

ALLAN W. FUNG
MAYOR



Kenneth R. Mason P.E.
Director of Public Works

DEPARTMENT OF PUBLIC WORKS
CITY HALL, ROOM 109
869 PARK AVENUE
CRANSTON, RHODE ISLAND 02910

August 10, 2017

Statewide Planning Council
Attn: Michael D'Alessandro
One Capitol Hill
Providence, RI 02908

RE: City of Cranston STIP application

Dear Mr. D'Alessandro:

Please find enclosed, the Transportation Improvement Program Project Prioritization Cover Sheet and New Project Applications for the City of Cranston.

If there are any questions concerning the applications, please feel free to contact me directly at 780-3175.

Sincerely,

A handwritten signature in blue ink, appearing to read 'K. Mason', with a long horizontal flourish extending to the right.

Kenneth R. Mason PE

Director of Public Works

FFY 18-27 STIP Application Cover Sheet



Cranston

Please complete this form and the project prioritization sheets on the following pages.

Contact Information

CONTACT

Applicant Name: Kenneth R. Mason
Contact Person (if different): _____ Title: Director of Public Works
Mailing Address: 869 Park Avenue
City: Cranston Zip Code: 02910
Phone: 401-780-3175 Email: kmason@cranstonri.org

Applicant Certification

CERTIFICATION

 08/11/2017
Contact Person Signature Date

Submittal Checklist

CHECKLIST

- 3 collated copies of complete STIP submittal package, including:
 - Project Prioritization cover sheet
 - New Project Application Form for each new or updated project
 - 2-page narrative on evaluation criteria
 - 8.5" x 11" PDF map of project location
- Email a copy of complete STIP submittal package to Michael.DAlessandro@doa.ri.gov or provide on a CD
- Submit complete STIP submittal package to:

Rhode Island Statewide Planning Program
ATTN: Michael D'Alessandro
One Capitol Hill
Providence, RI 02908

ALL APPLICATIONS ARE DUE BY 3:00PM ON FRIDAY AUGUST 11, 2017

Project Prioritization

Cranston



Priority	Earliest Funded Year RIDOT/RIPTA 18-27 Ten Year Plan	Project Name	STIP ID	Bridge Group
	2024	I-295 (I-95 to Rt 5)	1274	Non-Bridge
	2024	Rt 10 (US-6 to Park Ave)	1285	Non-Bridge
High	2018	Rt 2, Reservoir Ave (Sockanosset Cross Rd to Rt 12)	1314	Non-Bridge
	2024	Rt 12, Scituate Ave (Pippen Orchard Rd to Rt 51)	1315	Non-Bridge
High	2021	Rt 2, Bald Hill Rd and New London Ave (West Natick Ave to Rt 37)	1411	Non-Bridge
	2019	Rt 5, Lambert Lind Hwy (Mayfield Ave to I-95)	1415	Non-Bridge
High	2018	Intersection Safety Improvements - Park Avenue Intersections Cranston - Pedestrian Improvements and Left Turn Lanes	1506	Non-Bridge
	2020	RISTARS - Localized Bottleneck Improvements to I-295 Northbound Cranston	1531	Non-Bridge
	2020	RISTARS - Localized Bottleneck Improvements to I-295 Southbound Cranston	1532	Non-Bridge
	2021	Arterial Traffic Signal Improvements - Warwick Ave	1537	Non-Bridge
High	2018	Safe Routes to School Infrastructure Improvements for Western Hills Middle School	5021	Non-Bridge
High	2020	Oaklawn Avenue/Wilbur Avenue Drainage Project	5024	Non-Bridge
	2022	Washington Secondary Bike Path Extension	5215	Non-Bridge
	2022	Huntington Viaduct, RI 10 Huntington Exp at I-95 NB & SB, & Amtrak	6054	Bridge Group 04
	2022	Pawtuxet River Bridge, I-95 NB & SB at Pawtuxet River	6055	Bridge Group 04
	2022	Ramp B-EL, I-95 at Wellington Ave & Amtrak	6056	Bridge Group 04
	2022	Ramp FCB, I-95 at Wellington Ave & Amtrak	6057	Bridge Group 04
	2018	Aqueduct SB, I-295 SB over water supply aqueduct	6058	Bridge Group 34T
	2020	Cranston Park at I-295 SB	6059	Bridge Group 51B
	2018	Meshanticut Brk Clvt 2 S, I-295 SB at Meshanticut Brook	6060	Bridge Group 09
	2018	Meshanticut Brook Culvert 4 NB, I-295 NB at Meshanticut Brook	6061	Bridge Group 09
	2018	Phenix Ave WB Bridge over I-295 SB	6062	Bridge Group 09
	2018	Plainfield Pike NB, I-295 NB at Rt 14 Plainfield Pike	6063	Bridge Group 34T
	2020	Cranston Street at RI 37	6064	Bridge Group 51B

Project Prioritization

Cranston



Priority	Earliest Funded Year RIDOT/RIPTA 18-27 Ten Year Plan	Project Name	STIP ID	Bridge Group
	2020	Glenhills Drive Bridge at RI 37 EB & WB	6065	Bridge Group 51B
	2018	Mashapaug Bridge, RI 2 Reservoir Ave at RI 10 Huntington Express	6066	Bridge Group 12
	2018	Meshanticut Bridge, RI 2 Mesh Int at RI 5 Oaklawn Ave	6067	Bridge Group 12
	2018	Meshanticut Viaduct, RI 2 Mesh Int at RI 5 Oaklawn Ave & Lane C	6068	Bridge Group 12
	2018	Moons Cut Bridge, RI 33 Providence St at Meshanticut Brook	6069	Bridge Group 12
	2018	Moons Cut RR Bridge, RI 33 Providence St at Washington Secondary Bike Path	6070	Bridge Group 12
	2018	New London Ave, Lane H, Mesh Interchange Lane A	6071	Bridge Group 12
	2018	Reservoir Ave Bridge, RI 2 New London Ave at Mesh Interchange Lane B	6072	Bridge Group 12
	2018	Warwick Ave Bridge at Pawtuxet River	6073	Bridge Group 12
	2022	Arrow Lakes Bridge, RI 12 Scituate Ave at brook	6074	Bridge Group 22
	2022	Canam Bridge, RI 12 Scituate Ave at Meshanticut Brook	6075	Bridge Group 22
	2022	Cranston Street Viaduct RU 10 Huntington Exp at Cranston St, SR-3, Amtrak	6076	Bridge Group 22
	2022	Elm Lake Brook Bridge, RI 12 Park Ave at Elm Lake Brook	6077	Bridge Group 22
	2022	Elmwood Ave Bridge at Pawtuxet River	6078	Bridge Group 22
	2022	Furnace Hill Brook Bridge, Natick Ave at Furnace Hill Brook	6079	Bridge Group 22
	2022	Gansett Ave Bridge at Washington Secondary Bike Path	6080	Bridge Group 22
	2022	Garden City Drive Bridge at Pocasset River	6081	Bridge Group 22
	2022	Haven Street Bridge at Pocasset River	6082	Bridge Group 22
	2022	Knight Bridge, Pippin Orchard Rd at Furnace Hill Brook	6083	Bridge Group 22
	2022	Locust Brook Bridge, RI 14 Plainfield Pike at Locust Brook	6084	Bridge Group 22
	2022	Louis Bridge, Pippin Orchard Road at Furnace Hill Brook	6085	Bridge Group 22
	2020	Meshanticut Brook Culvert 6, Ramps E-S, E-N, S-E at Meshanticut Brook	6086	Bridge Group 51B
	2022	Park Ave East, RI 10 North, Ramp Lane	6087	Bridge Group 22
	2022	Pawtuxet Bridge, US 1A Broad St at Pawtuxet River	6088	Bridge Group 22

Project Prioritization

Cranston



Priority	Earliest Funded Year RIDOT/RIPTA 18-27 Ten Year Plan	Project Name	STIP ID	Bridge Group
	2022	Phenix Ave Bridge at Furnace Hill Brook	6089	Bridge Group 22
	2022	Pontiac Ave Bridge at Pocasset River	6090	Bridge Group 22
	2022	Pontiac Ave Bridge at RI 10 Huntigton Expressway	6091	Bridge Group 22
	2022	Pontiac Ave RR Bridge	6092	Bridge Group 22
	2022	Skeleton Valley Ped UP, RI 12 Scituate Ave Pedestrian Underpass	6093	Bridge Group 22
	2019	Huntington North Bridge, RI 10 BC at I-95 NB & SB	6094	Bridge Group 32
	2019	Huntington South Bridge, RI 10 DB at I-95 NB & SB	6095	Bridge Group 32
	2019	Wellington Ave Bridge, I-95 NB & SB at Wellington Ave	6096	Bridge Group 32
	2018	Aqueduct NB, I-295 NB at water supply aqueduct	6097	Bridge Group 34T
	2021	Lawton Bridge, RI 12 Scituate Ave at I-295 NB	6098	Bridge Group 34
	2021	Phenix Ave EB, RI 51 Phenix Ave at I-295 NB	6099	Bridge Group 34
	2025	Budlong Bridge, Dyer Avenue at Pocasset River	6273	Bridge Group 41
	2025	Dean St RR Bridge at Washington Secondary Bike Path	6274	Bridge Group 41
	2025	Furnace Hill Road Bridge at Furnace Hill Brook	6275	Bridge Group 41
	2025	Hillside Farms Bridge, Kimberly Lane at Furnace Hill Brook	6276	Bridge Group 41
	2025	Oaklawn Ave RR at Washington Secondary Bike Path	6277	Bridge Group 41
	2025	Park Ave Bridge at Pocasset River	6278	Bridge Group 41
	2025	Seven Mile Road Bridge, Main St at Clark Brook	6279	Bridge Group 41
	2025	Thornton Bridge, RI 14 Plainfield St at Pocasset River	6280	Bridge Group 41
	2020	Cranston Park East Bridge, RI 37 EB & WB over I-295 NB	6281	Bridge Group 51B
	2020	Cranston Park RR, RI 37 EB & WB at Washington Secondary Bike Path	6282	Bridge Group 51B
	2020	Cranston Park West, RI 37 EB & WB at I-295 SB	6283	Bridge Group 51B
	2020	Cranston Street, RI 37 EB & WB at Cranston St	6284	Bridge Group 51B
	2020	Howard Bridge, RI 37 EB & WB at Power Road	6285	Bridge Group 51B

Project Prioritization

Cranston



Priority	Earliest Funded Year RIDOT/RIPTA 18-27 Ten Year Plan	Project Name	STIP ID	Bridge Group
High	2020	New London Ave Bridge, RI 37 EB & WB at New London Ave	6286	Bridge Group 51B
	2020	Oaklawn Ave Bridge, RI 37 EB & WB at Oaklawn Ave	6287	Bridge Group 51B
	2018	Pawtuxet River South, RI 37 EB at Pawtuxet River	6288	Bridge Group 51A
	2018	Pontiac Ave Bridge, RI 37 EB & WB at Pontiac Ave	6289	Bridge Group 51A
	2018	Park Ave RR Bridge	6292	Bridge Group 59
	2018	Pawtuxet River North Bridge at RI 37WB and Pawtuxet River	6710	Bridge Group 51A
	2018	Plainfield Pike SB, I-295 SB at Rt 14 Plainfield Pike	6744	Bridge Group 34T
	2018	Pontiac Branch RR	6768	Bridge Group 51A
	2018	Pontiac Ave RI 37 Culvert No.126401	6770	Bridge Group 51A
	2027	I-95 (Route 10 to I-195)	9521	Non-Bridge
	2026	I-95 NB (160' south of Jefferson Blvd to 320' north of Laurens St overpass)	9522	Non-Bridge
	2027	I-95 SB (140' south of Service Ave to 90' North of Milford St overpass)	9523	Non-Bridge
	2027	Rt 1/Elmwood Ave (Providence T/L to Warwick T/L)	9530	Non-Bridge
	2026	Rt 2 Reservoir Ave (Park Ave to Rt 10)	9544	Non-Bridge
	2026	Rt 5, Atwood Ave (Cranston St to Rt 12/Phenix Ave)	9550	Non-Bridge
	2026	Rt. 5, Atwood Avenue (Rt 12/Phenix Ave to Rt 14/Plainfield Pike)	9560	Non-Bridge
	2026	Rt. 5/Oaklawn Avenue (Rt 2/New London Ave to Cranston St)	9561	Non-Bridge
	2026	Warwick Ave (Park Ave to Broad Street)	9564	Non-Bridge

FFY 18-27 STIP Application/Project Priority Form



Cranston

Newly Proposed Projects *(Please use an additional sheet if necessary)*

PROJECT PRIORITIZATION	Priority	Project Name	STIP ID
	High	Park Avenue Rehabilitation	
	High	Sockanosset Crossroad & Pontiac Avenue	

FFY 18-27 Project Application Form



State Transportation Improvement Program

CONTACT	Contact Information
	Applicant Name <u>City of Cranston - Kenneth R. Mason</u>
	Contact Person (if different) _____ Title <u>Director of Public Works</u>
	Mailing Address <u>869 Park Avenue</u>
	City <u>Cranston</u> Zip Code <u>02910</u>
Phone <u>401-780-3175</u> Email <u>kmason@cranstonri.org</u>	

PROJECT INFORMATION	Type of Project <i>select all that apply</i>			
	<input type="checkbox"/> Bridge	<input checked="" type="checkbox"/> Pavement	<input type="checkbox"/> Drainage	<input type="checkbox"/> Planning
	<input type="checkbox"/> Traffic	<input type="checkbox"/> Transit	<input type="checkbox"/> Bicycle	<input checked="" type="checkbox"/> Pedestrian
	<input type="checkbox"/> Transportation Enhancement	<input type="checkbox"/> Other <u>Enter Other Project Type</u>		
	Project Description			
	Was this project previously submitted during the FFY17-25 STIP development process? <input type="radio"/> Yes / <input checked="" type="radio"/> No			
	<i>If you selected no, please continue to the "Current Project Title" Section</i>			
	<i>If you selected yes, please answer the following:</i>			
	What was the Project Title? _____			
	What was the TIP ID# assigned to the project at that time (4-digit number)? _____			
Current Project Title <u>Park Avenue Rehabilitation</u>				
Location by Street Name <u>Park Avenue</u>				
Project Limits - From <u>Broad Street</u> To <u>Cranston Street</u>				
<i>Please include an 8.5" x 11" map of the site, indicating project limits.</i>				
Provide a brief description of the proposed project:				
<p>Park Avenue in Cranston is part of the Federal Highway system and is designated as State Route 12. The city wishes to provide enhancements to this road, from Broad Street to Cranston Street, an approximate length of 3.75 miles. Work included will consist of milling and overlay of pavement, installation of new ADA compliant handicap ramps, replacement of select sections of concrete sidewalks, rehabilitation of storm drain catchbasins, and storm/sewer manhole frames and covers, new road striping, and perform tree trimming through the entire stretch of road.</p>				

Describe need for proposed project:

Park Avenue was last paved approximately 20 years ago, and is in need of repaving and rehabilitation. The street has had significant upgrades completed by National Grid Gas and Providence Water and is due for total repaving. ADA compliant ramps are required to be upgraded as well as segments of sidewalk.

Describe anticipated municipal or state transportation network or economic development benefits:

Park Avenue is the main east-west route through the city of Cranston and is a priority for the city to maintain adequate services for all aspects of the city. Improvements on this roadway are expected improve traffic congestion on some roadway segments, and improve pedestrian safety, including ADA compliance.

Is the project consistent with the local Comprehensive Plan? Yes No

Has the project been the subject of a properly conducted municipal public hearing? Yes No

Is the project on the Federal Aid System? Yes No

Is the project on the National Highway System? Yes No

CRITERIA

Evaluation Criteria

Please address the following topics as they relate to the project. Refer to "An Overview of TIP Guiding Principles" for more information. Submission **must not exceed** 2 pages, single-spaced, 12-point font.

- | | |
|-------------------------|-----------------------------------|
| 1. Mobility Benefits | 5. Supports Local and State Goals |
| 2. Cost Effectiveness | 6. Safety and Security |
| 3. Economic Development | 7. Equity |
| 4. Environmental Impact | |

PROJECT ESTIMATES

Project Estimates

	ROW	Study	Design	Construction	Total
Estimated Project Costs	\$ 0.00	\$ 0.00	\$ 100,000.00	\$ 3,000,000.00	\$ 3,100,000.00

Amount Requested through TIP Process \$ 2,600,000.00

Is there funding from other sources committed to this project? Yes No

Source	Amount
City of Cranston highway Bond Fund	\$ 500,000.00
Total	\$ 500,000.00

Estimated date of construction 03/01/2019

CERTIFICATION

Municipal Applications

I attest that the information provided on this application is true and accurate.

Robert M. Meehan Dir of Admin 8/10/17

Chief Executive or Elected Municipal Official Signature Date

Non-Municipal Applications

I attest that the municipality in which the project is located has been notified of the proposed project.

R. M. Meehan Dir of Admin 8/10/17

Chief Executive or Elected Municipal Official Signature Date

ALL APPLICATIONS ARE DUE BY 3:00PM ON FRIDAY, AUGUST 11, 2017

Evaluation Criteria for TIP Request for the Rehabilitation of Park Avenue

Mobility Benefits

This section of roadway is the main east – west thoroughfare for the city. The resurfacing of this road would greatly improve mobility by creating a new and safer road surface.

Cost Effectiveness

Resurfacing of the Park Avenue is cost effective because it eliminates current frequent maintenance costs for potholes and other surface treatments. Also it would cause less vehicle damage.

Economic Development

The rehabilitation of this section of roadway would support job creation to the local workforce.

Environmental Impact

Because of the existing condition of this road many user seek alternate routes. Resurfacing Park Avenue would reduce their travel distance and time when traveling in this area. This would lead to less fuel consumption which would lead toward cleaner air quality and would promote energy conservation.

Supports Local and State Goals

This project is a top infrastructure priority for the City of Cranston. The resurfacing of Park Avenue has local public support.

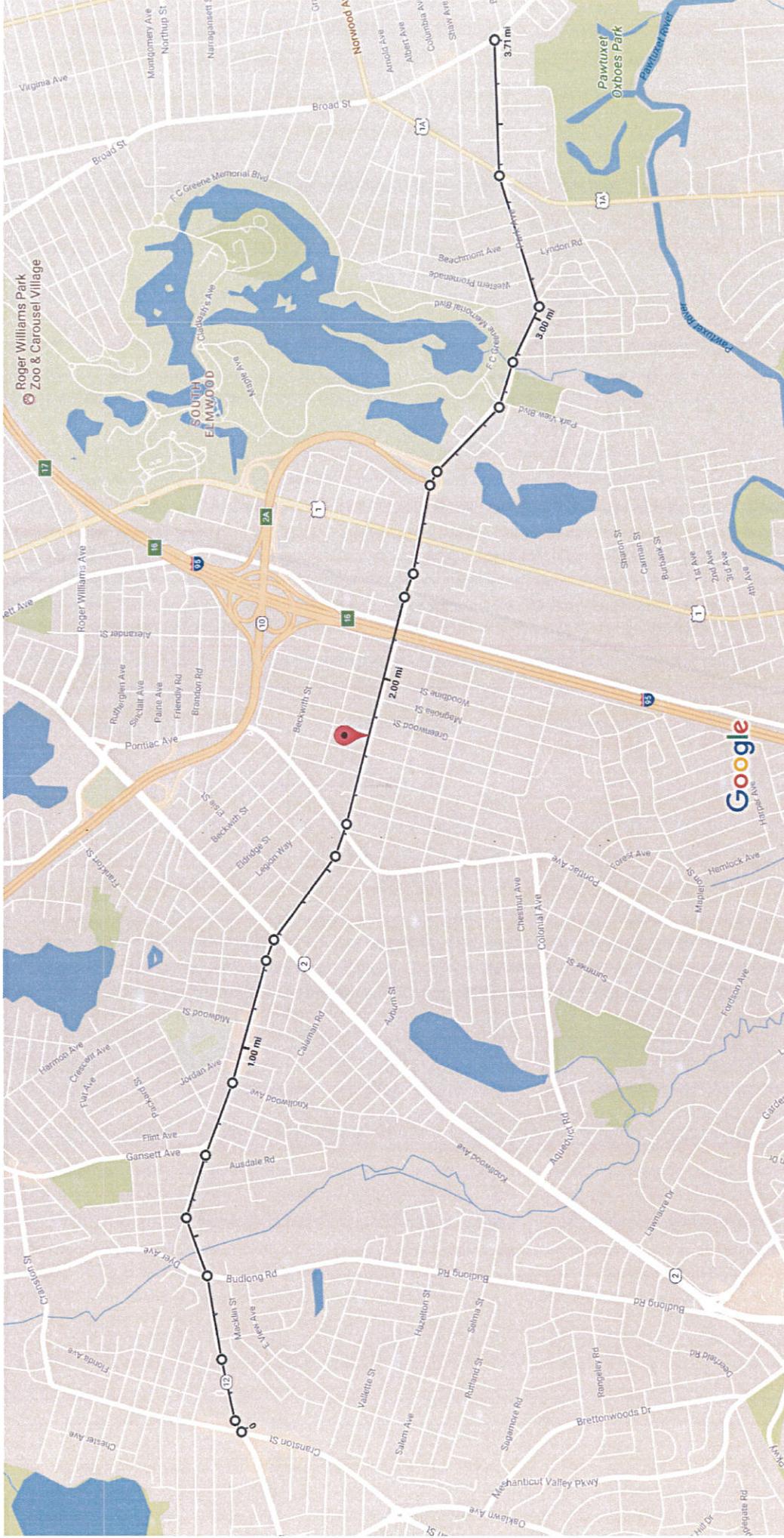
Safety and Security

This project would increase passenger safety to road users. It would also improve a transportation asset.

Equity

The resurfacing of this road does enhance and preserves access to the transportation network for all users including persons with a disability and seniors.

Google Maps Park Ave



Map data ©2017 Google United States 1000 ft

Measure distance
 Total distance: 3.71 mi (5.97 km)

FFY 18-27 Project Application Form



State Transportation Improvement Program

CONTACT	Contact Information
	Applicant Name <u>City of Cranston - Kenneth R. Mason</u>
	Contact Person (if different) _____ Title <u>Director of Public Works</u>
	Mailing Address <u>869 Park Avenue</u>
	City <u>Cranston</u> Zip Code <u>02910</u>
	Phone <u>401-780-3175</u> Email <u>kmason@cranstonri.org</u>

PROJECT INFORMATION	Type of Project <i>select all that apply</i>
	<input type="checkbox"/> Bridge <input type="checkbox"/> Pavement <input type="checkbox"/> Drainage <input type="checkbox"/> Planning
	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Transit <input type="checkbox"/> Bicycle <input checked="" type="checkbox"/> Pedestrian
	<input checked="" type="checkbox"/> Transportation Enhancement <input type="checkbox"/> Other <u>Enter Other Project Type</u>
	Project Description
	Was this project previously submitted during the FFY17-25 STIP development process? <input type="radio"/> Yes / <input checked="" type="radio"/> No
	<i>If you selected no, please continue to the "Current Project Title" Section</i>
	<i>If you selected yes, please answer the following:</i>
	What was the Project Title? _____
	What was the TIP ID# assigned to the project at that time (4-digit number)? _____
Current Project Title <u>Sockanosset Crossroad & Pontiac Avenue</u>	
Location by Street Name <u>Sockanosset Cross Road/Pontiac Ave/Rte 27 off-ramp</u>	
Project Limits - From <u>Sockanosset Cross Road</u> To <u>Rte 37 off-ramp</u>	
<i>Please include an 8.5" x 11" map of the site, indicating project limits.</i>	
Provide a brief description of the proposed project:	
<p>This project consists of improving the operation and efficiency of the intersection at Pontiac Avenue and Sockanosset Cross Road. Improvements include widening both sides of Sockanosset Cross Road at its approach to Pontiac Avenue, new configuration of exclusive turn lanes, new configuration of lanes further south on Pontiac Avenue at the Route 37 off ramp, road striping, and upgrades to the traffic signal system.</p>	

Describe need for proposed project:

Recent developments at Chapel View and Garden City shopping centers, along with other businesses along this corridor have resulted in significant increase in traffic volumes, resulting in traffic congestion and lengthy back-ups on Pontiac Avenue and Sockanosset Cross Road, especially during the AM and PM peak hours.

Describe anticipated municipal or state transportation network or economic development benefits:

Improvements at this location are expected to alleviate ongoing frustration with traffic congestion on roadway segments within both state and local jurisdictions, and improve pedestrian safety, including ADA compliance at the intersection. So as not to deter the shopping public and potential business interests from visiting the area, completion of this project is vital to ensure continued success of this section of the City.

Is the project consistent with the local Comprehensive Plan? Yes No

Has the project been the subject of a properly conducted municipal public hearing? Yes No

Is the project on the Federal Aid System? Yes No

Is the project on the National Highway System? Yes No

CRITERIA

Evaluation Criteria

Please address the following topics as they relate to the project. Refer to "An Overview of TIP Guiding Principles" for more information. Submission **must not exceed** 2 pages, single-spaced, 12-point font.

- | | |
|-------------------------|-----------------------------------|
| 1. Mobility Benefits | 5. Supports Local and State Goals |
| 2. Cost Effectiveness | 6. Safety and Security |
| 3. Economic Development | 7. Equity |
| 4. Environmental Impact | |

PROJECT ESTIMATES

Project Estimates

	ROW	Study	Design	Construction	Total
Estimated Project Costs	\$ 150,000.00	\$ 0.00	\$ 75,000.00	\$ 400,000.00	\$ 625,000.00

Amount Requested through TIP Process \$ 625,000.00

Is there funding from other sources committed to this project? Yes No

Source	Amount
Total	\$ 0.00

Estimated date of construction 03/01/2019

CERTIFICATION

Municipal Applications

I attest that the information provided on this application is true and accurate.

 Dir of Admin 8/10/17

Chief Executive or Elected Municipal Official Signature Date

Non-Municipal Applications

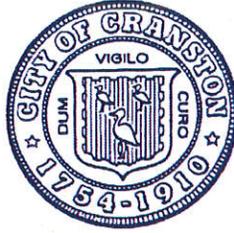
I attest that the municipality in which the project is located has been notified of the proposed project.

 Dir of Admin 8/10/17

Chief Executive or Elected Municipal Official Signature Date

ALL APPLICATIONS ARE DUE BY 3:00PM ON FRIDAY, AUGUST 11, 2017

ALLAN W. FUNG
MAYOR



Kenneth R. Mason P.E.
Director of Public Works

DEPARTMENT OF PUBLIC WORKS
CITY HALL, ROOM 109
869 PARK AVENUE
CRANSTON, RHODE ISLAND 02910

Sockanosset Cross Road & Pontiac Avenue Intersection Improvements Evaluation Criteria

This project is expected to meet the following selection criteria:

- **Mobility Benefits** – relieves congestion and long within the busy intersection; improves function for all roadway users, including RIPTA and pedestrians; improves access to jobs, retail, services, and public library.
- **Cost Effectiveness** – adds efficiency to existing roadway; complements other planned RIDOT improvements on the segment of Pontiac Ave. south of the Route 37 ramps;
- **Economic Development** – improves access to employment centers; supports job creation; facilitates the movement of goods; supports and recognizes both past and future private investment.
- **Environmental Impact** – relief of traffic congestion will reduce vehicle emissions and noise.
- **Supports Local and State Goals** – strong public support to prioritize this project.
- **Safety and Security** – enhances overall safety throughout the corridor, especially for pedestrians at the intersection.

