/16/2013	6	2019
Toa Alta	VN - Van	Ford Transit	MU-22938	1FTRS4XG2HKA42861	1/9/2018	6	2024
Toa Alta	MB - Minibus	Bluebird All American	MU-14843	1BABDCKA09F257118	5/22/2008	8	2016
Toa Baja	CU - Cutaway Bus	Ford E-450	MU-19918	1DFE4FS4FDA06974	8/15/2015	8	2023
Toa Baja	CU - Cutaway Bus	Ford E-450	MU-19919	1DFE4FS6FDA06975	8/15/2015	8	2023
Toa Baja	CU - Cutaway Bus	Chevrolet Express	MU-19691	1GB6G5BL9E1115048	2/27/2014	8	2022
Toa Baja	CU - Cutaway Bus	Chevrolet Express	MU-19692	1GB6G5BL5E1115189	2/27/2014	8	2022

Toa Baja	CU - Cutaway Bus	Chevrolet Express	MU-19693	1GB6G5BL7E1116408	2/27/2014	8	2022
Toa Baja	MB - Minibus	Bluebird All American	MU-14849	1BABDCKA29F257119	5/22/2008	8	2016
Toa Baja	MB - Minibus	International Bus	MU-16483	4DRASSKLXCJ538653	6/22/2011	8	2019
Toa Baja	MB - Minibus	International Bus	MU-16484	4DRASSKL8CJ538652	6/22/2011	8	2019
Toa Baja	MB - Minibus	Ford E-450 AEROTECH	MU-19901	1FDFF4FS0FDA04235	2/13/2015	8	2023
Toa Baja	MB - Minibus	Ford E-450 AEROTECH	MU-19902	1FDFF4FS2FDA04236	2/13/2015	8	2023
Toa Baja	MB - Minibus	Ford E-450 AEROTECH	MU-21570	1FDFF4FS6HDC25521	5/24/2017	8	2025
Toa Baja	MB - Minibus	Ford E-450 AEROTECH	MU-21526	1FDFF4FS4HDC25520	5/24/2017	8	2025
Toa Baja	VN - Van	Chevrolet Express	MU-14503	1GBJG316X71231078	9/11/2007	6	2013
Toa Baja	CU - Cutaway Bus	Ford E-450 Versashuttle	MU-15657	1FTSS34LX7DB03275	10/13/2007	8	2015
Toa Baja	VN - Van	Chevrolet Express	MU-16948	1GB9G5BL2A1173123	4/1/2011	6	2017
Toa Baja	VN - Van	Ford Transit	MU-22920	1FTRS4XG1HKA42821	1/9/2017	6	2023
Toa Baja	VN - Van	Ford Transit	MU-22746	1FTRS4XG4HKA41548	8/3/2017	6	2023
Toa Baja	BU - Bus	Ford Dorado	MU-19792	1FDFF4F53FDA03726	2/13/2015	12	2027
Trujillo Alto	BU - Bus	Ford Dorado	MU-21545	1FDFF4F51HDC25510	5/24/2017	12	2029
Trujillo Alto	CU - Cutaway Bus	Chevrolet G4500	MU-16500	1GB6G5BL7B1115951		8	
Utuaado	CU - Cutaway Bus	Chevrolet G4500	MU-16444	1GB6G5BL4B1115261		8	
Utuaado	VN - Van	Chevrolet G3500 LS	MU-21261	1GAZGZFG8F1225502		6	
Utuaado	CU - Cutaway Bus	Ford E-450	MU-21330	1FDFF4FS4HDC22214	12/24/2016	8	2024
Utuaado	CU - Cutaway Bus	Chevrolet Express G4500	MU-17304	1GB9G5BL7A1173635		8	
Vega Alta	CU - Cutaway Bus	Ford Econoline Super Duty	MU-23195	1FDFF4FS5KDC45119		8	
Vega Alta	CU - Cutaway Bus	Ford Econoline Super Duty	MU-17308	1GB9G5BLXA1179848		8	

Vega Alta	CU - Cutaway Bus		MU-17305			8	
Vega Alta	CU - Cutaway Bus	Chevrolet Express G4500	MU-17309	1GB9G5BL9A1178190		8	
Vega Alta	CU - Cutaway Bus	Chevrolet Express G4500	MU-17550	1GB6G5BL0C1194915		8	
Vega Alta	CU - Cutaway Bus	Chevrolet Express G3500	MU-17551	1GB3G4BL7E1195639		8	
Vega Alta	CU - Cutaway Bus	Ford Econoline Super Duty	MU-13088	1FDFE4FS7KDC54548		8	
Vega Alta	CU - Cutaway Bus	Ford Econoline Super Duty	MU-23097	1FDFE4FS7KDC54551		8	
Vega Alta	CU - Cutaway Bus	Ford Econoline Super Duty	MU-23196	1FDFE4FS5KDC54550		8	
Vega Alta	CU - Cutaway Bus	Ford Econoline Super Duty	MU-23198	1FDFE4FS9KDC54552		8	
Vega Alta	CU - Cutaway Bus	Ford E-350 Aerotech 220	MU-18918	1FDEE3FL9CDB30278		8	
Vega Baja	BU - Bus	Freightliner M-Line Shuttlebus	MU-9849	4UZAABBW53CL70891		12	
Vega Baja	CU - Cutaway Bus	Ford E-350 Aerotech 220	MU-18919	1FDEE3FL9CDB30279		8	
Vega Baja	VN - Van	Ford Transit HR-350	MU-22944	1FTRS4XGXHKA42820	1/9/2018	6	2024
Vega Baja	VN - Van	Ford Transit HR-350	MU-22945	1FTRS4XGXHKA42834	1/9/2018	6	2024
Vega Baja	CU - Cutaway Bus	Ford E-450 Aerotech 240	MU-21579	1FDFE4FS7HDC25530	5/24/2017	8	2025
Vega Baja	CU - Cutaway Bus	Ford E-450 Aerotech 240	MU-21580	1FDFE4FS9HDC25531	5/24/2017	8	2025
Vega Baja	BU - Bus	Freightliner M-Line Shuttlebus	MU-11709	4UZAACBW64CN02497		12	
Vega Baja	BU - Bus	Freightliner M-Line Shuttlebus	MU-17042	4UZADEDT2CCBM4869		12	
Vega Baja	BU - Bus	Freightliner X-Line Shuttlebus	MU-8309	4UZAAUBV92CK30599		12	
Vega Baja	CU - Cutaway Bus	Ford Transit T-350 HD	MU-22942	1FTRS4XGXHKA42803	1/9/2018	8	2026

Vieques	CU - Cutaway Bus	Ford E-450 Econoline Super Duty	MU-21583	1FDFF4FS1HDC25535	5/24/2017	8	2025
Vieques	CU - Cutaway Bus	Ford E-450 Econoline Super Duty	MU-21522	1FDFF4FS1HDC22212	12/24/2016	8	2024
Vieques	CU - Cutaway Bus	Chevrolet Express G3500	MU-16891	1GB3G2BL7B1144304	1/2/2011	8	2019
Villalba	CU - Cutaway Bus	Chevrolet Express G3500	MU-16889	1GB3G2BL5B1144477	1/2/2011	8	2019
Villalba	CU - Cutaway Bus	Chevrolet Express G3500	MU-16853	1GB3G2BL0B1144533	1/2/2011	8	2019
Villalba	MB - Minibus	Freightliner M-Line Shuttlebus	MU-16478	4UZADEDT9BCAV2396	1/2/2011	8	2019
Villalba	VN - Van	Ford Transit T-350 HD	MU-22730	1FTRS4XG4HKA42845	8/3/2017	6	2023
Villalba	VN - Van	Ford Transit T-350 HD	MU-22946	1FTRS4XGXHKA42851	1/9/2018	6	2024
Villalba	CU - Cutaway Bus	Chevrolet Express G3500	MU-16892	1GB3G2BL3B1142971	1/2/2011	8	2019
Villalba	CU - Cutaway Bus	Chevrolet Express G3500	MU-16858	1GB3G2BLXB1143874	1/2/2011	8	2019
Villalba	CU - Cutaway Bus	Chevrolet Express G3500	MU-16856	1GB3G2BL2B1143173	1/2/2011	8	2019
Villalba	CU - Cutaway Bus	Chevrolet Express G3500	MU-16854	1GB3G2BL5B1144432	1/2/2011	8	2019
Villalba	CU - Cutaway Bus	Chevrolet Express G3500	MU-16855	1GB3G2BL8B1143937	1/2/2011	8	2019
Villalba	BU - Bus	Freightliner M-Line Shuttlebus	MU-19085	4UZADEDU1ECGB4610	7/15/2014	12	2026
Yabucoa	VN - Van	Ford E-350 Econoline Super Duty	MU-19240	1FTDS3ELXCDB27044	7/16/2013	6	2019
Yabucoa	VN - Van	Ford E-350 Econoline Super Duty	MU-19330	1FTDS3EL4CDB27072	7/16/2013	6	2019
Yabucoa	VN - Van	Ford Transit	MU-22744	1FTRS4XG4HKA41551	8/3/2017	6	2023
Yabucoa	VN - Van	Ford Transit	MU-22921	1FTRS4XG1HKA42835	1/9/2018	6	2024
Yabucoa	CU - Cutaway Bus	Chevrolet Express G3500	MU-20619	1GB3G3CL9F1249937	4/8/2016	8	2024
Yabucoa	CU - Cutaway Bus	Chevrolet Express G3500	MU-20617	1GB3G3LC8F1250237	4/8/2016	8	2024

Yabucoa	CU - Cutaway Bus	Chevrolet Express G3500	MU-20618	1GB3G3CL9F1252417	4/8/2016	8	2024
Yabucoa	VN - Van	Ford Transit	MU-22922	1FTRS4XG4HKA4289	1/9/2018	6	2024
Yabucoa	VN - Van	Ford E-350 Econoline Super Duty	MU-19229	1FTDS3EL1CDB27059	7/16/2013	6	2019
Yabucoa	VN - Van	Ford E-350 Econoline Super Duty	MU-19236	1FTDS3EL9CDB57052	7/16/2013	6	2019
Yabucoa	VN - Van	Ford E-350		1FTSS3EL9ADA23309	10/23/2010	6	2016
Yauco	VN - Van	Ford E-350	MU-18911	1FTDS3EL2CDB27040	2/9/2013	6	2019
Yauco	VN - Van	Ford E-350	MU-18912	1FTDS3EL8CDB27026	12/14/2012	6	2018
Yauco	VN - Van	Ford E-350	MU-18913	1FTDS3ELXCDB27027	12/14/2012	6	2018
Yauco	VN - Van	Ford E-350	MU-18914	1FTDS3EL2CDB27028	2/20/2013	6	2019
Yauco	VN - Van	Ford E-350	MU-18915	1FTDS3EL3CDB27029	1/22/2013	6	2019
Yauco	VN - Van	Ford E-350	MU-18916	1FTDS3ELXCDB27030	12/14/2012	6	2018
Yauco	VN - Van	Ford E-350	MU-18917	1FTDS3ELXCDB27031	12/14/2013	6	2019
Yauco	VN - Van	Ford E-350	MU-18921	1FTDS3EL0CDB27036	2/9/2013	6	2019
Yauco	VN - Van	Ford E-350	MU-18997	1FTDS3EL9CDB27035	2/1/2013	6	2019
Yauco	VN - Van	Ford E-350	MU-18998	1FTDS3EL4CDB27041	2/9/2013	6	2019
Yauco	VN - Van	Ford E-350	MU-15925	1FTSS3EL9ADA23310	6/29/2010	6	2016
Yauco	VN - Van	Ford E-350	MU-19216	1FTDS3EL5CDB27033	2/20/2013	6	2019
Yauco	VN - Van	Ford E-350	MU-19217	1FTDS3EL2CDB27034	2/20/2013	6	2019
Yauco	VN - Van	Ford E-350	MU-19218	1FTDS3EL2CDB27037	2/20/2013	6	2019
Yauco	VN - Van	Ford E-350	MU-19223	1FTDS3EL0CDB27067	7/16/2013	6	2019
Yauco	CU - Cutaway Bus	Ford F-550	MU-20480	1FDGF5GT4GEA05236	1/30/2016	8	2024
Yauco	CU - Cutaway Bus	Ford F-550	MU-20481	1FDGF5GT8GEA05238	1/30/2016	8	2024
Yauco	CU - Cutaway Bus	Ford E-450	MU-21548	1FDFE4FS7HDC25513	5/24/2017	8	2025
Yauco	CU - Cutaway Bus	Ford E-450	MU-21549	1FDFE4FS9HDC25514	5/24/2017	8	2025



Yauco	CU - Cutaway Bus	Ford E-450	MU-21550	1FDFE4FS0HDC25515	5/24/2017	8	2025
Yauco	MB - Minibus	Freightliner FL70	MU-17981	4UZADEDT8DCFB0591	8/31/2012	8	2020
Yauco	CU - Cutaway Bus	Ford E-450	MU-15965	1FDFE4FP2ADA37077	7/9/2011	8	2019
Yauco	MB - Minibus	Freightliner FL70	MU-17982	4UZADEDT8DCFB0590	8/31/2012	8	2020
Yauco	MB - Minibus	Freightliner FL70	MU-17983	4UZADEDT8DCFB0589	8/31/2012	8	2020
Yauco	MB - Minibus	Freightliner FL70	MU-17984	4UZADEDT1CDFB0592	8/31/2012	8	2020
Yauco	CU - Cutaway Bus	Ford E-450	MU-15966	1FDFE4FP4ADA37078	7/9/2012	8	2020
Yauco	CU - Cutaway Bus	Chevrolet Express G4500	MU-18096	1GB6G5BL3C1138998	9/20/2012	8	2020
Yauco	CU - Cutaway Bus	Chevrolet Express G4500	MU-18097	1GB6G5BL3C1181446	10/20/2012	8	2020
Yauco	VN - Van	Ford E-350	MU-18908	1FTDS3EL3CDB27032	2/9/2013	6	2019
Yauco	VN - Van	Ford E-350	MU-18909	1FTDS3EL2CDB27038	2/1/2013	6	2019
Yauco	VN - Van	Ford E-350	MU-18910	1FTDS3EL6CDB27039	2/9/2013	6	2019

# Appendix D    DETAILED EQUIPMENT ASSET INVENTORY

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Entity Name	Asset Type	Model	License Plate	VIN	In-Service Date	ULB (years)	End of Useful Life (Year)
Barceloneta	ORTV - Other Road Tired Vehicles	Dodge Ram 1500	MU-9319	2B6LB31254K170147		6	
Barceloneta	ORTV - Other Road Tired Vehicles	Dodge Ram 2500	MU-18315	2B6LB31Z1K170688		6	
Barceloneta	ORTV - Other Road Tired Vehicles	Jeep Cherokee	MU-21185			6	
Carolina	ORTV - Other Road Tired Vehicles	Chevrolet Express G1500	MU-15634	1BAGBCPA03F213406	6/1/2009	6	2015
Carolina	ORTV - Other Road Tired Vehicles	Chevrolet Express G3500	MU-20957	1FD4E4FS8HDC25519	8/7/2017	6	2023
Hormigueros	ORTV - Other Road Tired Vehicles	Ford E-450	MU-19910	1FTRS4XG7HKA42810	2/20/2016	6	2022
Hormigueros	ORTV - Other Road Tired Vehicles	Ford E-450	MU-19906	1FTDS3EL1ADA93427	2/20/2016	6	2022
Hormigueros	ORTV - Other Road Tired Vehicles	Ford E-450	MU-18945	4UZAACBW07CY95113	3/20/2012	6	2018
Hormigueros	ORTV - Other Road Tired Vehicles	Chevrolet Blazer	MU-6219	1GBJG316X1217374		6	
Hormigueros	ORTV - Other Road Tired Vehicles	Ford Transit 350	MU-22929	4UZAACBW07CY95112	12/27/2017	6	2023

Entity Name	Asset Type	Model	License Plate	VIN	In-Service Date	ULB (years)	End of Useful Life (Year)
Hormigueros	ORTV - Other Road Tired Vehicles	Ford Transit 350	MU-22930	1GB6G5BLXE1132196	12/27/2017	6	2023
Ponce	AO - Automobile	Ford Fiesta	MU-17329	1GB6G5BL8E1132570		6	
Ponce	AO - Automobile	Ford Fiesta	MU-17299	1GB6G5BL3E1132282	3/12/2019	6	2025
Ponce	ORTV - Other Road Tired Vehicles	Ford F-350 SUPER DUTY	MU-21485	1FTRS4XG8HKA41553	3/12/2019	6	2025
Ponce	ORTV - Other Road Tired Vehicles	Jeep Cherokee sport	MU-0303	1FTRS4XG5HKA42840		6	
Vega Baja	ORTV - Other Road Tired Vehicles	Dodge RAM 2500	MU-21188	1FDPE4FSOFDA06969		6	
Villalba	ORTV - Other Road Tired Vehicles	Jeep Gladiator Sport	1035441	1FDPE4FS9HDC19146	1/1/2020	6	2026
Villalba	ORTV - Other Road Tired Vehicles	Jeep Wrangler Unlimited	MU-20085	1FTRS4XG9HKA41545	1/1/2019	6	2025
Yauco	ORTV - Other Road Tired Vehicles	Ford 2500	MU-20429	1FTRS4XG1HKA42799	6/30/2014	6	2020
Yauco	ORTV - Other Road Tired Vehicles	Jeep Grand Cherokee	JIT-390		11/1/2019	6	2025
Yauco	ORTV - Other Road Tired Vehicles	Jeep Rubicon	MU-15468	1FTRS4XG0HKA41546	6/25/2013	6	2019



# Appendix E FACILITY CONDITION ASSESSMENT METHODOLOGY

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The condition assessment approach provided herein is based on FTA’s guidance detailed in *TAM Facility Performance Measure Reporting Guidebook: Condition Assessment Calculation*<sup>22</sup>.

The facility condition assessments are based on visual inspections of the facilities. The general process of the condition assessments can be seen in Figure 14 below.

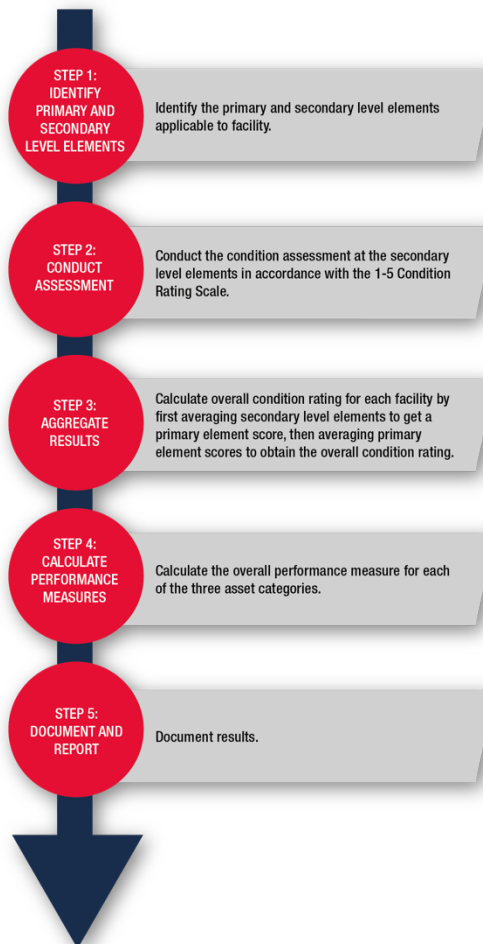


Figure 14 - Facility Condition Assessment Methodology

### Step 1: Identify Primary and Secondary Level Elements

The primary level elements are broad asset categories that divide a building into individual systems. The first step to the condition assessment is identifying which of the following primary level elements are applicable to the facility being assessed:

<sup>22</sup> FTA TAM Facility Performance Measure Reporting Guidebook v1-2

- Structure
- Shell
- Interiors
- Conveyance
- Plumbing
- HVAC
- Fire Protection
- Electrical
- Facility Equipment
- Site

The subsequent step is identifying the secondary level elements that are present within the facility. The following list of secondary elements were identified in the facilities that were assessed

Primary Level Element	Secondary Level Element
Structure	<ul style="list-style-type: none"> <li>• Foundations: Walls, columns, pilings, etc.</li> <li>• Basement: Materials, insulation, slab, floor underpinnings</li> </ul>
Shell	<ul style="list-style-type: none"> <li>• Superstructure / structural frame: Columns, pillars, walls</li> <li>• Roof: Roof surface, gutters, eaves, skylights, chimney surrounds</li> <li>• Exterior: Windows, doors, and all finishes (paint, masonry)</li> <li>• Shell appurtenances: Balconies, fire escapes, gutters, downspouts</li> </ul>
Interiors	<ul style="list-style-type: none"> <li>• Partitions: Walls, interior doors, fittings and signage</li> <li>• Stairs: Interior stairs and landings</li> <li>• Finishes: Materials used on walls, floors, and ceilings</li> <li>• Covers all interior spaces, regardless of use.</li> <li>• Passenger areas: Platform and access tunnels / passageways</li> </ul>
Conveyance	<ul style="list-style-type: none"> <li>• Elevators</li> <li>• Escalators</li> <li>• Lifts: Any other such fixed apparatuses for the movement of goods or people</li> </ul>
Plumbing	<ul style="list-style-type: none"> <li>• Fixtures</li> <li>• Water distribution</li> <li>• Sanitary waste</li> <li>• Rainwater drainage</li> </ul>
HVAC	<ul style="list-style-type: none"> <li>• Energy supply</li> <li>• Heat generation and distribution systems</li> <li>• Cooling generation and distribution systems</li> <li>• Testing, balancing, controls, and instrumentation</li> <li>• Chimneys and vents</li> </ul>
Fire Protection	<ul style="list-style-type: none"> <li>• Sprinklers</li> <li>• Standpipes</li> <li>• Hydrants and other fire protection specialties</li> </ul>
Electrical	<ul style="list-style-type: none"> <li>• Electrical service &amp; distribution</li> <li>• Lighting &amp; branch wiring (interior and exterior)</li> <li>• Communications &amp; security</li> <li>• Other electrical system-related pieces such as lightning protection, generators, and emergency lighting</li> </ul>
Facility Equipment	<ul style="list-style-type: none"> <li>• Equipment related to the function of the facility, including maintenance or vehicle service equipment – does not include supplies</li> </ul>



Primary Level Element	Secondary Level Element
Site	<ul style="list-style-type: none"> <li>Roadways/driveways and associated signage, markings, and equipment</li> <li>Parking lots and associated signage, markings, and equipment</li> <li>Pedestrian areas and associated signage, markings, and equipment</li> <li>Site development such as fences, walls, and miscellaneous structures</li> <li>Landscaping and irrigation</li> <li>Site utilities</li> </ul>

Table 29 - Facility Assessment Methodology Primary & Secondary Levels

### Step 2: Conduct Assessment

The secondary elements are visually inspected and scored according to a 1 to 5-point scale used in the FTA's TERM. The rating scale is as follows:

Rating	Condition	Description
5	Excellent	No visible defect, new or near new condition, may still be under warranty
4	Good	Good condition, but no longer new, may be slightly defective or deteriorated, but is overall functional
3	Adequate	Moderately deteriorated or defective; but has not exceeded useful life
2	Marginal	Defective or deteriorated in need of replacement; exceeded useful life
1	Poor	Critically damaged or in need of immediate repair; well past useful life

Table 30 - Facilities Condition Assessment Rating Scale

The inspection tasks that are to be performed on the secondary level elements to derive a score are as follows:

Primary Level Element	Secondary Level Element
Substructure	<ul style="list-style-type: none"> <li>Foundations: Inspect walls, columns, pilings, other structural elements for signs of decay.</li> <li>Basement: Inspect non-foundation and structural elements such as facing materials, insulation, slab, floor underpinnings, crawl spaces, etc.</li> </ul>

Primary Level Element	Secondary Level Element
Shell	<ul style="list-style-type: none"> <li>• Inspect superstructure / structural frame, including columns, pillars, and walls.</li> <li>• Inspect façade, curtain wall system, glazing system, exterior sealants, exterior balconies, doors, stairways, parapets, fire escapes, gutters, downspouts.</li> <li>• Inspect windows, doors, and all finishes (paint, masonry).</li> <li>• Inspect roof, including roof surface (tiles, membrane, shingles, gravel etc.), gutters, eaves, skylights, flashing, chimney surrounds, and sealants, hardware and painted or coated surfaces. Note evidence of ponding, or roof leaks, significant age – and other indicators that repair may be necessary. Note age of roof(s) and whether warranty is still in effect.</li> </ul>
Interiors	<ul style="list-style-type: none"> <li>• Inspect soundness and finish of drywall, partitions, interior doors, fittings, ceiling tiles, and signage.</li> <li>• Inspect stairs including fire and access issues.</li> <li>• Inspect interior finishes, including materials used on walls, floors, and ceilings, such as tile, paint, and other coatings. Look for roughness and damage.</li> </ul>
Conveyance	<ul style="list-style-type: none"> <li>• Inspect condition, function, and code compliance of elevators, escalators, lifts, and any other fixed apparatuses for the movement of goods or people.</li> </ul>
Plumbing	<ul style="list-style-type: none"> <li>• Inspect fixtures and pipes for water distribution, sanitary waste, rainwater drainage, and any leaks.</li> </ul>
HVAC	<ul style="list-style-type: none"> <li>• Inspect systems and their elements for energy supply, heating and cooling systems, distribution systems, terminal and package units, controls and instrumentation including testing and balancing, and chimneys. Specifically, inspect coils, housing, drains, and wiring and evaluate overall performance of the system.</li> <li>• Note apparent or reported age of the equipment, past material element replacements/ upgrades, and the apparent level of maintenance exercised. If heating equipment is shut down or not operational at the time of the walk-through survey, provide an opinion of the condition to the extent observed. Note refrigerants and fuels used and their suitability or need for improvement / upgrade.</li> </ul>
Fire Protection	<ul style="list-style-type: none"> <li>• Inspect sprinklers, standpipes, hydrants, fire alarms, emergency lighting, smoke evacuation, stairwell pressurization, and any other specialized elements relating to overall protection system and compliance.</li> </ul>

Primary Level Element	Secondary Level Element
Electrical	<ul style="list-style-type: none"> <li>• Inspect electrical service &amp; distribution, noting deficiencies or needed / recommended upgrades</li> <li>• Inspect lighting and branch wiring (interior and exterior), communications and security, noting deficiencies or needed / recommended upgrades</li> <li>• Examine other electrical system-related pieces such as lightning protection, generators, emergency lighting, and elements related to electrical service and distribution such as conduit, boxes, solar panels and mountings for any damage wire chaffing or loose or corroded connections. Evaluate overall performance of the system.</li> </ul>
Equipment/ Fare Collection	<ul style="list-style-type: none"> <li>• Inspect equipment, noting age, condition, and functional deficiencies.</li> <li>• For Maintenance Facilities, this is focused on major pieces of equipment integral to the function of the facility.</li> <li>• For Passenger Facilities, this item is focused on the fare collection system and any associated elements.</li> </ul>
Site	<ul style="list-style-type: none"> <li>• Inspect roadways/driveways and associated signage, markings, and equipment. Look for cracking or settling of the concrete or asphalt.</li> <li>• Inspect parking lots and associated signage, markings, and equipment. Look for cracking or settling of the concrete or asphalt • Inspect pedestrian areas and associated signage, markings, and equipment. Inspect the curbing and ramps for cracking, settling, holes, uneven surfaces and trip hazards. Pay special attention to wheelchair ramp areas and other ADA / access considerations</li> <li>• Site development such as fences, walls, and miscellaneous structures. Look for corrosion, structural integrity and condition of paint.</li> <li>• Landscaping, Site Utilities: Look for signs of drainage problems such as flooded areas, eroded soil and water damage to the asphalt and clogged storm drain inlets. Visually inspect the irrigation system, if installed. Look for signs of leaks, such as sagging areas in grass and/or pooling water. Look for dead spots in the grass indicating lack of water possibly caused by a mechanical failure.</li> <li>• Inspect passenger huts and benches for corrosion, paint condition, glass condition and damage.</li> </ul>

Table 31 - Primary & Secondary Levels Facility Assessment Task

**Step 3: Aggregate Results**

This condition assessment methodology utilizes an equal weight average, meaning that the various elements have equal weight when calculating an overall facility condition rating score. Once the secondary level elements have been assessed, the secondary level element scores are then averaged out by corresponding primary level element to create a single primary level element score. This can be represented as an equation where P is the primary level element score, S is the secondary level element score and n is the number of secondary level elements within the primary level element.

$$P = \sum_{i=1}^n S_i$$

The primary level element scores are then averaged out again to create an overall facility condition rating score. This can be represented as an equation where FCR is the overall facility condition rating score, P is the primary level element score and m is the number of primary level elements in the facility.

$$FCR = \sum_{x=1}^m P_x$$

The facility condition rating scores are rounded to one decimal place, leaving the results ranging between 1.0 to 5.0. The FTA TERM scale uses integer scores in the ratings, but PRHTA has opted for a score with one decimal place to provide more detail in the condition assessment.

#### **Step 4: Calculate Performance Measures**

FTA TERM performance measure reporting groups facilities into two groups: administrative and maintenance facilities, and passenger terminals and parking facilities. This TAMP has done the same to be in line with FTA standards.

The FTA TERM defines performance for facilities as the number and percentage of facilities under the TERM score of 3. In line with this, the performance measures for this TAMP are the number and percentage of facilities under the score of 3.0.

#### **Step 5: Document and Report**

The findings of this condition assessment effort are then documented and reported in this TAMP.

# Appendix F FACILITY ASSET INVENTORY AND CONDITION ASSESSMENT

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No.	Municipality	Facility	Facility Type	Address	Date Assessed	Condition Assessment Score	Structure	Shell	Interior	Conveyance	Plumbing	HVAC	Fire Protection	Electrical	Facility Equipment	Site
1	Adjuntas	Terminal Municipal de Transportación Pública Adjuntas	Terminal/Parking	Calle Cesar Gonzalez, Adjuntas 00631	3/2/2020	2.9	3.7	3.3	3.2	-	2.3	-	2.4	2.5	-	2.9
2	Aguada	Centro de Usos Múltiples	Terminal/Parking	Calle La Paz, Aguada 00602	3/4/2020	3.4	4.0	3.5	3.0	2.0	3.6	3.8	4.0	3.5	-	3.0
3	Aguadilla	Terminal Pedro R. Hernandez	Terminal/Parking	Ave. San Carlos, Aguadilla 00603	3/10/2020	2.4	3.0	2.6	2.8	1.0	2.0	3.0	1.6	3.3	-	2.5
4	Aguas Buenas	Terminal de Carros Públicos Plaza Agrícola	Terminal	Calle Padre Quiñones, Aguas Buenas 00703	3/9/2020	3.0	4.0	3.2	2.8	-	3.1	-	2.7	2.3	-	3.0
5	Aguas Buenas	Terminal Eurípides Díaz Alvarado	Terminal	Calle Luis Muñoz Rivera, Aguas Buenas 00703	3/6/2020	3.2	3.8	3.1	3.1	-	2.8	-	3.5	3.0	-	3.1
6	Aibonito	Terminal Octavio Guzmán Rivera	Terminal/Parking	151 Calle Gerónimo Martínez, Aibonito 00705	2/28/2020	2.9	4.0	3.2	2.8	-	3.5	-	-	1.3	-	3.0
7	Añasco	Terminal José (Pepe) Morales	Terminal/Parking	Ave. 65 Infantería, Añasco 00610	3/3/2020	2.6	3.5	2.8	3.1	-	2.0	-	1.0	2.5	-	3.0
8	Arecibo	Terminal Victoriano González Nava	Terminal/Parking	Calle Pérez Avilés, Arecibo 00612	3/10/2020	2.1	3.0	2.3	1.9	1.0	2.0	-	1.3	3.0	-	2.5
9	Arecibo	Terminal de Transportación Sur Arecibo	Terminal/Parking	Avenida Juan Rosado, Arecibo 00612	3/10/2020	2.0	3.0	3.3	2.1	1.0	2.0	1.0	1.6	1.0	-	2.5
10	Arroyo	Terminal de Carros Públicos Arroyo	Terminal	Calle Morse, Arroyo 00714	2/18/2020	2.4	3.0	2.7	2.4	-	2.3	2.0	-	1.7	-	2.9
11	Barceloneta	Terminal Fidel Santiago	Terminal/Parking	Calle Georgetti, Barceloneta 00617	3/5/2020	3.1	4.0	3.1	2.3	-	3.3	3.9	3.0	3.0	-	2.6

No.	Municipality	Facility	Facility Type	Address	Date Assessed	Condition Assessment Score	Structure	Shell	Interior	Conveyance	Plumbing	HVAC	Fire Protection	Electrical	Facility Equipment	Site
12	Barceloneta	Administrative and Maintenance Facility	Administrative/ Maintenance	Central Plazuela, Barceloneta 00617	3/6/2020	3.3	4.0	2.9	3.0	-	3.5	3.9	3.3	3.7	-	2.3
13	Bayamon	Terminal Antonio Guardarrama	Terminal	Calle Degetau, Bayamon 00961	3/6/2020	3.3	4.0	2.8	3.1	2.8	3.0	3.8	3.2	3.8	-	3.7
14	Bayamon	Terminal Tomas Kuilan	Terminal/ Parking	Calle Manuel Rossi, Bayamon 00961	3/6/2020	3.3	4.0	3.0	3.1	2.5	4.1	2.8	4.0	2.8	-	3.2
15	Bayamon	Multimodal Terminal	Terminal	Calle Barbosa esq Bobby Capo, Bayamon 00961	3/6/2020	3.8	4.0	3.8	3.9	-	3.0	3.7	4.0	4.1	-	3.6
16	Cabo Rojo	Terminal Fernando Flores	Terminal	Calle Rossy, Cabo Rojo 00623	2/25/2020	3.4	4.0	3.8	3.5	-	4.0	-	1.0	4.0	-	3.8
17	Caguas	Terminal Francisco Pereira	Terminal/ Parking	Calle Goyco, Caguas 00725	3/2/2020	3.3	4.0	3.2	3.3	-	3.1	3.3	3.2	3.0	-	3.1
18	Camuy	Estacion Municipal Trolley Camuy	Terminal/ Parking	Calle San Jose, Camuy 00627	3/3/2020	3.7	4.0	3.8	3.9	-	4.0	3.3	3.0	4.0	-	3.2
19	Camuy	Terminal Felipe Martinez Hernandez	Terminal/ Parking	Calle San Jose, Camuy 00627	3/3/2020	3.3	4.0	3.3	3.4	2.0	3.3	3.6	4.0	3.6	-	2.9
20	Canóvanas	Terminal Norte Canóvanas	Terminal/ Parking	Calle Palmer, Canóvanas 00729	3/9/2020	3.0	3.0	2.7	2.9	-	2.5	3.3	3.8	3.0	-	3.0
21	Canóvanas	Terminal de Carros Públicos Canóvanas Sur	Terminal/ Parking	Calle Autonomia (PR-185) / Calle Pepita Albandoz, Canóvanas 00729	3/9/2020	3.7	4.0	3.7	3.4	4.0	3.7	4.0	3.5	3.0	-	3.8
22	Carolina	Terminal Barrazas	Terminal/ Parking	PR 853 Int 852, Carolina 00976	3/3/2020	2.8	3.0	2.6	2.8	-	3.0	1.0	3.0	4.0	-	2.9
23	Carolina	Terminal de Carros Públicos Carolina	Terminal/ Parking	Calle San Francisco, Carolina 00976	3/5/2020	3.7	4.0	4.0	3.9	4.0	3.1	3.7	3.4	4.1	-	3.4

No.	Municipality	Facility	Facility Type	Address	Date Assessed	Condition Assessment Score	Structure	Shell	Interior	Conveyance	Plumbing	HVAC	Fire Protection	Electrical	Facility Equipment	Site
24	Cataño	Terminal Miguel Santiago Ocasio	Terminal/ Parking	Ave. Las Nereidas, Cataño 00962	3/9/2020	3.5	4.0	4.3	3.4	2.0	3.1	-	4.0	3.5	-	3.5
25	Cayey	Terminal Mercedes Ortiz	Terminal	Baldorioty PR 14 Salida Aibonito, Cayey 00735	2/27/2020	3.6	4.0	3.8	3.7	-	3.5	3.6	2.9	3.8	-	3.5
26	Cayey	Terminal Leonides (Johnny) Toledo	Terminal/ Parking	Calle Baldorioty de Castro, Cayey 00735	2/27/2020	3.0	4.0	3.5	3.4	1.0	2.4	-	2.9	3.0	-	3.5
27	Ciales	Terminal de Carros Públicos Ciales	Terminal	Calle Palmer, Ciales 00638	3/5/2020	3.5	4.0	4.0	3.4	-	3.0	-	3.3	3.0	-	3.5
28	Ciales	Terminal Angel Cabiya San Miguel	Terminal/ Parking	Calle Jose de Diego, Ciales 00638	3/5/2020	3.2	3.0	3.0	3.0	3.5	2.8	4.0	-	3.0	-	3.5
29	Cidra	Terminal de Carros Públicos Cidra	Terminal/ Administrative	PR 172 al lado Alcaldía Cidra, Cidra 00739	2/21/2020	3.9	4.0	3.9	3.9	4.0	3.9	4.0	3.6	4.0	-	3.7
30	Coamo	Terminal Dionisio Pagan	Terminal/ Parking	Calle Jose Quinton, Coamo 00769	2/28/2020	3.8	4.0	3.7	3.8	-	3.3	-	-	4.0	-	3.8
31	Comerio	Terminal Antonio Toñin Pereira	Terminal/ Parking	Calle Muñoz Rivera, Comerio 00782	3/2/2020	2.7	3.2	3.4	2.7	-	2.7	2.3	2.5	1.9	-	2.9
32	Corozal	Terminal Jose Taboas	Terminal/ Parking/ Administrative	Calle Bou, Corozal 00783	3/2/2020	3.3	3.7	3.6	2.6	-	3.8	3.7	2.9	3.4	-	3.0
33	Dorado	Terminal Jose P. Lopez	Terminal/ Parking	Calle Mendez Vigo, Dorado 00646	3/4/2020	3.8	4.0	3.8	3.9	-	4.3	-	3.8	3.7	-	3.5



No.	Municipality	Facility	Facility Type	Address	Date Assessed	Condition Assessment Score	Structure	Shell	Interior	Conveyance	Plumbing	HVAC	Fire Protection	Electrical	Facility Equipment	Site
34	Fajardo	Terminal Transportación Pública de Fajardo	Terminal/Parking	Calle Jorge Bird Leon, Fajardo 00738	2/28/2020	3.6	4.0	3.2	3.7	-	3.4	3.8	3.0	4.1	-	3.5
35	Florida	Terminal Luis A. Ferre	Terminal/Parking	Ext. Muñoz Rivera, Florida 00650	2/28/2020	2.8	4.0	3.4	2.8	2.0	3.0	1.5		3.0		2.6
36	Guayama	Terminal Miguel Díaz Tirado	Terminal/Parking	Calle Ashford, Guayama 00785	2/28/2020	3.0	3.5	3.0	2.9	-	3.5	3.3	1.6	3.2	-	3.3
37	Guayanilla	Miguel A. Ortiz Public Transportation Terminal	Terminal/Parking	Calle Munoz Rivera, Guayanilla 00656	-		-	-	-	-	-	-	-	-	-	-
38	Guaynabo	Terminal Albizu Campos	Terminal/Parking	Calle Jose Barbosa, Guaynabo 00970	3/4/2020	3.3	3.5	2.8	2.9	-	3.0	4.0	3.8	3.5	-	2.6
39	Gurabo	Terminal de Carros Públicos Gurabo	Terminal/Parking	Calle Angel Morales, Gurabo 00778	2/21/2020	3.2	3.0	3.1	2.9	-	3.0	3.0	4.0	3.5	-	3.1
40	Hatillo	Terminal Satelite Campo Alegre	Terminal/Parking	Carr. 130 km 11.5, Hatillo 00659	3/9/2020	3.4	4.0	3.6	4.0	-	3.6	2.4	3.3	3.3	-	3.4
41	Hatillo	Terminal Efrain Siverio	Terminal/Parking	Pablo J Aguilar, Hatillo 00659	3/9/2020	3.4	4.0	3.4	3.4	-	3.4	3.5	3.3	3.2	-	3.0
42	Hormigueros	Terminal de Carros Públicos Hormigueros	Terminal/Parking	Calle Oriente interior, Hormigueros 00660	2/27/2028	3.7	3.7	3.9	4.1	2.5	3.6	4.0	3.8	4.0	-	4.0
43	Hormigueros	Terminal de Trolley Hormigueros	Terminal/Parking	Calle San Antonio, Hormigueros 00660	2/28/2020	3.7	4.0	3.7	4.0	-	3.0	-	-	3.5	-	3.8

No.	Municipality	Facility	Facility Type	Address	Date Assessed	Condition Assessment Score	Structure	Shell	Interior	Conveyance	Plumbing	HVAC	Fire Protection	Electrical	Facility Equipment	Site
44	Humacao	Terminal Norte Humacao	Terminal/Parking	Int Cruz Ortiz y E. Melendez, Humacao 00791	2/24/2020	3.7	4.0	3.2	3.7	4.0	3.8	3.5	4.0	3.9	-	3.1
45	Humacao	Terminal Sur Humacao	Terminal/Parking	Boulevard del Rio, Humacao 00791	2/26/2020	3.2	3.5	2.9	3.1	2.0	3.0	4.0	3.4	3.3	-	3.7
46	Jayuya	SITCOM	Terminal/Parking	Calle Barceló, Jayuya 00664	2/25/2020	4.5	5.0	4.6	4.9	-	4.6	3.9	5.0	4.0	-	4.3
47	Juana Díaz	Terminal Clotilde Colón	Terminal/Parking	Calle Comercio, Juana Díaz 00795	2/28/2020	3.0	2.7	3.7	3.1	-	2.9	2.8	2.7	3.0	-	3.5
48	Juncos	Terminal Jose Cruz Fernandez	Terminal/Parking	Calle Muñoz Rivera y Calle Algarin, Juncos 00777	2/21/2020	2.9	3.0	2.9	2.7	-	2.5	3.8	2.1	3.1	-	2.9
49	Lajas	Terminal de Carros Públicos Lajas	Terminal/Parking	Calle Juan Cancio Ortiz, Lajas 00667	2/24/2020	3.3	3.0	3.0	3.8	-	3.4	3.3	4.0	3.7	-	2.3
50	Lares	Terminal Santiago Echevarria	Terminal/Parking	Calle Muñoz Rivera, Lares 00669	2/21/2020	2.9	3.2	3.2	2.4	-	2.3	-	-	3.2	-	2.9
51	Las Marias	Terminal de Carros Públicos Las Marias	Terminal/Parking	Carretera estatal 119, Las Marias 00670			3.3	3.5	3.1	3.5	-	3.3	3.0	-	3.2	-
52	Las Piedras	Terminal Antonio "Toño" Rivera	Terminal/Parking	C/ Jose Celso Barbosa PR198, Las Piedras 00771	2/5/2020	3.5	4.0	3.6	3.4	2.0	3.3	5.0	3.5	3.1	-	3.9
53	Loíza	Terminal Loiza	Terminal/Parking	San Patricio, Loíza 00772	2/24/2020	3.1	4.0	2.4	2.5	-	2.8	3.8	4.0	2.7	-	2.6
54	Manati	Terminal Trolleys Angel Cintron	Terminal/Parking	Calle Patriota Pozo, Manati 00674	2/18/2020	3.6	4.0	3.1	3.7	4.0	2.5	4.0	4.0	3.5	-	3.4

No.	Municipality	Facility	Facility Type	Address	Date Assessed	Condition Assessment Score	Structure	Shell	Interior	Conveyance	Plumbing	HVAC	Fire Protection	Electrical	Facility Equipment	Site
55	Manati	Terminal Valeriano Aulet Carrion	Terminal/ Parking	Calle Patriota del Pozo, Manati 00674	2/20/2020	2.8	3.0	2.5	2.6	-	2.3	2.8	3.4	2.5	-	2.9
56	Mayaguez	Terminal Balboa	Terminal/ Parking	Calle Oriente, Mayaguez 00681	2/10/2020	3.9	4.0	3.9	3.8	-	4.0	4.0	-	3.8	-	3.9
57	Mayaguez	Terminal Barcelona	Terminal/ Parking	Calle Peral, Mayaguez 00681	2/10/2020	3.3	4.0	2.9	2.8	3.0	3.3	4.0	4.0	2.5	-	2.8
58	Moca	Terminal Moca	Terminal/ Parking	Calle Pedro Santos, Moca 00676	2/4/2020	3.4	4.0	3.7	3.3	-	2.9	-	-	2.8	-	3.4
59	Morovis	Terminal Luis Anglero	Terminal/ Parking	Calle Baldorioty, Morovis 00687	2/28/2020	2.5	4.0	2.2	2.4	-	2.5	2.0	1.5	2.7	-	3.0
60	Naguabo	Terminal Publico	Terminal/ Parking	Int. Garcet & Goyco, Naguabo 00718	2/20/2020	2.6	3.0	2.7	2.5	-	2.3	-	3.0	2.3	-	2.1
61	Naranjito	Terminal Juan Molina	Terminal/ Parking	Calle Georgetti 19A, Naranjito 00719	2/28/2020	2.6	3.5	2.3	3.2	-	3.0	1.0	2.7	2.3	-	2.7
62	Patillas	Terminal de Carros Públicos Patillas	Terminal/ Parking	Calle División Sur, Patillas 00723	2/19/2020	3.8	4.0	4.0	3.9	-	4.0	4.0	3.1	3.7	-	3.9
63	Ponce	Terminal Carlos Garay	Terminal/ Parking	Calle Victoria y Vives, Ponce 00733	3/6/2020	2.2	2.5	3.2	2.9	-	2.5	1.0	1.0	2.1	-	2.7
64	Ponce	Terminal Dora Colon	Terminal/ Parking	Calle Concordia, Ponce 00733	3/6/2020	3.5	3.3	3.8	3.9	2.5	3.4	4.0	2.8	3.5	-	3.9
65	Quebradillas	Terminal Dionisio Ruiz Velez	Terminal/ Parking	Calle del Carmen, Quebradillas 00678	2/6/2020	2.7	4.0	3.2	3.0	-	2.3	-	-	1.5	-	2.0
66	Rincon	Terminal de Carros Públicos Rincon	Terminal/ Parking	Calle Nueva, Rincon 00677	2/4/2020	3.1	4.0	2.7	2.9	-	2.8	4.0	2.3	3.0	-	2.7

No.	Municipality	Facility	Facility Type	Address	Date Assessed	Condition Assessment Score	Structure	Shell	Interior	Conveyance	Plumbing	HVAC	Fire Protection	Electrical	Facility Equipment	Site
67	Rio Grande	Terminal de Carros Públicos Rio Grande	Terminal/ Parking	San Antonio PR-187, Rio Grande 00745	2/18/2020	3.0	3.5	3.0	3.0	2.0	2.8	4.0	2.4	3.9	-	2.7
68	Sabana Grande	Terminal Osvaldo Montalvo	Terminal/ Parking	Calle Betances, Sabana Grande 00637	2/7/2020	3.5	4.0	3.9	3.5	-	3.5	3.9	2.2	3.7	-	3.2
69	Salinas	Terminal Salinas	Terminal/ Parking	PR 1, Salinas 00751	2/6/2020	3.7	4.0	3.9	3.8	-	3.8	-	-	3.0	-	3.5
70	San German	Terminal de Carros Públicos San German	Terminal/ Parking	Ave. Univ Interamericana/Calle Oriente, San German 00683	2/11/2020	3.2	4.0	3.0	3.1	-	2.7	4.0	4.1	2.7	-	2.5
71	San German	Terminal Fernando e Isabel	Terminal/ Parking	Calle Hernan Alvarez, San German 00683	2/11/2020	3.2	4.0	2.9	3.5	-	3.0	-	-	3.3	-	2.7
72	San Juan	Terminal Covadonga	Terminal/ Parking	Paseo Covadonga #10, San Juan 00901	2/26/2020	3.0	3.0	3.2	3.3	2.8	2.5	3.1	3.6	3.3	-	2.4
73	San Juan	Terminal Juan A. Palerm	Terminal/ Parking	Calle Vallejo esq Arzuaga, San Juan 00965	2/26/2020	2.8	3.7	2.7	2.7	-	2.6	3.7	1.6	2.9	-	2.9
74	San Juan	Terminal del Sur Rio Piedras	Terminal/ Parking	Calle Camelio Soto, Rio Piedras, San Juan 00925	3/2/2020	3.4	4.0	3.6	3.8	1.0	3.6	4.0	3.6	3.5	-	3.5
75	San Lorenzo	Terminal Franciso "Pancho" Lozada	Terminal/ Parking	Calle Tous Soto, San Lorenzo 00754	2/6/2020	3.6	4.0	4.0	3.4	-	3.8	3.9	4.0	3.0	-	3.1
76	San Sebastian	Terminal San Sebastian	Terminal/ Parking	Calle Clara Cardona, San Sebastian 00685	2/7/2020	2.4	1.8	2.6	2.9	-	2.0	2.0	-	3.0	-	2.3

No.	Municipality	Facility	Facility Type	Address	Date Assessed	Condition Assessment Score	Structure	Shell	Interior	Conveyance	Plumbing	HVAC	Fire Protection	Electrical	Facility Equipment	Site
77	Santa Isabel	Terminal Fidel Rivera Romero	Terminal/ Parking	C/ Francisco Anselmi, Santa Isabel 00757	2/5/2020	3.1	4.0	3.5	3.1	-	3.0	-	2.0	3.1	-	3.1
78	Toa Baja	Area de Transbordo	Terminal/ Parking	Ave Sabana Seca C/867, Toa Baja 00977	2/21/2020	4.1	5.0	4.6	4.8	-	3.7	-	-	3.3	-	3.5
79	Trujillo Alto	Terminal Trujillo Alto	Terminal/ Parking	Calle Borinquen int Calle Muñoz Rivera, Trujillo Alto 00977	2/3/2020	2.4	3.0	1.7	2.2	-	1.7	2.1	3.0	3.3	-	2.4
80	Utuado	Terminal Carmello Martell	Terminal/ Parking	Calle Sargento Malaret, Utuado 00641	2/11/2020	3.1	3.0	2.2	3.4	-	2.7	3.3	4.0	3.7	-	2.9
81	Vega Alta	Antiguo Terminal de Carros Públicos	Terminal/ Parking	C/676 C/Luis Muñoz Rivera, Vega Alta 00692	2/4/2020	3.3	3.3	3.6	3.9	-	4.0	4.0	1.7	3.1	-	3.1
82	Vega Baja	Terminal Hector Sardín	Terminal/ Parking	C/686 Km 66.6, Vega Baja 00693	2/4/2020	3.6	4.2	3.3	4.2	1.0	3.8	5.0	3.5	3.4	-	3.6
83	Vega Baja	Estación del Tren	Terminal/ Parking	C/686 Km 18.5, Vega Baja 00693	2/4/2020	3.6	4.0	3.9	3.2	-	4.0	3.0	4.0	4.0	-	2.6
84	Vega Baja	Taller de Mantenimiento Movilidad Ciudadana	Maintenance	c/155 Km 66.6, Vega Baja 00693	2/11/2020	3.6	4.0	3.4	3.6	-	4.0	3.9	3.7	3.1	-	3.0
85	Villalba	Terminal Ismael Zaragoza Melendez	Terminal/ Parking	Calle Muñoz Rivera intersección Calle Schalton, Villalba 00766	2/3/2020	2.8	3.0	2.4	2.7	-	2.8	3.5	-	2.6	-	3.1

No.	Municipality	Facility	Facility Type	Address	Date Assessed	Condition Assessment Score	Structure	Shell	Interior	Conveyance	Plumbing	HVAC	Fire Protection	Electrical	Facility Equipment	Site
86	Yabucoa	Terminal de Carros Públicos Plaza de Mercado	Terminal/Parking	Calle 2, Yabucoa 00767	2/3/2020	2.1	2.7	2.0	1.8	-	2.9	1.0		1.8		2.8
87	Yauco	STC Barinas	Terminal/Parking	Calle Andres Leon, Yauco 00698	3/3/2020	4.0	3.2	4.4	4.2	-	3.8	4.9	-	4.3	-	3.3
88	Yauco	STC Rio Prieto	Terminal/Parking	Carr 324 Rio Prieto, Yauco 00698	3/4/2020	3.3	4.0	3.6	3.7	-	2.8	-	-	3.3	-	2.6
89	Yauco	STC Pueblo	Terminal/Parking	Calle Teniente Alvarado y Calle Pacheco, Yauco 00698	3/10/2020	4.0	4.0	4.1	4.0	-	4.0	4.0	3.7	4.0	-	4.2

# **Appendix G    NTD PERFORMANCE TARGETS**

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# PRHTA TRANSIT ASSET MANAGEMENT PLAN (TAM)

The Puerto Rico Highway and Transportation Authority (PRHTA) is developing its Transit Asset Management Plan in accordance with 49 CFR Part 625. PRHTA is conducting three (3) TAM plans for its transit providers: 1) ATI- TU (Heavy Rail) 2) Tier 2 Group Plan 3) Maritime Transit Authority. A TAM plan is a systematic way of managing transit capital assets acquired with funds under Chapter 53, Title 49.

## Performance targets

According to 49 CFR part 625.45 and 625.45 a provider must set a performance target for each applicable performance measures. An annual report should be submitted to FTA’s National Transit Database (NTD) that reflects the performance targets for the following years in the A- 90 form.

A performance measure describes the State of Good Repair of an asset. There are four (4) measures per each class of asset.

## How did PRHTA set the targets?

Data from capital assets was collected from transit operators - 34 municipalities and 3 agencies. Each inventory was analyzed and validated to determine the performance measure for each type of asset.

Type of Assets	Performance Measure
Rolling Stock	% of revenue vehicles that exceeded the Useful life benchmark (ULB)
Equipment	% of revenue vehicles that exceeded the Useful life benchmark (ULB)
Facilities	The percentage of facilities (by group) that are rated less than 3.0 on the Transit Economic Requirements Model (TERM) Scale
Infrastructure	The percentage of track segments (by mode) that have performance restrictions. Track segments are measured to the nearest 0.01 of a mile.

1	2	3	4	5
Poor	Marginal	Adequate	Good	Excellent



<b>PRHTA Group Plan</b>					
<b>Type of vehicle</b>	<b>Fleet Size</b>	<b>Default ULB</b>	<b>FY18 Base</b>	<b>FY19 Base</b>	<b>FY20 Targets</b>
Trolleybus (TB)	<b>35</b>	<b>13</b>	44%	44%	34%
Cutaway Bus (CU)	<b>104</b>	<b>10</b>	6%	6%	15%
Van (VN)	<b>90</b>	<b>8</b>	39%	27%	40%
Bus (BU)	<b>309</b>	<b>14</b>	10%	10%	17%
Minibus (MB)	<b>73</b>	<b>10</b>	27%	14%	10%
School Bus (SB)	<b>1</b>	<b>14</b>	0%	0%	0%
Automobile (AU)	<b>25</b>	<b>8</b>	0%	0%	0%
Minivan (MV)	<b>0</b>	<b>8</b>	0%	0%	0%
Articulated bus	<b>8</b>	<b>14</b>	<b>0%</b>	<b>0%</b>	0%
<b>Asset-Equipment</b>					
Automobiles (AO)	58	8	53%	53%	24%
Truck and other rubber vehicles	26	14	45%	45%	62%
<b>Maritime Transport Authority</b>					
Vessels	3	42	0%	0%	0%

ATI-TU					
Asset – Rolling Stock	Fleet	FTA Default ULB	FY18 Base	FY19 Base	FY20 Targets
Heavy Rail Passenger Car (HR)	74	31	0%	0%	0%
Asset-Equipment					
Automobile (AO)	32	8	28%	34%	0%
Trucks and other rubber vehicles	14	14	64%	56%	30%
Asset-Facilities	Facilities	TERM Scale (below 3)	FY18 Base	FY19 Targets	FY20 Targets
Passenger/Parking	16	3	0%	0%	0%
Administrative/Maintenance	2	3	0%	0%	0%
Asset-Infrastructure	Track Segments	Performance Restriction	FY18 Base	FY19 Targets	FY20 Targets
Rail Fixed Guideway	53	0.01 of a mile	1.65	5	5%

# Appendix H ASSET INVENTORY AND INVESTMENTS BY MUNICIPALITY

Rolling Stock and Equipment vehicles are not in a State of Good Repair if they are over their Useful Life Benchmark (ULB). Facilities are not in a State of Good Repair if their Facility Condition Rating is below a 3.0.

## H.1 ADJUNTAS

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Municipal de Transportación Pública Adjuntas	1	1	100%
Rolling Stock	Bluebird CS Transhuttle	1	1	100%
	Dodge RAM 3500	2	2	100%
	Freightliner M1319FD	1	1	100%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.2 AGUADA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Centro de Usos Multiples	1	0	0%
Rolling Stock	Chevrolet Express Cutaway	1	0	0%
	Ford Econoline E350	1	0	0%
	Ford Econoline E450	1	0	0%
	Ford Transit T-350 HD	1	0	0%
	Freightliner M-LINE Shuttle	2	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Maintenance	\$60,059	\$15,393	\$0	\$0	\$75,452
General	Operations	\$304,476	\$0	\$0	\$0	\$304,476
	Maintenance	\$74,144	\$19,003	\$0	\$0	\$93,147
Rolling Stock	Acquisition	\$416,674	\$85,851	\$0	\$0	\$502,525
<b>Summary</b>		<b>\$855,353</b>	<b>\$120,247</b>	<b>\$0</b>	<b>\$0</b>	<b>\$975,600</b>

## H.3 AGUADILLA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Pedro R. Hernandez	1	1	100%
Rolling Stock	Chevrolet Express	3	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
General	Operations	\$82,905	\$0	\$0	\$0	\$82,905
	Maintenance	\$2,400	\$0	\$0	\$0	\$2,400
<b>Summary</b>		<b>\$85,305</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$85,305</b>

## H.4 AGUAS BUENAS

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal de Carros Públicos Plaza Agricola	1	1	0%
	Terminal Euripides Diaz Alvarado	1	1	0%
Rolling Stock	Ford Transit T-350 HD	2	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.5 AIBONITO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Octavio Guzman Rivera	1	1	100%
Rolling Stock	El Dorado National Aerotech	1	0	0%
	Ford Econoline 450	1	0	0%
	Ford Transit 350	1	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$0	\$80,000	\$0	\$0	\$80,000
Facility	Renewal	\$133,493	\$310,980	\$0	\$0	\$444,473
Rolling Stock	Acquisition	\$180,000	\$0	\$0	\$0	\$180,000
<b>Summary</b>		<b>\$313,493</b>	<b>\$390,980</b>	<b>\$0</b>	<b>\$0</b>	<b>\$704,473</b>

## H.6 AÑASCO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Jose (Pepe) Morales	1	1	100%
Rolling Stock	Ford E450	2	0	0%
	Ford Transit	5	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Facility	Renewal	\$1,274,017	\$0	\$0	\$0	\$1,274,017
General	Operations	\$3,374	\$0	\$0	\$0	\$3,374
	Maintenance	\$9,826	\$2,519	\$0	\$0	\$12,345
Rolling Stock	Acquisition	\$128,000	\$0	\$0	\$0	\$128,000
	Operations	\$91,967	\$45,985	\$0	\$0	\$137,952
	Maintenance	\$16,664	\$8,332	\$0	\$0	\$24,996.00
<b>Summary</b>		<b>\$1,523,848</b>	<b>\$56,836</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,580,684</b>



## H.7 ARECIBO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal de Transportacion Sur Arecibo	1	1	100%
	Terminal Victoriano Gonzalez Nava	1	1	100%
Rolling Stock	Chevrolet Express G3500	1	0	0%
	Ford Transit	1	0	0%
	Freightliner M-Line Shuttlebus	2	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.8 ARROYO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal de Carros Públicos Arroyo	1	1	100%
Rolling Stock	Ford E-450	1	0	0%
	Ford Transit 350HD	1	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.9 BARCELONETA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Administrative and Maintenance Facility	1	0	0%
	Terminal Fidel Santiago	1	0	0%
Rolling Stock	Chevrolet Express	1	0	0%
	Chevrolet Express G3500	2	0	0%
	Chevrolet Express G4500	5	0	0%
	Dodge Ram B3500	1	0	0%
	Ford E450 Econoline Super Duty Van	2	0	0%
	Ford Transit T-350 HD	3	0	0%
	Freightliner M-Line Shuttlebus	8	0	0%
Equipment	Dodge Ram 1500	1	0	0%
	Dodge Ram 2500	1	0	0%
	Jeep Cherokee	1	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$245,078	\$47,982	\$0	\$0	\$293,060
Facility	Renewal	\$1,180,000	\$0	\$0	\$0	\$1,180,000
General	Operations	\$2,660,284	\$1,335,399	\$1,358,412	\$674,343	\$6,028,438
Rolling Stock	Acquisition	\$435,000	\$0	\$0	\$0	\$435,000
	Maintenance	\$972,071	\$785,434	\$660,000	\$793,288	\$3,210,793
<b>Summary</b>		<b>\$5,492,433</b>	<b>\$2,168,815</b>	<b>\$2,018,412</b>	<b>\$1,467,631</b>	<b>\$11,147,291</b>

## H.10 BARRANQUITAS

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Rolling Stock	Ford E-450	1	0	0%
	Ford Transit T-350 HD	1	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Facility	Renewal	\$51,064	\$357,608	\$0	\$0	\$408,672
<b>Summary</b>		<b>\$51,064</b>	<b>\$357,608</b>	<b>\$0</b>	<b>\$0</b>	<b>\$408,672</b>

## H.11 BAYAMÓN

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Multimodal Terminal	1	0	0%
	Terminal Antonio Guardarrama	1	0	0%
	Terminal Tomas Kuilan	1	0	0%
Rolling Stock	CHEVROLET EXPRESS CARGO	3	3	100%
	Ford E350	1	1	100%
	Ford EL DORADO VERSASHUTTLE	1	1	100%
	Freightliner INTERNATIONAL 3200 STARTRANS	2	2	100%
	Freightliner VILLAGER	1	0	0
	Freightliner VILLAGER (Trolley Body)	8	0	0

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
General	Operations	\$442,234	\$0	\$0	\$0	\$442,234.00
Equipment	Acquisition	\$44,000	\$0	\$0	\$0	\$44,000
Facility	Maintenance	\$400,000	\$0	\$0	\$0	\$400,000
	Renewal	\$8,955,928	\$0	\$0	\$0	\$8,955,928
Rolling Stock	Acquisition	\$568,000	\$0	\$0	\$0	\$568,000
	Operations	\$82,424	\$83,248	\$84,080	\$0	\$249,752
	Maintenance	\$72,483	\$36,786	\$0	\$0	\$109,269
<b>Summary</b>		<b>\$10,565,069</b>	<b>\$120,034</b>	<b>\$84,080</b>	<b>\$0</b>	<b>\$10,769,183</b>

## H.12 CABO ROJO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Rolling Stock	Ford Aerotech	3	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.13 CAGUAS

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Francisco Pereira	1	0	0%
Rolling Stock	Chevrolet Express	4	0	0%
	Ford E-450 SD	8	0	0%
	Ford Transit	6	0	0%
	Freightliner M-Line Shuttlebus	9	9	100%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Facility	Renewal	\$5,013,602	\$3,017,002	\$0	\$0	\$8,030,604
General	Operations	\$359,948	\$0	\$0	\$0	\$359,948
	Maintenance	\$177,694	\$57,955	\$0	\$0	\$235,649
Rolling Stock	Acquisition	\$358,806	\$114,621	\$0	\$0	\$473,427
<b>Summary</b>		<b>\$5,910,050</b>	<b>\$3,189,578</b>	<b>\$0</b>	<b>\$0</b>	<b>\$9,099,628</b>

## H.14 CAMUY

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Estacion Municipal Trolley Camuy	1	0	0%
	Terminal Felipe Martinez Hernandez	1	0	0%
Rolling Stock	Ford E-450	1	0	0%
	Ford E-450 Aerotech	1	0	0%
	Ford Econoline E350	3	3	100%
	Ford Transit	5	0	0%
	Freightliner M-Line Shuttlebus	4	3	75%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$73,125	\$0	\$0	\$0	\$73,125
General	Operations	\$478,830	\$121,506	\$0	\$0	\$600,336
Rolling Stock	Acquisition	\$890,000	\$0	\$0	\$0	\$890,000
	Maintenance	\$83,666	\$33,969	\$0	\$0	\$117,635
<b>Summary</b>		<b>\$1,525,621</b>	<b>\$155,475</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,681,096</b>



## H.15 CANÓVANAS

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal de Carros Públicos Canóvanas Sur	1	0	0%
	Terminal Norte Canóvanas	1	0	0%
Rolling Stock	Ford AEROTECH 240	2	0	0%
	Ford Econoline 350	2	2	100%
	Ford Startcraft	4	0	0%
	Ford VERSASHUTLE	3	3	100%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$33,125	\$0	\$0	\$0	\$33,125
Facility	Renewal	\$45,000	\$0	\$0	\$0	\$45,000
Rolling Stock	Acquisition	\$303,200	\$0	\$0	\$0	\$303,200
	Maintenance	\$237,875	\$63,756	\$0	\$0	\$301,631
<b>Summary</b>		<b>\$619,200</b>	<b>\$63,756</b>	<b>\$0</b>	<b>\$0</b>	<b>\$682,956</b>

## H.16 CAROLINA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Barrazas	1	1	100%
	Terminal de Carros Públicos Carolina	1	0	0%
Rolling Stock	Bluebird Transit Bus	8	8	100%
	Bluebird XCEL102	10	8	80%
	Chevrolet Express G3500	3	2	67%
	Ford E350	1	1	100%
	Freightliner ARRIVO	3	0	0%
	International 3000	11	8	73%
Equipment	Chevrolet Express G1500	1	1	20%
	Chevrolet Express G3500	1	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$5,174	\$0	\$0	\$0	\$5,174
	Renewal	\$28,983	\$0	\$0	\$0	\$28,983
Facility	Renewal	\$314,299	\$112,197	\$0	\$0	\$426,496
General	Operations	\$1,047,914	\$99,360	\$99,360	\$99,360	\$1,345,994
	Maintenance	\$1,099,196	\$281,704	\$0	\$0	\$1,380,900
Rolling Stock	Renewal	\$771,973	\$0	\$0	\$0	\$771,973
<b>Summary</b>		<b>\$3,267,539</b>	<b>\$493,261</b>	<b>\$99,360</b>	<b>\$99,360</b>	<b>\$3,959,520</b>

## H.17 CATAÑO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Miguel Santiago Ocasio	1	0	0%
Rolling Stock	Bluebird Transit Bus	1	0	0%
	Ford E-450 Super Duty	2	0	0%
	Ford Transit T-350 HD	1	0	0%
	Freightliner M-Line Shuttlebus	1	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
General	Operations	\$128,000	\$64,000	\$0	\$0	\$192,000
	Maintenance	\$201,505	\$51,515	\$0	\$0	\$253,020
Rolling Stock	Acquisition	\$446,028	\$0	\$0	\$0	\$446,028
<b>Summary</b>		<b>\$775,533</b>	<b>\$115,515</b>	<b>\$0</b>	<b>\$0</b>	<b>\$891,048</b>

## H.18 CAYEY

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Leonides (Johnny) Toledo	1	1	100%
	Terminal Mercedes Ortiz	1	0	0%
Rolling Stock	Chevrolet Express	2	2	100%
	Ford 450 POWERSTROKE	2	2	100%
	Ford Aerotech	3	1	33%
	Ford E-450 ECONOLINE	2	0	0%
	Ford FREIGHTLINER	4	4	100%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Facility	Renewal	\$525,532	\$0	\$1,000,000	\$0	\$1,525,532
General	Operations	\$221,511	\$0	\$0	\$0	\$221,511
	Maintenance	\$213,874	\$35,846	\$0	\$0	\$249,720
Rolling Stock	Acquisition	\$745,404	\$112,045	\$0	\$0	\$857,449
<b>Summary</b>		<b>\$1,706,321</b>	<b>\$147,891</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$2,854,212</b>

## H.19 CEIBA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Rolling Stock	Ford EL DORADO VERSASHUTTLE	2	2	100%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.20 CIALES

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Angel Cabiya San Miguel	1	0	0%
	Terminal de Carros Públicos Ciales	1	0	0%
Rolling Stock	Ford Econoline E350 Super Duty Van	1	0	0%
	Ford Econoline Super Duty Van	4	0	0%
	Ford EL DORADO VERSASHUTTLE	1	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$21,250	\$0	\$0	\$0	\$21,250
General	Maintenance	\$75,753	\$25,758	\$0	\$0	\$101,511
<b>Summary</b>		<b>\$97,003</b>	<b>\$25,758</b>	<b>\$0</b>	<b>\$0</b>	<b>\$122,761</b>

## H.21 CIDRA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal de Carros Públicos Cidra	1	0	0%
Rolling Stock	Ford Econoline E-350	2	0	0%
	Ford EL DORADO VERSASHUTTLE	1	0	0%
	Ford Transit 350HD	2	0	0%
	Freightliner	2	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
General	Operations	\$108,263	\$0	\$0	\$0	\$108,263
	Maintenance	\$38,065	\$19,319	\$0	\$0	\$57,384
Rolling Stock	Acquisition	\$270,320	\$0	\$0	\$0	\$270,320
<b>Summary</b>		<b>\$416,648</b>	<b>\$19,319</b>	<b>\$0</b>	<b>\$0</b>	<b>\$435,967</b>

## H.22 COAMO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Dionisio Pagan	1	0	0%
Rolling Stock	Ford	1	0	0%
	Ford E-350 Versa Shuttle	3	3	100%
	Ford Econoline Aerotech 240	3	0	0%
	Ford Transit T-350 HD	1	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*



## H.23 COMERÍO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Antonio Toñin Pereira	1	1	100%
Rolling Stock	Chevrolet Express	3	0	0%
	Ford E-450	1	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$1,500	\$0	\$0	\$0	\$1,500
Facility	Renewal	\$26,250	\$0	\$0	\$0	\$26,250
<b>Summary</b>		<b>\$27,750</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$27,750</b>

## H.24 COROZAL

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Jose Taboas	1	0	0%
Rolling Stock	Ford E-450	3	0	0%
	Ford Econoline E-350	1	1	100%
	Freightliner M-Line Shuttlebus	3	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Facility	Renewal	\$609,505	\$179,275	\$0	\$0	\$788,780
General	Operations	\$45,984	\$22,992	\$0	\$22,992	\$91,968
Rolling Stock	Acquisition	\$200,000	\$0	\$0	\$0	\$200,000
	Maintenance	\$111,025	\$27,039	\$0	\$0	\$138,064
<b>Summary</b>		<b>\$966,514</b>	<b>\$229,306</b>	<b>\$0</b>	<b>\$22,992</b>	<b>\$1,218,812</b>

## H.25 DORADO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Jose P. Lopez	1	0	0%
Rolling Stock	Ford E350 SUPER DUTY	2	2	100%
	Ford Transit T-350	2	0	0%
	Freightliner Odyssey XL	3	3	100%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Facility	Renewal	\$6,531	\$0	\$0	\$0	\$6,531
General	Operations	\$124,944	\$0	\$0	\$0	\$124,944
Rolling Stock	Acquisition	\$381,150	\$69,982	\$0	\$0	\$451,132
	Maintenance	\$75,680	\$25,817	\$0	\$0	\$101,497
<b>Summary</b>		<b>\$588,305</b>	<b>\$95,799</b>	<b>\$0</b>	<b>\$0</b>	<b>\$684,104</b>

## H.26 FAJARDO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Transportación Pública de Fajardo	1	0	0%
Rolling Stock	Ford Aerotech 240-T-15025	1	0	0%
	Ford E-350	1	1	100%
	Freightliner M-Line Shuttlebus	2	2	100%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
General	Operations	\$529,120	\$268,536	\$0	\$0	\$797,656
Rolling Stock	Maintenance	\$64,496	\$26,186	\$0	\$0	\$90,682
<b>Summary</b>		<b>\$593,616</b>	<b>\$294,722</b>	<b>\$0</b>	<b>\$0</b>	<b>\$888,338</b>

## H.27 FLORIDA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Luis A. Ferre	1	1	100%
Rolling Stock	Ford Econoline Super Duty Van	1	0	0%
	Ford Transit T-350 HD	2	0	0%
	International 3000	1	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.28 GUÁNICA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Rolling Stock	Ford Econoline Aerotech	2	0	0%
	Ford Transit T-350 HD	3	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.29 GUAYAMA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Miguel Diaz Tirado	1	0	0%
Rolling Stock	Ford Aerotech	4	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.30 GUAYANILLA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Miguel A. Ortiz Public Transportation Terminal	1	-	-
Rolling Stock	Chevrolet Express GS3500 LS	5	0	0%
	Freightliner M-Line Shuttlebus	1	0	0%

\* Condition assessment was not performed on Miguel A. Ortiz Public Transportation Terminal due to the facility closure following the earthquake in Jan 2020

#### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*



## H.31 GUAYNABO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Albizu Campos	1	0	0%
Rolling Stock	Bluebird Transit Bus	5	0	0%
	Chevrolet Express	3	0	0%
	Ford Econoline Super Duty	2	0	0%
	Freightliner S2 Champion Defender	2	0	0%
	International Harvester	8	0	0%
	International Terrastar	3	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$221,000	\$0	\$0	\$0	\$221,000
Facility	Renewal	\$610,000	\$0	\$0	\$0	\$610,000
General	Operations	\$2,890,483	\$93,726	\$0	\$0	\$2,984,209
Rolling Stock	Maintenance	\$406,020	\$206,060	\$0	\$0	\$612,080
	Renewal	\$926,016	\$0	\$0	\$0	\$926,016
<b>Summary</b>		<b>\$5,053,519</b>	<b>\$299,786</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,353,305</b>

## H.32 GURABO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal de Carros Públicos Gurabo	1	0	0%
Rolling Stock	Ford Aerotech	1	0	0%
	Ford Transit 350	6	0	0%
	Freightliner M-Line Shuttlebus	2	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$30,000	\$0	\$0	\$0	\$30,000
Facility	Renewal	\$136,800	\$0	\$0	\$0	\$136,800
General	Maintenance	\$51,388	\$14,026	\$0	\$0	\$65,414
Rolling Stock	Acquisition	\$248,073	\$84,073	\$0	\$0	\$332,146
<b>Summary</b>		<b>\$466,261</b>	<b>\$98,099</b>	<b>\$0</b>	<b>\$0</b>	<b>\$564,360</b>

## H.33 HATILLO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Efrain Siverio	1	0	0%
	Terminal Satelite Campo Alegre	1	0	0%
Rolling Stock	Chevrolet Express	3	0	0%
	Chevrolet Express G3500	1	0	0%
	Ford Aerotech	2	0	0%
	Freightliner M-Line Shuttlebus	2	0	0%
	Thomas TK	1	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$90,000	\$0	\$0	\$0	\$90,000
Facility	Maintenance	\$55,000	\$0	\$0	\$0	\$55,000
General	Acquisition	\$234,000	\$0	\$0	\$0	\$234,000
	Operations	\$1,414,830	\$1,079,256	\$372,686	\$391,321	\$3,258,093
Rolling Stock	Acquisition	\$260,000	\$0	\$0	\$0	\$260,000
	Maintenance	\$114,759	\$32,851	\$0	\$0	\$147,610
<b>Summary</b>		<b>\$2,168,589</b>	<b>\$1,112,107</b>	<b>\$372,686</b>	<b>\$391,321</b>	<b>\$4,044,703</b>

## H.34 HORMIGUEROS

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal de Carros Públicos Hormigueros	1	0	0%
	Terminal de Trolley Hormigueros	1	0	0%
Rolling Stock	Ford E-350	2	0	0%
	Ford E-450	1	0	0%
	Ford E-550	1	0	0%
	Ford Transit 350 HD	1	0	0%
Equipment	Chevrolet Blazer	1	1	33%
	Ford E-450	3	0	0%
	Ford Transit 350	2	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$112,689	\$0	\$0	\$0	\$112,689
General	Operations	\$163,346	\$164,979	\$0	\$0	\$328,325
Rolling Stock	Maintenance	\$301,514	\$102,521	\$0	\$0	\$404,035
	Renewal	\$95,103	\$0	\$0	\$0	\$95,103
<b>Summary</b>		<b>\$672,652</b>	<b>\$267,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$940,152</b>

## H.35 HUMACAO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Norte Humacao	1	0	0%
	Terminal Sur Humacao	1	0	0%
Rolling Stock	Chevrolet Express	1	1	100%
	Chevrolet Express G3500	1	1	100%
	Dodge Sprinter 3500	1	1	100%
	Ford E-350 Super Duty	3	3	100%
	Ford E-450 Super Duty	1	0	0%
	Ford Explorer XLS	1	1	100%
	Ford Ford E-350	1	1	100%
	Ford Ford E-450	1	0	0%
	Ford Transit 350	2	0	0%
	International 3000	1	1	100%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$16,488	\$0	\$0	\$0	\$16,488
Facility	Maintenance	\$220,000	\$56,813	\$57,381	\$57,954	\$392,148
	Renewal	\$152,640	\$0	\$0	\$0	\$152,640
General	Operations	\$299,945	\$1,410	\$1,410	\$1,410	\$304,175
Rolling Stock	Acquisition	\$340,000	\$107,313	\$108,386	\$109,469	\$665,168

Asset Type	Work Type	2019	2020	2021	2022	Total
	Maintenance	\$135,439	\$70,836	\$71,545	\$72,260	\$350,080
<b>Summary</b>		<b>\$1,164,512</b>	<b>\$236,372</b>	<b>\$238,722</b>	<b>\$241,093</b>	<b>\$1,880,699</b>

## H.36 ISABELA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Rolling Stock	Ford Ford E-450	2	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.37 JAYUYA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	SITCOM	1	0	0%
Rolling Stock	Ford E-250	2	0	0%
	Ford E-450	4	0	0%
	Ford Transit TCN 350	3	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*



## H.38 JUANA DÍAZ

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Clotilde Colón	1	0	0%
Rolling Stock	Freightliner SHUTTLEBUS	2	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.39 JUNCOS

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Jose Cruz Fernandez	1	1	100%
Rolling Stock	Ford Aerotech	4	0	0%
	Ford EL DORADO	1	1	100%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$31,000	\$0	\$0	\$0	\$31,000
Facility	Renewal	\$400,500	\$362,500	\$0	\$0	\$763,000
General	Operations	\$499,932	\$0	\$0	\$0	\$499,932
Rolling Stock	Acquisition	\$567,009	\$83,712	\$0	\$0	\$650,721
	Maintenance	\$174,031	\$17,374	\$0	\$0	\$191,405
<b>Summary</b>		<b>\$1,672,472</b>	<b>\$463,586</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,136,058</b>

## H.40 LAJAS

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal de Carros Públicos Lajas	1	0	0%
Rolling Stock	Ford E-450	3	0	0%
	Ford Transit HR 350	4	0	0%
	Freightliner M-Line Shuttlebus	2	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.41 LARES

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Santiago Echevarria	1	1	100%
Rolling Stock	Chevrolet Express Cutaway G3500	1	0	0%
	Chevrolet Express Cutaway G4500	1	0	0%
	Ford EL DORADO	2	2	100%
	Freightliner Classic American	1	0	0%
	Freightliner Odyssey XLFM2	6	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Facility	Renewal	\$157,500	\$0	\$0	\$0	\$157,500
General	Operations	\$389,295	\$0	\$0	\$0	\$389,295
Rolling Stock	Renewal	\$179,436	\$89,718	\$0	\$0	\$269,154
<b>Summary</b>		<b>\$726,231</b>	<b>\$89,718</b>	<b>\$0</b>	<b>\$0</b>	<b>\$815,949</b>

## H.42 LAS MARIÁS

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal de Carros Públicos Las Marias	1	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
General	Maintenance	\$12,158	\$4,134	\$0	\$0	\$16,292
Rolling Stock	Acquisition	\$225,000	\$0	\$0	\$0	\$225,000
<b>Summary</b>		<b>\$237,158</b>	<b>\$4,134</b>	<b>\$0</b>	<b>\$0</b>	<b>\$241,292</b>

## H.43 LAS PIEDRAS

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Antonio "Toño" Rivera	1	0	0%
Rolling Stock	Ford E-350 Versashuttle	2	0	0%
	Ford Transit-350 HD Van 2017 - Paratransit	1	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Facility	Renewal	\$434,000	\$0	\$0	\$0	\$434,000
<b>Summary</b>		<b>\$434,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$434,000</b>

## H.44 LOÍZA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Loiza	1	0	0%
Rolling Stock	Ford	1	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.45 LUQUILLO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Rolling Stock	Ford E-350 Econoline	1	1	100%
	Ford Transit T-350 HD	3	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*



## H.46 MANATÍ

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Trolleys Angel Cintron	1	0	0%
	Terminal Valeriano Aulet Carrion	1	1	100%
Rolling Stock	Chevrolet Express	3	3	100%
	Ford E-350	1	1	100%
	Ford Econoline 450 Super	8	0	0%
	Ford Econoline Super Duty	2	0	0%
	International 3000 Series	2	2	100%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Facility	Maintenance	\$173,844	\$0	\$0	\$0	\$173,844
	Renewal	\$456,000	\$0	\$0	\$0	\$456,000
General	Operations	\$85,566	\$0	\$0	\$0	\$85,566
Rolling Stock	Acquisition	\$154,705	\$77,353	\$0	\$0	\$232,058
	Maintenance	\$83,515	\$41,758	\$0	\$0	\$125,273
<b>Summary</b>		<b>\$953,630</b>	<b>\$119,111</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,072,741</b>

## H.47 MAUNABO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Rolling Stock	Ford E450	2	0	0%
	Ford EL DORADO	1	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.48 MAYAGÜEZ

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Balboa	1	0	0%
	Terminal Barcelona	1	0	0%
Rolling Stock	Ford E-350 Super Duty	5	0	0%
	Ford E-450 AEROTECH	2	0	0%
	Freightliner M-Line Shuttle Bus (trolley body)	6	6	100%
	Turtle Top Terra	8	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$9,512	\$0	\$0	\$0	\$9,512
Facility	Renewal	\$3,953,083	\$3,125,000	\$3,125,000	\$0	\$10,203,083
General	Operations	\$1,485,212	\$0	\$1,500,064	\$0	\$2,985,276
Rolling Stock	Acquisition	\$338,390	\$0	\$0	\$0	\$338,390
	Maintenance	\$274,866	\$46,436	\$0	\$0	\$321,302
<b>Summary</b>		<b>\$6,061,063</b>	<b>\$3,171,436</b>	<b>\$4,625,064</b>	<b>\$0</b>	<b>\$13,857,563</b>

## H.49 MOCA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Moca	1	0	0%
Rolling Stock	Ford E350	1	0	0%
	Ford E450	2	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.50 MOROVIS

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Termianl Luis Anglero	1	1	100%
Rolling Stock	Ford minibus	2	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Facility	Renewal	\$813,120	\$0	\$0	\$0	\$813,120
<b>Summary</b>		<b>\$813,120</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$813,120</b>

## H.51 NAGUABO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Publico	1	1	100%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.52 NARANJITO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Juan Molina	1	1	100%
Rolling Stock	Ford E-350 Econoline Super Duty	1	1	100%
	Ford E-450 Econoline Super Duty	2	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Facility	Renewal	\$200,000	\$0	\$0	\$0	\$200,000
Rolling Stock	Acquisition	\$160,000	\$0	\$0	\$0	\$160,000
<b>Summary</b>		<b>\$360,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$360,000</b>

## H.53 OROCOVIS

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Rolling Stock	Ford E-450 Econoline Super Duty	1	0	0%
	Ford Transit T-350 HD	1	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*



## H.54 PATILLAS

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal de Carros Públicos Patillas	1	0	0%
Rolling Stock	Ford E450	1	0	0%
	Ford E450	5	0	0%
	Ford Transit 350	2	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.55 PEÑUELAS

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Rolling Stock	Ford Econoline Super Duty	3	0	0%
	Ford Transit T-350 HD	1	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.56 PONCE

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Carlos Garay	1	1	100%
	Terminal Dora Colon*	1	0	0%
Rolling Stock	Bluebird All American	3	0	100%
	Bluebird Transit Bus	6	6	0%
	Ford E-450	3	0	0%
	Ford E-450 Aerotech 240	5	0	0%
	Ford E-550 Aerotech 290	5	0	0%
	Ford EL DORADO	4	4	100%
	Ford Explorer XLT -FWD	1	1	100%
	Ford Transit	3	0	0%
	Freightliner M-Line	1	0	0%
Equipment	Ford F-350 SUPER DUTY	1	0	0%
	Ford Fiesta	2	0	0%
	Jeep Cherokee sport	1	0	0%

\* Terminal Dora Colon was assessed prior to the earthquake in January 2020.

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$388,403	\$0	\$0	\$0	\$388,403
Facility	Maintenance	\$40,000	\$0	\$0	\$0	\$40,000

Asset Type	Work Type	2019	2020	2021	2022	Total
	Renewal	\$3,291,506	\$386,053	\$0	\$0	\$3,677,559
General	Operations	\$4,187,895	\$7,500	\$2,000,000	\$0	\$6,195,395
	Maintenance	\$2,629,176	\$0	\$623,153	\$0	\$3,252,329
Rolling Stock	Acquisition	\$917,741	\$0	\$0	\$0	\$917,741
<b>Summary</b>		<b>\$11,454,721</b>	<b>\$393,553</b>	<b>\$2,623,153</b>	<b>\$0</b>	<b>\$14,471,427</b>

## H.57 QUEBRADILLAS

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Dionisio Ruiz Velez	1	1	100%
Rolling Stock	Ford E-450 Aerotech	1	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.58 RINCÓN

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal de Carros Públicos Rincon	1	0	0%
Rolling Stock	Ford Transit	1	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Facility	Renewal	\$40,000	\$0	\$0	\$0	\$40,000
Rolling Stock	Maintenance	\$39,001	\$13,261	\$0	\$0	\$52,262
<b>Summary</b>		<b>\$79,001</b>	<b>\$13,261</b>	<b>\$0</b>	<b>\$0</b>	<b>\$92,262</b>

## H.59 RÍO GRANDE

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal de Carros Públicos Rio Grande	1	0	0%
Rolling Stock	Ford Aerotech	3	0	0%
	Ford Transit	3	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.60 SABANA GRANDE

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Osvaldo Montaltvo	1	0	0%
Rolling Stock	Ford EL DORADO	1	1	100%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*



## H.61 SALINAS

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Salinas	1	0	0%
Rolling Stock	Ford E-450 SUPER DUTY VAN	2	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.62 SAN GERMÁN

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal de Carros Públicos San German	1	0	0%
	Terminal Fernando e Isabel	1	0	0%
Rolling Stock	Ford E-450 AEROTECH	2	0	0%
	Ford Transit	1	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.63 SAN JUAN

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Covadonga	1	0	0%
	Terminal del Sur Rio Piedras	1	0	0%
	Terminal Juan A. Palerm	1	1	100%
Rolling Stock	Chevrolet Express G4500	6	0	0%
	Ford E-450	13	0	0%
	Ford EL DORADO	7	7	100%
	Freightliner X-Line Shuttle Bus	10	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$40,000	\$0	\$0	\$0	\$40,000
Facility	Maintenance	\$1,450,438	\$732,471	\$739,796	\$747,194	\$3,669,899
	Renewal	\$4,020,651	\$0	\$0	\$0	\$4,020,651
General	Operations	\$1,437,056	\$0	\$0	\$0	\$1,437,056
Rolling Stock	Acquisition	\$1,450,000	\$0	\$0	\$0	\$1,450,000
<b>Summary</b>		<b>\$8,398,145</b>	<b>\$732,471</b>	<b>\$739,796</b>	<b>\$747,194</b>	<b>\$10,617,606</b>

## H.64 SAN LORENZO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Franciso "Pancho" Lozada	1	0	0%
Rolling Stock	Chevrolet C4500	2	2	100%
	Ford E-350	1	1	100%
	Ford E-350 ELDORADO	2	0	0%
	Freightliner S2 106 Bus Chassis	7	0	0%
	International 3000 Series	5	3	60%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$289,000	\$0	\$0	\$0	\$289,000
Facility	Renewal	\$682,836	\$0	\$0	\$0	\$682,836
General	Operations	\$288,256	\$0	\$0	\$0	\$288,256
Rolling Stock	Acquisition	\$271,338	\$91,964	\$0	\$0	\$363,302
<b>Summary</b>		<b>\$1,531,430</b>	<b>\$91,964</b>	<b>\$739,796</b>	<b>\$747,194</b>	<b>\$10,617,606</b>

## H.65 SAN SEBASTIÁN

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal San Sebastian	1	1	100%
Rolling Stock	Chevrolet Express G3500	1	1	100%
	Ford E-350 Super Duty	4	3	60%
	Ford E-450 Aerotech 240	1	0	0%
	Ford Transit T-350 HD	1	0	0%
	Freightliner M-Line Shuttle Bus	2	1	50%
	Toyota Yaris	2	2	100%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Facility	Renewal	\$1,239,500	\$0	\$0	\$0	\$1,239,500
General	Operations	\$551,497	\$50,480	\$50,480	\$50,480	\$702,937
Rolling Stock	Maintenance	\$34,468	\$11,720	\$0	\$0	\$46,188
<b>Summary</b>		<b>\$1,825,465</b>	<b>\$62,200</b>	<b>\$50,480</b>	<b>\$50,480</b>	<b>\$1,988,625</b>

## H.66 SANTA ISABEL

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Fidel Rivera Romero	1	1	0%
Rolling Stock	Chevrolet Express 3500	2	0	0%
	Ford E-350 Super Duty	1	0	0%
	Ford Transit 350	3	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.67 TOA ALTA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Rolling Stock	Ford EL DORADO	1	1	100%
	Ford Transit	1	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.69 TOA BAJA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Area de Transbordo	1	0	0%
Rolling Stock	Bluebird All American	2	2	100%
	Chevrolet Express	5	2	40%
	Ford E-450	2	0	0%
	Ford E-450 AEROTECH	4	0	0%
	Ford E-450 Versashuttle	1	1	100%
	Ford Transit	2	0	0%
	International Bus	2	2	100%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$36,200	\$0	\$0	\$0	\$0
Facility	Renewal	\$599,130	\$0	\$0	\$0	\$0
General	Operations	\$811,951	\$0	\$0	\$0	\$0
Rolling Stock	Acquisition	\$1,586,676	\$516,757	\$231,045	\$291,694	\$2,626,172
	Maintenance	\$597,709	\$125,727	\$0	\$0	\$723,436
<b>Summary</b>		<b>\$3,631,666</b>	<b>\$642,484</b>	<b>\$231,045</b>	<b>\$291,694</b>	<b>\$4,796,889</b>



## H.70 TRUJILLO ALTO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Trujillo Alto	1	1	100%
Rolling Stock	Ford Dorado	2	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Facility	Renewal	\$500,000	\$0	\$0	\$0	\$500,000
<b>Summary</b>		<b>\$500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$500,000</b>

## H.71 UTUADO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Carmello Martell	1	0	0%
Rolling Stock	Chevrolet G3500 LS	1	0	0%
	Chevrolet G4500	2	0	0%
	Ford E-450	1	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.72 VEGA ALTA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Antiguo Terminal de Carros Públicos	1	0	0%
Rolling Stock	Chevrolet Express G3500	1	0	0%
	Chevrolet Express G4500	3	0	0%
	Ford Econoline Super Duty	6	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
General	Operations	\$431,558	\$60,434	\$0	\$0	\$491,992
	Maintenance	\$132,538	\$67,264	\$0	\$0	\$199,802
<b>Summary</b>		<b>\$564,096</b>	<b>\$127,698</b>	<b>\$0</b>	<b>\$0</b>	<b>\$691,794</b>

## H.73 VEGA BAJA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Estación del Tren	1	0	0%
	Terminal de Carros Públicos Hector Sardín	1	0	0%
	Terminal Movilidad Ciudadana	1	0	0%
Rolling Stock	Ford E-350 Aerotech 220	2	2	100%
	Ford E-450 Aerotech 240	2	0	0%
	Ford Transit HR-350	2	0	0%
	Freightliner M-Line Shuttlebus	3	2	66.7%
	Freightliner X-Line Shuttlebus	1	1	100%
Equipment	Dodge Ram 2500	1	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$0	\$9,600	\$0	\$0	\$9,600
Facility	Renewal	\$981,760	\$35,340	\$0	\$0	\$1,017,100
General	Operations	\$1,067,529	\$189,250	\$199,250	\$209,750	\$1,665,779
Rolling Stock	Acquisition	\$350,000	\$0	\$0	\$0	\$350,000
	Maintenance	\$248,650	\$251,160	\$264,360	\$289,875	\$1,054,045
	Renewal	\$8,000	\$0	\$0	\$0	\$8,000
<b>Summary</b>		<b>\$2,655,939</b>	<b>\$485,350</b>	<b>\$463,610</b>	<b>\$499,625</b>	<b>\$4,104,524</b>

## H.74 VIEQUES

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Rolling Stock	Ford E-450 Econoline Super Duty	2	0	0%
	Ford Transit T-350 HD	1	0	0%

### Planned Investment

*No investments included in the STIP 2019-2022 for this municipality.*

## H.75 VILLALBA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal Ismael Zaragoza Melendez	1	1	100%
Rolling Stock	Chevrolet Express G3500	8	8	100%
	Ford Transit T-350 HD	2	0	0%
	Freightliner M-Line Shuttlebus	1	1	100%
Equipment	Jeep Gladiator Sport	1	0	0%
	Jeep Wrangler Unlimited	1	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$35,000	\$0	\$0	\$0	\$35,000.00
Facility	Maintenance	\$1,942,674	\$0	\$0	\$0	\$1,942,674.00
	Renewal	\$3,166,645	\$1,209,289	\$0	\$0	\$4,375,934.00
General	Operations	\$614,020	\$102,010	\$0	\$0	\$716,030.00
Rolling Stock	Acquisition	\$700,000	\$0	\$0	\$0	\$700,000.00
	Maintenance	\$636,321	\$173,091	\$0	\$0	\$809,412.00
<b>Summary</b>		<b>\$7,094,660</b>	<b>\$1,484,390</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,579,050</b>

## H.76 YABUCOA

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	Terminal de Carros Públicos Plaza de Mercado	1	1	100%
Rolling Stock	Chevrolet Express G3500	3	0	0%
	Ford E-350 Econoline Super Duty	4	4	100%
	Ford Transit	3	0	0%
	Freightliner M-Line Shuttlebus	1	0	0%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Facility	Renewal	\$700,000	\$0	\$2,000,000	\$0	\$2,700,000
General	Maintenance	\$0	\$10,000	\$10,000	\$10,000	\$30,000
<b>Summary</b>		<b>\$700,000</b>	<b>\$10,000</b>	<b>\$2,010,000</b>	<b>\$10,000</b>	<b>\$2,730,000</b>

## H.77 YAUCO

### Asset Inventory and Condition Assessment

Asset Type	Asset	Total Number of Assets	No. of Assets not in a State of Good Repair	% of Assets not in a State of Good Repair
Facility	STC Barinas	1	0	0%
	STC Pueblo	1	0	0%
	STC Rio Prieto	1	0	0%
Rolling Stock	Chevrolet Express G4500	2	0	0%
	Ford E-350	19	19	100%
	Ford E-450	5	1	20%
	Ford F-550	2	0	0%
	Freightliner FL70	4	0	0%
Equipment	Ford 2500	1	0	0%
	Jeep Grand Cherokee	1	0	0%
	Jeep Rubicon	1	1	5%

### Planned Investment

Asset Type	Work Type	2019	2020	2021	2022	Total
Equipment	Acquisition	\$263,000	\$40,000	\$0	\$0	\$303,000
Facility	Maintenance	\$61,100	\$0	\$0	\$0	\$61,100
	Renewal	\$1,486,560	\$0	\$0	\$0	\$1,486,560
General	Operations	\$1,612,326	\$710,734	\$0	\$0	\$2,323,060
	Maintenance	\$0	\$120,000	\$0	\$0	\$120,000
Rolling Stock	Acquisition	\$560,000	\$0	\$0	\$0	\$560,000



Asset Type	Work Type	2019	2020	2021	2022	Total
	Maintenance	\$140,700	\$71,408	\$0	\$0	\$212,108
<b>Summary</b>		<b>\$4,123,686</b>	<b>\$942,142</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,065,828</b>

# Appendix I KEY TERMS

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## **Accountable Executive**

Defined by 49 U.S.C. Chapter 53 as a “single, identifiable person who has ultimate responsibility for carrying out the safety management systems of a public transportation agency; responsibility for carrying out transit asset management practices; and control or direction over the human and capital resources needed to develop and maintain both the agency’s public transportation agency safety plan, in accordance with 49 U.S.C. 5329(d), and the agency’s transit asset management plan in accordance with 49 U.S.C. 5326.”

## **Asset**

A tangible entity, or system of entities, that are owned, leased or maintained by the transit provider.

## **Lifecycle**

The time elapsed between an acquisition and disposition of an asset. This can include the planning, design, procurement, construction, operations, maintenance, rehabilitation and disposal phases.

## **State of Good Repair (SGR)**

Defined by 49 U.S.C. Chapter 53 as the condition in which a capital asset is able to operate at a full level of performance. For rolling stock and non-revenue vehicles, assets in a SGR are those with an active life lower than their Useful Life Benchmark. For facilities, assets in a SGR are those scoring 3.0 or higher on the condition assessment rating score.

## **Statewide Transportation Improvement Plan (STIP)**

A multi-year, statewide intermodal program of transportation projects outlining all capital transportation projects in a 4-year period. The STIP is an FTA requirement under 49 U.S.C. 5304(g) and is developed in cooperation with the MPO.

## **TERM Scale**

A one to five rating scale used in FTA’s Transit Economic Requirements Model (TERM) to describe the condition of an asset, where a score of one indicates poor condition and a score of five indicates excellent condition.

## **Tier-I Operator**

An entity that receives federal financial assistance under 49 U.S.C. Chapter 53, either directly from FTA or as a subrecipient, that owns, operates, or manages either (1) one hundred and one (101) or more vehicles in revenue service during peak regular service across all fixed route modes or in any one non-fixed route mode, or (2) rail transit.

## **Tier-II Operator**

An entity that receives federal financial assistance under 49 U.S.C. Chapter 53, either directly from FTA or as a subrecipient that owns, operates, or manages (1) one hundred (100) or fewer vehicles in revenue service during peak regular service across all non-rail fixed route modes or in any one non-fixed route mode, (2) a subrecipient under the 5311 Rural Area Formula Program, (3) or any American Indian tribe.

### **Transit Asset Management (TAM)**

Defined by 49 U.S.C. Chapter 53 as “the strategic and systematic practice of procuring, operating, inspecting, maintaining, rehabilitating, and replacing transit capital assets to manage their performance, risks, and costs over their lifecycles, for the purpose of providing safe, cost-effective, and reliable public transportation.”

### **Useful Life**

Defined by 49 U.S.C. Chapter 53 as “either the expected lifecycle of a capital asset or the acceptable period of use in service determined by FTA.” Useful life is essentially the number of years an asset is expected to remain in service before being eligible for replacement, retirement or disposal.

### **Unified Planning Work Program (UPWP)**

Defined by 23 CFR 450.308(b) as an annual or biennial statement of work identifying the planning priorities and activities to be carried out within a metropolitan planning area. Metropolitan planning organizations are required to develop UPWPs to govern work programs for the expenditure of FHWA and FTA planning funds.

### **Useful Life Benchmark (ULB)**

Defined by 49 U.S.C. Chapter 53 as “the expected lifecycle or the acceptable period of use in service for a capital asset, as determined by a transit provider, or the default benchmark provided by FTA.” The ULB essentially denotes the expectation of an asset’s life (in years) based upon its operating environment, and usually pertains to rolling stock or non-revenue vehicles only.



