



RHODE ISLAND PUBLIC TRANSIT AUTHORITY



CAPITAL BUDGET

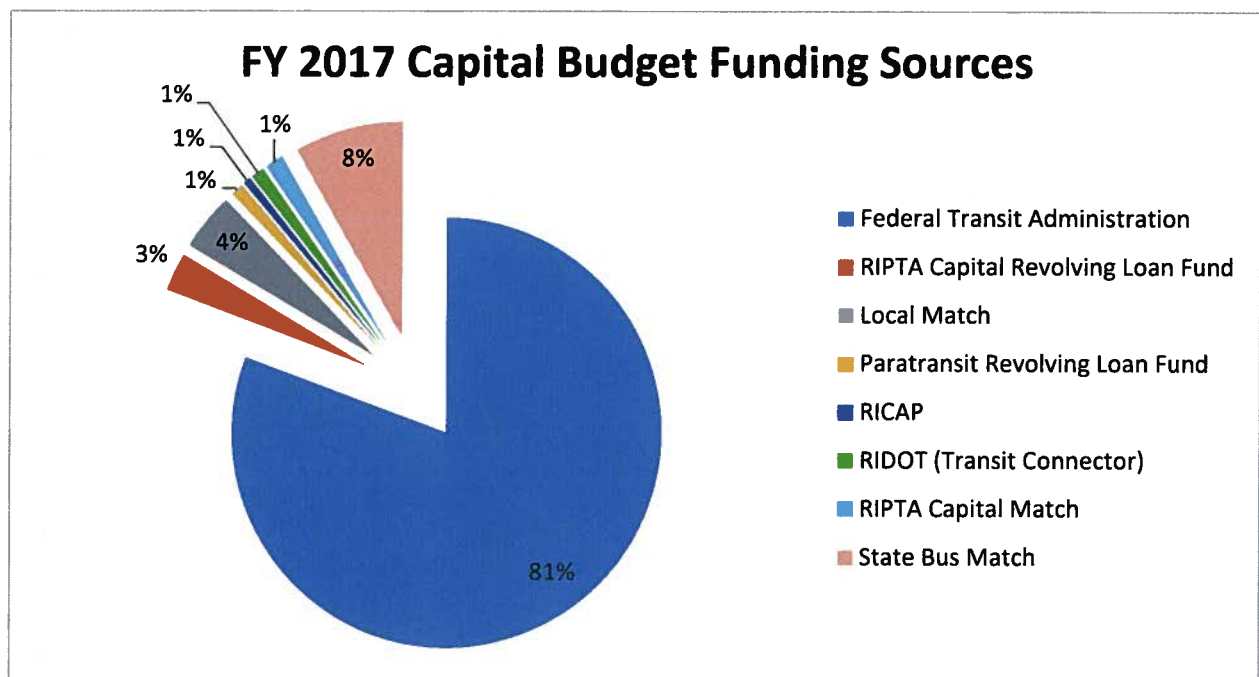
CAPITAL IMPROVEMENT PLAN



Presented is the FY 2017 Capital Budget and FY 2018 – FY 2022 Capital Plan. Each year RIPTA prepares an updated capital budget and an updated projection of anticipated capital spending for the ensuing five fiscal years. Following approval by the Board of Directors, the capital budget is submitted to the State Budget Office for inclusion in the overall state budget and for General Assembly approval of any requested state appropriations.

If the General Assembly votes to appropriate funds on a level that differs from what was requested by RIPTA, the Finance Department modifies each project accordingly in the next year’s submission.

\$28.6 million in capital expenditures are planned for FY 2017. Federal funds make up 81% of this total or about \$23 million. Federal Transit Administration (FTA) grants typically cover 80% of a project cost and require a 20% match. \$5.5 million in match is required to leverage these federal funds, and comes from various sources. When looking at the total budget, the federal portion can differ slightly due to several projects that have a different federal/match split (such as Hurricane Sandy funds for the Newport Gateway project which cover 90% of the project cost). The chart below depicts the various funding sources.



All projects listed in the capital plan are contingent upon the availability of both match and federal funds. Approval of the capital budget does not signify approval for project commencement. Given the Authority's limited financial resources some projects may have to be delayed or canceled. As a result, all projects included in this plan will follow RIPTA's procurement policy which sets thresholds for when CEO approval is required and when Board approval is required. This process ensures that proper funding is in place before a project commences and takes into consideration any changes in funding including any change in General Assembly appropriations.

The presented revised capital plan contains projects that are capital in nature. The initial FY 2017 – 2022 capital plan included projects that were grant funded but not capital and have been removed from this presentation. Information on these projects will be presented in the Operating Budget Impact Statements.

The Authority receives federal funds that it manages and passes on to local communities. These projects are grouped under the heading of "Federal Fund Pass Through Projects". The Authority may provide management and oversight on these projects, but no RIPTA funds are contributed. RIPTA's current policy is to follow the procurement policy for all projects regardless if RIPTA funds are involved. This is why projects such as the Newport Gateway are brought before the board for approval.

Vehicle Replacement

Sum of Requested Budget	2017	2018	2019	2020	2021	2022
Fixed Route	\$11,780,760	\$19,158,594				\$15,751,546
Flex Vehicles		\$275,625	\$868,219			\$1,842,632
Non-Revenue Vehicle	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000
Paratransit Vehicle	\$1,402,625	\$1,402,625	\$1,402,625	\$1,402,625	\$1,402,625	\$1,402,625
Grand Total	\$13,403,385	\$21,056,844	\$2,490,844	\$1,622,625	\$1,622,625	\$19,216,803

Fixed-Route Vehicle Purchases

The Authority's Fixed-route fleet plan is designed to replace 40' vehicles once they come to the end of their 12 year or 500,000 mile useful life. The submitted plan is for 24 vehicles to be delivered in FY 2017 at a price of \$490,865 each. In FY 2018 29 buses will be delivered, 14 of which will be hybrid-electric buses depending on the outcome of a recently submitted Low/No Emission competitive grant. The expected price in 2018 is \$539,952 for a diesel bus and \$789,952 for a hybrid bus (a \$250,000 premium). In FY 2022 there will be a purchase of 24 diesel buses at an estimated price of \$656,314 each.

RIPTA has applied for \$2.9 million in Low/No Emissions grant program competitive funds to fund the upgrade of 14 new diesel buses to state-of-the-art hybrid-electric buses. If awarded, the Authority will have to provide an additional \$700,000 in match, but will be able to improve fuel economy by over 35% and reduce green house gas emissions by over 2,500 tons. If the Authority is not awarded the competitive funds, then all 29 buses being ordered will be diesel powered.

In addition to covering 80% of the incremental cost of upgrading to hybrid vehicles, the competitive grant includes \$104,000 in federal funds to work with CALSTART, a green technology membership group, to provide technical assistance. The Authority will provide \$26,000 in Operating Funds to leverage these federal funds.

Portions of 5307 and 5339 federal funds are set aside each year in the transit portion of the Transportation Improvement Plan (TIP) to fund the replacement of buses. In FY 2017 the State Fleet Revolving Loan Fund (SFRLF) will be used as match for the order. It is important to note that this will be the last year the SFRLF will be used as it sunsets at the end of FY 2017.

The State has traditionally provided match for RIPTA's vehicles. Prior to the State Fleet Revolving Loan fund, 20 year GO bonds were issued to finance the match on 12 year vehicles. The SFRLF was created to end the unsustainable bonding, but sunsets in FY 2017.

There is currently no source of match for RIPTA's vehicles in the State Budget beyond FY 2017. RICAP was recommended in the Governor's budget, but was removed in the House budget version. RICAP is not a dedicated source of match for vehicles and the appropriation process for RICAP can cause uncertainty during the planning phase of vehicle replacement. A funding commitment is required at the beginning of the 18-24 month lead time and RICAP appropriations are not known until the beginning of a fiscal year causing a mismatch in timelines.

Flex Vehicle Purchases

Flex is a fixed route service that is operated using vehicles similar to our Paratransit vehicle. The current vehicle and engine configuration is being discontinued and the Authority is reviewing new vehicle options. The leading option for flex is a larger vehicle with a ten year service life as opposed to the current vehicle's five year service life. The current price estimate is \$125,000, but the earliest a vehicle would be purchased would be FY 2018. The current plan is to purchase 2 vehicles in FY 2018, 6 in FY 2019, and 11 in FY 2022. This plan will be revised as final specifications are developed.

Federal funds are available for Flex vehicle purchases and are matched using the same mechanism as fixed route buses (SFRLF and RICAP).

Non-Revenue Vehicle Replacement

This is a line item used to replace the Authority's non-revenue vehicles which include street supervisor vehicles, pick-up trucks for maintenance, and hybrid vehicles for staff to conduct business. Many of the Authority's non-revenue vehicles have far surpassed their useful life requiring costly repairs by our own maintenance department. Due to funding constraints the Authority has only been able to replace 4 vehicles per year, but due to additional federal funds provided by the FAST act and the critical condition of many of the vehicles, the budget has been increased to \$220,000 from \$150,000. Federal funding will cover 80% of the vehicles cost and the remaining 20% will be funded via RIPTA's Capital Revolving Loan Fund.

Paratransit Vehicle Purchases

The current engine in the Authority's Paratransit vehicle is being discontinued due to EPA restrictions. The Authority is looking at a similar vehicle, but one with a gasoline engine as its replacement. There will have to be some upgrades to the Paratransit garage and vehicle storage facility, but these are updates that have been determined to be necessary.

Paratransit vehicles are financed using 80% federal funds. The remaining 20% match comes from the Paratransit Revolving Loan Fund which is funded via Ride carrier operations.

Trolley Purchases

Our current trolley fleet will reach the end of their useful life in FY 2023. As the fleet nears the end of its useful life the Authority will decide if it will replace them with additional trolleys or regular buses. Trolley vehicles are purchased in the same manner as our fixed route vehicles with 80% federal funds and 20% provided by the State.

Previously it was thought that the useful life of a trolley was only ten years as opposed to the typical twelve years that our regular buses have. This was true for older trolley models, but is not true for the current trolley fleet. The capital plan has been adjusted accordingly with the expense moving from FY 2021 to FY 2023.

Capital Improvements to Land and Buildings

Sum of Requested Budget	2017	2018	2019	2020	2021	2022
2-Diesel Pumps	\$12,000					
6 Rolling Platforms (hybrid bus repair)	\$40,000					
Additional Generator 705 Elmwood		\$300,000				
Back-up Generator 269 Melrose	\$180,000					
Chafee Lift Replacement			\$250,000	\$250,000	\$250,000	
Chafee Roof & HVAC Units			\$475,000	\$475,000	\$475,000	\$650,000
College Hill Bus Tunnel	\$943,705	\$4,160,000	\$4,160,000			
Future Facilities Maintenance	\$100,000	\$150,000	\$25,000	\$25,000	\$25,000	\$100,000
Kennedy Plaza HVAC		\$246,097				
Newport Lift Rebuilds	\$268,924					
Newport Pit Conversion		\$300,000				
Overhead Garage Door Replacement	\$176,419	\$144,000				
Portable Air Compressors	\$25,000					
Grand Total	\$1,746,048	\$5,300,097	\$4,910,000	\$750,000	\$750,000	\$750,000

2 Diesel Pumps

Additional pumps are required by the Maintenance department. The estimated cost per unit is \$6,000. Federal funds are available for this purchase with the balance coming from RIPTA capital match.

6 Rolling Platforms

These rolling platforms are to assist mechanics with hybrid bus repairs. The hybrid buses have battery packs on the top of them and in order for mechanics to safely work on them, they must attach onto overhead safety harnesses which will be reached by these platforms. Federal funds are available to purchase these platforms.

Additional Generator 705 Elmwood

The Maintenance department is currently reviewing the capabilities of the generator at the 705 Elmwood building. During power outages there are numerous functions that are not tied into the existing generator including administrative offices. This not only leads to a costly decrease in productivity, but reduces the Authority's ability to provide the best possible service. Tests will be performed on the current generator to test its load capacity and depending on the outcome an additional generator may be required.

The current cost estimate for this project is \$300,000. Federal funds are available for 80% of this project's cost with RIPTA capital match providing the 20% match.

Back-up Generator 269 Melrose

As part of the Authority's IT redundancy efforts an additional generator is required at 269 Melrose that will solely be used to support IT and dispatch functions. This generator will be powered by natural gas as opposed to diesel which eliminates the need to monitor fuel levels and is less expensive to maintain.

The generator is expected to cost \$180,000. Federal funds can be used to cover 80% of the generator cost and the remaining 20% match will be made up of RIPTA capital match. This project has commenced and will be completed in early FY 2017.

Chafee Lift Replacement

The Authority is planning to begin replacing lifts at the Chafee maintenance facility. The lifts are aging and require frequent repairs. The lifts will be expensive to replace so the replacement plan is being developed and is planned to take several years to complete. The Authority will use federal funds to cover 80% of the replacement cost. RICAP is being requested for the remaining 20%.

Chafee Roof and Rooftop Units

The roof at the Chafee maintenance facility is in need of painting, re-flashing, and in certain areas, replacement. In conjunction with the roof repairs, new make-up air units are required at this facility, similar to the ones installed at 269 Melrose transportation building and at the Newport facility. Federal funds will be used for 80% of the project cost. RICAP is being requested for the remaining 20%.

College Hill Bus Tunnel

The East Side/College Hill Bus tunnel is in need of passenger amenity improvements, structural repairs, drainage repairs, and safety improvements. A preliminary needs analysis has been completed, and an Engineering firm is being contracted with to perform the Architectural and Engineering work. The engineer is well experienced with tunnels and will be able to help the Authority develop design drawings and specifications for a construction procurement and bid.

Pending project approval, the A&E work is expected to commence in FY 2017 and be completed in FY 2018. Depending on the outcome of the engineering work, construction will follow at the end of FY 2018 completing in FY 2019.

The Authority is currently seeking out FTA State of Good Repair (SOGR) grants to cover 80% of the project cost and is also seeking out sources of match including RICAP.

A price proposal of \$943,705 has been provided for architecture and engineering work, and \$320,000 for construction oversight. The current capital cost estimate for the tunnel is \$8 million for a total project cost of \$9,263,705.

Future Facilities Maintenance

This is a reserve line of \$100,000 that is used to encompass many of the smaller projects that arise each year in Maintenance. This line is 80% grant funded and the match is paid using RICAP.

Kennedy Plaza HVAC Replacement/Upgrade

The HVAC system servicing the offices and restrooms in Kennedy Plaza is in need of replacement. The total project cost is \$276,097 and is expected to be completing in FY 2018. \$30,000 of the total will be spent in FY 2016 to replace the AC system that cools the server room, and the remainder will be spent in FY 2018. While the bulk of the project could wait until FY 2018 for completion, the server room could not. The server room regularly reaches temperatures which could put the IT equipment at risk of failure. This project was initially budgeted for completion in FY 2016, but was delayed due to a decrease in RICAP funding.

Federal funds will cover 80% of the project cost, and RIPTA capital match funds will be used as match.

Newport Lift Rebuilds

RIPTA's Newport maintenance facility currently contains two lifts, one open bay, and one pit for vehicle repairs. Recently one of the lifts has become inoperable leaving the maintenance department short a bay at the Newport facility. The lift can be re-outfitted for \$135,000 and will extend the life of the lift by 20 years. Both lifts were installed at the same time so the Maintenance department recommends rebuilding both lifts in 2017. This will delay the pit conversion, but will ensure that there are two bays available to maintenance at all times during the rebuilds and conversion.

Federal funds will cover 80% of the project. RICAP and RIPTA capital match will cover the remaining 20% project cost.

Newport Pit Conversion & Bus Exhaust System

Currently at the Newport maintenance facility there is an open pit that is used to work on buses. The open pit has been identified by the Maintenance department as a hazard to employees and it is recommended that it should be filled in. The total cost of the project is \$275,000. Included in this cost is a vehicle tailpipe exhaust system for each of the four work stations which will provide hookups to properly vent the exhaust fumes. This will allow mechanics to safely perform repairs that require the vehicle to be running such as recharging the air conditioning system on a bus.

Federal funds are available to cover 80% of the project, and RICAP funds will be used to fund the required 20% match. This project has been delayed due to issues with the current lifts and is now expected to commence and be completed in FY 2018.

Replacement of Overhead Garage Doors

Repairs to overhead garage doors are a costly expense to the Authority. The doors experience heavy usage and occasionally get hit by vehicles. The Maintenance department has decided to replace the current metal doors with heavy duty rubber doors which simply pop back into the tracks when they are hit. Other transit agencies have installed similar doors and have found the doors both very practical and durable.

The Authority will replace 8 doors in FY 2017 and then an additional 6 doors in FY 2018. Federal funds are available for 80% of the purchase cost with State RICAP and RIPTA capital match funds providing the required match.

Portable Air Compressors

Portable fuel powered air compressors are required by the Maintenance department in case of a failure in the built-in air compressor system. If the air system were to break down, these portable units would ensure that maintenance operations will continue. In addition to providing redundancy to the Vehicle Maintenance department these compressors can also be used to make repairs at Kennedy Plaza or any other RIPTA property, where the use of air powered tools and equipment are necessary.

Federal funds are available to cover 80% of the equipment's cost with RIPTA capital match covering the remaining 20%

Transit Enhancements

Sum of Requested Budget	2018	2019	2020
Farebox Upgrade	\$2,500,000	\$2,500,000	\$500,000
Signal Prioritization Expansion - Implementation	\$1,149,810		
Grand Total	\$3,649,810	\$2,500,000	\$500,000

Farebox Upgrade

The purpose of the Authority's recent fare study was to review the current fare structure and fare collection system. The Authority's current fare collection system is not capable of securely expanding into smart cards or mobile payments and is in need of upgrades and/or replacement. The new technology options are to replace the current fareboxes, upgrade the current fareboxes, or install on-board readers which will contain the components necessary to support smart cards and mobile payments.

The Authority is currently reviewing the different options and finalizing the path forward. Procurement is expected to begin in FY 2017 with purchase and installation beginning in FY 2018. The total project cost is estimated to be \$5.5 million. Federal funds are available for the upgrades covering 80% of the project cost. RIPTA capital match will be used to finance the remaining 20%.

Signal Prioritization Expansion – Implementation

Currently underway is a signal prioritization expansion study which will identify traffic signals across the state that can be targeted for prioritization equipment. Once these locations have been identified work will begin on implementation. Signal prioritization creates efficiencies in service and makes transit more appealing to commuters. Federal funds are available to cover 80% of the project total with RIPTA capital providing the 20% match.

Information Technology

Sum of Requested Budget	2017	2018	2019	2020	2021	2022
ATMS	\$217,691					
ATMS Radio Replacement					\$800,000	
Compliance Software	\$40,000					
Electronic Defect Card		\$60,000				
Fuel & Fluid Management System	\$840,000					
Hastus Upgrade & Expansion	\$742,500	\$297,000				
Incident/Accident Management Software	\$75,000					
IVR Upgrade			\$50,000			\$50,000
One Solution	\$825,000					
Phone System	\$200,000					
Redundancy / Disaster Recovery	\$1,000,000	\$860,000				
Replacement IT Equipment	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
Replacement of 5 Security DVR's	\$175,000					
Ride Tablets	\$78,000		\$36,000	\$54,000		\$36,000
Ruggedized Laptops		\$62,500		\$62,500		
Server Software		\$40,000				
Server/SAN Replacement		\$50,000				\$50,000
Upgrade Network		\$150,000			\$50,000	
VMWare		\$40,000				
Grand Total	\$4,493,191	\$1,859,500	\$386,000	\$416,500	\$1,150,000	\$436,000

ATMS

The ATMS project has been completed and the final post-warranty payment will be made in FY 2017 of \$217,691. Federal funds will be available for 80% of the project cost and the remaining 20% will be funded by the Capital Revolving Loan Fund.

ATMS Radio Replacement

The radios for fixed route buses enable the ATMS data communication as well as voice communications. The current radios will no longer be supported as of December 31, 2019, so parts will not be available. As a result the entire fleet will need new radios at that time. Federal funds will be available for 80% of the project cost with the remaining 20% coming from RIPTA capital match. It is currently estimated that the radio replacement will cost \$800,000 in FY 2021.

Compliance Software

The Authority is seeking out a software solution to assist with compliance issues. The software will track due dates, send out reminders, and provide reports to ensure that RIPTA is in compliance at all times with its numerous requirements. Recently, the Authority began using a software as part of the Preventative Maintenance Committee to ensure preventative maintenance tasks were performed and tracked so that in the case of an audit or inspection there would be records supporting the completed task.

While the current software is helpful, it is only a temporary solution that is not suitable for organization-wide deployment. In FY 2017 the IT department and Safety department will seek out a vendor who can provide a software solution to assist with compliance across all of the Authority's local, state, and federal requirements.

It is currently estimated that the software will cost \$40,000. Federal funds are available for 80% of the project cost with RIPTA capital match providing the remaining 20%.

Electronic Defect Card

Currently, both Ride and Fixed Route operators are given paper forms daily to note any vehicle issues. These forms are then given to Maintenance, who manually enters them into an Excel spreadsheet for review. If an issue is found to require a work order, it is then entered into the work order system. This project will provide operators with electronic defect cards that will be integrated with the work order system. This will improve notification time to Maintenance, since the data will appear as soon as the operators enter it, and eliminate the manual data entry.

Federal funds will be available for 80% of the project cost with the remaining 20% coming from RIPTA capital match.

Fuel & Fluid Management System

The fuel and fluid management system will improve the operation of our fuel and fluid management. Some of the paybacks include minimizing the consumption of costly petroleum based fuels and other fluids; assure fuel and fluid security and accountability; minimize the cost of fuel used by the fleet; provide safe, convenient fueling access for the fleet, and provide reliable and accurate fleet data information. This system will also provide vehicle health monitoring alerts to Maintenance. This project will be 80% federally funded and matched using the Capital Revolving Loan fund. This project is expected to commence and be completed in FY 2017.

Hastus Upgrade & Expansion

Our current Hastus version dates back to 2011. Giro (the maker of the software) recommends upgrading at least every 5 years. The efficiency the software creates in our scheduling process is expected to pay for itself. In addition to the Hastus upgrade the Authority is also looking to add additional modules. These new modules would offer increased driver management tools integrated with the scheduling software, including enabling drivers to go through the choose-up options at a computer kiosk instead of the current method of pen and paper. This project is expected to cost \$1.5 million with 80% of the financing coming from federal funds. The remaining 20% will be funded using the Capital Revolving Loan fund. This project has commenced in FY 2016 and is expected to be completed in FY 2018.

Incident/Accident Management Software

RIPTA is in need of an accident and incident management system to report, track, and manage incidents from initial notification, response, and investigation, through claims and corrective actions. Some of this is currently done in the AS/400 system with non-integrated custom programs that do not allow for easy reporting or trend analysis. The estimated cost for this project is \$75,000. Federal funds are available to cover 80% of the project cost with the remaining coming from RIPTA capital match.

IVR Upgrade

The board has approved a change order to the Reveal Management Software contract which will allow Reveal to implement an IVR system in Ride. Installation will be completed in FY 2016 with final acceptance in August of FY 2017. However, given the relatively short useful-life of technology the system will have to be replaced in FY 2019 and then again in FY 2022.

IVR systems give Ride customers the ability to call in 24/7 to check on trip times or to cancel trips. This technology reduces wait times for customers who need to speak with a customer service representative, and ultimately gives the customers more access to the trip information they need.

The upgrade is estimated to cost \$50,000 in FY 2019 and \$50,000 in FY 2022. Federal funds will be used for 80% of the upgrade cost with the match coming from the Capital Revolving Loan fund for the remaining 20%.

ONESolution

Progress on the OneSolution Enterprise System continues with finance, procurement, payroll, and human resources going live in FY 2017. The remaining portions of the system are still being developed with an estimated completion date of FY 2017. The Authority is using a SOGR grant

to upgrade the asset management system to cover 80% of the project cost with the Capital Revolving Loan fund covering the remaining 20%.

Phone System

Support for the current telephone system has been discontinued. Parts for our current system are hard to find and those that are available are expensive. Replacing the system with a Voice-Over Internet Protocol (VoIP) System will lead to a more reliable and cost efficient system. The new phone system will cost \$200,000. Federal funds are available for the project to cover 80% of the costs, and the remaining 20% cost will be funded using the Capital Revolving Loan fund. This project is expected to commence and be completed in FY 2017.

Redundancy / Disaster Recovery

A review of the current systems and infrastructure has begun and will include recommendations with cost/benefit analysis for improving our continuity and recovery of IT systems. IT outages can occur for two reasons, planned maintenance or disaster. During planned maintenance, redundancy or replication of databases can ensure access throughout the process. In case of a major incident, replication can minimize downtime of the IT systems. The Authority needs to improve its disaster recovery and business continuity processes and procedures as well as its infrastructure and systems. This project is expected to cost \$1.86 million. This project is 80% federally funded using several grants and the remaining 20% will be matched using the Capital Revolving Loan fund. The review is nearing completion so implementation work should commence in FY 2017 and be completed in FY 2018.

Replacement of Information Technology Equipment

This is an annual line item of \$300,000 that is used to replace various pieces of computer equipment. Any major replacements such as replacing the servers will be broken out as its own project in the future. This line item is 80% grant funded and is matched using RIPTA capital match for the remaining 20%.

Replacement of 5 Security DVR's

There are currently 5 DVR's that need replacement. The estimate is that these DVR's will cost \$29,000 each bringing the total project cost to \$145,000. This project will ensure that all of the DVR's will be on the same system. The Authority is researching an upgrade as opposed to replacement of the DVR's in an attempt to bring the cost of this project down. Federal funds will be available for 80% of the project cost and the remainder will be funded by RIPTA capital match. This project is expected to be completed in FY 2017

Ride Tablets

The Ride department has difficulty with the tablets in use by the drivers due to the need to repeatedly remove the tablets from the mount to get a passenger signature. The constant plugging and unplugging of the charger has damaged the chargers, resulting in almost all chargers having been replaced or repaired. This project will add signature pads such as those used by FedEx to make signature collection easier on the drivers and equipment.

In addition to adding signature pads the IT department recommends replacing the tablets every 18 months. However, with the addition of signature pads it may be possible to get more life out of the tablets.

The total cost of the project over the span of the capital plan is \$204,000 and includes the replacement of tablets, and adding signature pads. Federal funds are available to cover 80% of the project cost with RIPTA capital match providing the remaining 20%.

Ruggedized Laptops

Rugged laptops are used by the Maintenance department and Street Supervision. These laptops are reaching the end of their useful life and are in need of replacement. Over the span of the capital plan \$125,000 will be spent on replacement. Federal funds are available for 80% of the replacement cost with RIPTA capital match providing the remaining 20%.

Server Software

In FY 2018 the Authority's server software will need upgrading/replacement. The current cost estimate is \$40,000. Federal funds are available for 80% of the upgrade cost with RIPTA capital match providing the remaining 20% match.

Server/SAN Replacement

In order to keep the Authority's IT systems up to date and operational, regular upgrades and replacements need to be scheduled. The IT department recommends replacing the servers in FY 2018 and then again in FY 2022 when the equipment reaches the end of its useful life. The total cost is estimated to be \$100,000 for both years combined. Federal funds are available for 80% of the replacement cost with RIPTA capital match providing the remaining 20%.

Upgrade Network

In order to keep the Authority's IT systems up to date and operational, regular upgrades and replacements need to be scheduled. The IT department recommends upgrading the network. The total cost over the span of the capital budget is estimated to be \$200,000. Federal funds

are available for 80% of the replacement cost with RIPTA capital match providing the remaining 20%.

VMware

In order to keep the Authority's IT systems up to date and operational, regular upgrades and replacements need to be scheduled. The IT department recommends upgrading the VMware. The total cost of the upgrade is estimated to be \$40,000 in FY 2018. Federal funds are available for 80% of the replacement cost with RIPTA capital match providing the remaining 20%.

Security Enhancements

Sum of Requested Budget	2017	2018	2019	2020	2021	2022
1% Security Plan	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000
Grand Total	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000

Security Enhancements/Plan

The Authority is required to spend 1% of its 5307 funds each year on Security Enhancements. This amounts to \$350,000 per year or about \$280,000 per year in federal funds with the remaining \$70,000 in match coming from State RICAP. Recent Initiatives have included installing cameras, gates, and card readers at RIPTA's Elmwood facilities.

Beginning in FY 2017 the Authority will begin securing the Newport facilities with digital security cameras, access control points, and the installation of a gate operator. In FY 2016 the Board approved the Newport security project to the amount of \$169,034.

In addition to the Newport security project funds will be expended to repair or replace the gates at the Elmwood facilities and to add signage and safety marking in and around Kennedy Plaza.

Federal Fund Pass through Projects

RIPTA receives federal funds for various transit enhancement projects and pass them through to local municipalities. Local municipalities provide the required match. These projects will not be capitalized on the Authority's balance sheet. Since RIPTA is responsible for the management of these federal funds, RIPTA procurement policies are applied.

Sum of Requested Budget	Column Labels			
Row Labels	2017	2018	2019	Grand Total
Downtown Transit Connector	\$1,200,000	\$15,800,000		\$17,000,000
PEEP Commerce RI Improvements	\$494,000			\$494,000
PEEP TransArt: Peacedale & East Providence	\$25,000	\$50,000	\$25,000	\$100,000
Transit Hub Newport	\$6,440,000			\$6,440,000
Transit Hub Pawtucket	\$400,000	\$100,000		\$500,000
Transit Hub Warwick	\$20,000	\$130,000		\$150,000
Grand Total	\$8,579,000	\$16,080,000	\$25,000	\$24,684,000

Downtown Transit Connector

The City of Providence has been awarded \$13,000,000 in Tiger VI funding for the Downtown Transit Connector (DTC), an enhanced transit corridor that will provide fast, frequent connections through downtown Providence, between Providence Station and Rhode Island Hospital. Comprised of 6 stops in each direction, the DTC will be anchored by the Providence Station Hub in the north and the Rhode Island Hospital Hub in the south.

Investment included as part of the DTC includes additional hybrid electric vehicles, custom designed shelters, signage, real-time information, off-vehicle fare payment, bike infrastructure, roadway improvements and transit signal priority. In addition, this project will also create a new southern operational hub for RIPTA in front of Rhode Island Hospital. This hub will create a centralized place for transfer activity, bus layovers, and improved passenger access.

The project will begin in FY 2017 and new service along the corridor will commence in January 2019. The total project cost is \$17 million. Funding is being provided by a combination of TIGER grant and State funds.

PEEP Commerce RI Improvements

RIPTA is providing local match to two projects awarded through the Main Street Rhode Island Streetscape Improvement Fund. This program awards funds that support improvements to the State's commercial districts – transit is a key component of both awarded projects. RIPTA will be providing \$30,000 to support a Dexter St. project in Central Falls and \$84,000 to support an

Olneyville Square project in Providence. RIPTA's federal funds are contributing 30% of the total project costs.

PEEP TransArt: Peacedale & City of Providence

The goal of RIPTA's TransART program, launched in 2007, is to enhance the experience of those using RIPTA service by providing seating and shelter from the weather while introducing interesting and unique bus shelters to the streetscape environmental. RIPTA is currently partnering with the communities of South Kingstown and East Providence to design and install bus shelters in Riverside and Peacedale. RIPTA is providing federal funds towards these projects with the local communities providing the required match.

Transit Hub Newport

During Hurricane Sandy much of the Newport Gateway was extensively damaged. The Authority has been awarded \$6.6 million in Hurricane Sandy resiliency funds by the FTA that will pay for 90% of the cost of the project with the city of Newport paying the remaining 10%.

This project has commenced in FY 2015 and includes overhead protection, drainage improvements, adding rain gardens and improved ADA compliance. It is estimated that the project will be completed in FY 2017.

Transit Hub Pawtucket

The Pawtucket Transit Center has recently been sold to a private company and will close. The city of Pawtucket is dedicated to finding a new home for RIPTA's service and is currently completing the planning portion of a new Pawtucket hub. Design of the hub commenced in FY 2016. Construction will begin in FY 2017 and continue through FY 2018. The total project cost is \$500,000. The Authority will contribute federal funds towards 50% of the project and the city of Pawtucket will contribute an equal match. RIPTA recently submitted a FTA discretionary grant to expand this project.

Transit Hub Warwick

Development of the Warwick transit hub was identified as a key component of the service changes introduced by the latest Comprehensive Operational Analysis (COA). The COA realignment has made Warwick a new transit hub focused on routes serving CCRI's Knight Campus and routes south. RIPTA is currently pursuing plans with CCRI to relocate the hub to a location on their property. RIPTA anticipates an initiation of design phase in FY 2017 that is anticipated to take a year with construction following. The requested budget is \$150,000. Federal funds are available for 80% of this project and the remaining 20% will be matched with a local partner.

Funding Terminology

Capital Revolving Loan Fund (CRLF) - In 1997 RIPTA placed \$2.5 million into an investment account to create a sustainable source of capital match for projects. Any withdrawals from the account to match capital projects must be repaid, with interest, over the life of the asset purchased.

Local Match – Match provided by local municipalities and organizations to leverage federal funds.

Paratransit Revolving Loan Fund – The match for Paratransit vehicles purchased is provided using the Paratransit Revolving Loan Fund. Each agency that participates in the RIde program pays an hourly rate for centralized maintenance of vehicles, training, and vehicle replacement. Funds for vehicle replacement are placed in the Paratransit Revolving Fund and drawn upon as needed to fund the local share for vehicle replacement.

Rhode Island Capital Plan (RICAP) – The Rhode Island Capital Plan Fund is a “rainy day fund” created by the State using excess general revenues and is intended to fund capital expenditures for asset protection or to fund debt service. RI Capital Plan Funds are appropriated by the General Assembly.

RIPTA Capital Match – Funds that RIPTA receives from operations that are used to leverage federal funds on capital expenditures.

State Fleet Revolving Loan Fund (SFRLF) – A separate fund within the State Treasury called the State Fleet Replacement Revolving Loan Fund with the purpose of acquiring motor vehicles, and vehicle-related equipment and attachments for State departments and agencies. Except for RIPTA, any proceeds from the fund must be repaid to constitute a continuing revolving loan fund.

A total of \$4.2 million has been made available as a direct grant from the State Fleet Replacement Revolving Loan Fund for the required 20% match for RIPTA to obtain federal funds to purchase buses through FY 2017. Any such sums need not be repaid to the revolving loan fund.

Rhode Island Public Transit Authority
Capital Improvement Plan
Fiscal Year 2017 - 2022

Sum of Requested Budget Row Labels	Column Labels						Grand Total
	2017	2018	2019	2020	2021	2022	
Information Technology Replacement							
ATMS	\$217,691						\$217,691
Fuel & Fluid Management System	\$840,000						\$840,000
Hastus Upgrade & Expansion	\$742,500	\$297,000					\$1,039,500
One Solution	\$825,000						\$825,000
Phone System	\$200,000						\$200,000
Redundancy / Disaster Recovery	\$1,000,000						\$1,860,000
Replacement IT Equipment	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,800,000
Replacement of 5 Security DVR's	\$175,000						\$175,000
IVR Upgrade		\$62,500	\$50,000			\$50,000	\$100,000
Ruggedized Laptops		\$62,500		\$62,500			\$125,000
Ride Tablets	\$78,000						\$204,000
Upgrade Network		\$150,000		\$54,000	\$50,000		\$200,000
Server/SAN Replacement		\$50,000					\$100,000
VMWare		\$40,000					\$40,000
Electronic Defect Card		\$60,000					\$60,000
Compliance Software	\$40,000						\$40,000
Incident/Accident Management Software	\$75,000						\$75,000
Server Software		\$40,000					\$40,000
ATMS Radio Replacement					\$800,000		\$800,000
Information Technology Replacement Total	\$4,493,191	\$1,859,500	\$386,000	\$416,500	\$1,150,000	\$436,000	\$8,741,191
Safety & Security							
1% Security Plan	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$2,100,000
Safety & Security Total	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$2,100,000
Vehicles							
Fixed Route	\$11,780,760	\$19,158,594				\$15,751,546	\$46,690,900
Flex Vehicles		\$275,625	\$868,219			\$1,842,632	\$2,986,476
Non-Revenue Vehicle	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	\$1,320,000
Paratransit Vehicle	\$1,402,625	\$1,402,625	\$1,402,625	\$1,402,625	\$1,402,625	\$1,402,625	\$8,415,750
Vehicles Total	\$13,403,385	\$21,056,844	\$2,490,844	\$1,622,625	\$1,622,625	\$19,216,803	\$59,413,126
Federal Fund Pass Through Projects							
Transit Hub Newport	\$6,440,000						\$6,440,000
Transit Hub Pawtucket	\$400,000	\$100,000					\$500,000
Transit Hub Warwick	\$20,000	\$130,000					\$150,000
PEEP Commerce RI Improvements	\$494,000						\$494,000
Downtown Transit Connector	\$1,200,000	\$15,800,000					\$17,000,000
PEEP TransArt: Peacedale & East Providence	\$25,000	\$50,000	\$25,000				\$100,000
Federal Fund Pass Through Projects Total	\$8,579,000	\$16,080,000	\$25,000				\$24,684,000
Transit Enhancements							

Sum of Requested Budget		Column Labels						Grand Total
Row Labels	2017	2018	2019	2020	2021	2022	Grand Total	
Farebox Upgrade		\$2,500,000	\$2,500,000	\$500,000			\$5,500,000	
Transit Signal Prioritization Expansion - Planning	\$30,200						\$30,200	
Signal Prioritization Expansion - Implementation		\$1,149,810					\$1,149,810	
Transit Enhancements Total	\$30,200	\$3,649,810	\$2,500,000	\$500,000			\$6,680,010	
Capital Improvements to Land and Buildings								
College Hill Bus Tunnel	\$943,705	\$4,160,000	\$4,160,000				\$9,263,705	
Portable Air Compressors	\$25,000						\$25,000	
6 Rolling Platforms (hybrid bus repair)	\$40,000						\$40,000	
2-Diesel Pumps	\$12,000						\$12,000	
Kennedy Plaza HVAC		\$246,097					\$246,097	
Additional Generator 705 Elmwood		\$300,000					\$300,000	
Future Facilities Maintenance	\$100,000		\$25,000	\$25,000	\$25,000	\$100,000	\$425,000	
Back-up Generator 269 Melrose	\$180,000						\$180,000	
Newport Lift Rebuilds	\$268,924						\$268,924	
Newport Pit Conversion	\$176,419						\$176,419	
Overhead Garage Door Replacement								
Chafee Lift Replacement			\$250,000	\$250,000	\$250,000		\$750,000	
Chafee Roof & HVAC Units			\$475,000	\$475,000	\$475,000	\$650,000	\$2,075,000	
Capital Improvements to Land and Buildings Total	\$1,746,048	\$5,300,097	\$4,910,000	\$750,000	\$750,000	\$750,000	\$14,206,145	
Grand Total	\$28,601,824	\$48,296,251	\$10,661,844	\$3,639,125	\$3,872,625	\$20,752,803	\$115,824,472	

Rhode Island Public Transit Authority
 Capital Improvement Plan
 FY 2017

Program	Project	Match	Values			
			Sum of Requested Budget	Sum of Grant Amount	Sum of Match Amount	
Information Technology Replacement	ATMS	CRLF	\$217,691	\$174,153	\$43,538	
	Fuel & Fluid Management System	CRLF	\$840,000	\$672,000	\$168,000	
	Hastus Upgrade & Expansion	CRLF	\$742,500	\$594,000	\$148,500	
	One Solution	CRLF	\$825,000	\$660,000	\$165,000	
	Phone System	CRLF	\$200,000	\$160,000	\$40,000	
	Redundancy / Disaster Recovery	CRLF	\$1,000,000	\$800,000	\$200,000	
	Replacement IT Equipment	RIPTA Capital Match	\$300,000	\$240,000	\$60,000	
	Replacement of 5 Security DVR's	RIPTA Capital Match	\$175,000	\$140,000	\$35,000	
	Ride Tablets	RIPTA Capital Match	\$78,000	\$62,400	\$15,600	
	Compliance Software	RIPTA Capital Match	\$40,000	\$32,000	\$8,000	
	Incident/Accident Management Software	RIPTA Capital Match	\$75,000	\$60,000	\$15,000	
	Information Technology Replacement Total			\$4,493,191	\$3,594,553	\$898,638
	Safety & Security	1% Security Plan	RICAP	\$350,000	\$280,000	\$70,000
Safety & Security Total			\$350,000	\$280,000	\$70,000	
Vehicles	Fixed Route	SFRLF	\$11,780,760	\$9,424,608	\$2,356,152	
	Non-Revenue Vehicle	CRLF	\$220,000	\$176,000	\$44,000	
	Paratransit Vehicle	PRLF	\$1,402,625	\$1,122,100	\$280,525	
Vehicles Total			\$13,403,385	\$10,722,708	\$2,680,677	
Federal Fund Pass Through Projects	Transit Hub Newport	Local	\$6,440,000	\$5,796,000	\$644,000	
	Transit Hub Pawtucket	Local	\$400,000	\$200,000	\$200,000	
	Transit Hub Warwick	Local	\$20,000	\$16,000	\$4,000	
	PEEP Commerce RI Improvements	Local	\$494,000	\$114,000	\$380,000	
	Downtown Transit Connector	RIDOT	\$1,200,000	\$912,000	\$288,000	
	PEEP TransArt: Peacedale & East Providence	Local	\$25,000	\$20,000	\$5,000	
	Federal Fund Pass Through Projects Total		\$8,579,000	\$7,058,000	\$1,521,000	
	Transit Enhancements	Transit Signal Prioritization Expansion - Planning	RIPTA Capital Match	\$30,200	\$24,160	\$6,040
Transit Enhancements Total			\$30,200	\$24,160	\$6,040	
Capital Improvements to Land and Buildings	College Hill Bus Tunnel	RIPTA Capital Match	\$943,705	\$754,964	\$188,741	
	Portable Air Compressors	RIPTA Capital Match	\$25,000	\$20,000	\$5,000	
	6 Rolling Platforms (hybrid bus repair)	RIPTA Capital Match	\$40,000	\$32,000	\$8,000	
	2-Diesel Pumps	RIPTA Capital Match	\$12,000	\$9,600	\$2,400	
	Future Facilities Maintenance	RICAP	\$100,000	\$80,000	\$20,000	
	Back-up Generator 269 Melrose	RIPTA Capital Match	\$180,000	\$144,000	\$36,000	
	Newport Lift Rebuilds	RICAP	\$196,095	\$156,876	\$39,219	
	Overhead Garage Door Replacement	RIPTA Capital Match	\$72,829	\$58,263	\$14,566	
		RICAP	\$160,580	\$128,464	\$32,116	
		RIPTA Capital Match	\$15,839	\$12,671	\$3,168	
Capital Improvements to Land and Buildings Total		\$1,746,048	\$1,396,838	\$349,210		
Grand Total			\$28,601,824	\$23,076,259	\$5,525,565	

Rhode Island Public Transit Authority
 Capital Improvement Plan
 FY 2018

Program	Project	Match	Values		
			Sum of Requested Budget	Sum of Grant Amount	Sum of Match Amount
Information Technology Replacement	Hastus Upgrade & Expansion	CRLF	\$297,000	\$237,600	\$59,400
	Redundancy / Disaster Recovery	CRLF	\$860,000	\$688,000	\$172,000
	Replacement IT Equipment	RIPTA Capital Match	\$300,000	\$240,000	\$60,000
	Ruggedized Laptops	RIPTA Capital Match	\$62,500	\$50,000	\$12,500
	Upgrade Network	RIPTA Capital Match	\$150,000	\$120,000	\$30,000
	Server/SAN Replacement	RIPTA Capital Match	\$50,000	\$40,000	\$10,000
	VMWare	RIPTA Capital Match	\$40,000	\$32,000	\$8,000
	Electronic Defect Card	RIPTA Capital Match	\$60,000	\$48,000	\$12,000
	Server Software	RIPTA Capital Match	\$40,000	\$32,000	\$8,000
	Information Technology Replacement Total		\$1,859,500	\$1,487,600	\$363,900
Safety & Security	1% Security Plan	\$350,000	\$280,000	\$70,000	
Safety & Security Total		\$350,000	\$280,000	\$70,000	
Vehicles	Fixed Route	State Bus Match	\$19,158,594	\$15,326,875	\$3,831,719
	Flex Vehicles	State Bus Match	\$275,625	\$220,500	\$55,125
	Non-Revenue Vehicle	CRLF	\$220,000	\$176,000	\$44,000
	Paratransit Vehicle	PRLF	\$1,402,625	\$1,122,100	\$280,525
Vehicles Total		\$21,056,844	\$16,845,475	\$4,211,369	
Federal Fund Pass Through Projects	Transit Hub Pawtucket	Local	\$100,000	\$50,000	\$50,000
	Transit Hub Warwick	Local	\$130,000	\$104,000	\$26,000
	Downtown Transit Connector	RICAP	\$15,800,000	\$12,008,000	\$3,792,000
	PEEP TransArt: Peacedale & East Providence	Local	\$50,000	\$40,000	\$10,000
	Federal Fund Pass Through Projects Total		\$16,080,000	\$12,202,000	\$3,878,000
Transit Enhancements	Farebox Upgrade	RIPTA Capital Match	\$2,500,000	\$2,000,000	\$500,000
	Signal Prioritization Expansion - Implementation	RIPTA Capital Match	\$1,149,810	\$919,848	\$229,962
Transit Enhancements Total		\$3,649,810	\$2,919,848	\$729,962	
Capital Improvements to Land and Buildings	College Hill Bus Tunnel	RICAP	\$4,160,000	\$3,328,000	\$832,000
	Kennedy Plaza HVAC	RIPTA Capital Match	\$246,097	\$196,878	\$49,219
	Additional Generator 705 Elmwood	RICAP	\$300,000	\$240,000	\$60,000
	Future Facilities Maintenance	RICAP	\$150,000	\$120,000	\$30,000
	Newport Pit Conversion	RICAP	\$300,000	\$240,000	\$60,000
	Overhead Garage Door Replacement	RIPTA Capital Match	\$144,000	\$115,200	\$28,800
	Capital Improvements to Land and Buildings Total		\$5,300,097	\$4,240,078	\$1,060,019
Grand Total		\$48,296,251	\$37,975,001	\$10,313,250	

Rhode Island Public Transit Authority
 Capital Improvement Plan
 FY 2019

Program	Project	Match	Values		
			Sum of Requested Budget	Sum of Grant Amount	Sum of Match Amount
Information Technology Replacement	Replacement IT Equipment	RIPTA Capital Match	\$300,000	\$240,000	\$60,000
	IVR Upgrade	RIPTA Capital Match	\$50,000	\$40,000	\$10,000
	Ride Tablets	RIPTA Capital Match	\$36,000	\$28,800	\$7,200
Information Technology Replacement Total			\$386,000	\$308,800	\$77,200
Safety & Security	1% Security Plan	RICAP	\$350,000	\$280,000	\$70,000
Safety & Security Total			\$350,000	\$280,000	\$70,000
Vehicles	Flex Vehicles	State Bus Match	\$868,219	\$694,575	\$173,644
	Non-Revenue Vehicle	CRLF	\$220,000	\$176,000	\$44,000
	Paratransit Vehicle	PRLF	\$1,402,625	\$1,122,100	\$280,525
Vehicles Total			\$2,490,844	\$1,992,675	\$498,169
Federal Fund Pass Through Projects	PEEP TransArt: Peacedale & East Providence	Local	\$25,000	\$20,000	\$5,000
Federal Fund Pass Through Projects Total			\$25,000	\$20,000	\$5,000
Transit Enhancements	Farebox Upgrade	RIPTA Capital Match	\$2,500,000	\$2,000,000	\$500,000
	Transit Enhancements Total			\$2,500,000	\$2,000,000
Capital Improvements to Land and Buildings	College Hill Bus Tunnel	RICAP	\$4,160,000	\$3,328,000	\$832,000
	Future Facilities Maintenance	RICAP	\$25,000	\$20,000	\$5,000
	Chafee Lift Replacement	RICAP	\$250,000	\$200,000	\$50,000
	Chafee Roof & HVAC Units	RICAP	\$475,000	\$380,000	\$95,000
Capital Improvements to Land and Buildings Total			\$4,910,000	\$3,928,000	\$982,000
Grand Total			\$10,661,844	\$8,529,475	\$2,132,369

Rhode Island Public Transit Authority
Capital Improvement Plan
FY 2020

Program	Project	Match	Values		
			Sum of Requested Budget	Sum of Grant Amount	Sum of Match Amount
Information Technology Replacement	Replacement IT Equipment	RIPTA Capital Match	\$300,000	\$240,000	\$60,000
	Ruggedized Laptops	RIPTA Capital Match	\$62,500	\$50,000	\$12,500
	Ride Tablets	RIPTA Capital Match	\$54,000	\$43,200	\$10,800
Information Technology Replacement Total			\$416,500	\$333,200	\$83,300
Safety & Security	1% Security Plan	RICAP	\$350,000	\$280,000	\$70,000
Safety & Security Total			\$350,000	\$280,000	\$70,000
Vehicles	Non-Revenue Vehicle	CRLF	\$220,000	\$176,000	\$44,000
	Paratransit Vehicle	PRLF	\$1,402,625	\$1,122,100	\$280,525
Vehicles Total			\$1,622,625	\$1,298,100	\$324,525
Transit Enhancements	Farebox Upgrade	RIPTA Capital Match	\$500,000	\$400,000	\$100,000
Transit Enhancements Total			\$500,000	\$400,000	\$100,000
Capital Improvements to Land and Buildings	Future Facilities Maintenance	RICAP	\$25,000	\$20,000	\$5,000
	Chafee Lift Replacement	RICAP	\$250,000	\$200,000	\$50,000
	Chafee Roof & HVAC Units	RICAP	\$475,000	\$380,000	\$95,000
Capital Improvements to Land and Buildings Total			\$750,000	\$600,000	\$150,000
Grand Total			\$3,639,125	\$2,911,300	\$727,825

Rhode Island Public Transit Authority
 Capital Improvement Plan
 FY 2021

Program	Project	Match	Values		
			Sum of Requested Budget	Sum of Grant Amount	Sum of Match Amount
Information Technology Replacement	Replacement IT Equipment	RIPTA Capital Match	\$300,000	\$240,000	\$60,000
	Upgrade Network	RIPTA Capital Match	\$50,000	\$40,000	\$10,000
	ATMS Radio Replacement	CRLF	\$800,000	\$640,000	\$160,000
Information Technology Replacement Total			\$1,150,000	\$920,000	\$230,000
Safety & Security	1% Security Plan	RICAP	\$350,000	\$280,000	\$70,000
Safety & Security Total			\$350,000	\$280,000	\$70,000
Vehicles	Non-Revenue Vehicle	CRLF	\$220,000	\$176,000	\$44,000
	Paratransit Vehicle	PRLF	\$1,402,625	\$1,122,100	\$280,525
Vehicles Total			\$1,622,625	\$1,298,100	\$324,525
Capital Improvements to Land and Buildings	Future Facilities Maintenance	RICAP	\$25,000	\$20,000	\$5,000
	Chafee Lift Replacement	RICAP	\$250,000	\$200,000	\$50,000
	Chafee Roof & HVAC Units	RICAP	\$475,000	\$380,000	\$95,000
Capital Improvements to Land and Buildings Total			\$750,000	\$600,000	\$150,000
Grand Total			\$3,872,625	\$3,098,100	\$774,525

Rhode Island Public Transit Authority
Capital Improvement Plan
FY 2022

Program	Project	Match	Values		
			Sum of Requested Budget	Sum of Grant Amount	Sum of Match Amount
Information Technology Replacement	Replacement IT Equipment	RIPTA Capital Match	\$300,000	\$240,000	\$60,000
	IVR Upgrade	RIPTA Capital Match	\$50,000	\$40,000	\$10,000
	Ride Tablets	RIPTA Capital Match	\$36,000	\$28,800	\$7,200
	Server/SAN Replacement	RIPTA Capital Match	\$50,000	\$40,000	\$10,000
Information Technology Replacement Total		\$436,000	\$348,800	\$87,200	
Safety & Security	1% Security Plan	RICAP	\$350,000	\$280,000	\$70,000
	Safety & Security Total		\$350,000	\$280,000	\$70,000
Vehicles	Fixed Route	State Bus Match	\$15,751,546	\$12,601,237	\$3,150,309
	Flex Vehicles	State Bus Match	\$1,842,632	\$1,474,106	\$368,526
	Non-Revenue Vehicle	CRLF	\$220,000	\$176,000	\$44,000
	Paratransit Vehicle	PRLF	\$1,402,625	\$1,122,100	\$280,525
Vehicles Total		\$19,216,803	\$15,373,442	\$3,843,361	
Capital Improvements to Land and Buildings	Future Facilities Maintenance	RICAP	\$100,000	\$80,000	\$20,000
	Chafee Roof & HVAC Units	RICAP	\$650,000	\$520,000	\$130,000
Capital Improvements to Land and Buildings Total		\$750,000	\$600,000	\$150,000	
Grand Total		\$20,752,803	\$16,602,242	\$4,150,561	

**Rhode Island Public Transit Authority
Capital Improvement Plan FY 2017 - 2022
Federal Funding by Fiscal Year**

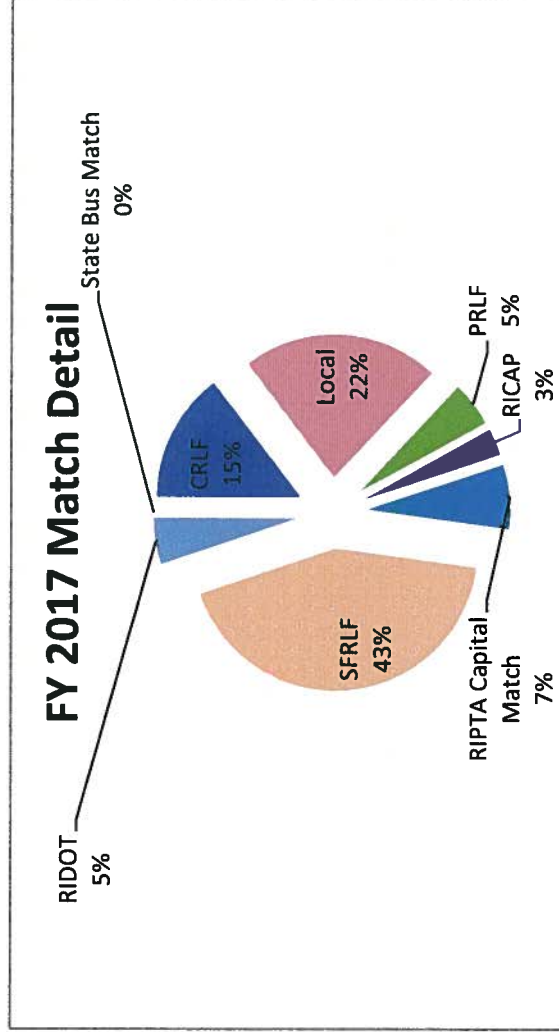
Sum of Grant Amount Row Labels	2017	2018	2019	2020	2021	2022 Grand Total
Federal Fund Pass Through Projects	\$7,058,000	\$12,202,000	\$20,000			\$19,280,000
Downtown Transit Connector	\$912,000	\$12,008,000				\$12,920,000
PEEP Commerce RI Improvements	\$114,000					\$114,000
PEEP TransArt: Peacedale & East Providence	\$20,000	\$40,000	\$20,000			\$80,000
Transit Hub Newport	\$5,796,000					\$5,796,000
Transit Hub Pawtucket	\$200,000	\$50,000				\$250,000
Transit Hub Warwick	\$16,000	\$104,000				\$120,000
Information Technology Replacement	\$3,594,553	\$1,487,600	\$308,800	\$333,200	\$920,000	\$6,992,953
ATMS	\$174,153					\$174,153
ATMS Radio Replacement					\$640,000	\$640,000
Compliance Software	\$32,000					\$32,000
Electronic Defect Card		\$48,000				\$48,000
Fuel & Fluid Management System	\$672,000					\$672,000
Hastus Upgrade & Expansion	\$594,000	\$237,600				\$831,600
Incident/Accident Management Software	\$60,000					\$60,000
IVR Upgrade			\$40,000			\$40,000
One Solution	\$660,000					\$660,000
Phone System	\$160,000					\$160,000
Redundancy / Disaster Recovery	\$800,000	\$688,000				\$1,488,000
Replacement IT Equipment	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$1,440,000
Replacement of 5 Security DVR's	\$140,000					\$140,000
Ride Tablets	\$62,400		\$28,800	\$43,200		\$164,400
Ruggedized Laptops		\$50,000		\$50,000		\$100,000
Server Software	\$32,000					\$32,000
Server/SAN Replacement	\$40,000					\$40,000
Upgrade Network	\$120,000				\$40,000	\$160,000
VMWare	\$32,000					\$32,000
Safety & Security	\$280,000	\$280,000	\$280,000	\$280,000	\$280,000	\$1,680,000
1% Security Plan	\$280,000	\$280,000	\$280,000	\$280,000	\$280,000	\$1,680,000
Transit Enhancements	\$24,160	\$2,919,848	\$2,000,000	\$400,000		\$5,344,008
Farebox Upgrade		\$2,000,000	\$2,000,000	\$400,000		\$4,400,000
Signal Prioritization Expansion - Implementation		\$919,848				\$919,848
Transit Signal Prioritization Expansion - Planning	\$24,160					\$24,160

Federal Funding by Fiscal Year

Sum of Grant Amount Row Labels	Column Labels						2022 Grand Total
	2017	2018	2019	2020	2021	2022	
Vehicles	\$10,722,708	\$16,845,475	\$1,992,675	\$1,298,100	\$1,298,100	\$15,373,442	\$47,530,501
Fixed Route	\$9,424,608	\$15,326,875				\$12,601,237	\$37,352,720
Flex Vehicles		\$220,500	\$694,575			\$1,474,106	\$2,389,181
Non-Revenue Vehicle	\$176,000	\$176,000	\$176,000	\$176,000	\$176,000	\$176,000	\$1,056,000
Paratransit Vehicle	\$1,122,100	\$1,122,100	\$1,122,100	\$1,122,100	\$1,122,100	\$1,122,100	\$6,732,600
Capital Improvements to Land and Buildings	\$1,396,838	\$4,240,078	\$3,928,000	\$600,000	\$600,000	\$600,000	\$11,364,916
2-Diesel Pumps	\$9,600						\$9,600
6 Rolling Platforms (hybrid bus repair)	\$32,000						\$32,000
Additional Generator 705 Elmwood		\$240,000					\$240,000
Back-up Generator 269 Melrose	\$144,000						\$144,000
Chafee Lift Replacement			\$200,000	\$200,000	\$200,000	\$200,000	\$600,000
Chafee Roof & HVAC Units			\$380,000	\$380,000	\$380,000	\$520,000	\$1,660,000
College Hill Bus Tunnel	\$754,964	\$3,328,000	\$3,328,000				\$7,410,964
Future Facilities Maintenance	\$80,000	\$120,000	\$20,000	\$20,000	\$20,000	\$80,000	\$340,000
Kennedy Plaza HVAC		\$196,878					\$196,878
Newport Lift Rebuilds	\$215,139						\$215,139
Newport Pit Conversion		\$240,000					\$240,000
Overhead Garage Door Replacement	\$141,135	\$115,200					\$256,335
Portable Air Compressors	\$20,000						\$20,000
Grand Total	\$23,076,259	\$37,975,001	\$8,529,475	\$2,911,300	\$3,098,100	\$16,602,242	\$92,192,378

**Rhode Island Public Transit Authority
Capital Improvement Plan FY 2017 - FY 2022
Match Source by Fiscal Year**

Sum of Match Amount	Column Labels	2017	2018	2019	2020	2021	2022
Row Labels	2017	2018	2019	2020	2021	2022	
CRLF	\$809,038	\$275,400	\$44,000	\$44,000	\$204,000	\$44,000	\$44,000
Local	\$1,233,000	\$86,000	\$5,000				
PRLF	\$280,525	\$280,525	\$280,525	\$280,525	\$280,525	\$280,525	\$280,525
RICAP	\$161,335	\$4,844,000	\$1,052,000	\$220,000	\$220,000	\$220,000	\$220,000
RIPTA Capital Match	\$397,515	\$940,481	\$577,200	\$183,300	\$70,000	\$87,200	
SFRLF	\$2,356,152						
RIDOT	\$288,000						
State Bus Match		\$3,886,844	\$173,644				\$3,518,836
Grand Total	\$5,525,565	\$10,313,250	\$2,132,369	\$727,825	\$774,525	\$4,150,561	



**Rhode Island Public Transit Authority
Capital Improvement Plan FY 2017 - 2022
Capital Revolving Loan Fund Match by Fiscal Year**

		Values			
Year	Program	Project	Sum of Requested Budget	Sum of Grant Amount	Sum of Match Amount
2017	Information Technology Replacement	ATMS	\$217,691	\$174,153	\$43,538
		Fuel & Fluid Management System	\$840,000	\$672,000	\$168,000
		Hastus Upgrade & Expansion	\$742,500	\$594,000	\$148,500
		One Solution	\$825,000	\$660,000	\$165,000
		Phone System	\$200,000	\$160,000	\$40,000
		Redundancy / Disaster Recovery	\$1,000,000	\$800,000	\$200,000
	Information Technology Replacement Total		\$3,825,191	\$3,060,153	\$765,038
	Vehicles		\$220,000	\$176,000	\$44,000
	Vehicles Total		\$220,000	\$176,000	\$44,000
2017 Total			\$4,045,191	\$3,236,153	\$809,038
2018	Information Technology Replacement	Hastus Upgrade & Expansion	\$297,000	\$237,600	\$59,400
		Redundancy / Disaster Recovery	\$860,000	\$688,000	\$172,000
			\$1,157,000	\$925,600	\$231,400
	Information Technology Replacement Total		\$220,000	\$176,000	\$44,000
	Vehicles		\$220,000	\$176,000	\$44,000
	Vehicles Total		\$220,000	\$176,000	\$44,000
2018 Total			\$1,377,000	\$1,101,600	\$275,400
2019	Vehicles	Non-Revenue Vehicle	\$220,000	\$176,000	\$44,000
		Vehicles Total	\$220,000	\$176,000	\$44,000
2019 Total			\$220,000	\$176,000	\$44,000
2020	Vehicles	Non-Revenue Vehicle	\$220,000	\$176,000	\$44,000
		Vehicles Total	\$220,000	\$176,000	\$44,000
2020 Total			\$220,000	\$176,000	\$44,000
2021	Information Technology Replacement	ATMS Radio Replacement	\$800,000	\$640,000	\$160,000
			\$800,000	\$640,000	\$160,000
		Information Technology Replacement Total	\$220,000	\$176,000	\$44,000
	Vehicles		\$220,000	\$176,000	\$44,000
	Vehicles Total		\$220,000	\$176,000	\$44,000
2021 Total			\$1,020,000	\$816,000	\$204,000
2022	Vehicles	Non-Revenue Vehicle	\$220,000	\$176,000	\$44,000
		Vehicles Total	\$220,000	\$176,000	\$44,000
2022 Total			\$220,000	\$176,000	\$44,000
Grand Total			\$7,102,191	\$5,681,753	\$1,420,438

**Rhode Island Public Transit Authority
Capital Improvement Plan FY 2017 - 2022
Local Match by Fiscal Year (Including Match provided by RIDOT)**

Row Labels	Values		
	Sum of Requested Budget	Sum of Grant Amount	Sum of Match Amount
2016	\$220,000	\$153,000	\$67,000
Federal Fund Pass Through Projects	\$220,000	\$153,000	\$67,000
Transit Hub Newport	\$170,000	\$153,000	\$17,000
Transit Hub Pawtucket	\$50,000	\$0	\$50,000
2017	\$8,579,000	\$7,058,000	\$1,521,000
Federal Fund Pass Through Projects	\$8,579,000	\$7,058,000	\$1,521,000
Downtown Transit Connector	\$1,200,000	\$912,000	\$288,000
PEEP Commerce RI Improvements	\$494,000	\$114,000	\$380,000
PEEP TransArt: Peacedale & East Providence	\$25,000	\$20,000	\$5,000
Transit Hub Newport	\$6,440,000	\$5,796,000	\$644,000
Transit Hub Pawtucket	\$400,000	\$200,000	\$200,000
Transit Hub Warwick	\$20,000	\$16,000	\$4,000
2018	\$280,000	\$194,000	\$86,000
Federal Fund Pass Through Projects	\$280,000	\$194,000	\$86,000
PEEP TransArt: Peacedale & East Providence	\$50,000	\$40,000	\$10,000
Transit Hub Pawtucket	\$100,000	\$50,000	\$50,000
Transit Hub Warwick	\$130,000	\$104,000	\$26,000
2019	\$25,000	\$20,000	\$5,000
Federal Fund Pass Through Projects	\$25,000	\$20,000	\$5,000
PEEP TransArt: Peacedale & East Providence	\$25,000	\$20,000	\$5,000
Grand Total	\$9,104,000	\$7,425,000	\$1,679,000

Rhode Island Public Transit Authority
 Capital Improvement Plan FY 2017 - 2022
 Paratransit Revolving Loan Fund Match by Fiscal Year

Values				
Row Labels	Sum of Requested Budget	Sum of Grant Amount	Sum of Match Amount	
2017	\$1,402,625	\$1,122,100	\$280,525	
Vehicles	\$1,402,625	\$1,122,100	\$280,525	
Paratransit Vehicle	\$1,402,625	\$1,122,100	\$280,525	
2018	\$1,402,625	\$1,122,100	\$280,525	
Vehicles	\$1,402,625	\$1,122,100	\$280,525	
Paratransit Vehicle	\$1,402,625	\$1,122,100	\$280,525	
2019	\$1,402,625	\$1,122,100	\$280,525	
Vehicles	\$1,402,625	\$1,122,100	\$280,525	
Paratransit Vehicle	\$1,402,625	\$1,122,100	\$280,525	
2020	\$1,402,625	\$1,122,100	\$280,525	
Vehicles	\$1,402,625	\$1,122,100	\$280,525	
Paratransit Vehicle	\$1,402,625	\$1,122,100	\$280,525	
2021	\$1,402,625	\$1,122,100	\$280,525	
Vehicles	\$1,402,625	\$1,122,100	\$280,525	
Paratransit Vehicle	\$1,402,625	\$1,122,100	\$280,525	
2022	\$1,402,625	\$1,122,100	\$280,525	
Vehicles	\$1,402,625	\$1,122,100	\$280,525	
Paratransit Vehicle	\$1,402,625	\$1,122,100	\$280,525	
Grand Total	\$8,415,750	\$6,732,600	\$1,683,150	

**Rhode Island Public Transit Authority
Capital Improvement Plan FY 2017 - 2022
RICAP Match by Fiscal Year**

Year	Program	Project	Values		
			Sum of Requested Budget	Sum of Grant Amount	Sum of Match Amount
2017	Safety & Security	1% Security Plan	\$350,000	\$280,000	\$70,000
		Safety & Security Total	\$350,000	\$280,000	\$70,000
	Capital Improvements to Land and Buildings	Future Facilities Maintenance	\$100,000	\$80,000	\$20,000
		Newport Lift Rebuilds	\$196,095	\$156,876	\$39,219
	Overhead Garage Door Replacement	\$160,580	\$128,464	\$32,116	
2017 Total	Capital Improvements to Land and Buildings Total	\$456,675	\$365,340	\$91,335	
2018	Safety & Security	1% Security Plan	\$350,000	\$280,000	\$70,000
		Safety & Security Total	\$350,000	\$280,000	\$70,000
	Federal Fund Pass Through Projects	Downtown Transit Connector	\$15,800,000	\$12,008,000	\$3,792,000
		Capital Improvements to Land and Buildings	\$4,160,000	\$3,328,000	\$832,000
	College Hill Bus Tunnel	\$300,000	\$240,000	\$60,000	
	Additional Generator 705 Elmwood	\$150,000	\$120,000	\$30,000	
	Future Facilities Maintenance	\$300,000	\$240,000	\$60,000	
	Newport Pit Conversion	\$4,910,000	\$3,928,000	\$982,000	
2018 Total	Capital Improvements to Land and Buildings Total	\$21,060,000	\$16,216,000	\$4,844,000	
2019	Safety & Security	1% Security Plan	\$350,000	\$280,000	\$70,000
		Safety & Security Total	\$350,000	\$280,000	\$70,000
	Capital Improvements to Land and Buildings	College Hill Bus Tunnel	\$4,160,000	\$3,328,000	\$832,000
		Future Facilities Maintenance	\$25,000	\$20,000	\$5,000
	Chafee Lift Replacement	\$250,000	\$200,000	\$50,000	
	Chafee Roof & HVAC Units	\$475,000	\$380,000	\$95,000	
	Capital Improvements to Land and Buildings Total	\$4,910,000	\$3,928,000	\$982,000	
2019 Total	Capital Improvements to Land and Buildings Total	\$5,260,000	\$4,208,000	\$1,052,000	
2020	Safety & Security	1% Security Plan	\$350,000	\$280,000	\$70,000
		Safety & Security Total	\$350,000	\$280,000	\$70,000
	Capital Improvements to Land and Buildings	Future Facilities Maintenance	\$25,000	\$20,000	\$5,000
		Chafee Lift Replacement	\$250,000	\$200,000	\$50,000
	Chafee Roof & HVAC Units	\$475,000	\$380,000	\$95,000	
	Capital Improvements to Land and Buildings Total	\$750,000	\$600,000	\$150,000	

RICAP Match by Fiscal Year

Year	Program	Project	Values		
			Sum of Requested Budget	Sum of Grant Amount	Sum of Match Amount
2020 Total			\$1,100,000	\$880,000	\$220,000
2021	Safety & Security	1% Security Plan	\$350,000	\$280,000	\$70,000
	Safety & Security Total		\$350,000	\$280,000	\$70,000
	Capital Improvements to Land and Buildings	Future Facilities Maintenance	\$25,000	\$20,000	\$5,000
		Chafee Lift Replacement	\$250,000	\$200,000	\$50,000
		Chafee Roof & HVAC Units	\$475,000	\$380,000	\$95,000
	Capital Improvements to Land and Buildings Total		\$750,000	\$600,000	\$150,000
2021 Total			\$1,100,000	\$880,000	\$220,000
2022	Safety & Security	1% Security Plan	\$350,000	\$280,000	\$70,000
	Safety & Security Total		\$350,000	\$280,000	\$70,000
	Capital Improvements to Land and Buildings	Future Facilities Maintenance	\$100,000	\$80,000	\$20,000
		Chafee Roof & HVAC Units	\$650,000	\$520,000	\$130,000
	Capital Improvements to Land and Buildings Total		\$750,000	\$600,000	\$150,000
2022 Total			\$1,100,000	\$880,000	\$220,000
Grand Total			\$30,426,675	\$23,709,340	\$6,717,335

**Rhode Island Public Transit Authority
Capital Improvement Plan FY 2017 - 2022
RIPTA Capital Match by Fiscal Year**

Year	Program	Project	Values			
			Sum of Requested Budget	Sum of Grant Amount	Sum of Match Amount	
2017	Information Technology Replacement	Replacement IT Equipment	\$300,000	\$240,000	\$60,000	
		Replacement of 5 Security DVR's	\$175,000	\$140,000	\$35,000	
		Ride Tablets	\$78,000	\$62,400	\$15,600	
		Compliance Software	\$40,000	\$32,000	\$8,000	
		Incident/Accident Management Software	\$75,000	\$60,000	\$15,000	
	Information Technology Replacement Total		\$668,000	\$534,400	\$133,600	
		Transit Enhancements	\$30,200	\$24,160	\$6,040	
	Transit Enhancements Total		\$30,200	\$24,160	\$6,040	
		Capital Improvements to Land and Buildings	\$943,705	\$754,964	\$188,741	
	2018	Information Technology Replacement	Portable Air Compressors	\$25,000	\$20,000	\$5,000
			6 Rolling Platforms (hybrid bus repair)	\$40,000	\$32,000	\$8,000
			2-Diesel Pumps	\$12,000	\$9,600	\$2,400
			Back-up Generator 269 Melrose	\$180,000	\$144,000	\$36,000
			Newport Lift Rebuilds	\$72,829	\$58,263	\$14,566
			Overhead Garage Door Replacement	\$15,839	\$12,671	\$3,168
College Hill Bus Tunnel			\$943,705	\$754,964	\$188,741	
Transit Signal Prioritization Expansion - Planning			\$30,200	\$24,160	\$6,040	
Transit Signal Prioritization Expansion - Implementation			\$30,200	\$24,160	\$6,040	
Transit Signal Prioritization Expansion - Implementation			\$30,200	\$24,160	\$6,040	
Transit Signal Prioritization Expansion - Implementation			\$30,200	\$24,160	\$6,040	
Transit Signal Prioritization Expansion - Implementation			\$30,200	\$24,160	\$6,040	
Transit Signal Prioritization Expansion - Implementation			\$30,200	\$24,160	\$6,040	
Transit Signal Prioritization Expansion - Implementation			\$30,200	\$24,160	\$6,040	
Capital Improvements to Land and Buildings Total				\$1,289,373	\$1,031,498	\$257,875
2017 Total		\$1,987,573	\$1,590,058	\$397,515		
2018	Information Technology Replacement	Replacement IT Equipment	\$300,000	\$240,000	\$60,000	
		Ruggedized Laptops	\$62,500	\$50,000	\$12,500	
		Upgrade Network	\$150,000	\$120,000	\$30,000	
		Server/SAN Replacement	\$50,000	\$40,000	\$10,000	
		VMWare	\$40,000	\$32,000	\$8,000	
		Electronic Defect Card	\$60,000	\$48,000	\$12,000	
		Server Software	\$40,000	\$32,000	\$8,000	
		Farebox Upgrade	\$702,500	\$562,000	\$132,500	
		Signal Prioritization Expansion - Implementation	\$2,500,000	\$2,000,000	\$500,000	
		Signal Prioritization Expansion - Implementation	\$1,149,810	\$919,848	\$229,962	
		Signal Prioritization Expansion - Implementation	\$3,649,810	\$2,919,848	\$729,962	
		Kennedy Plaza HVAC	\$246,097	\$196,878	\$49,219	
		Overhead Garage Door Replacement	\$144,000	\$115,200	\$28,800	
		Capital Improvements to Land and Buildings Total		\$390,097	\$312,078	\$78,019
		2018 Total		\$4,742,407	\$3,793,926	\$940,481
2019	Information Technology Replacement	Replacement IT Equipment	\$300,000	\$240,000	\$60,000	
		IVR Upgrade	\$50,000	\$40,000	\$10,000	
		Ride Tablets	\$36,000	\$28,800	\$7,200	

RIPTA Capital Match by Fiscal Year

Year	Program	Project	Values		
			Sum of Requested Budget	Sum of Grant Amount	Sum of Match Amount
2019 Total	2019 Information Technology Replacement Total		\$386,000	\$308,800	\$77,200
	Transit Enhancements	Farebox Upgrade	\$2,500,000	\$2,000,000	\$500,000
	Transit Enhancements Total		\$2,886,000	\$2,308,800	\$577,200
2020 Total	2020 Information Technology Replacement	Replacement IT Equipment	\$300,000	\$240,000	\$60,000
		Ruggedized Laptops	\$62,500	\$50,000	\$12,500
		Ride Tablets	\$54,000	\$43,200	\$10,800
2020 Total	Information Technology Replacement Total		\$416,500	\$333,200	\$83,300
	Transit Enhancements	Farebox Upgrade	\$500,000	\$400,000	\$100,000
	Transit Enhancements Total		\$500,000	\$400,000	\$100,000
2021 Total	2021 Information Technology Replacement	Replacement IT Equipment	\$916,500	\$733,200	\$183,300
		Upgrade Network	\$300,000	\$240,000	\$60,000
			\$50,000	\$40,000	\$10,000
2021 Total	Information Technology Replacement Total		\$350,000	\$280,000	\$70,000
	2022 Information Technology Replacement	Replacement IT Equipment	\$350,000	\$280,000	\$70,000
		IVR Upgrade	\$300,000	\$240,000	\$60,000
2022 Total		Ride Tablets	\$50,000	\$40,000	\$10,000
		Server/SAN Replacement	\$36,000	\$28,800	\$7,200
	Information Technology Replacement Total		\$50,000	\$40,000	\$10,000
Grand Total			\$436,000	\$348,800	\$87,200
			\$11,318,480	\$9,054,784	\$2,255,696

**Rhode Island Public Transit Authority
Capital Improvement Plan FY 2017 - 2022
Fixed Route Bus Match**

State Fleet Revolving Loan Fund Match

Row Labels	Values		
	Sum of Requested Budget	Sum of Grant Amount	Sum of Match Amount
2017			
Vehicles			
Fixed Route	\$11,780,760	\$9,424,608	\$2,356,152
Grand Total	\$11,780,760	\$9,424,608	\$2,356,152

Unknown Source of State Bus Match (Formerly RICAP)

Row Labels	Values		
	Sum of Requested Budget	Sum of Grant Amount	Sum of Match Amount
2018			
Vehicles			
Fixed Route	\$19,434,219	\$15,547,375	\$3,886,844
Flex Vehicles	\$19,158,594	\$15,326,875	\$3,831,719
	\$275,625	\$220,500	\$55,125
2019			
Vehicles			
Flex Vehicles	\$868,219	\$694,575	\$173,644
	\$868,219	\$694,575	\$173,644
2022			
Vehicles			
Fixed Route	\$17,594,178	\$14,075,342	\$3,518,836
Flex Vehicles	\$15,751,546	\$12,601,237	\$3,150,309
	\$1,842,632	\$1,474,106	\$368,526
Grand Total	\$37,896,616	\$30,317,293	\$7,579,323