

# Quarterly Report

## July – September 2017



October 30, 2017



## Statutory Reporting Requirements

The RhodeWorks plan to repair roads and bridges was approved by the Rhode Island General Assembly and signed into law by Governor Gina M. Raimondo on February 11, 2016. The legislation (2016-H 7409Aaa, 2016- S 2246Aaa) creates a funding source that will allow the Rhode Island Department of Transportation (RIDOT) to repair more than 150 structurally deficient bridges and make repairs to another 500 bridges to prevent them from becoming deficient, bringing 90 percent of the State's bridges into structural sufficiency by 2025. Incorporated into the new legislation are the following reporting requirements:

RIGL 42-13.1-16. Reporting. – The department shall submit to the office of management and budget, the house fiscal advisor, and the senate fiscal advisor, a report on the progress of implementation of this chapter within thirty (30) days of the close of each of the fiscal quarters of each year. The reports shall also be posted on the department's website. The reports shall include, at a minimum:

- (1) Construction and design contracts of five hundred thousand dollars (\$500,000) or greater planned to be advertised in the upcoming federal fiscal year, their value and expected award date;
- (2) Construction and design contracts of five hundred thousand dollars (\$500,000) or greater awarded in the prior federal fiscal year, date of award, value, and expected substantial completion date;
- (3) Expected final cost of:
  - (i) Any construction contracts of five hundred thousand dollars (\$500,000) or greater that reached substantial completion in the prior federal fiscal year; and
  - (ii) Any design contracts of five hundred thousand dollars (\$500,000) or greater completed in the prior federal fiscal year; and
- (4) Total number of workers employed through the contract and the number of the workers in that total with a Rhode Island address.



Department of Transportation  
Two Capitol Hill  
Providence, RI 02903

Office 401-222-2450  
Fax 401-222-3905

Dear Ms. Reynolds Ferland, Messrs. Whitney and Womer:

RIDOT is pleased to submit its RHODEWORKS Quarterly Report as required by state law.

As described in this report, the RHODEWORKS program is successfully accelerating the repair of the State's infrastructure. RIDOT is now poised to deliver projects efficiently and effectively by deploying a project management approach and leveraging a range of innovative procurement techniques such as design-build contracting and bundling of multiple proximate projects under a single contract to accelerate delivery. At an unprecedented pace, RIDOT is accelerating the repair of the State's infrastructure, getting projects out the door and shovels in the ground, and improving safety and economic growth even beyond what was envisioned by the enabling legislation.

Notably, Federal Fiscal Year 2017 (FFY 17) was RIDOT's most successful year, in terms of advertising project work, surpassing even the year of passage of the American Recovery and Investment Act (ARRA) in 2009. Compared to that year's total of \$268 million in advertised projects, FFY 2017 closed on September 30 with a total estimated Capital Program construction value advertised of \$293 million (compared with \$169 million FFY 2016 and \$111 in FFY 2015.) and advertisement of the Route 6/10 Interchange with an estimated construction value of \$276.0 million for a total estimated construction value of \$569.0 million. And, RIDOT also deployed innovations in project delivery, such as the replacement of the Tefft Hill Bridge structure on I-95 Southbound. Scheduled as a 56-hour undertaking, RIDOT's project management team and contractors utilized innovative approaches and completed the undertaking 20 hours ahead of schedule.

Importantly, accelerating the pace of work means more jobs for Rhode Islanders. Rhode Island has experienced an 18.4 percent increase in construction jobs (net gain of 3,400) since September 2016. Rhode Island construction sector employment is at the highest level it has been in ten years.

This quarter's report will again highlight RIDOT's accomplishments during the quarter and includes several year-end summary tables. Detailed project budgets and schedules follow in Insert A.

If you have any questions, please do not hesitate to ask.

Sincerely,

Peter Alviti Jr., P.E.  
Director



## **Key Accomplishments**

Key Accomplishments .....	6
---------------------------	---

## **Statutory Requirements**

Statutory Requirements .....	9
------------------------------	---

## **Operations**

Bridge Condition .....	19
Transit Operations .....	20
Safety .....	21
Maintenance and Operations .....	23

## **Projects**

Project Performance .....	25
Special Projects .....	26
Resolving Legacy Issues.....	29

## **Financials**

Expenditures .....	31
Construction Contract Awards.....	34
Disadvantaged Business Enterprise (DBE) Reporting .....	35

## **Appendices**

Appendix A: Construction Sector Employment .....	37
Appendix B: Annual Data .....	38
Glossary.....	40

Insert A: Project Budgets and Schedules .....	A-1
---	-----



# Key Accomplishments

## Key Accomplishments

### RhodeWorks Implementation

- **Bridge Toll Facilities** – The Project Management team continues working with the contractor and other 3<sup>rd</sup> parties so that toll locations will be operational and collecting revenue by the end of 2018.
- **Construction Jobs** – Rhode Island has experienced an 18.4 percent increase in construction jobs (net gain of 3,400) since September 2016. Rhode Island construction sector employment is at the highest level it has been in ten years.
- **August Redistribution** – RIDOT obligated all federal funds by the close of FFY 2017 including easily spending down the highest level of August redistribution ever received (\$17,345,908), and reinforcing that RIDOT has projects “ready to go” and the ability to execute efficiently. The August 2017 redistribution was 52.1 percent higher than the August 2016 redistribution of \$11,403,243.

### Project Management

- **Route 6/10 Olneyville Project** – During the fourth quarter, RIDOT continued the procurement process with two interested design-build teams. Both teams developed and submitted their Alternative Technical Concepts (ATCs). The agency continues to coordinate with the City of Providence on the details of the design and the ATC process.
- **Tefft Hill** – RIDOT was scheduled to replace a bridge structure on 95 northbound in 56 hours. Through the utilization of innovative technology, the project was completed in 36 hours.
- **Project Delivery** - RIDOT advertised more work in FFY 2017 than in any year in its history – surpassing even 2009, when the American Recovery and Investment Act (ARRA) was enacted. Compared to that year’s total of \$268 million in advertised projects, FFY 2017 closed on September 30 with a total estimated annual construction value advertised of \$293 million (compared with \$169 million FFY 2016 and \$111 in FFY 2015).
- **TIGER Grant** – The Department has submitted a TIGER grant requesting \$25 million to replace and/or rehabilitate a series of 15 bridges and culverts located along the eastern portion of Route 37 and make safety modifications to its westbound Exit 3 off-ramp at Pontiac Avenue.

### Safety

- **State Highway Strategic Plan (SHSP)** – The plan includes 11 safety emphasis areas which include impaired driving, distracted driving, vulnerable road users, young drivers, intersections, speed and aging road users. The plan employs multiple strategies and directed tasks which will save lives and decrease serious injuries. The plan incorporates a coalition of community and safety partnerships.



- **Pedestrian Fatalities Response** – The Office of Highway Safety continues to work collaboratively with stakeholders to address roadway fatalities. The office has created a pedestrian educational curriculum for businesses and their employees and will begin presenting that curriculum in November 2017. The OHS also created a specific pedestrian training for law enforcement agencies and have dedicated funding for pedestrian safety patrols. Roadway fatalities in general have risen nationwide as the economy improves, gas prices remain low, and distracted driving increases.

### Transit Improvements

- **Providence-Newport Ferry Service** – The 2017 ferry service, which ended on October 1, saw another successful season as ridership was up nearly 10,000 riders (30 percent) from 2016. Many took advantage of the extended season from mid-June to October 1. Ridership surveys taken show that 75 percent of the riders were from Rhode Island, 22 percent from out-of-state and 3 percent were international travelers.
- **Pawtucket/Central Falls Train Station** - The 4 proposals received last quarter were reviewed by the Technical Evaluation Committee and interviews were held. Coordination meetings are still under way.

### Improved Operations

- **Maintenance Improvements** – During this quarter, RIDOT swept 844 curb miles of roadway, mowed 1,423 miles of grass (mower passes), cleaned 2,860 drainage structures, repaired 203 drainage structures, installed 997 signs (both replacements and new signs), and performed various types of striping including stop bars, yield markings, crosswalks, and parking spaces.

### Technology

- **Autonomous Vehicles** – This September, Rhode Island hosted an Expo on Connected and Autonomous Vehicles (CAV) and other innovative transportation systems technology at the New England Institute of Technology campus in East Greenwich. The purpose of the Expo was to welcome potential partners to learn about opportunities within the State, showcase their ideas, and connect with prospective collaborators, with a focus on creating successful pilot programs, through public, private and academic partnerships. The Expo included a day of panel discussions, followed by a second day of site visits to potential pilot locations. National companies including GM, Uber, Lyft, and a range of engineering firms participated.



# Statutory Requirements

**CONSTRUCTION**
**FFY16 COMPLETE**

**STATUTORY REQUIREMENT: Expected final cost of Construction Contracts \$500,000 or greater that reached substantial completion in the current fiscal year, and the total number of workers employed through the contract and the number of workers in that total with a Rhode Island Address.**

**CONSTRUCTION CONTRACTS AT SUBSTANTIAL COMPLETION IN FFY 2016 YTD (Oct. 1, 2015 - September 30, 2016)**

Construction Contract (Project Name)	Completion Date (Mon-Year)	Expected Final Contract Cost (M\$)	Number of Workers	Number of RI Workers	% Share w/ RI Residence
<b>FFY 2016 1st Quarter - October 1 - December 31, 2015</b>					
Ocean Ave 1 R Improvements	Oct-15	\$ 0.7	43	31	72%
Route 146A and Park Avenue Intersection Improvements	Oct-15	\$ 0.8	76	46	61%
Colt State Park Bike Path Connector	Oct-15	\$ 1.5	39	24	62%
New River Road and Victory highway 1 R Improvements	Nov-15	\$ 1.3	90	65	72%
Mineral Spring Avenue 1 R Improvements	Nov-15	\$ 3.9	130	93	72%
Enhanced Roadside & Freeway Delineation	Nov-15	\$ 2.4	41	24	59%
Jamestown-Verrazzano Bridge No. 800 & Cover Bridge No. 49	Dec-15	\$ 4.8	22	0	0%
<b>Subtotal</b>		<b>\$ 15.4</b>	<b>441</b>	<b>283</b>	
<b>FFY 2016 2nd Quarter - January 1, 2016 - March 31, 2016</b>					
Statewide DMS Installation	Jan-16	\$ 2.3	18	15	83%
I-95 Highway LED Lighting - Exits 1,2,4,5 and Weigh Stations	Feb-16	\$ 2.6	29	29	100%
<b>Subtotal</b>		<b>\$ 4.9</b>	<b>47</b>	<b>44</b>	
<b>FFY 2016 3rd Quarter - April 1, 2016 - June 30, 2016</b>					
Providence Station Enhancements	Apr-16	\$ 6.9	105	63	60%
Old River Road (Route 126) 1R Improvements	May-16	\$ 2.4	98	69	70%
Route 116 Knotty Oak Road	May-16	\$ 1.5	108	67	62%
Route 37 1R Improvements	May-16	\$ 5.5	174	83	48%
Atwells Ave. Bridge No. 975 Replacement	May-16	\$ 2.8	169	93	55%
West Main Road (Route 77) Chip Seal	May-16	\$ 1.6	45	25	56%
Route 102 1R Improvements, C3	May-16	\$ 5.5	104	68	65%
US Route 1, South Kingstown Improvements	May-16	\$ 1.6	65	46	71%
Guardrail Repair and Replacement 2014-2016	Jun-16	\$ 1.5	26	20	77%
West Elmwood RR Bridge No. 660 (69G)	Jun-16	\$ 2.2	63	23	37%
<b>Subtotal</b>		<b>\$ 31.5</b>	<b>957</b>	<b>557</b>	
<b>FFY 2016 4th Quarter - July 1, 2016 - September 30, 2016</b>					
Coles Bridge No. 134 (66)	Jul-16	\$ 0.5	39	23	59%
Dexter Street 1R Improvements	Jul-16	\$ 3.5	57	42	74%
North/Central, C-4 - STC	Aug-16	\$ 1.6	79	31	39%
North, C-5 STC	Aug-16	\$ 1.2	81	57	70%
Shippee Bridge No. 307 (69E)	Aug-16	\$ 2.1	67	52	78%
Impact Attenuator Repair and Replacement 2014-2016	Sep-16	\$ 0.9	17	14	82%
Statewide Fence Repair and Replacement 2015-2016	Sep-16	\$ 0.5	27	18	67%
Statewide Resurfacing 2015, C-1**	Sep-16	\$ 3.9	98	84	86%
Crack Sealing-Limited Access	Sep-16	\$ 0.2	9	3	33%
Crack Sealing-North & East, 2016	Sep-16	\$ 0.2	7	7	100%
Crack Sealing - South & Central 2016	Sep-16	\$ 0.2	14	10	71%
Paver Placed Elastomeric Surface Treatment 2016	Sep-16	\$ 0.7	35	29	83%
Woonasquatucket Avenue 1R Improvements	Sep-16	\$ 3.4	107	76	71%
<b>Subtotal</b>		<b>\$ 18.9</b>	<b>637</b>	<b>446</b>	
<b>TOTAL</b>		<b>\$ 70.7</b>	<b>2,082</b>	<b>1,330</b>	<b>64%</b>

**Note: With passage of RhodeWorks, RIDOT is increasing efforts to ensure contractor compliance with Rhode Island Jobs reporting requirements. A**

Data sources: Monthly RIDOT Executive Summary Reports submitted by Turino, and CHAMP Workforce Database, and current contract amount as of 2/18/16

**Note:** RIDOT continues to monitor costs post substantial completion - the construction value will be adjusted to reflect construction expenses related to punch list and final close out activities

**CONSTRUCTION****FFY16 AWARDS**

**STATUTORY REQUIREMENT: Construction contracts of \$500,000 or greater awarded in the prior fiscal year, date of awards, value and expected substantial completion date.**

**CONSTRUCTION CONTRACTS AWARDED IN FFY 2016 (Oct. 1, 2015 - Sep. 30, 2016)**

Construction Contract (Project Name)	Award Date (Mon-Year)	Value (\$M)	Exp. Completion Date (Mon-Year)
<b>FFY 2016 1st Quarter - October 1, 2015-December 31, 2015</b>			
Route 24 & I-295 Bridge Preservation	Oct-15	\$ 4.3	Nov-16
North, C-5 - STC	Oct-15	\$ 1.2	Sep-16
South/North Main Streets ADA Improvements	Nov-15	\$ 7.3	Aug-17
Woonasquatucket Avenue 1R Improvements	Nov-15	\$ 3.4	Nov-16
Coles Bridge No. 134	Nov-15	\$ 0.5	Jul-16
Statewide Resurfacing 2015, C-1	Dec-15	\$ 4.1	Oct-16
<b>Subtotal</b>		<b>\$ 20.8</b>	
<b>FFY 2016 2nd Quarter - January 1, 2016-March 31, 2016</b>			
Clarence Hussey Bridge No. 11	Jan-16	\$ 2.1	Jul-17
Portsmouth Maintenance Facility	Mar-16	\$ 6.0	Jun-17
Airport Connector & Route 2 Bridges	Mar-16	\$ 5.7	Aug-18
Memorial Blvd. & Francis Street Improvements	Mar-16	\$ 1.8	May-17
Route 107 1R Improvements	Mar-16	\$ 2.6	Nov-16
<b>Subtotal</b>		<b>\$ 18.2</b>	
<b>FFY 2016 3rd Quarter - April 1, 2016-June 30, 2016</b>			
Two Mile Corner Reconstruction	Apr-16	\$ 6.7	Apr-18
Harbor Junction Bridge No. 131	Apr-16	\$ 3.4	Aug-18
Statewide Pavement Striping - Central 2016-2017	May-16	\$ 2.4	Nov-17
East Bay/South, C-6 - STC	May-16	\$ 1.0	May-17
Coronado Road Pedestrian Enhancements	May-16	\$ 2.3	May-17
Rubberized Asphalt Chip Seal 2016	May-16	\$ 1.2	May-17
Mineral Spring Avenue HSIP	May-16	\$ 2.1	Jul-17
Traffic Signal Optimization, C-2	Jun-16	\$ 1.0	May-17
Paver Placed Elastomeric Surface Treatment 2016	Jun-16	\$ 0.6	Oct-16
Statewide Pavement Striping - South, 2016-2017	Jun-16	\$ 2.1	Dec-17
Crack Sealing - Limited Access	Jun-16	\$ 0.2	Oct-16
Crack Sealing - South & Central 2016	Jun-16	\$ 0.2	Sep-16
Crack Sealing - North & East, 2016	Jun-16	\$ 0.2	Sep-16
Statewide Pavement Striping - Limited Access, 2016-2017	Jun-16	\$ 3.1	Apr-18
High Street & Kingstown Road Improvements	Jun-16	\$ 4.6	Oct-17
Tefft Hill Trail Bridge No. 592	Jun-16	\$ 4.5	Sep-18
<b>Subtotal</b>		<b>\$ 35.6</b>	
<b>FFY 2016 4th Quarter July 1, 2016 - September 30, 2016</b>			
Pawtucket Avenue Bridge No. 471	Jul-16	\$ 8.2	Oct-17
Blackstone River Bikeway	Jul-16	\$ 1.2	Jul-17
Providence - Downtown Improvements, C-3	Jul-16	\$ 2.6	Sep-17
Warwick - HSIP	Aug-16	\$ 0.5	Jul-17
Bridge End Treatments - HSIP	Aug-16	\$ 1.7	May-17
Statewide Guardrail 2017-2019	Sep-16	\$ 3.3	Jan-20
Providence River Pedestrian Bridge	Sep-16	\$ 17.0	Oct-18
Capron Road Bridge No.792	Sep-16	\$ 2.4	May-18
Route 138 Improvements	Sep-16	\$ 0.7	Dec-16
<b>Subtotal</b>		<b>\$ 37.6</b>	
<b>TOTAL</b>		<b>\$ 112.2</b>	

## CONSTRUCTION

## FFY18 PLANNED ADVERTISED

**STATUTORY REQUIREMENT: Construction Contracts of \$500,000 or greater planned to be advertised in the upcoming federal fiscal year, their value and expected award date.**

## CONSTRUCTION CONTRACTS PLANNED TO BE ADVERTISED IN FFY 2018 (Oct. 1, 2017 - Sep. 30, 2018)

Construction Contract (Project Name)	Expected Advertise Date (Year)	Construction Value (\$ M)
<b>FFY 2018 - October 1, 2017 - September 30, 2018</b>		
Railroad Avenue Bridge #354 (58B)	Oct-17	\$ 1.5
Roadway Departure Mitigation-Guardrail and Median Improvements to I-95 Warwick & Rt 146 N. Smithfield	Oct-17	\$ 2.0
Big River Bridge No. 34 (57K)	Nov-17	\$ 1.5
I-295 Bridges Contract 3 No. 740	Nov-17	\$ 6.5
2018 Crack Sealing North and East Regions	Dec-17	\$ 0.7
2018 Crack Sealing South and Central Regions	Dec-17	\$ 0.7
2018 Paver Placed Elastomeric Surface Treatment C-1	Dec-17	\$ 1.6
2018 Rubberized Asphalt Chip Sealing - C-1	Dec-17	\$ 1.6
Centerville Rd Bridge No. 425 Rehabilitation	Dec-17	\$ 4.4
I-195 Relocation, Waterfront Parks	Dec-17	\$ 6.3
Metacom Avenue - HSIP	Dec-17	\$ 3.1
1 R Improvements to Reservoir Avenue	Jan-18	\$ 4.5
Geneva Pond Bridge	Jan-18	\$ 2.2
SRTS - Contract 2 (Narragansett)	Jan-18	\$ 0.7
STC - Statewide Pedestrian and Intersection Safety Improvements	Jan-18	\$ 1.3
Route 146 Guide Sign Improvements North C-1 (North Smithfield)	Jan-18	\$ 1.5
Local Safety Improvements 2018, C-3, (South Kingstown)	Feb-18	\$ 0.3
State Traffic Commission Miscellaneous Improvements	Feb-18	\$ 1.9
STC - Allens Avenue at Terminal and Ernest	Feb-18	\$ 0.4
Woonasquatucket River Bridge No. 604	Feb-18	\$ 6.5
2017 Statewide Intersection Safety Improvements	Feb-18	\$ 1.7
Farnum Pike Bridges Nos. 44101, 44121 (38T - L)	Feb-18	\$ 9.5
I-195 Relocation, Dudley St, Contract 12	Feb-18	\$ 1.5
2018 Paver Placed Elastomeric Surface Treatment C-2	Mar-18	\$ 1.2
2018 Rubberized Asphalt Chip Sealing - C-2	Mar-18	\$ 1.6
Intersection Safety Improvements to Rt 114 between Bear Hill Rd and I-295 Cumberland-Roundabouts	Mar-18	\$ 3.9
SRTS- Contract 1 (Barr, Cran, E Prov)	Mar-18	\$ 1.9
Trestle Trail West Section Bridges	Mar-18	\$ 3.2
Replacement of Louisquisset Pike Bridge No. 276	Mar-18	\$ 10.0
Blackstone River Bikeway Segment 8B-1	Apr-18	\$ 2.0
Median Guardrail US Route 1, South County	Apr-18	\$ 3.0
SRTS-Contract 3 (Smithfield, Westerly, Woonsocket)	Apr-18	\$ 1.2
Improvement to Nyatt Rd	Apr-18	\$ 2.0
2018 Limited Access Crack Sealing	Apr-18	\$ 0.3
Replacement of Hunts Mills Bridge No. 208	May-18	\$ 3.0
High Friction Surface Treatment 2018	Jun-18	\$ 0.9
East Bay Bridge Preservation	Jul-18	\$ 6.5
2018 Statewide Intersection Safety Improvements	Aug-18	\$ 1.2
RI-146 Area Bridges- Contract 1	Aug-18	\$ 9.0
I-195 Relocation, Gano St, Contract 18	Sep-18	\$ 1.4
Lafayette Road Bridge	Sep-18	\$ 3.5
Route 37 Bridge Rehabilitation	Sep-18	\$ 29.6
BG- 30 Broad St. S and Elmwood Ave Bridges	Sep-18	\$ 20.0
Aquidneck Island Bridge Preservation	Sep-18	\$ 6.0
Bridge Preservation Bridge Group 05	Sep-18	\$ 4.2
Broad Street Regeneration Initiative	Sep-18	\$ 7.3
I-295 Bridges - Bridge Group 09	Sep-18	\$ 2.5
Intersection Safety Improvements Metacom Ave Rt 136 and Main Street (114) at Market/Miller - HSIP	Sep-18	\$ 0.6
Union Village RR Bridge No. 107	Sep-18	\$ 2.0
<b>Total</b>		<b>\$ 189.8</b>

## Subject to Change

**NOTE:** The North Bound Providence Viaduct project is being considered for advertisement in FFY 2018. Pending a federal grant application approval, estimated construction costs that range between **\$120.0-\$200.0 million**.

## DESIGN

FFY16 COMPLETE

**STATUTORY REQUIREMENT:** Expected final cost of Design Contracts \$500,000 or greater completed in the prior fiscal year, and the total number of workers employed through the contract and the number of workers in that total with a Rhode Island Address.

DESIGN CONTRACTS COMPLETED IN FFY 2016 (Oct. 1, 2015 - September 30, 2016)

Design Contract (Project Name)	Completion Date (Mon-Year)	Expected Final Contract Cost	Number of Workers	Number of RI Workers	% Share w/ RI Residence
<b>FFY 2016 1st Quarter - October 1 - December 31, 2015</b>					
Replacement of Point St. Bridge #980 (87113)	Nov-15	\$ 0.14	N/A	N/A	N/A
<b>Subtotal</b>		<b>\$ 0.14</b>			
<b>FFY 2016 2nd Quarter - January 1, 2016 - March 31, 2016</b>					
Warren Bridge #124 (87112)	Mar-16	\$ 0.10	N/A	N/A	N/A
Reconstruction of Rte. 138 (2000-EH-001)	Mar-16	\$ 0.90	N/A	N/A	N/A
Rehabilitation of Barrington Bridge #123 (87112)	Mar-16	\$ 0.10	N/A	N/A	N/A
<b>Subtotal</b>		<b>\$ 1.10</b>			
<b>FFY 2016 3rd Quarter - April 1, 2016 - June 30, 2016</b>					
Reconstruction of Post Road (87116)	Apr-16	\$ 0.49	N/A	N/A	N/A
Bicycle and Pedestrian Enhancement - Program 1 (96121)	Apr-16	\$ 0.06	N/A	N/A	N/A
3R Improvement Program 3 (83117)	May-16	\$ 0.76	N/A	N/A	N/A
3R Improvement Program 4 (83113)	May-16	\$ 0.83	N/A	N/A	N/A
3R Improvements to Route 146 (81130)	Jun-16	\$ 0.10	N/A	N/A	N/A
Scenic Roadways Program (97108)	Jun-16	\$ 0.12	N/A	N/A	N/A
<b>Subtotal</b>		<b>\$ 2.36</b>			
<b>FFY 2016 4th Quarter - July 1, 2016 - September 30, 2016</b>					
Patriot's Park (99105)	Jul-16	\$ 0.02	N/A	N/A	N/A
I-295 Resurfacing (I-95 to South of Central Ave. Bridge) (98104)	Jul-16	\$ 1.34	N/A	N/A	N/A
Metropolitan Providence Bicycle Facilities Access ( 2001-EI-008)	Aug-16	\$ 0.34	N/A	N/A	N/A
Destination Signing Routes 37 & 78 C-2 (2003-ET-002)	Aug-16	\$ 0.45	N/A	N/A	N/A
Salt Storage Facilities (2000-EH-007)	Aug-16	\$ 0.45	N/A	N/A	N/A
Traffic Signal Design for the STC (2003-Et-003)	Aug-16	\$ 0.39	N/A	N/A	N/A
<b>Subtotal</b>		<b>\$ 2.99</b>			
<b>TOTAL</b>		<b>\$ 6.59</b>			

**Note:** RIDOT does not currently collect full employment and payroll information from contractors and subcontractors on design contracts as this was not a legislated requirement prior to RhodeWorks. As such, RIDOT does not currently have sufficient information about the number of unique employees per project or employee state of residence. Going forward, RIDOT will amend contract agreements to include such information for all non-lump sum based contracts. RIDOT is developing a methodology to capture this information in the future and we are providing the best information available to date.

Data sources: RIDOT Financial Management System

Note: contracts with "n/a" are missing all CHAMP workforce reports.

**DESIGN****FFY16 AWARDS**

**STATUTORY REQUIREMENT: Design contracts of \$500,000 or greater awarded in the prior fiscal year, date of awards, value and expected substantial completion date.**

**DESIGN CONTRACTS AWARDED IN FFY 2016 (Oct. 1, 2015 - Sep. 30, 2016)**

Design Contract (Project Name)	Award Date (Mon-Year)	Value (\$M)	Exp. Completion Date (Mon-Year)
<b>FFY 2016 1st Quarter - October 1, 2015-December 31, 2015</b>			
2015 Interstate Route 95 Resurfacing Program C-2 (2015-EH-007)	Nov-15	\$ 0.6	Nov-20
2015 Interstate Route 95 Resurfacing Program C-1 (2015-EH-019)	Nov-15	\$ 0.6	Jun-18
<b>Subtotal</b>		<b>\$ 1.2</b>	
<b>FFY 2016 2nd Quarter - January 1, 2016-March 31, 2016</b>			
Complete Design Services for Route 146 Destination/Guide Signing	Mar-16	\$ 1.4	Mar-19
<b>Subtotal</b>		<b>\$ 1.4</b>	
<b>FFY 2016 3rd Quarter - April 1, 2016-June 30, 2016</b>			
Traffic Consultant Services related to the SHSP (2015-ET-002)	Jun-16	\$ 0.9	Jun-17
<b>Subtotal</b>		<b>\$ 0.9</b>	
<b>FFY 2016 4th Quarter July 1, 2016 - September 30, 2016</b>			
		\$ -	
<b>Subtotal</b>		<b>\$ -</b>	
<b>TOTAL</b>		<b>\$ 3.5</b>	



**DESIGN****FFY18 PLANNED ADVERTISED**

**STATUTORY REQUIREMENT: Design Contracts of \$500,000 or greater planned to be advertised in the upcoming federal fiscal year, their value and expected award date.**

**DESIGN CONTRACTS PLANNED TO BE ADVERTISED IN FFY 2018 (Oct. 1, 2017 - Sep. 30, 2018)**

Design Contract (Project Name)	Expected Award Date (Month-Year)	Value (\$ M)
<b>FFY 2018 - October 1, 2017 - September 30, 2018</b>		
On-Call Task Order Program	FFY 18	*
On-Call Highway Safety Improvement Program (HSIP) Engineering Support Services	FFY 18	*
On-Call Traffic Engineering Consultant	FFY 18	*
On-Call STC Traffic Studies Consultant	FFY 18	*
On-Call Railroad Consultant Services (two contracts)	FFY 18	*
On-Call On-Call Liaison Consultant Transportation Alternatives Program	FFY 18	*
Construction Engineering and Inspection Svcs for Reconstruction of the 6/10 Interchange	FFY 18	*
<b>Subtotal</b>		*
<b>Total</b>		*

**Note:** Projects that are required to go through the Architectural and Engineering Committee

\* Contract costs are on an as needed basis within the design disciplines of Bridge, Pavement, Stormwater and Facilities.

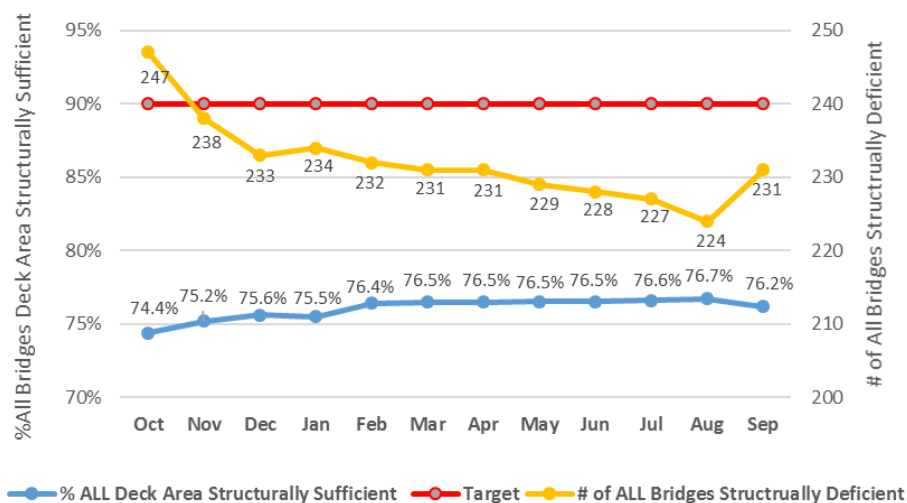


# Operations

## Bridge Condition

In 2015, the condition of Rhode Island's bridges ranked 50th out of the 50 states – the worst in America. The following chart details bridge sufficiency in FFY 2017 through the third quarter. RIDOT anticipates reaching the federal minimum standard of 90 percent sufficiency by 2025.

### Percentage of Bridge Deck Area Structurally Sufficient



All Bridges total = 1,173 All Bridges Deck Area = 8.81 million square feet

RIDOT's Ten Year Plan calls for increased expenditures on bridge preservation activities in addition to expenditures on bridge reconstruction. As can be seen in the following chart, eight bridges were removed from the structurally deficient list during this past quarter; during the same period, ten bridges were deemed structurally deficient upon inspection causing the spike in September. Despite the increase in the last quarter, the total number of structurally deficient bridges over the federal fiscal year has decrease by 16.

#### Bridges No Longer Structurally Deficient (Repaired, Replaced, or Removed) Q4 FFY 2017

Q4 Jul-Sep 2017	The Pontiac bridge 018501 which passes over the Pawtuxet River in Warwick	9,641 sq ft
	The Newman Ave bridge 022401 which passes over the Ten Mile River in East Providence	2,278 sq ft
	The Central Street bridge 044901 which passes over RI 146 in North Smithfield	9,396 sq ft
	The Pawtucket Ave bridge 047101 which passes over I-195 in East Providence	9,548 sq ft
	The Howard bridge 062501 which passes over Power Road in Cranston	10,570 sq ft
	The Pleasant Balley Pkway bridge 077701 which passes over the Woonasquatucket River in Providence	7,039 sq ft
	The Main Street bridge 084001 which passes over US-1 Post Road in Warwick	7,093 sq ft
	The Mountindale Road bridge 113601 which passes over Reaper Brook in Smithfield	320 sq ft
<b>Subtotal</b>		<b>55,888 sq ft</b>

**Note:** The chart to the left, while generated from bridge software, is meant to solely be a list of bridges and is only one piece of the information used to generate the percentage of bridge deck area structurally sufficient chart.

#### Bridges Added to The Structurally Deficient List in Q4 FFY 2017

Q4 Jul-Sep 2017	The Union Village RR bridge 010701 which passes over Slatersville RR in North Smithfield	1,363 sq ft
	The Whipple bridge 011701 which passes over the Blackstone River in Cumberland	14,124 sq ft
	The New London Ave bridge 042401 which passes over Mesh Interchange in Cranston	2,464 sq ft
	The Sayles Ave bridge 051201 which passes over Pascoag River in Burrillville	856 sq ft
	The Water Street bridge 055201 which passes over Water Street in Pawtucket	12,793 sq ft
	The Pettaconsett Avenue bridge 061901 which passes over the Jefferson Blvd in Warwick	23,433 sq ft
	The Narragansett Electric Co bridge 065801 in Providence	10,936 sq ft
	The Potter Hill Road bridge 085301 which passes over High Street in Westerly	5,769 sq ft
	The Broadway RR bridge 092701 which passes over AMTRAK and P&W RR in Providence	6,146 sq ft
	The Main St. Rt. 3 bridge 117701 which passes over an unnamed brook in Hopkinton	170 sq ft
<b>Subtotal</b>		<b>78,055 sq ft</b>
<b>Net Change</b>		<b>+22,167 sq ft</b>

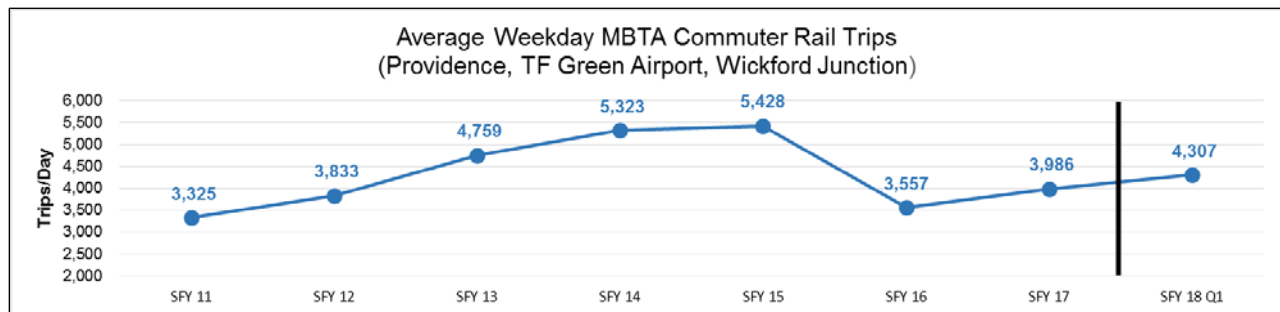
The Transit Operations Program consists of the various operational activities necessary for ongoing commuter rail and the seasonal ferry service. RIDOT operating expenses include Amtrak's Northeast Corridor access fee, liability insurance, Massachusetts Bay Transportation Authority (MBTA) operations, station operations, and marketing. Commuter rail operating expenses are funded with federal Congestion Mitigation and Air Quality (CMAQ) funds. Currently MBTA operations are funded with Federal Transit Administration (FTA) State of Good Repair funds for capital improvements along the MBTA's Providence line in exchange for service.



Per the MBTA's "State of the Service – Commuter Rail" presentation, Providence Station has the tenth most inbound weekday boardings on the entire MBTA commuter rail system outside of Boston.

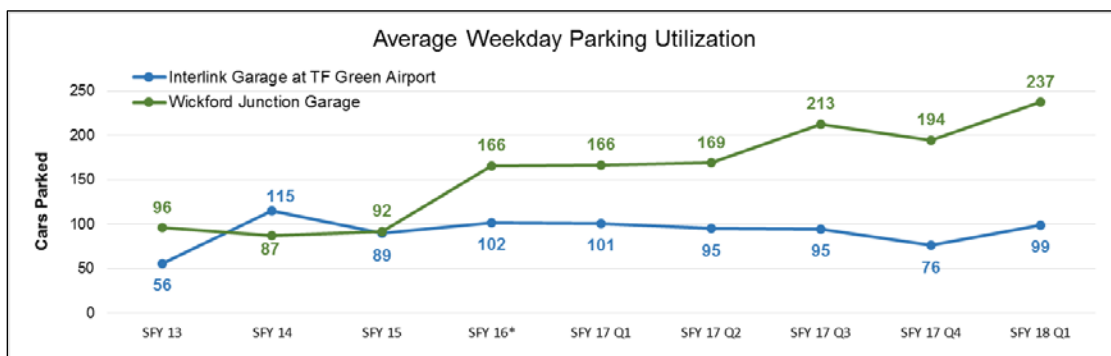
In an effort to bring awareness to train travel in the State, RIDOT initiated the "Ride the Rails" promotional campaign with free fares for six months between Providence, T.F. Green Airport, and Wickford Junction.

## Commuter Rail Ridership



**Definition:** Quarterly ridership counts and estimates of MBTA patrons utilizing Providence, TF Green Airport and Wickford Junction Commuter Rail Stations (counts include both boardings and alightings). **Sources:** MBTA Blue Book, MBTA Operator Estimates, RIDOT quarterly counts.

## Parking Garage Utilization



**Definition:** Average daily (weekday only) counts of number of cars parked at the Interlink Garage at TF Green Airport and the Wickford Junction Garage. **Sources:** WJ operator transactions (historical data), RIDOT counts, RIAC transactions.

## Safety

Roadway fatality increases are being experienced nationwide and Rhode Island is no exception. Between January 1, 2016 and September 30, 2016, 41 lives were lost on Rhode Island roadways. By comparison, 61 lives were lost between January 1, 2017 and September 30, 2017. This equates to a nearly 50 percent increase year-to-date, from 2016 to 2017. RIDOT and its Office of Highway Safety (OHS) are taking proactive measures to review and address common crash factors.

Approximately 25 percent (15 of the 61) of the 2017 roadway fatalities have been pedestrians. As part of OHS's efforts to improve pedestrian safety, the office has created a specific pedestrian training for law enforcement agencies. The office has also created a pedestrian educational curriculum for businesses and their employees. These and other RIDOT initiatives aim to remind both drivers and pedestrians of safe road practices.

RIDOT is supporting a statewide media campaign which will begin during the upcoming holiday season that highlights impairment whether you are driving, walking, or using a motorcycle. The office is also working to publicize the new hands free mobile phone law which goes into effect June 1, 2018. Road distractions are a problem and OHS is committed to continue evaluating accident data to inform and support strong programming initiatives.

The national High-Visibility Enforcement (HVE) Drive Sober or Get Pulled Over alcohol-impaired driving crackdown was conducted from August 18 - September 3. As part of this event, local law enforcement agencies were encouraged to coordinate patrols with surrounding communities and the Rhode Island State Police using the Breath Alcohol Testing (BAT) Mobile. The Warwick Police Department hosted a media event prior to the Labor Day weekend to serve as a special reminder to motorists that intensive enforcement of Rhode Island's .08 Blood Alcohol Concentration limit would be occurring. Data continues to demonstrate that law enforcement efforts on roadways and their extended educational outreach efforts offer added protective layers to all community residents.

On August 31, Director Alviti spoke at a media event hosted by AAA of Southern New England to highlight passage of legislation by the RI General Assembly. The new law requires that children up to age two be transported in a vehicle in a rear-facing car seat. This new law is based on a recommendation of the American Academy of Pediatrics. Studies have shown that many parents were prematurely turning their children forward facing, while the best practice is to keep them rear-facing up to the manufacturer's weight-limit.



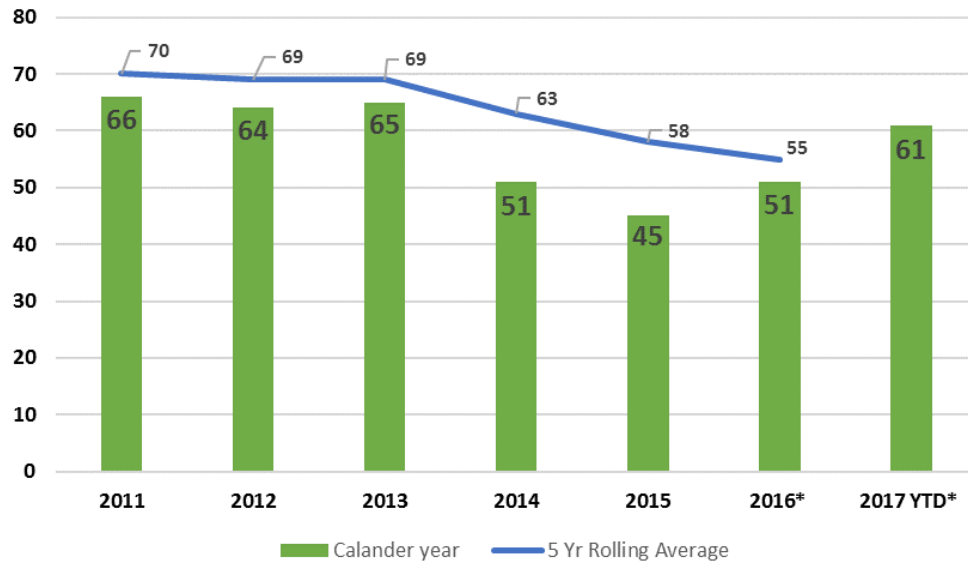
The OHS is responsible for the annual development of the State's Highway Strategic Plan which encompasses 11 safety emphasis areas which include impaired driving, distracted driving, vulnerable road users, young drivers, intersections, speed and aging road users. The plan employs multiple strategies and directed tasks which will save lives and decrease serious injuries and incorporates a coalition of community and safety partnerships.

### FARS Fatalities by Person Type 2011 - 2017

PERSON TYPE	2011	2012	2013	2014	2015	2016 (prelim.)	2017 YTD (prelim.)
Motor Vehicle Occupants	37	49	37	25	28	31	36
Motorcyclists	15	8	11	10	9	4	8
Pedestrians	14	5	14	14	8	14	15
Bicyclists	0	2	3	0	0	2	2
ATV	0	0	0	1	0	0	0
Person on Personal Conveyanc	0	0	0	1	0	0	0
<b>TOTAL</b>	<b>66</b>	<b>64</b>	<b>65</b>	<b>51</b>	<b>45</b>	<b>51</b>	<b>61</b>

as of September 30, 2017

## Traffic Fatalities by Year

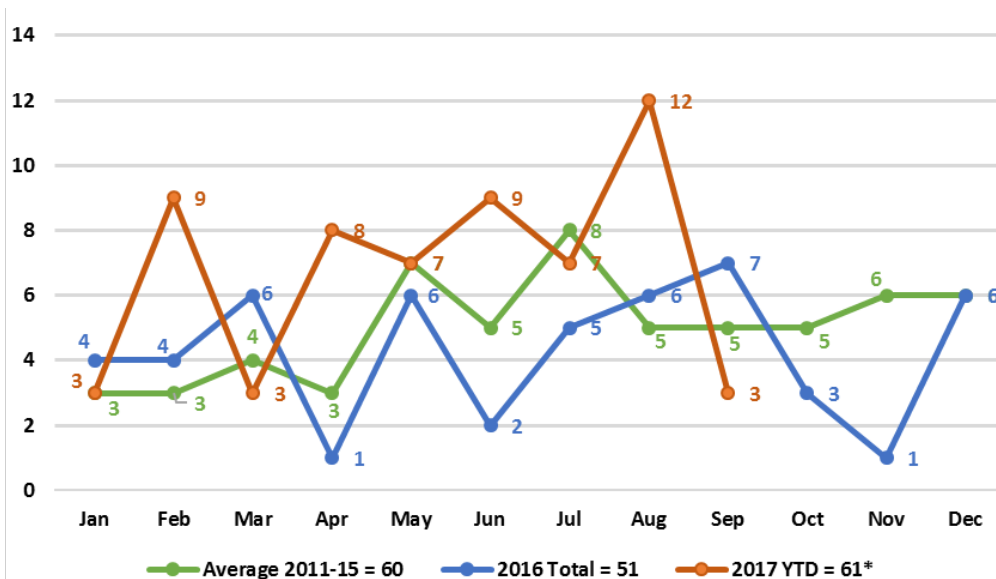


\*2016 and 2017 YTD data is preliminary and subject to adjustment.

Preliminary FARS data showed a nationwide increase in 2016: [www.crashstats.nhtsa.dot.gov/Api/Public/ViewPublication/812332](http://www.crashstats.nhtsa.dot.gov/Api/Public/ViewPublication/812332)



## Traffic Fatalities by Month



\*2016 and 2017 YTD data is preliminary and subject to adjustment.

## Maintenance and Operations

The RIDOT Maintenance Division district facilities and specialized crews continues to perform road patching, drainage structure cleaning and repairs, roadway sweeping, grass mowing, tree trimming and removal, litter cleanup, sign installation and repair, traffic signal maintenance, and bridge maintenance along Rhode Island roadways. During the fourth quarter, RIDOT swept 844 curb miles of roadway, mowed 1,423 miles of grass (mower passes), cleaned 2,860 drainage structures, repaired 203 drainage structures, installed 997 signs (both replacements and new signs), and performed various types of striping including stop bars, yield markings, crosswalks, and parking spaces. Bridge Maintenance staff patched bridge joints and decks, performed concrete chipping, and washed and cleaned bridge surfaces and undersides.

### Federal Fiscal Year 2017 Totals

Road Sweeping	3,585 curb miles
Grass Mowing	4,298 miles (mower passes)
Drainage Structures Cleaned	7,728 structures
Drainage Structures Repaired	389 structures
Signs Installed	3,724 signs

Updating RIDOT's fleet of equipment is an ongoing task for the Maintenance Division. Using new equipment improves the division's efficiency and allows for the roadway infrastructure to be maintained in better condition. Since July, RIDOT has received six new heavy duty plow dump trucks, nine wood chippers, one wire trailer, one platform truck, and four aerial bucket trucks. Equipment currently in production that RIDOT expects to receive in the upcoming quarter include new nine additional heavy duty plow dump trucks, nine mowing tractors, ten truck mounted attenuators, six bridge washing trucks, eleven one-ton dump trucks, and eight road sweepers. Many of these replace aged equipment, some are additions to the fleet. Ongoing fleet procurement will continue over the coming year.

During this past quarter, the RIDOT Maintenance Division issued 35 Physical Alteration Permits (PAPs) for residential and commercial construction impacting the State Highway Right-of-Way (ROW), and issued 282 utility permits for utility construction on State maintained roadways. The RIDOT Maintenance Division staff also checks and inspects all active permit construction work as best they can.

### Permits Issued - Federal Fiscal Year 2017

Physical Alteration Permits (PAPs)	106
Utility Permits	897

Rhode Island is currently in the midst of hurricane season, and the RIDOT Maintenance Division closely monitors weather forecasts to be prepared. With the winter season approaching, the RIDOT Maintenance Division has fully stocked its salt storage facilities and is getting its heavy winter fleet trucks serviced and ready.



# Projects

## Project Performance

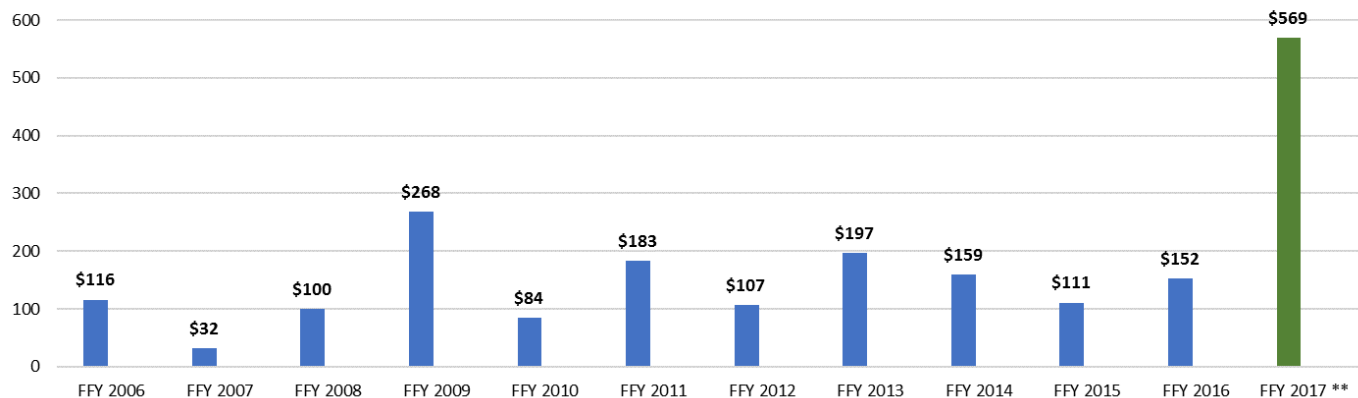
RIDOT is currently tracking 50 capital projects in construction at the end of FFY 2017. Projects progress through RIDOT's project delivery process as follows: first, the project is included in the capital plan; then it goes through a design phase, followed by an advertisement for construction; construction and substantial completion.

The chart below, the on-budget and on-time percentages improve over project classes. Pre-FFY 2015 projects in construction perform the worst, FFY 2015 projects in construction improve substantially, and all but one FFY 2016 projects currently in construction are on time and on budget. All projects in construction for FFY 2017 are on time and on budget.

### Projects On-Time and On-Budget Performance by Class

	On Budget % (by Value)	On Time % (by Value)	Contract Value of projects in construction	On Budget % (by Projects)	On Time % (by Projects)	# of Projects in Construction
Legacy FFY13-14	100%	100%	\$ 29.8	100%	100%	1
Legacy FFY 2015	100%	0%	\$ 13.2	100%	0%	2
FFY16	98%	89%	\$ 140.6	97%	90%	31
FFY17	100%	88%	\$ 35.3	100%	94%	16

Capital Program Actuals FFY 2006-2016  
FFY 2017 Capital Program Engineer's Estimate at Advertisement



\*\*Note – FFY 17 includes advertisement of \$293M from the Capital Program and \$276M from the Route 6/10 Interchange

### FFY17 Construction Program Update:

- Browning Mill Bridge and I-195 Relocation Gano St. Contract 18 have shifted from FFY 2017 to FFY 2018
- Horton Farms Bridge, Pine St. Bridge and I-95 Resurfacing (Rt 2 to Service Ave) have shifted from FFY 18 to FFY 17
- Kingston Station Capacity & Platform Improvements (AMTRAK) – the project was removed from the report as the Departments contribution to this project was a flat \$26.2 million with AMTRAK maintaining responsibility for all overages on schedule and budget.
- Big River shifted from FFY 2017 to FFY 2018
- There are a number of projects that have been removed from the FFY18 list due to various constraints/requirements

## The Route 6/10 Olneyville Project



This project involves the replacement of nine bridge structures that comprise the 6/10 Interchange. Seven of the nine structures are structurally deficient. The project also involves construction of the “missing move” to allow Route 10 north traffic to access Route 6 West without traveling through Olneyville. In addition to state of good repair efforts, the project will include 1.4 miles of bike paths and make more than four new acres of real estate suitable for development.

**Update:** During the fourth quarter, RIDOT continued the procurement process with two interested design-build teams. Both teams developed and submitted their Alternative Technical Concepts (ATCs) and participated in several confidential pre-ATC meetings. RIDOT has reviewed all proposed ATCs and has made final determinations as to which are considered acceptable. RIDOT has been responding

to Requests for Information and issued appropriate addenda in response. The agency continues to coordinate with the City of Providence on the details of the design and the ATC process. In parallel with the procurement effort, RIDOT is participating in the National Environmental Policy Act (NEPA) process. An environmental reevaluation of the previous NEPA Environmental Impact Statement is underway and scheduled to be completed in time to start construction.

## The Route 6/10 Interchange and Interstate Route 95 North Bound Viaduct Project - Providence



Interstate 95 North through the Providence Viaduct is the most congested highway in the State. In December 2016, RIDOT applied for \$59 million in federal FASTLANE funding to support the \$226 million Route 6/10 and Interstate 95 Interchange Project. This proposed project includes the replacement of the Northbound I-95 Providence Viaduct. Rebuilding the interchange, and eliminating weaves, would greatly reduce traffic congestion and significantly improve safety. Four of the six bridges in the interchange that will be replaced are structurally deficient. Five additional structures will be rehabilitated, and there will be three new structures built that do not currently exist today. Lastly, modifications to the Dean Street ramp would eliminate a congested weave and free up 7.3 acres of land.

**Update:** RIDOT is currently preparing an application for a Federal Infrastructure for Rebuilding America (INFRA) grant that would assist in providing a portion of the

\$242 million estimate for this project.

## Providence Intermodal Transit Center



The Providence Station Transit Center Project will locate RIPTA bus hub activities to a new facility adjacent to the Providence Station, in addition to developing a downtown bus operations plan linking proposed transit centers with major employment and activity centers. RIDOT envisions using a Public-Private Partnership (P3) approach to create a larger transit-oriented development project by leveraging private sector involvement.

**Update:** On August 16th, RIDOT received the Request for Qualifications (RFQ) proposals for the Providence Intermodal Transit Center project. One proposal was received from Marsella Development Corporation and team. The RFQ is under review by the Technical Evaluation Committee and a recommendation on prequalification, if applicable, will be made in the month of October.

## Special Projects

### Quonset Air Show/Trains-to-Planes



In 2016, in an effort to relieve traffic congestion along I-95, Route 4, and within the Quonset roadways, RIDOT initiated free train service to and from the Rhode Island National Guard Air Show. Nearly 3,800 people rode the train in 2016, representing close to 7 percent of all Air Show attendees. On May 20th and 21st, 2017 RIDOT held the second annual Trains to Planes free ride event, in coordination with MBTA, Seaview Railroad, the Rhode Island Airport Corporation, and the Quonset Development Corporation. In its second year in 2017, 4,300 people utilized the train service, representing an 13% increase over 2016. Service to/from Wickford Junction was introduced in 2017.

**Update:** In preparation for the 2018 Air Show, a briefing was held this quarter with the Rhode Island National Guard, Massachusetts Bay Transportation Authority (MBTA), Quonset Development Corporation, and Seaview Railroad to review operations and infrastructure improvements made for the 2017 show. Additional preparation meetings will be held and scheduling improvements were developed to provide more convenient times to and from the Providence Station, the TF Green Station, and the Wickford Junction Station.

### Bridge Toll Facilities



A key component of the RhodeWorks infrastructure improvement plan is to assess user fees on tractor trailers to fund the reconstruction of structurally deficient bridges. This will be done by erecting All Electronic Tolling (AET) equipment at these bridge locations. The toll will be set at a level to generate enough revenue to pay for the amount of the bridge reconstruction cost proportionate to the amount of damage tractor trailers have caused.

**Update:** RIDOT has awarded the Toll Facilities Design-Build-Operate-Maintain (DBOM) contract to Kapsch TrafficCom Incorporated for the implementation of the tolling program. This contract includes gantry design and construction, all operational elements, testing and acceptance, and long-term maintenance of the tolling equipment and facilities. The toll system and gantries are currently in design and construction is expected to begin in the upcoming quarter.

### Pawtucket/Central Falls Train Station



In 2007, the City of Pawtucket completed a feasibility study on the restoration of commuter rail service in Pawtucket, with recommendations on station locations.

**Update:** During the fourth quarter, RIDOT received four proposals from design-build teams for the Pawtucket/Central Falls Train Station. Proposals were reviewed by the Technical Evaluation Committee and interview were held with each respondent. RIDOT and Amtrak have begun discussing track infrastructure work. The project team continued to hold meetings with project partners such as Amtrak, Genesee & Wyoming (G&W), and Federal Transit Administration (FTA).

### Providence-Newport Ferry Service



Recognizing the value of Narragansett Bay as both a natural and transportation asset, RIDOT implemented ferry services in 2016 following deliberations of a transit working group which was charged with developing options to increase Rhode Island's transit usage. While exploring many possible designations and landing sites, in an effort to test the market for ferry service, the group recommended a start-up service for the 2016 summer season (July through September) connecting Providence and Newport. RIDOT worked with the Cities of Providence and Newport on landing sites, and closely coordinated its efforts with the Rhode Island Department of Environmental Management (DEM), the Coastal Resources Management Council (CRMC), and the Rhode Island Public Utilities

Commission (DPUC). RIDOT included \$500,000 of Federal funds for FFY 2016 in its Ten-Year Plan to support the service. The Fiscal Year 2017-2025 Transportation Improvement Plan (TIP) includes \$1 million annually for Summer Service, of which ferry service would be eligible.

**Update:** The 2017 ferry service, which ended on October 1, saw another successful season as ridership was up nearly 10,000 riders (30 percent) from 2016. Many took advantage of the extended season from mid-June to October 1. Ridership surveys taken show that 75 percent of the riders were from Rhode Island, 22 percent from out-of-state and 3 percent were international travelers. In addition, through a unique partnership with Amtrak to provide one-stop reservation for train and ferry to Newport, nearly 850 people took advantage of this service. Like in 2016, the 9:30 am and 12:30 pm boats departing Providence and the 5:00 pm boat departing Newport remain the most popular trips this year.



## Resolving Legacy Issues

### US Dept. of Justice Enforcement Action against RIDOT for NPDES Permit Violations



In 2011, the US Environmental Protection Agency (EPA) audited RIDOT for compliance with stormwater pollution controls under the Clean Water Act, which in Rhode Island is administered by DEM. In May 2014, the US Department of Justice (DOJ) notified RIDOT that the EPA had requested that DOJ bring a federal court action against RIDOT for violations of conditions and limitations of its stormwater permit. The violations focused on lack of actions related to the control of pollutants discharged to impaired water bodies, illicit discharge program development (IDDE) and screening, and good housekeeping measures such as inspection/cleaning of catch basins and street sweeping. DOJ offered RIDOT the opportunity to discuss a resolution without the need for formal litigation through execution of a consent decree. When the new RIDOT management arrived in February of 2015, it

completed negotiations of the consent decree, which became effective December 22<sup>nd</sup>, 2015. In response to the EPA audit, DOJ negotiations, and finalized Consent Decree, RIDOT created a new Office of Stormwater Management (OSM) and developed a \$112 million ten-year Stormwater Compliance Implementation Plan.

**Update:** Throughout federal fiscal year 2017, OSM has grown to an office of 11 full-time employees and 2 interns. The office has begun collaborating with numerous municipalities and has fostered relationships with various partners in green infrastructure, environmental councils and in the development of new stormwater technologies and techniques. The office continues in the development of RIDOT's asset management system "Vueworks" and OSM has begun the implementation of "Mobile Vueworks" to provide live data updates from remote field inspections. RIDOT has been awarded two grant awards and recently submitted applications on five additional grants to assist in efforts to improve the maintenance of existing stormwater BMP's and to construct water quality improvements in existing degraded waterbodies.

The office received partial approval for the first of 33 Stormwater Quality Control Plans (SCP). This SCP is for the Lower Woonasquatucket Watershed. RIDOT consultants are working to complete the next 3 SCPs scheduled for completion by the end of December 2017 for the Upper Woonasquatucket, Roger Williams Park Ponds and for Warwick Ponds watersheds. Consultants are also preparing Feasibility Studies for the 4 sub-watersheds in the Lower Woonasquatucket to begin the design and construction of structural treatment units and best management practices identified in the SCP. In July, OSM hired a consultant to develop a Linear Stormwater Design Manual to identify STUs that are pertinent to and suited for linear transportation projects. This manual is scheduled to be completed in March 2018.

The RIDOT Drainage Crew has cleaned and inspected over 7,200 catch basins in FFY 2017, far exceeding the EPA requirements laid out in the Consent Decree. Consultants have current work orders in place to complete this project on time. The office has developed a Master Price Agreement (MPA) to begin the process of repairing the drainage structures identified as deficient during the inspections of the State drainage system. The office continues to provide project review assistance department wide and has stepped up efforts to improve RIDOT's MS4 compliance requirements on construction projects.

# Financials

Actual operating expenditures totaled \$108 million in SFY17, \$34 million in Q1 SFY18, and \$34 million YTD for SFY18.

### Operating Expenditures Detail (Actuals)

(In Thousands)	SFY17	SFY18Q1	FY18 YTD
<b><u>Administrative</u></b>			
In-house Labor	\$ 25,331	\$ 7,939	\$ 7,939
Overhead Recovery	\$ (13,022)	\$ (3,608)	\$ (3,608)
Consultant Contracts	\$ 1,221	\$ 116	\$ 116
Miscellaneous (Admin)	\$ 986	\$ 307	\$ 307
Pass Throughs	\$ 695	\$ 720	\$ 720
<b>Total Administrative</b>	<b>\$ 15,211</b>	<b>\$ 5,474</b>	<b>\$ 5,474</b>
<b><u>Highway Maintenance**</u></b>			
In-house Labor	\$ 25,553	\$ 8,152	\$ 8,152
Overhead Costs	\$ 1,777	\$ 492	\$ 492
Consultant Contracts	\$ 14,230	\$ 5,413	\$ 5,413
Construction Contracts	\$ 6,100	\$ 692	\$ 692
Miscellaneous (Highway Maint.)	\$ 11,856	\$ 6,739	\$ 6,739
Pass Throughs	\$ 1,901	\$ 860	\$ 860
<b>Total Highway Maintenance</b>	<b>\$ 61,417</b>	<b>\$ 22,348</b>	<b>\$ 22,348</b>
<b><u>Safety</u></b>			
In-house Labor	\$ 439	\$ 126	\$ 126
Overhead Costs	\$ 207	\$ 64	\$ 64
Consultant Contracts	\$ 1,209	\$ 24	\$ 24
Miscellaneous (Safety)	\$ 266	\$ 22	\$ 22
Pass Throughs	\$ 3,206	\$ 651	\$ 651
<b>Total Safety</b>	<b>\$ 5,327</b>	<b>\$ 887</b>	<b>\$ 887</b>
<b><u>Transit Operations</u></b>			
Transit Operations	\$ 6,715	\$ 2,245	\$ 2,245
<b>Total Transit Operations</b>	<b>\$ 6,715</b>	<b>\$ 2,245</b>	<b>\$ 2,245</b>
<b><u>Winter Operations</u></b>			
In-house Labor	\$ 1,540		\$ -
Miscellaneous (Winter)	\$ 12,901	\$ 214	\$ 214
<b>Total Winter Operations</b>	<b>\$ 14,441</b>	<b>\$ 214</b>	<b>\$ 214</b>
<b><u>Emergency Repair Projects***</u></b>			
In-house Labor	\$ 365	\$ 238	\$ 238
Overhead Costs	\$ 39		\$ -
Consultant Contracts	\$ 542	\$ 268	\$ 268
Construction Contracts	\$ 3,218	\$ 1,738	\$ 1,738
Miscellaneous (Emergency)	\$ 185	\$ 186	\$ 186
<b>Total Emergency Repair Project</b>	<b>\$ 4,349</b>	<b>\$ 2,430</b>	<b>\$ 2,430</b>
<b>Total Operating Expenditures</b>	<b>\$ 107,460</b>	<b>\$ 33,598</b>	<b>\$ 33,598</b>

\*Expenditures derived from RIDOT's Oracle Financial Management System

\*\*Includes bridge inspection, striping, crack sealing and chip sealing

\*\*\*Expenditures directly related to emergency projects were not tracked separately until the 3rd Qtr of SFY16. Prior to that the expenditures for emergency projects were reported within the capital projects section.



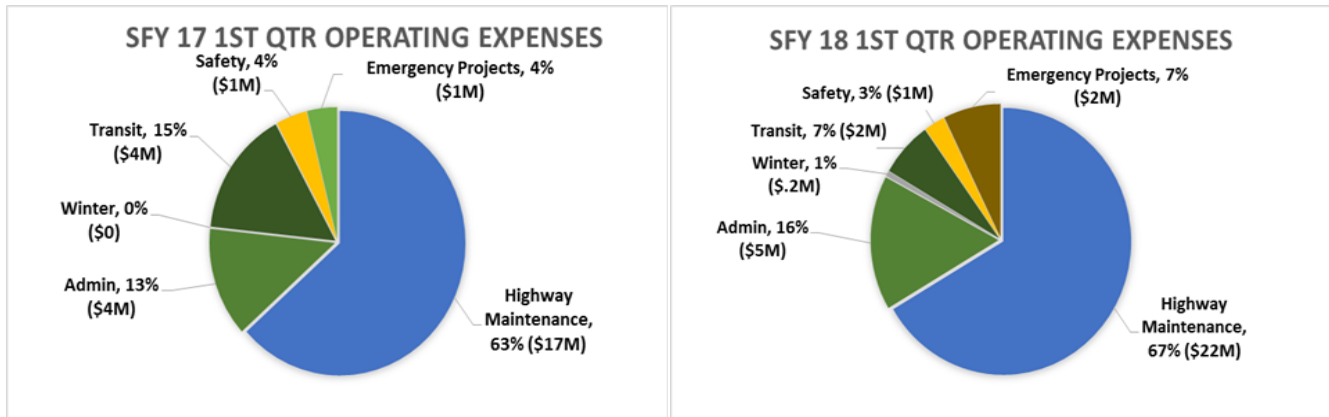
## Expenditures

Actual capital expenditures totaled \$285 million in SFY17, \$77 million in Q1 SFY18, and \$77 million YTD for SFY18.

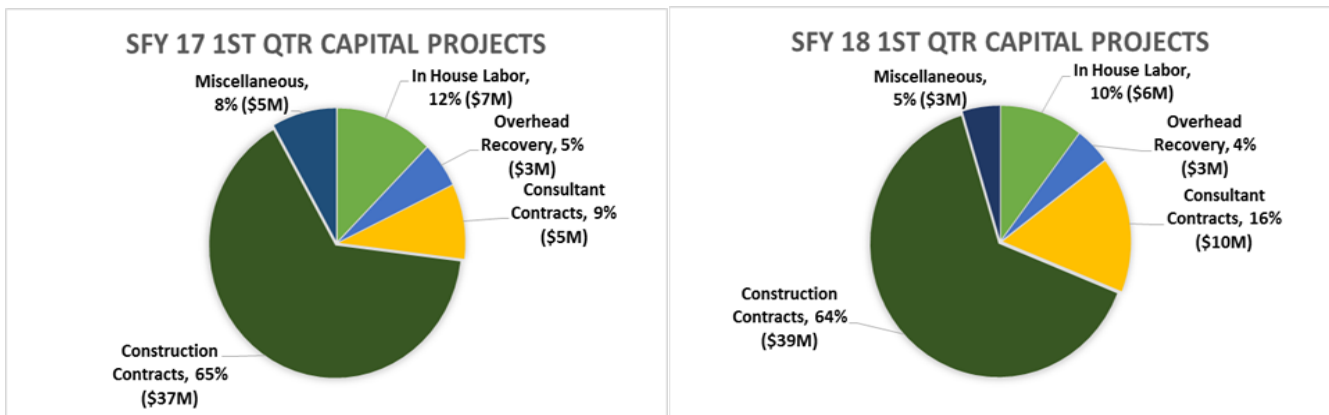
### Capital Expenditures Detail (Actuals)

(In Thousands)	SFY17	SFY18Q1	FY18 YTD
<b><u>Debt</u></b>			
Debt	\$ 59,657	\$ 11,399	\$ 11,399
<b>Total Debt Service</b>	<b>\$ 59,657</b>	<b>\$ 11,399</b>	<b>\$ 11,399</b>
<b><u>Planning</u></b>			
In House Labor	\$ 2,777	\$ 833	\$ 833
Overhead Recovery	\$ 1,322	\$ 393	\$ 393
Consultant Contracts	\$ 1,084	\$ 203	\$ 203
Miscellaneous (Planning)	\$ 379	\$ 262	\$ 262
<b>Total Planning</b>	<b>\$ 5,562</b>	<b>\$ 1,691</b>	<b>\$ 1,691</b>
<b><u>Capital Projects</u></b>			
In House Labor	\$ 23,337	\$ 6,305	\$ 6,305
Overhead Recovery	\$ 9,677	\$ 2,659	\$ 2,659
Consultant Contracts	\$ 31,039	\$ 9,954	\$ 9,954
Construction Contracts	\$ 119,183	\$ 39,090	\$ 39,090
Miscellaneous (Capital Projects)	\$ 17,964	\$ 2,858	\$ 2,858
<b>Total Capital Projects</b>	<b>\$ 201,200</b>	<b>\$ 60,866</b>	<b>\$ 60,866</b>
<b><u>Capital Pass Throughs</u></b>			
Pass Throughs	\$ 18,581	\$ 2,726	\$ 2,726
<b>Total Capital Pass Throughs</b>	<b>\$ 18,581</b>	<b>\$ 2,726</b>	<b>\$ 2,726</b>
<b>Total Capital Expenditures</b>	<b>\$ 285,000</b>	<b>\$ 76,682</b>	<b>\$ 76,682</b>
<b>Total RIDOT Expenditures</b>	<b>\$ 392,460</b>	<b>\$ 110,280</b>	<b>\$ 110,280</b>

**OPERATING EXPENDITURES:** Operating expenditures are costs associated with the day-to-day operations of RIDOT. These costs include Highway Maintenance, Safety Programs, Administrative Expenses, Winter Operations, and Commuter Rail expenses.

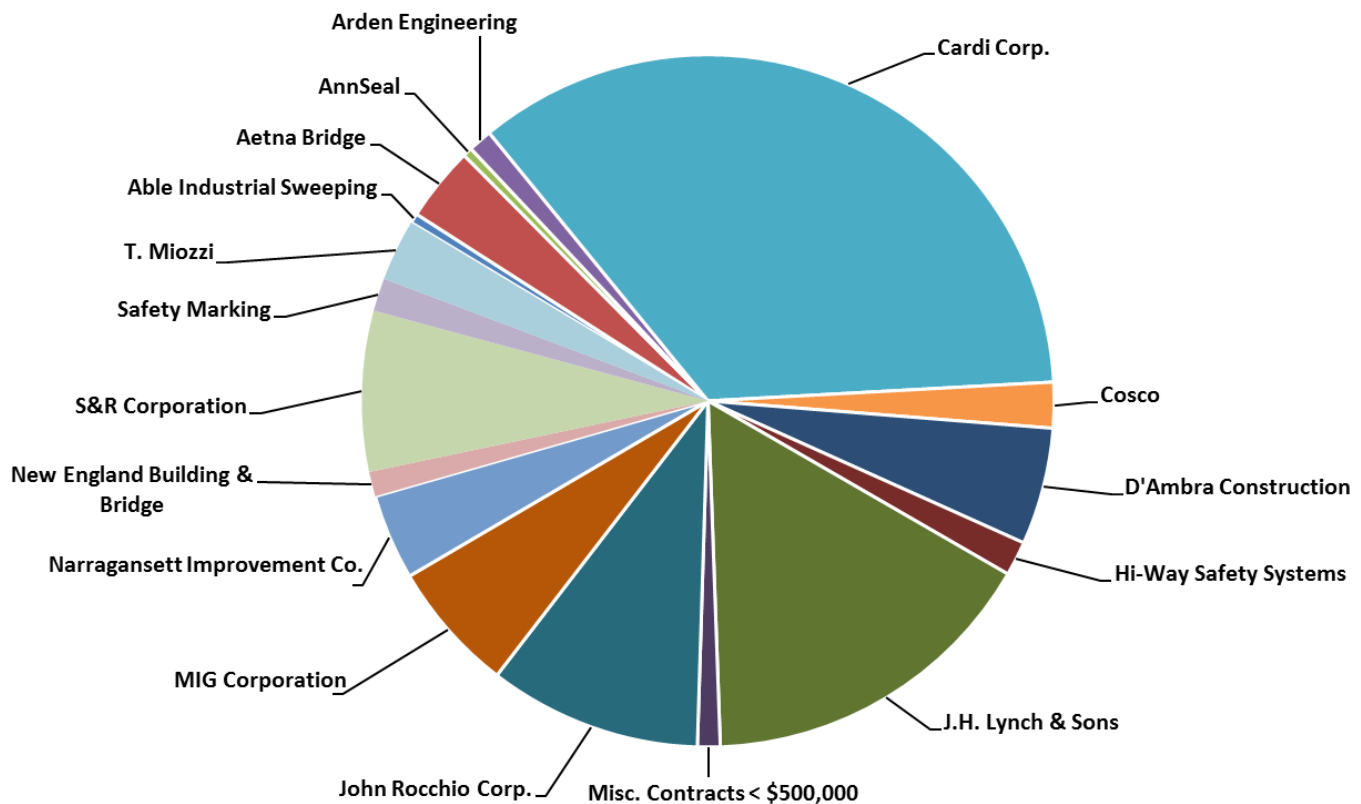


**CAPITAL EXPENDITURES:** Capital expenditures include design, construction and oversight costs associated with capital projects, expenditures to plan capital projects and debt service on capital debt. Some operating expenditures associated with RIDOT overhead are also billed to capital projects. Capital costs other than those allocated to the construction contracts are considered “soft costs.” RIDOT’s 10 Year Plan calls for the reduction of soft costs over time to bring this portion of capital expenditures down to industry standards through the implementation of project management.



## Construction Contract Award

### FFY 2017 YTD (October 2016 - September 2017)



Contractor	No. of Contracts	Total Value Awarded (In Millions)
Able Industrial Sweeping	1	\$0.578
Aetna Bridge	7	\$4.364
AnnSeal	1	\$0.544
Arden Engineering	1	\$1.397
Cardi Corp.	14	\$43.877
Cosco	2	\$2.666
D'Ambra Construction	2	\$6.849
Hi-Way Safety Systems	1	\$2.011
J.H. Lynch & Sons	8	\$20.171
John Rocchio Corp.	4	\$12.459
MIG Corporation	1	\$7.664
Narragansett Improvement Co.	3	\$5.014
New England Building & Bridge	2	\$1.442
S&R Corporation	1	\$9.382
Safety Marking	1	\$1.929
T. Miozzi	2	\$3.599
Misc. Contracts < \$500,000	5	\$1.327
<b>Totals</b>	<b>56</b>	<b>\$125.274</b>

**Total Payments to DBEs on  
Projects Finalized**
**October 2016 - September 2017**

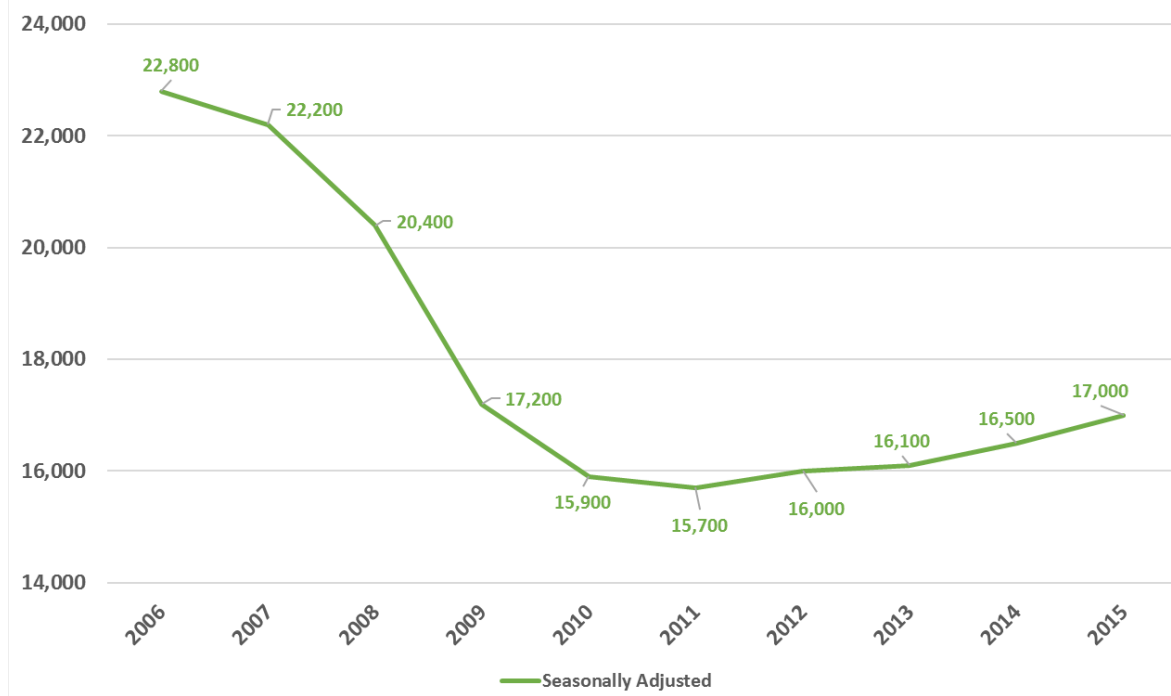
Sub-Contractor	Approved Value
3D Construction, LLC	\$ 38,205
Annseal	\$ 184,533
Cosco, Inc.	\$ 4,309,626
DEMCO, LLC	\$ 21,748
Dynamic Scheduling Solutions, Inc.	\$ 25,713
Equality Construction Works, Inc.	\$ 765,219
F. C. Construction Corporation	\$ 73,676
HB Welding, Inc.	\$ 125,544
IDS Highway Safety, Inc.	\$ 405,856
Lucena Bros., Inc.	\$ 160,281
Mathews Bros., Inc.	\$ 13,809
M-O-N Landscaping, Inc.	\$ 1,698,033
Ravin Steel, Inc.	\$ 306,690
Rhode Island Rebar, Inc.	\$ 32,625
Seacoast Asphalt Services, Inc.	\$ 399,046
Site Tech Corporation	\$ 80,803
T & T Steel Erectors, Inc.	\$ 29,700
Wallace Construction Corp.	\$ 510,351
William Anthony (Prime & Sub)	\$ 963,903
Wood & Wire Fence Company, Inc.	\$ 7,013
<b>Totals</b>	<b>\$ 10,152,373</b>

**Approved Value DBE Sub-Contracts New Projects**
**October 2016 - September 2017**

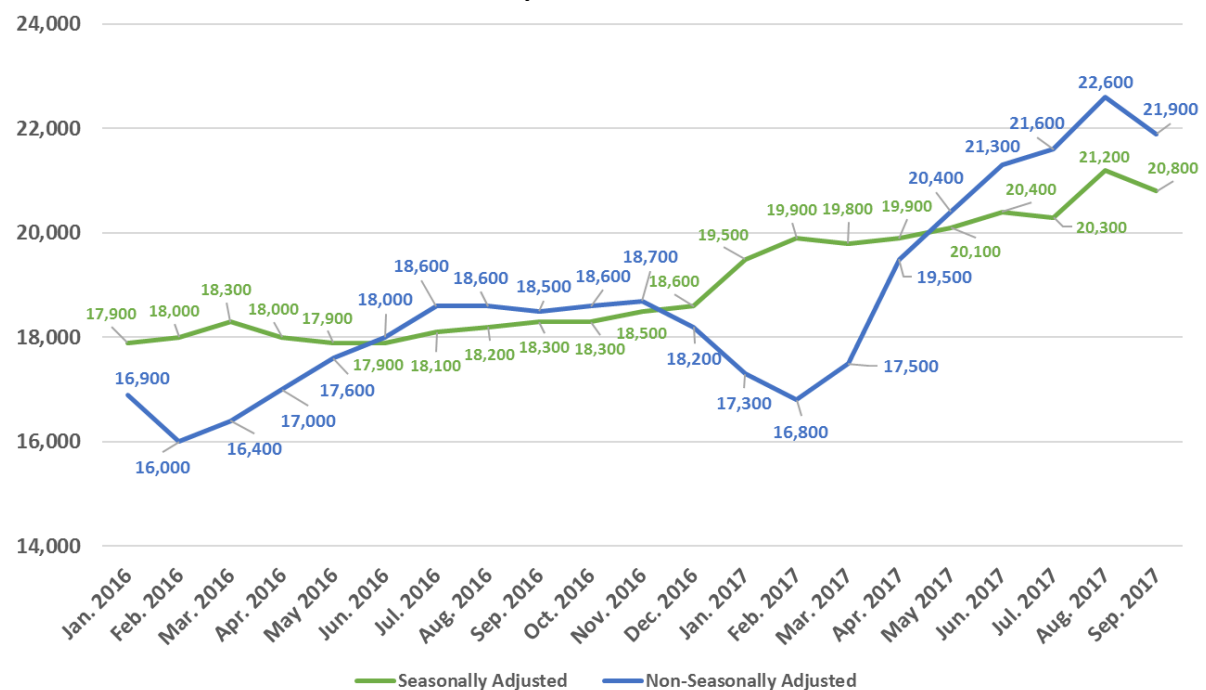
Sub-Contractor	Approved Value
Angel Trucking, Inc.	\$ 25,000
Bella Transport, Inc.	\$ 25,000
Cobble Hill Landscaping & Construction, Inc.	\$ 45,745
Cosco, Inc.	\$ 2,322,669
DEMCO, LLC	\$ 981,128
Dynamic Scheduling Solutions, Inc.	\$ 64,688
Equality Construction Works, Inc.	\$ 513,428
F. C. Construction Corporation	\$ 516,023
IDS Highway Safety, Inc.	\$ 2,359,170
K. Daponte Construction Corporation	\$ 1,064,246
Lucena Bros., Inc.	\$ 249,184
M-O-N Landscaping, Inc.	\$ 517,654
New England Highway Technologies, LLC	\$ 76,179
R. T. Nunes & Sons Inc.	\$ 25,000
Seacoast Asphalt Services, Inc.	\$ 199,500
Strategic Environmental Services, Inc.	\$ 137,482
Touisset Custom Concrete, LLC	\$ 6,600
Truax Corporation	\$ 3,738
VN Engineers, Inc.	\$ 25,000
<b>Totals</b>	<b>\$ 9,157,433</b>

# Appendices

## Rhode Island Construction Sector Employment 2006 - 2015

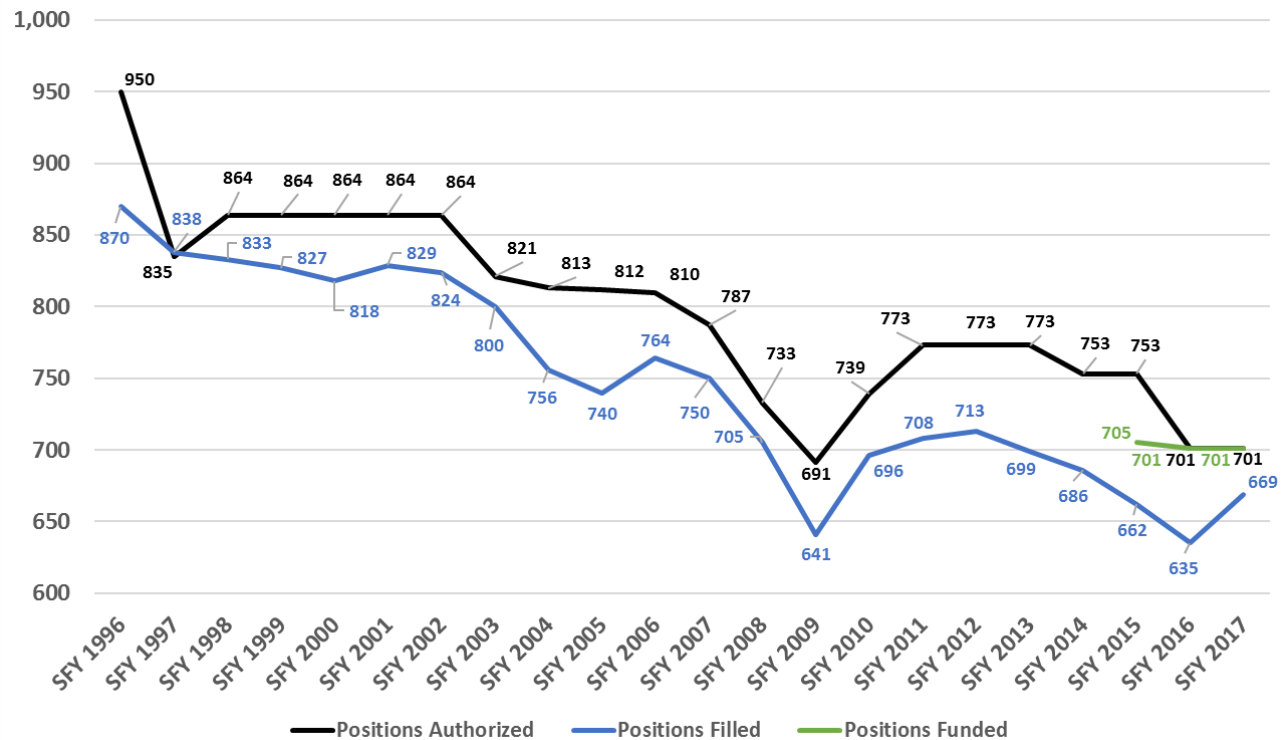


## Rhode Island Construction Sector Employment January 2016 - Present

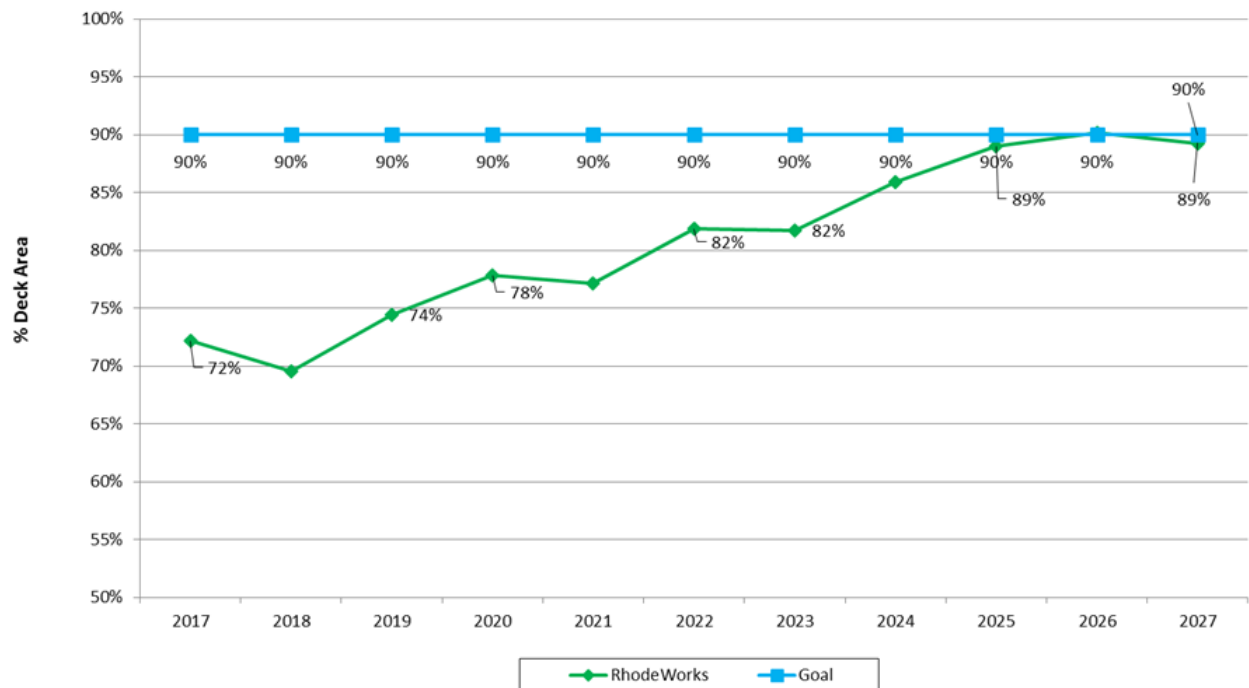


## Annual Data

### RIDOT Full-Time Equivalent Positions SFY 1996 – SFY 2017



### RHODEWORKS SUFFICIENT DECK AREA- ALL BRIDGES TEN YEAR RHODEWORKS FFY Q4 2017



\* This chart assumes that all the requirements will be complete for the Program to start in the year 2016.

\* Projections based on current approved TIP

## FFY 17 Capital Program

PTS ID	Project	Target Advertise Date	Actual Advertised Date	Target Engineer's Estimate (in millions)	Actual Engineer's Estimate at Advertisement (in millions)
<b>FFY17</b>					
0166H	Route 4 Improvements, C-2	Oct-16	10/14/16	\$ 5.50	\$ 6.47
0007C	East Main Road 1R Improvements	Dec-16	12/30/16	\$ 5.40	\$ 5.75
0061K	Rt. 44 & Rt. 100 Intersection Improvements & Chepachet River Bridge	Jan-17	1/4/17	\$ 1.46	\$ 1.41
0025J	High Friction Surface Treatments 2016	Jan-17	1/27/17	\$ 0.80	\$ 0.42
0081W	Route 146 Improvements	Feb-17	2/22/17	\$ 10.00	\$ 7.46
0073J	Statewide Pavement Striping Eastbay 17-18	Feb-17	2/28/17	\$ 10.00	\$ 1.94
0073M	2017-2018 Statewide Pavement Striping - North	Feb-17	2/28/17	\$ 10.00	\$ 1.82
0072J	Traffic Signal Optimization, C-3, 2016	Feb-17	2/22/17	\$ 1.00	\$ 1.19
0166M	High Street/Kingstown Road Stormwater Mitigation	Mar-17	3/24/17	\$ 0.40	\$ 0.21
0084C	2017 Crack Sealing - Limited Access	Apr-17	4/30/17	\$ 0.70	\$ 0.67
0114S	Cumberland I-295 Corridor Bridges (37T - I)	Apr-17	4/30/17	\$ 6.00	\$ 12.50
0084B	2017 Crack Sealing - North and East Regions	Apr-17	4/30/17	\$ 0.70	\$ 0.67
0084A	2017 Crack Sealing South and Central Regions	Apr-17	4/28/17	\$ 0.70	\$ 0.70
0086Y	2017 Paver Placed Elastomeric Surface Treatment	Apr-17	4/28/17	\$ 1.60	\$ 1.61
0086X	2017 Rubberized Asphalt Chip Sealing	Apr-17	4/28/17	\$ 2.10	\$ 2.06
0114K	Wood River Valley Bridge No. 404, I-95 N&S (7T-A)	Apr-17	4/30/17	\$ 6.80	\$ 6.75
0170C	Baker Pines Bridge	May-17	5/31/17	\$ 5.00	\$ 7.53
0025E	Coventry - Local Safety Improvements	May-17	5/31/17	\$ 0.30	\$ 0.25
0201V	I-95 Corridor Preservation-Bridge Washing	May-17	5/31/17	\$ 3.40	\$ 5.54
0081R	Route 24 Improvements	Jun-17	6/23/17	\$ 6.00	\$ 5.81
0021U	Blackstone Bikeway 8C	Jun-17	6/7/17	\$ 2.80	\$ 3.23
0082C	I-95 Resurfacing, C-2 (Pawtucket)	Jul-17	7/28/17	\$ 3.00	\$ 2.17
0173S	Snell Road Improvements	Jul-17	7/26/17	\$ 0.80	\$ 0.91
0168H	Hope Valley Bridges (69D)	Jul-17	7/27/17	\$ 4.00	\$ 2.27
0088A	I-95 Resurfacing, Rt. 2 to Service Avenue	Jul-17	7/27/17	\$ 7.73	\$ 7.73
0025F	Cranston - Local Safety Improvements	Aug-17	8/31/17	\$ 0.30	\$ 0.36
0114N	Oxford Street Bridge	Aug-17	8/23/17	\$ 4.00	\$ 4.57
0025P	Safety Corridor Improvements - Statewide Road Diet Install 2017	Aug-17	8/29/17	\$ 0.54	\$ 0.55
0168C	Victory Highway Bridge (589)	Aug-17	7/26/17	\$ 7.50	\$ 16.90
0165V	Woodville Road Improvements	Aug-17	8/16/17	\$ 3.50	\$ 4.24
0081K	Pavement Preservation Rt. 1A Newport Avenue Cranston	Sep-17	9/26/17	\$ 3.26	\$ 3.26
0011D	Safety Improvements - Newport, Warwick, Johnston	Sep-17	9/27/17	\$ 0.93	\$ 0.87
0016J	Pine Street Bridge (548)	Sep-17	9/20/17	\$ 4.80	\$ 8.80
0143W	Horton Farm Bridge No. 472	Sep-17	9/29/17	\$ 10.50	\$ 16.15
0013M	I-195 Corridor Bridges (77)	Sep-17	9/29/17	\$ 10.80	\$ 20.11
0114P	I-95 North and South Bridges at Toll Gate Rd	Sep-17	9/29/17	\$ 15.00	\$ 23.94
0173U	1R Improvements to Winsor Ave - Johnston & Scituate	Sep-17	9/29/17	\$ 1.22	\$ 1.20
0073Z	Intersection Safety Improvements to Rte. 108	Sep-17	9/22/17	\$ 0.59	\$ 0.59
0081D	Improvements to US Route 1 (South Kingstown)	Sep-17	9/22/17	\$ 5.75	\$ 5.34
0071Q	Aquidneck Avenue Improvements - Middletown	Sep-17	9/29/17	\$ 0.90	\$ 1.44
0114L	Central RI Bridges - Group 12 (34 Bridges)	Sep-17	9/29/17	\$ 14.50	\$ 5.87
0114T	I-295 Bridges Contract 1	Sep-17	9/22/17	\$ 12.00	\$ 19.18
0114U	I-295 Bridges Contract 2	Sep-17	9/22/17	\$ 20.00	\$ 38.01
0153T	Diamond Hill Road Improvements	Sep-17	9/15/17	\$ 0.90	\$ 1.41
0114R	I-95 Corridor Bridges Nos. 56101, 56121, 56201, 56221	Sep-17	9/29/17	\$ 7.00	\$ 17.25
0013L	Route 146 Corridor Bridges (38)	Sep-17	9/27/17	\$ 9.40	\$ 9.53
0014F	Simmonsville Bridge No. 326 (Gr. 57C)	Sep-17	9/29/17	\$ 0.50	\$ 2.03
0173Z	US Route 6 Hartford Ave	Sep-17	9/8/17	\$ 6.00	\$ 4.27
				<b>\$ 236.08</b>	<b>\$ 292.92</b>



## Annual Data

In order to accomplish RIDOT's goal of meeting 90% bridge sufficiency by 2025, RIDOT has outlined a schedule for advertising new bridge preservation and reconstruction contracts for award over the next decade. In its first year of the plan, RIDOT successfully advertised 32 bridge repair and preservation contracts. During FFY 2017 RIDOT more than doubled its bridge efforts illustrating its commitment to providing a transportation infrastructure that is in a state of good repair.

Bridge Work					
FFY	Bridges Scheduled to be Advertised in the FFY		Bridge Contracts Advertised by the end of the FFY		
	Preservation	Repair/Replace	Preservation	Repair/Replace	Total
2016	2	24	2	30	32
2017	32	53	39	29	68
<b>Totals</b>	<b>34</b>	<b>77</b>	<b>41</b>	<b>59</b>	<b>100</b>

NOTE: Some contracts include more than one bridge

## Date Conventions:

**CY:** Calendar Year (January 1 – December 31)

**FFY:** Federal Fiscal Year (October 1 – September 30)

**SFY:** State Fiscal Year (July 1 – June 30)

**Safety** Information is collected and reported on a calendar year (**CY**) basis

**Financial** Information is reported on a State Fiscal Year (**SFY**) basis

All other information is reported on a Federal Fiscal Year (**FFY**) basis

## Technical Definitions:

**Emergency Awards:** The Department occasionally faces the need for urgent response to certain situations. As defined by State Purchasing Regulations (9.6.2), an emergency is defined as follows: “An emergency shall mean a situation to which an urgent response is required. Immediate dangers to health and safety, threats to property and necessary functions, and failures of critical equipment constitute emergencies”

**Advertise:** The date of the public notice of the invitation for bids or request for proposals, typically posted on the State Purchasing’s website

**At NTP:** Notice to Proceed occurs when a Purchase Order is provided by the Owner to the Contractor authorizing work to begin

**Substantial Completion:** Substantial completion is reached when the work is completed so it can be safely and effectively used by the public. This may include the entire Project or a unit, or portion of the work such as a structure, an interchange, or section of road or pavement

**Final Completion:** Final completion is reached when all contract work is completed, including punchlist work, and all certifications have been received by the Department

**LTD:** Life to Date

**Change Orders:** A written order to the Contractor covering contingencies, extra work, increases or decreases in contract quantities, and additions or alterations to the plans or specifications within the scope of the contract, and establishing the basis of payment and time adjustments for the work affected by said change

## Industry Definitions:

**NHTSA:** National Highway Traffic and Safety Administration

**OHS:** Office of Highway Safety

**FARS:** The Fatality Analysis Reporting System is a nationwide census providing NHTSA, Congress and the American public yearly data regarding fatal injuries suffered in motor vehicle traffic crashes

**Pass throughs:** Capital pass through expenditures are costs that are not directly related to capital projects but instead passed on to other entities such as other State agencies or local cities and towns for capital related costs

**CMAQ:** Congestion Mitigation and Air Quality

**NBI:** National Bridge Inventory; the Federal Highway Administration identifies bridges that are greater than 20ft and used for vehicular traffic.

**NHS:** National Highway System is a network of strategic highways with the US, including the Interstate Highway System and other roads service major airports, ports, rail or truck terminals, railway stations, pipeline terminals and other strategic transport facilities.

# RIDOT System Quick Facts



**1,173**

Bridges (5+ feet) as of 9/30/17



More than

**2,900**

Lane miles of road



**5** rail stations

**18** park and rides



**104,000**

Traffic devices



**25,000**

Catch basins (approximate)



**672**

Total employees

(as of 9/30/17)