



---

2023-2027

Transportation Improvement  
Program (TIP)

---

Binghamton Metropolitan Transportation Study



**BINGHAMTON METROPOLITAN TRANSPORTATION STUDY  
POLICY COMMITTEE  
RESOLUTION 2022-11**

---

Resolution approving the 2023-2027 Binghamton Metropolitan Transportation Study Transportation Improvement Program.

WHEREAS the Binghamton Metropolitan Transportation Study Policy Committee has been designated by the Governor of the State of New York as the Metropolitan Planning Organization responsible, together with the State, for the comprehensive, continuing, and cooperative transportation planning process for the Binghamton Urban Area, and

WHEREAS Federal regulations (23 CFR Chapter 1, Part 450, Subpart C, and 49 CFR Chapter VI, Part 613, Subpart B) require that the urban transportation planning process shall include development of a Transportation Improvement Program, a staged multi-year program of projects consistent with the Transportation Plan, and

WHEREAS the aforementioned Federal regulations require all projects within the Metropolitan Planning Area Boundary to be funded from the following Federal Aid sources to be included in the Transportation Improvement Program in order to remain eligible for such assistance: Federal Highway Administration: Surface Transportation Program, National Highway Performance and Highway Safety Improvement Program; and Federal Transit Act Section 5307, 5309, 5310, 5311, 5324, 5326, 5329, 5337 and 5339 grants; and

WHEREAS the BMTS Policy Committee approved on June 13, 2019, the 2020-2024 BMTS Transportation Improvement Program, and

WHEREAS the Transportation Improvement Program shall include an Annual or Biennial Element of projects proposed for implementation during the first and second program year, and

WHEREAS the Transportation Improvement Program shall be financially constrained and list projects in priority order and be consistent with the long range transportation plan, and

WHEREAS the projects included in the Transportation Improvement Program must be selected through an appropriate project selection procedure, and

WHEREAS there must be reasonable opportunity for public review and comment on the Draft TIP consistent with the adopted BMTS Participation Plan, and

WHEREAS the BMTS Policy Committee has created a Planning Committee of technical representatives to advise it on matters concerning the implementation of the urban transportation planning process, and a Transportation Improvement Program Subcommittee thereof to develop and monitor the TIP, and

WHEREAS a Draft 2023-2027 Transportation Improvement Program has been developed, that meets all requirements, and

WHEREAS the Draft 2023-2027 Transportation Improvement Program has been made available for public comment, and

WHEREAS the BMTS Planning Committee on August 11, 2022, unanimously recommended that the BMTS Policy Committee approve the BMTS 2023-2027 TIP,

NOW THEREFORE BE IT RESOLVED that the BMTS Policy Committee approves the 2023-2027 Transportation Improvement Program.

**CERTIFICATION OF RESOLUTION 2022-11**

I, the undersigned, duly elected Chair of the Binghamton Metropolitan Transportation Study Policy Committee, do hereby certify that the foregoing is a true and correct copy of BMTS Policy Committee Resolution 2022-11, adopted by consensus this 23<sup>rd</sup> day of August, 2022.



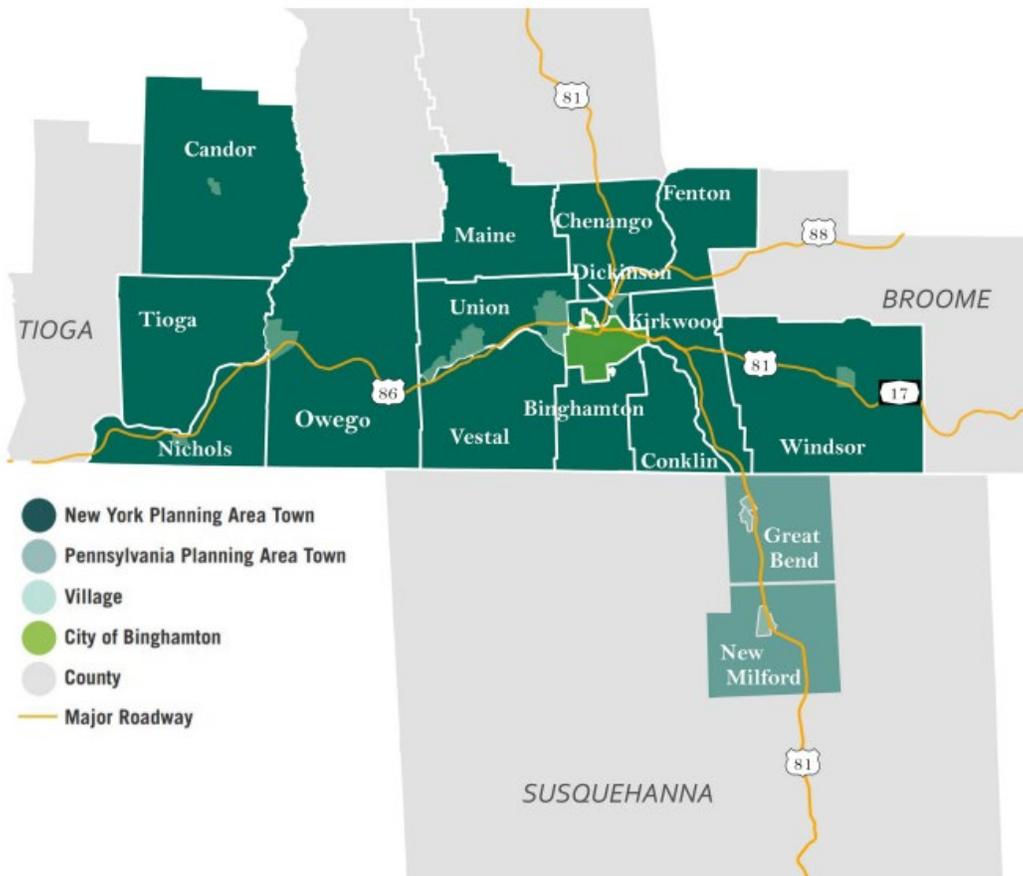
Michael Marinaccio, Chair  
BMTS Policy Committee



Date

## INTRODUCTION

The Transportation Improvement Program (TIP) provides a short-term (five-year) work program that lists federally funded transportation projects, programs, and other transportation improvements to be carried out within the Binghamton Metropolitan Transportation Study's (BMTS) Metropolitan Planning Area. The Planning Area includes portions of Broome and Tioga County<sup>1</sup>.



Federal regulations require, as a condition to receive federal capital or operating assistance, that each urbanized area have a continuing, cooperative, and comprehensive (3-C) transportation planning process. The Metropolitan Planning Organization (MPO) is the organization designated to carry out the 3-C process which results in plans and programs that are consistent with the comprehensively planned development of the urbanized area. The TIP, along with the Long Range

<sup>1</sup> The Binghamton Urbanized Area also extends into Pennsylvania. The area includes the Interstate 81 and US 11 corridor through Great Bend, Hallstead, and New Milford. Based upon an agreement reached with the Pennsylvania Department of Transportation and the Northern Tier Regional Planning & Development Commission (designated as a Rural Planning Organization by PennDOT), Federal aid projects in the Pennsylvania portion of the BMTS area are to be included in the BMTS Transportation Improvement Program for information only and in the Pennsylvania Statewide TIP (STIP) for programming purposes.

Transportation Plan, are key elements of this process. The TIP serves as a strategic management tool that accomplishes the objectives of the Binghamton Metropolitan Transportation Study's (BMTS) Long Range Transportation Plan (LRTP), [\*Moving our Future Forward: 2045\*](#).

The Fixing America's Surface Transportation Act or "FAST Act" became law in 2015 which authorized surface transportation programs and continued the basic planning requirements. The Infrastructure Investment and Jobs Act (IIJA) (also known as the "Bipartisan Infrastructure Law"), became law in 2021 and continues the Metropolitan Planning programs. These programs continue the requirement for a cooperative, continuous, and comprehensive framework for making transportation investment decisions in metropolitan areas and the joint oversight by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) and include the following requirements for the TIP development process:

- Include any projects to be funded by federal transportation dollars received from the Federal Highway Administration or the Federal Transit Administration, as well as projects that are regionally significant.
  - Only projects that are planning to obligate (meaning a jurisdiction has been approved to spend) funds within the next four years are required to be included in the TIP. If all funds have been obligated for a project, the project is not included in the TIP, even if it is not yet completed. Conversely, if a project has federal funding, but there is no plan to obligate those funds within the timeframe of this TIP, then the project is not included in the TIP.
- Ensure consistency between projects and programs in the TIP and the LRTP.
- Demonstrate that the projects included in the TIP can be implemented with reasonably available resources.
- Provide reasonable opportunity for public comment, including a formal public meeting and posting the document online.
- Be developed at least every four years by the MPO in cooperation with the State and any affected public transportation operators.

The TIP includes surface transportation projects involving highways and streets, public transportation, bicyclists, and pedestrians. Projects included in the TIP are consistent with elements of the LRTP. Additionally, the TIP is fiscally constrained by estimated future revenues. As the federally designated MPO for the Binghamton metropolitan area, BMTS is responsible for developing the TIP in cooperation with the New York State Department of Transportation (NYSDOT) and BC Transit. BMTS is comprised of a Policy Committee with representatives from New York State and most units of local government within the Planning Area, a Planning Committee providing technical oversight of plans and programs, and a central staff to perform transportation planning tasks.

## **TIP DEVELOPMENT PROCESS**

### **Project Selection Process**

Projects are selected by the BMTS Planning and Policy Committees through a competitive scoring and review process intended to ensure projects are prioritized consistent with goals of the LRTP and facility conditions. Candidate projects are screened for compliance with program

requirements, and then scored. The ranked list of candidate projects is provided to the TIP Subcommittee (comprised of Planning Committee members), along with the estimate of available funds developed by NYSDOT for FHWA programs and FTA for transit programs, to determine which projects should be included in the TIP. The TIP Subcommittee is not constrained to follow the project rankings, but rather to use them as guidance in choosing projects for inclusion in the TIP. The Subcommittee considers issues of equity, geographic distribution, funding and project scheduling in making their final recommendation to the Planning and Policy Committees. Following opportunities for public input and a recommendation from the Planning Committee, the Policy Committee is responsible for approving the final TIP.

### **Public Participation Plan**

The public involvement process for the TIP is consistent with [BMTS' Public Participation Plan \(PPP\)](#). Opportunities for public input occur at various points, including prior to action on the Draft TIP by the Planning Committee and prior to final action on the Draft TIP by the Policy Committee. BMTS relies on direct contact with stakeholders, public notices, and use of the BMTS website, as well as social medial, for contact with the public.

### **Title VI and Environmental Justice Considerations**

Environmental Justice (EJ) is the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies. EJ has become a focus of transportation planning and investment policy because of Executive Order 12898. This executive order provides that "each Federal agency shall make achieving environmental justice part of its mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on minority populations and low-income populations."

As a federally funded agency BMTS is required to identify and address Title VI and Environmental Justice (EJ) implications of their planning processes and investment decisions. Specifically, BMTS undertakes the following:

- Integration of Title VI Concerns in the MPO Planning Process: The needs of minority neighborhoods are considered in developing of BMTS' long-range plans and short-term improvement programs, to address the equitable distribution of benefits and impacts to minority and non-minority areas.
- Female and minority Representation on MPO Committees and Advisory Boards: The MPO takes steps to ensure that women, minorities, and persons with disabilities, both individually and through their organizations, are represented in the citizen participation effort, including membership on formal committees, boards, and advisory committees.
- Public Participation in the MPO Planning Process: BMTS provides opportunity for the public to provide legitimate input into the planning process. [BMTS' Limited English Proficiency \(LEP\) Plan](#) serves as a guide for central staff to identify reasonable procedures in providing language assistance during the transportation planning process.
- Compliance with the Americans with Disabilities Act of 1990: BMTS' planning process is fully accessible to individuals with disabilities by holding meetings in accessible locations

and providing information in accessible formats. Accessibility is a primary goal of the LRTP and projects are often programmed on the TIP to reduce barriers to accessibility.

The BMTS Policy Committee is fully committed to ensuring that its transportation plans equitably serve the community. BMTS has prepared a separate EJ analysis for this TIP, which includes an analysis of projects in relation to EJ compliance and mapping to illustrate the relationship between the location of transportation investments and environmental justice areas.

## PERFORMANCE MANAGEMENT

Pursuant to federal requirements, MPOs must employ a transportation performance management approach in carrying out their federally required planning and programming activities. Chapter 23 part 150(b) of the United States Code [23USC §150(b)] includes the following seven national performance goals for the Federal-Aid Highway Program:

- Safety – To achieve a significant reduction in traffic fatalities and serious injuries on all public roads.
- Capital Assets Condition – To maintain the highway infrastructure and transit capital asset systems in a state of good repair.
- Congestion Reduction – To achieve a significant reduction in congestion on the National Highway System.
- System Reliability – To improve the efficiency of the surface transportation system.
- Freight Movement and Economic Vitality – To improve the national freight network, strengthen the ability of rural communities to access national and international trade markets, and support regional economic development.
- Environmental Sustainability – To enhance the performance of the transportation system while protecting and enhancing the natural environment.
- Reduced Project Delivery Delays – To reduce project costs, promote jobs and the economy, and expedite the movement of people and goods by accelerating project completion through eliminating delays in the project development and delivery process, including reducing regulatory burdens and improving agencies' work practice.

For federally funded public transportation activities, transportation performance management must be utilized to advance the general policy and purposes of the FTA's public transportation program as included in 49USC §5301(a) and (b).

BMTS' TIP was developed and is managed in cooperation with the New York State Department of Transportation (NYSDOT) and BC Transit. It reflects the investment priorities established in [\*Moving our Future Forward: 2045\*](#), which incorporates comments and input from affected agencies and organizations, and the public.

TIPs “shall include, to the maximum extent practicable, a description of the anticipated effects of the transportation improvement program toward achieving the performance targets established in the metropolitan transportation plan, linking investment priorities to those performance targets” [23USC §134(j)(2)(D)]. TIPs and metropolitan transportation plans (MTPs) adopted or amended after the following dates must include performance targets for the associated measures:

- May 27, 2018 – Highway Safety Improvement Program (HSIP) and Highway Safety
- October 1, 2018 – Transit Asset Management
- May 20, 2019 – Pavement and Bridge Condition
- May 20, 2019 – System Performance/Freight/Congestion Mitigation & Air Quality Improvement Program
- July 20, 2021 – Public Transportation Agency Safety Plan

This portion of the adopted TIP meets the requirements of 23USC §134(j)(2)(D).

**HSIP and Highway Safety**

*Performance Targets*

On March 15, 2016, FHWA published the final rule for the HSIP and Safety Performance Management (Safety PM) Measures in the *Federal Register* with an effective date of April 14, 2016.

The 2017 New York Strategic Highway Safety Plan (SHSP) is intended to reduce “the number of fatalities and serious injuries resulting from motor vehicle crashes on public roads in New York State.” The SHSP guides NYSDOT, the MPOs, and other safety partners in addressing safety and defines a framework for implementation activities to be carried out across New York State. The NYSDOT Highway Safety Improvement Program (HSIP) annual report documents the statewide performance targets.

BMTS has agreed to support the NYSDOT statewide 2022 targets for the following Safety PM measures based on five-year rolling averages per Title 23 Part 490.207 of the *Code of Federal Regulations* on September 9, 2021, via Resolution 2021-07.

<b>Performance Measure</b>	<b>NY Statewide Target 2022</b>
Number of Fatalities	1,005.4
Rate of Fatalities per 100 million Vehicle Miles Traveled (VMT)	0.818
Number of Serious Injuries	11,173.9
Rate of Serious Injuries per 100 million VMT	9.084
Number of Nonmotorized Fatalities and Serious Injuries	2,644.1.5

*Anticipated Effects*

“Provide safety and security to all users by whatever mode they choose for travel” is listed as a goal in the current Long Range Plan. The projects on the TIP are consistent with the need to address safety. Safety is a primary consideration in the selection of projects to be included in the TIP. Prior to each new TIP being adopted, a TIP Subcommittee evaluates projects submitted for consideration of funding against the goals and objectives set forth in the LRTP. Safety is one of those goals.

The TIP includes NYSDOT projects programmed with HSIP funds and other fund sources that are expected to benefit the safety of the traveling public on roadways throughout the metropolitan planning area.

BMTS' TIP has been reviewed and the anticipated effect of the overall program is that it will contribute to progress made in addressing the safety performance targets established by the State.

## **Transit Asset Management**

### *Performance Targets*

On July 26, 2016, the Federal Transit Administration (FTA) published the final Transit Asset Management rule. This rule applies to all recipients and subrecipients of Federal transit funding that own, operate, or manage public transportation capital assets. The rule defines the term "state of good repair," requires that public transportation providers develop and implement transit asset management (TAM) plans and establishes state of good repair standards and performance measures for four asset categories: rolling stock, equipment, transit infrastructure, and facilities. The rule became effective on October 1, 2016.

Public transportation providers must establish TAM targets annually for the following fiscal year and report them to FTA. Each provider shares its targets with the MPO in which the provider's projects and services are programmed in the MPO's TIP. The MPO is required to establish its first set of TAM targets within 180 days of the date that public transportation provider established its first targets. After this, MPOs are not required to establish TAM targets each year after the transit provider establishes targets. Instead, MPOs must set updated TAM targets when the MPO updates its LRTP.

When establishing transit asset management targets, the MPO can either agree to program projects that will support the transit provider targets or establish its own separate transit asset management targets for the MPO planning area.

BC Transit set the following transit asset management targets on December 31, 2021:

<b>Performance Measure</b>	<b>Goal</b>	<b>Target</b>
<b>Rolling Stock (percent of revenue vehicle that have met/exceeded useful life)</b>		
40' Bus	System Preservation	15%
Trolley Bus	Replace by 2022	100%
Cutaway Bus (Country Fleet)	System Preservation	33%
<b>Equipment (percent of equipment that have met/exceeded useful life)</b>		
Non-Revenue/Service	System Preservation	25%
Trucks/Other Rubber Wheeled Vehicles	System Preservation	15%
Fareboxes	System Preservation	0%
Surveillance System	System Preservation	0%
<b>Facilities (condition rating of facilities based on a scale of 1-5 with 5 being the best rating)</b>		
Administration	Rating of 3 or higher	3
Maintenance	Rating of 3 or higher	3
Parking Structure	Rating of 3 or higher	5
Passenger Facilities	Rating of 3 or higher	5

BMTS agrees to plan and program projects in the TIP that will, once implemented, make progress toward achieving the transit asset targets.

#### *Anticipated Effects*

The BMTS TIP was developed and managed in cooperation with BC Transit. The TIP includes specific investment priorities that support the BMTS' goals, including transit asset management, using a project selection process that is anticipated to address transit state of good repair in the MPO planning area. BMTS' goal of addressing transit asset condition is linked to the investment plan of BC Transit, and the process used to prioritize the projects within the TIP is consistent with federal requirements.

The focus of BMTS' investments that address transit state of good repair include:

- preventative maintenance of BC Transit facilities and buses,
- replacement of BC Transit coach buses.

The goals and objectives listed in BMTS' long range plan guide the TIP project selection. Ensuring multimodal access by all residents to important destinations and maintaining all elements of the regional transportation system in a state of good repair are listed as high priorities in the Plan.

BMTS anticipates that the TIP, once implemented, will contribute to progress toward achieving the established transit asset management targets. Improving the state of good repair (SGR) of transit capital assets is an overarching goal of the MPO.

## **Pavement and Bridge Condition**

### *Performance Targets*

On January 18, 2017, FHWA published the Pavement and Bridge Condition Performance Measures Final Rule in the *Federal Register*. This second FHWA performance measure rule, which has an effective date of May 20, 2017 (originally February 17, 2017), established six performance measures to assess pavement conditions and bridge conditions for the National Highway Performance Program (NHPP).

The pavement condition measures represent the percentage of lane-miles on the Interstate and non-Interstate National Highway System (NHS) that are in good or poor condition. FHWA established five pavement condition metrics<sup>2</sup>: International Roughness Index (IRI); cracking percent; rutting; faulting; and Present Serviceability Rating (PSR). FHWA set a threshold for each metric to establish good, fair, or poor condition. A pavement section is classified as being in good condition if three or more metric ratings are good, and in poor condition if two or more metric ratings are poor. Pavement sections that are not good or poor are classified as fair.

The bridge condition measures represent the percentage of bridges, by deck area, on the NHS that are in good condition or poor condition<sup>3</sup>. The condition of each bridge is evaluated by assessing four bridge components: deck, superstructure, substructure, and culverts. The Final Rule created a metric rating threshold for each component to establish good, fair, or poor condition. If the lowest rating of the four metrics is greater than or equal to seven, the structure is classified as good. If the lowest rating is less than or equal to four, the structure is classified as poor. If the lowest rating is five or six, it is classified as fair.

<sup>2</sup> Per FHWA, "To ensure consistent definitions, a distinction between 'performance measure' and 'performance Metric' was made in 23 CFR 490.101. A 'metric' is defined as a quantifiable indicator of performance or condition whereas a 'measure' is defined as an expression based on a metric that is used to establish targets and to assess progress toward meeting the established targets." (*FHWA Computation Procedure for the Pavement Condition Measures – FHWA-HIF-18-022*, FHWA Office of Infrastructure and Office of Policy & Governmental Affairs, April 2018)

<sup>3</sup> The sum of total deck area of good or poor NHS bridges is divided by the total deck area of all bridges carrying the NHS to determine the percent of bridges in good or in poor condition. Deck area is calculated by multiplying the structure length by either the deck width or approach roadway width.

BMTS agreed to support the NYSDOT statewide targets for the following NHS pavement and bridge condition performance measures on December 18, 2018 via Resolution 2018-10.

<b>Performance Measures</b>	<b>New York Performance 2017 Baseline</b>	<b>New York 2019 Actual Performance</b>	<b>New York 2-year Target (2019)</b>	<b>New York 4-year Target (2021)</b>
Percent of Interstate pavements in good condition	N/A*	51.1%	N/A*	47.3%
Percent of Interstate pavements in poor condition	N/A*	1.1%	N/A*	4.0%
Percent of non-Interstate NHS pavements in good condition	36.7%	37.2%	14.6%	14.7%
Percent of non-Interstate NHS pavements in poor condition	26.7%	26.3%	12.0%	14.3%
Percent of NHS bridges (by deck area) in good condition	22.8%	26.0%	23.0%	24.0%
Percent of NHS bridges (by deck area) in poor condition	10.6%	9.6%	11.6%	11.7%

\*For the first performance period only (January 1, 2018 through December 31, 2021), baseline condition and 2-year targets are not required for the Interstate pavement condition measures.

The two-year and four-year targets represent pavement and bridge condition at the end of calendar years 2019 and 2021.

### *Anticipated Effects*

Maintaining (and, where possible, improving) the condition of NHS pavements and bridges is a critical component of BMTS’ mission, and projects on the TIP are consistent with the need to address the condition of these infrastructure assets as applicable. While there is not a large number of NHS highway and bridge facilities in the BMTS planning area, infrastructure conditions are primary considerations in the selection of projects to be included in the TIP. BMTS emphasizes strong asset management practices which focus investments in current infrastructure on preventive, corrective and demand maintenance to preserve the functionality of the existing transportation system. NYSDOT project evaluation processes consider sufficiency and condition ratings in the review of candidate projects on the NHS. BMTS prioritizes investments to maintain pavement conditions and to reduce the number of structurally deficient bridges using the most cost-effective asset management tools.

BMTS’ TIP has been reviewed and it is anticipated that projects programmed with NHPP and other fund sources will contribute to the NHS pavement and bridge condition performance targets established by the State.

## **System Performance, Freight, and Congestion Mitigation and Air Quality**

### *Performance Targets*

On January 18, 2017, FHWA published the system performance, freight, and congestion mitigation and air quality (CMAQ) Performance Measures Final Rule in the *Federal Register*. This third and final FHWA performance measure rule, which has an effective date of May 20, 2017 (originally February 17, 2017), established six performance measures to assess the performance of the NHS, freight movement on the Interstate System, and traffic congestion and on-road mobile source emissions for the CMAQ Program.

There are two NHS performance measures that represent the reliability of travel times for all vehicles on the Interstate and non-Interstate NHS. FHWA established the Level of Travel Time Reliability (LOTTR) metric to calculate reliability on both the Interstate and non-Interstate NHS. LOTTR is defined as the ratio of longer travel times (80th percentile) to a normal travel time (50th percentile) during four time periods from the hours of 6 AM to 8 PM each day (AM peak, midday, and PM peak on Mondays through Fridays and weekends). The LOTTR ratio is calculated for each segment of applicable roadway. A segment is reliable if its LOTTR is less than 1.5 during all time periods. If one or more time periods has a LOTTR of 1.5 or above, that segment is unreliable. The measures are expressed as the percentage of person-miles traveled on the Interstate and non-Interstate NHS that are reliable.

The single freight movement performance measure represents the reliability of travel times for trucks on the Interstate system. FHWA established the Truck Travel Time Reliability (TTTR) Index, which is defined as the ratio of longer truck travel times (95th percentile) to a normal truck travel time (50th percentile). The TTTR Index is calculated for each segment of the Interstate system over five time periods from all hours of each day (AM peak, midday, and PM peak on Mondays through Fridays, overnights for all days, and weekends). The highest TTTR Index value among the five time periods is multiplied by the length of the segment, and the sum of all length-weighted segments is then divided by the total length of Interstate to generate the TTTR Index.

There are three traffic congestion and on-road mobile source emissions performance measures that represent peak hour excessive delay per capita (PHED), non-single occupancy vehicle (SOV) travel, and total on-road mobile source emissions reductions. The BMTS meets all current air quality standards and is not subject to establishing targets for these performance measures.

BMTS agreed to support the NYSDOT statewide targets for the following system performance and freight performance measures on December 18, 2018 via Resolution 2018-11:

<b>Performance Measures</b>	<b>New York Performance 2017 Baseline</b>	<b>New York Actual Performance 2019</b>	<b>New York 2-year Target (2019)</b>	<b>New York 4-year Target (2021)</b>
Percent of person-miles on the Interstate system that are reliable (Interstate LOTTR)	83.2%	78.8%	73.1%	73.0%
Percent of person-miles on the non-Interstate NHS that are reliable (Non-Interstate NHS LOTTR)	77.0%	80.3%	N/A	63.4%
Truck travel time reliability index (TTTR)	1.39	1.47	2.00	2.11

*Anticipated Effects*

Providing for the reliable movement of people and goods is a critical component of BMTS’ mission, and the projects on the TIP are consistent with the need to address travel time reliability for all vehicles, including freight vehicles, and travel time reliability is a consideration during the TIP project selection process. While there are not a large number of projects related to travel time reliability, BMTS recognizes that the investment in strategies that improve the efficiency of vehicle travel is important. The BMTS TIP funds the Transportation Operations Center which is critical to maintaining reliable travel times on the Interstate system and non-Interstate NHS. BMTS is dedicated to developing separated pedestrian and bicycle accommodations which provide a modal choice for those who do not have access to other forms of transportation or wish to leave their vehicle at home.

BMTS’ TIP has been reviewed, and the anticipated effect of the overall program is that it will contribute to the system performance and freight performance targets established by the State.

## FINANCIAL PLAN

Federal rules require that TIPs include a financial plan that demonstrates that the program is financially realistic for each year of the TIP. The following financial plan includes a description of assumptions and revenue sources available for transportation projects for this TIP.

NYSDOT has provided funding estimates that are reasonably expected to be available to pay for projects and programs included in the TIP. NYDOT's estimates, or planning targets, are used to ensure that projects in the TIP can be funded by the anticipated revenue stream.

The TIP is financially constrained, meaning that the amount of funding programmed does not exceed the amount of funding estimated to be available. All projects programmed in the TIP are considered to have a reasonable expectation of being fully funded, even if funding is outside of the four-year TIP program period.

NYSDOT Region 9 works cooperatively with BMTS in the development of the TIP and the Region's portion of the STIP without a formal sub-allocation of planning targets to the MPO. Planning targets and project cost estimates use inflation rates that reflect "year of expenditure dollars" which adjusts revenues and costs based upon annual inflation factors provided by NYSDOT.

Below is the fiscal constraint table. This table shows the total anticipated federal funds by fund source for NYSDOT Region 9. Region 9 includes Broome, Chenango, Delaware, Otsego, Schoharie, Sullivan, and Tioga counties. Only a portion of the funds illustrated on the table will be allocated to BMTS. Since BMTS does not receive a direct sub-allocation of funds for the MPO area, BMTS and NYSDOT Region 9 work together to determine a dollar amount for local projects. The columns labels 'Programmed' represents the amount of funds to be allocated to BMTS, plus any block funds when a portion of which is expected to be spent in the BMTS Planning Area. Region 9 sets aside block funds to address ongoing regional needs, such as bridge maintenance and paving. Because NYSDOT Region 9 has a large amount of federal dollars allocated to blocks, the exact dollar amount that will be spend in the MPO area is not able to be determined. Therefore, the 'Programmed' amounts do not necessarily reflect the total funds to be spent in the BMTS area.

## Fiscal Constraint Table - BMTS

Fund Source	FFY 2023*		FFY 2024		FFY 2025		FFY 2026		FFY 2027		Total for STIP		Total for 5-Year TIP	
	Anticipated Federal Funds**	Programmed	Anticipated Federal Funds**	Programmed	Anticipated Federal Funds**	Programmed	Anticipated Federal Funds**	Programmed	Anticipated Federal Funds**	Programmed	Anticipated Federal Funds**	Programmed	Anticipated Federal Funds**	Programmed
National Highway Performance Program (NHPP)	\$43.27	\$58.21	\$31.68	\$11.78	\$31.68	\$36.84	\$31.68	\$27.86	\$31.68	\$29.77	\$138.32	\$134.70	\$170.01	\$164.47
Congestion Mitigation Air Quality (CMAQ)														
Highway Safety Improvement Program (HSIP)	\$4.28	\$4.00	\$3.29	\$1.58	\$3.29	\$2.68	\$3.29	\$2.61	\$3.29	\$4.69	\$14.16	\$10.87	\$17.45	\$15.55
Highway Safety Improvement Program (HSIP RAIL)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Surface Transportation Block Grant Program (STBGP FLEX) - includes STBGP RURAL, STBGP SM URBAN 5-50, STBGP SM URBAN 50-200	\$24.53	\$24.55	\$35.08	\$42.47	\$35.08	\$24.16	\$35.08	\$21.35	\$35.08	\$32.70	\$129.78	\$112.52	\$164.86	\$145.22
STBGP Large Urban (STBGP LG URBAN)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STBGP Off-System Bridge (STBGP-OFF)	(\$0.86)	\$1.48	\$0.18	\$2.86	\$1.83	\$0.09	\$1.83	\$0.00	\$1.83	\$0.97	\$4.72	\$4.43	\$6.55	\$5.39
National Highway Freight Program (NHFP)		\$8.75		\$0.00		\$0.00		\$0.00		\$0.00	\$0.00	\$8.75	\$0.00	\$8.75
Urbanized Area Formula Grants (Section 5307)	\$5.48	\$5.48	\$5.62	\$5.62	\$5.74	\$5.74	\$5.88	\$5.88	\$6.00	\$6.00	\$22.72	\$22.72	\$28.72	\$28.72
Enhanced Mobility Seniors/Individuals with Disabilities (Section 5310)	\$0.62	\$0.62	\$0.64	\$0.64	\$0.65	\$0.65	\$0.67	\$0.67	\$0.68	\$0.68	\$2.59	\$2.59	\$3.27	\$3.27
Formula Grants for Other than Urbanized Areas (Section 5311)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Transportation Safety Program (Section 5329)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
State of Good Repair Grants (Section 5337)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bus and Bus Facilities Program (Section 5339)	\$1.27	\$1.27	\$1.29	\$1.29	\$1.32	\$1.32	\$1.34	\$1.34	\$1.37	\$1.37	\$5.22	\$5.22	\$6.59	\$6.59
<b>TOTAL</b>	<b>\$78.596</b>	<b>\$104.353</b>	<b>\$77.788</b>	<b>\$66.235</b>	<b>\$79.598</b>	<b>\$71.478</b>	<b>\$79.781</b>	<b>\$59.715</b>	<b>\$79.944</b>	<b>\$76.177</b>	<b>\$317.491</b>	<b>\$301.781</b>	<b>\$397.435</b>	<b>\$377.958</b>

\* FFY 2023 includes rollover balances from SFY 21/22. Rollover can be positive or negative.

\*\* Includes regional planning targets and statewide funded projects.

## **PROGRAMMED SURFACE TRANSPORTATION PROJECTS**

Projects sponsored by NYSDOT and local municipalities are included in this TIP. Countywide or region wide funding blocks set aside by NYSDOT Region 9, such as pavement, bridge maintenance and safety blocks, are also included in this TIP. A full list of surface transportation carry-over projects, new projects, and block projects can be found on page 17, an interactive map of locally sponsored project can be found at: <https://bmtsonline.com/reports/tip> and an interactive map and listing of NYSDOT sponsored projects can be found at: <https://www.dot.ny.gov/projects>.

NYSDOT programs many of their projects to cover areas throughout their seven-county region in order to foster economy of scale and cost savings on demand response, cyclical and element specific work and these projects are programmed on the TIP. Based on historical data, approximately 30% of these types of projects are in the Urban Area. For example, \$52 Million has been set aside for General Bridge Repairs, \$55M for Pavement Preservation in FFY26 and 27 and \$13M of Safety funds to reduce accidents. This equates to an investment of \$16M to preserve bridges, \$16M to preserve pavements and \$4M to address Safety in the urban area. This represents a significant investment in the preservation of the system.

NYSDOT and local BMTS member agencies also budget funds for operations and maintenance of transportation facilities including the federally supported system. In addition, both federal and state funds are provided to NYSDOT's operations and maintenance forces for betterments to the system. NYSDOT Region 9 budgets approximately \$48 million per year for preventive, corrective and demand maintenance on highways and bridges. Specific activities include pavement and bridge maintenance, drainage improvements, guide rail repair, pavement markings, sign and signal maintenance, snow and ice control and numerous other maintenance activities. NYSDOT also provides funds to localities for maintenance through the Consolidated Local Street and Highway Improvement Program (CHIPs), Extreme Winter Recover (EWR), Pave-NY, State Touring Route (STR) and Pave our Potholes (POP).

NYSDOT annually distributes Statewide Mass Transportation Operating Assistance (STOA) funds to approximately 130 transit operators. Broome County Transit is the principal recipient of these funds in the BMTS area. STOA is calculated based on a per passenger and per vehicle mile formula. STOA receivables in Broome County for SFY2021 are: \$3.899M

### **Urban Highway and Bridge Element**

The Urban Highway and Bridge Element of this TIP includes the following fund sources:

- National Highway Performance Program (NHPP)
- Surface Transportation Block Grant Flex (STBG Flex)
- Surface Transportation Block Grant Off System Bridge (STBG OFF)
- Highway Safety Improvement Program (HSIP)

STBG funds may be spent on projects on any public road functionally classified as collector or above. These funds can also, with MPO approval, be spent on transit projects, as well as bicycle or pedestrian projects. NHPP funds may only be spent on roads designated as part of the National Highway System.

Federal law allows the State DOT, with approval from Federal Highway Administration, to shift monies between NHPP and STBG.

Federal regulation requires that TIP projects be selected by the State in cooperation with the MPO. This does not cause any significant changes in the way BMTS develops its TIP. It is the policy of the BMTS that the TIP Subcommittee of the Planning Committee, which includes NYSDOT representation, is responsible for developing the draft Surface Transportation Program and Highway Bridge Program. The BMTS Policy on Project Programming is followed, and funding allocation targets are provided by NYSDOT Main Office. NYSDOT takes the lead in developing the NYSDOT projects for the programs, because they must balance the needs of the metropolitan system with those of the remainder of the region. The BMTS Subcommittee takes the lead on prioritizing the local non-state projects.

Federal law requires that the TIP include the projected cost of preliminary design, detailed design, right-of-way acquisition, and construction, and construction inspection. FHWA programs provide an 80% Federal share of all costs, except for the Highway Safety Improvement Program (HSIP) which can be a 90% or 100% Federal share depending on eligibility. For projects sponsored by NYSDOT, the State pays the full non-Federal share. State match is typically provided from the State Dedicated Fund (SDF). For locally sponsored projects, the New York State Legislature created many years ago the Marchiselli Program. This program provides  $\frac{3}{4}$  of the non-Federal share, or 15% of the local share of the project cost, leaving a 5% share for the local sponsor. The availability of Marchiselli funds is subject to the annual state appropriations process. Local project sponsors are always informed that they may have to assume the full non-Federal share of a project. The following tables include project narratives that show the split of non-Federal match for local projects. BMTS recognizes that it is important for each project on the TIP to have a well-defined scope. This is facilitated by the fact that candidate project submissions begin with a NYSDOT Initial Project Proposal (IPP) form.

### **Urban Transit Element**

FTA's public transportation assistance program authorization is provided by federal transit law and Chapter 53 of Title 49, U.S. Code. The most recent authorization, the [Bipartisan Infrastructure Law](#) (BIL) signed by President Biden on November 15, 2021, was enacted as the Infrastructure Investment and Jobs Act (Pub. L. 117-58). The legislation reauthorizes surface transportation programs for Fiscal Year 2022 through FY 2026 for the Federal Transit Administration's (FTA) programs funded from the General Fund of the Treasury, which funds its administrative expenses as well as its Research, Technical Assistance and Training programs, Capital Investment Grants program, and Grants to the Washington Metropolitan Area Transit Authority.

BMTS Central Staff, NYSDOT, and the Broome County officials responsible for the provision of public transportation coordinate to insure the proper consideration of public transit in the metropolitan transportation system and in TIP projects.

The Urban Transit Element of the TIP must include all projects within the urban area to be funded under FTA's §5307, 5310, and 5339 programs. The largest of FTA's grant programs, Section 5307 provides grants to urbanized areas to support public transportation. Funding is distributed by formula based on the level of transit service provision, population, and other factors. It can be used for both

capital purchases and operating subsidies. The urbanized area formula for distributing funds reflects the number of low-income individuals as a factor. There are no limits on the amount that can be spent on job access and reverse commute activities. These funds are not subject to the coordinated planning process or require a solicitation to program the funds.

The Section 5310 program provides formula funding to increase the mobility of seniors and persons with disabilities. Funds are apportioned based on each State's share of the targeted populations and in the BIL Act are apportioned to both State (for all areas under 200,000) and large urbanized areas (over 200,000). The former New Freedom program (5317) is folded into this program. The New Freedom program provided grants for services with disabilities that went above and beyond the requirements of the Americans with Disabilities Act (ADA). Nationally, the enhanced 5310 program has \$404 M for 2022.

These funds require that projects awarded be included in the Coordinated Human Service and Public Transportation Plan. There are several significant changes to the program. One is that operating assistance is now an eligible expense for 5310. The program requires 55 percent of funding be planned and spent on traditional capital projects that serve seniors and individuals with disabilities where public transit is not appropriate to serve their needs. The remainder of the funding can be used to initiate projects over and above ADA requirements to improve access to Public Transportation for individuals with disabilities. Funding levels are determined by statistics from the American Community Survey (ACS) rolling five-year program and will be updated each year for the subsequent apportionments.

Since the funds are apportioned to the urban areas and the State, the State went through a process to designate who would accept and administer these funds. Each MPO decided that NYSDOT would administer their funds. Each MPO selects projects based upon amounts available in their apportionment area and retains their funding until lapsing. Funds not awarded in a solicitation are brought forward to the next round. TIPs can have a block project for the anticipated funding level that is updated to reflect the total amount awarded and separated out into individual projects to reflect responsible parties and scope differences.

Section 5339 (Bus and Bus Facilities Program) – This formula grant program provides capital funding to replace, rehabilitate, and purchase buses and related equipment, and to construct bus-related facilities. Grantees may use up to 0.5% of their 5339 allocations on Workforce Development activities.

Two discretionary components have been added to the program: A bus and bus facilities competitive program based on asset age and condition, and a low or no emissions bus deployment program. A solicitation of proposals for competitive funding including requirements and procedures will be published in an annual Notice of Funding Availability (NOFA).

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 1 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022						
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027
AQ CODE	COUNTY	TOTAL PROJECT COST									
LOCAL  900944 BIKE/PED <Exempt>	THIS PROJECT RECONSTRUCTS 5,800 LINEAR FEET OF EXISTING SIDEWALK ALONG THE WEST SIDE OF CHENANGO STREET AND AN ADDITIONAL 650 LINEAR FEET CONSTRUCTED BETWEEN MEAD ROAD AND OLD CHENANGO STREET. TOWN OF FENTON, VILLAGE OF PORT DICKINSON, BROOME COUNTY.	TAP FLEX 10/2022 LOCAL 10/2022 LOCAL 10/2022 TAP FLEX 10/2022 LOCAL 10/2022	0.061 0.015 0.121 0.494 0.123	CONINSP CONINSP CONST CONST CONST		0.061 0.015 0.121 0.494 0.123					
AQC:N/A	BROOME	TPC: \$0.6-\$1.5 M	TOTAL 5YR COST :		0.000	0.814	0.000	0.000	0.000	0.000	0.000
TOWN OF VESTAL 900947 BIKE/PED <Exempt>	THIS PROJECT CONSTRUCTS A MULTI-USE TRAIL ALONG VESTAL ROAD FROM THE INTERSECTION OF SYCAMORE ROAD TO AFRICAN ROAD INCLUDING PEDESTRIAN IMPROVEMENTS (PEDESTRIAN SIGNALS, ADA RAMPS) AT SYCAMORE ROAD/VESTAL ROAD INTERSECTION AS WELL AS A SIDEWALK ALONG WEST SIDE OF SYCAMORE ROAD TO THE EAST ENTRANCE TO THE TOWN SQUARE MALL. THIS PROJECT WILL EXTEND THE VESTAL RAIL TRAIL 0.46 MILE TO THE EAST FROM ITS CURRENT TERMINUS AT AFRICAN ROAD. TOWN OF VESTAL, BROOME COUNTY.	TAP RURAL 02/2024 LOCAL 02/2024 TAP SM URBAN 02/2024 LOCAL 02/2024 TAP SM URBAN 07/2023 LOCAL 07/2023 TAP SM URBAN 07/2023 LOCAL 07/2023 TAP SM URBAN 10/2022 LOCAL 10/2022 TAP SM URBAN 10/2022 LOCAL 10/2022	0.264 0.066 1.576 0.394 0.216 0.054 0.056 0.014 0.208 0.052 0.024 0.006	CONINSP CONINSP CONST CONST DETLDES DETLDES ROWACQU ROWACQU PRELDES PRELDES ROWINCD ROWINCD		0.264 0.066 1.576 0.394 0.216 0.054 0.056 0.014 0.208 0.052 0.024 0.006					
AQC:N/A	BROOME	TPC: \$2-\$4 M	TOTAL 5YR COST :		0.000	0.630	2.300	0.000	0.000	0.000	0.000
NYSDOT  901657 BRIDGE <Exempt>	THIS PROJECT REPLACES THE BRIDGE (BIN 1009210) THAT CARRIES RT 12 OVER GILBERT CREEK IN THE TOWN OF CHENANGO, BROOME COUNTY.	STBG FLEX 01/2025 SDF 01/2025 STBG FLEX 01/2025 SDF 01/2025 STBG FLEX 10/2022 SDF 10/2022 STBG FLEX 10/2022 SDF 10/2022 STBG FLEX 10/2026 SDF 10/2026 STBG FLEX 10/2026 SDF 10/2026	0.120 0.030 0.028 0.007 0.480 0.120 0.024 0.006 0.131 0.033 1.312 0.328	DETLDES DETLDES ROWACQU ROWACQU PRELDES PRELDES ROWINCD ROWINCD CONINSP CONINSP CONST CONST		0.120 0.030 0.028 0.007 0.480 0.120 0.024 0.006				0.131 0.033 1.312 0.328	
AQC:N/A	BROOME	TPC: \$2-\$4 M	TOTAL 5YR COST :		0.000	0.630	0.000	0.185	0.000	1.804	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 2 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022							
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027	
AQ CODE	COUNTY	TOTAL PROJECT COST										
NYS DOT <b>903828</b> BRIDGE <Exempt>	THIS PROJECT REPLACES THE BRIDGE DECKS ON THE STRUCTURES THAT CARRY RT 434 OVER CHOCONUT CREEK (BIN 1063329) AND RT 282 OVER SACKETTS CREEK (BIN 1090900) TO INCREASE THE SERVICE LIFE OF THE STRUCTURES. TOWN OF VESTAL, BROOME COUNTY AND TOWN OF NICHOLS, TIOGA COUNTY.	NHPP 01/2023 SDF 01/2023 NHPP 01/2023 SDF 01/2023 SDF 05/2022	0.264 0.066 2.640 0.660 0.000	CONINSP CONINSP CONST CONST DETLDES		0.264 0.066 2.640 0.660						
AQC:N/A	MULTI	<b>TPC: \$3.3-\$5.6 M</b>	<b>TOTAL 5YR COST :</b>			0.200	3.630	0.000	0.000	0.000	0.000	0.000
NYS DOT <b>903830</b> BIKE/PED <Exempt>	THIS PROJECT TRANSFORMS THE RT 363 CORRIDOR FROM SUSQUEHANNA ST TO WASHINGTON ST, FURNISHING BETTER RIVER ACCESS AND CONSTRUCTING SEPARATED BIKE/PED FACILITIES. CITY OF BINGHAMTON, BROOME COUNTY.	NHPP 01/2023 PIT BOND 01/2023 NHPP 01/2023 PIT BOND 01/2023 NHPP 10/2022 PIT BOND 10/2022 NHPP 10/2022 PIT BOND 10/2022	1.709 0.427 17.087 4.272 2.422 0.605 0.120 0.030	CONINSP CONINSP CONST CONST DETLDES DETLDES ROWACQU ROWACQU		1.709 0.427 17.087 4.272 2.422 0.605 0.120 0.030						
AQC:N/A	BROOME	<b>TPC: \$21-\$31 M</b>	<b>TOTAL 5YR COST :</b>			0.000	26.672	0.000	0.000	0.000	0.000	0.000
NYS DOT <b>904353</b> BRIDGE <Exempt>	THIS PROJECT PLACES DECK OVERLAYS AND DOES OTHER MINOR REHABILITATION WORK ON THREE BRIDGES (BINS 1008210, 1008220 AND 1008240) ALONG RT 11 IN THE TOWN OF CHENANGO, BROOME COUNTY.	NHPP 06/2023 SDF 06/2023 NHPP 06/2023 SDF 06/2023 NHPP 10/2022 SDF 10/2022	0.288 0.072 3.200 0.800 0.200 0.050	CONINSP CONINSP CONST CONST DETLDES DETLDES		0.288 0.072 3.200 0.800 0.200 0.050						
AQC:N/A	BROOME	<b>TPC: \$4.6-\$7.5 M</b>	<b>TOTAL 5YR COST :</b>			0.000	4.610	0.000	0.000	0.000	0.000	0.000
NYS DOT <b>904354</b> R&P <Exempt>	THIS PROJECT REPAIRS OR REPLACES A METAL RETAINING WALL ALONG US 11 (MILE POINT 9.65 TO 10.35) IN THE CITY OF BINGHAMTON, BROOME COUNTY.	SDF 01/2022 SDF 02/2023 STBG FLEX 08/2023 SDF 08/2023 STBG FLEX 08/2023 SDF 08/2023	0.000 0.500 0.400 0.100 4.000 1.000	PRELDES DETLDES CONINSP CONINSP CONST CONST	0.500	0.500 0.400 0.100 4.000 1.000						
AQC:N/A	BROOME	<b>TPC: \$6-\$9.4 M</b>	<b>TOTAL 5YR COST :</b>			0.500	6.000	0.000	0.000	0.000	0.000	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 3 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022							
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027	
AQ CODE	COUNTY	TOTAL PROJECT COST										
NYS DOT  <b>904356</b> R&P <Exempt>	THIS PROJECT MILLS AND RESURFACES THE ASPHALT PAVEMENT ALONG RT 11 (MP 9.58 TO 11.95) WITH A SINGLE COURSE WMA (WARM-MIX ASPHALT) TREATMENT, CONSISTING OF A TOP COURSE PRECEDED BY A SHIM OR TRUING & LEVELING COURSE. ADDITIONAL WORK INCLUDES THE REPLACEMENT OF NON-ADA COMPLIANT CURB RAMPS, MINOR DRAINAGE UPGRADES ALONG WITH PAVEMENT MARKINGS AND TRAFFIC SIGNAL LOOP DETECTORS. PEDESTRIAN FACILITIES ARE IMPROVED WITH THE NEWLY INSTALLED CURB RAMPS AND BICYCLE FACILITIES ARE IMPROVED WITH THE NEWLY RESURFACED SHOULDERS AND PAVEMENT MARKINGS. CITY OF BINGHAMTON, BROOME COUNTY.	SDF 01/2022	0.000	PRELDES	0.400							
		STBG FLEX 04/2025	0.320	CONINSP				0.320				
		SDF 04/2025	0.080	CONINSP				0.080				
		STBG FLEX 04/2025	3.200	CONST				3.200				
		SDF 04/2025	0.800	CONST				0.800				
		SDF 08/2023	0.600	DETLDES	0.600							
AQ:N/A	BROOME	<b>TPC: \$4.6-\$7.5 M</b>	<b>TOTAL 5YR COST :</b>	5.000		0.400	0.600	0.000	4.400	0.000	0.000	0.000
NYS DOT  <b>904716</b> R&P <Exempt>	THIS PROJECT MILLS AND RESURFACES RT 96 AND RT 17C IN THE VILLAGE OF OWEGO WITH A WMA (WARM-MIX ASPHALT) TOP COURSE. THE RT 96 PROJECT LIMITS ARE FROM THE COURT ST BRIDGE TO JUST SOUTH OF THE RAILROAD UNDERPASS. THE RT 17C PROJECT LIMITS ARE FROM LIBERTY ST TO CHURCH ST. ADDITIONAL WORK INCLUDES MINOR TRAFFIC SIGNAL MODIFICATIONS ALONG WITH NEW SIGNS AND PAVEMENT MARKINGS. A SEPARATE ADA CONTRACT IS INITIATED TO REPLACE THE NON-COMPLIANT CURB RAMPS. VILLAGE AND TOWN OF OWEGO, TIOGA COUNTY.	STBG FLEX 01/2023	0.076	CONINSP		0.076						
		SDF 01/2023	0.019	CONINSP		0.019						
		STBG FLEX 01/2023	0.840	CONST		0.840						
		SDF 01/2023	0.210	CONST		0.210						
		STBG FLEX 10/2022	0.040	DETLDES		0.040						
		SDF 10/2022	0.010	DETLDES		0.010						
AQ:N/A	TIOGA	<b>TPC: \$1.2-\$2.5 M</b>	<b>TOTAL 5YR COST :</b>	1.195		0.000	1.195	0.000	0.000	0.000	0.000	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 4 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022							
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027	
AQ CODE	COUNTY	TOTAL PROJECT COST										
NYS DOT  <b>906782</b> R&P <Exempt>	THIS PROJECT CRACK AND SEATS AND OVERLAYS RT 17 FROM APALACHIN TO THE BROOME COUNTY LINE (MP 22.94 TO MP 28.55). BRIDGE DECK REPLACEMENT IS BEING DONE ON 2 BRIDGES ON RT 17 (BINS 1054751, 1054752). ADDITIONAL WORK INCLUDES REPAIRING 20 CULVERTS, ADDING GUIDE RAILS, DRAINAGE AND GROUND-MOUNTED SIGN STRUCTURE UPGRADES. SAFETAP ITEMS ARE ALSO ADDRESSED. TOWN OF OWEGO, TIOGA COUNTY.	NHPP 10/2022	1.160	DETLDES		1.160						
		SDF 10/2022	0.290	DETLDES		0.290						
		NHPP 12/2022	2.440	CONINSP		2.440						
		SDF 12/2022	0.610	CONINSP		0.610						
		NHPP 12/2022	24.440	CONST		24.440						
		SDF 12/2022	6.100	CONST		6.100						
AQC:N/A	TIOGA	<b>TPC: \$40-\$60 M</b>	<b>TOTAL 5YR COST :</b>	35.040		0.000	35.040	0.000	0.000	0.000	0.000	0.000
NYS DOT  <b>906797</b> R&P <Exempt>	THIS CONTRACT CRACK & SEATS AND OVERLAYS 4.2 CENTERLINE MILES OF RT 17 (MP 18.27 TO 22.47) FROM THE BRIDGE OVER PUMPELLY CREEK IN THE VILLAGE OF OWEGO, TO THE BRIDGE OVER MARSHLAND ROAD IN THE TOWN OF OWEGO, TIOGA COUNTY. ADDITIONAL WORK INCLUDES NEW GUIDE RAILING AND MIARD INSTALLATION, DRAINAGE UPGRADES AND GROUND-MOUNTED SIGN STRUCTURE UPGRADES.	NHPP 01/2025	1.760	CONINSP				1.760				
		SDF 01/2025	0.440	CONINSP				0.440				
		NHPP 01/2025	17.600	CONST				17.600				
		SDF 01/2025	4.400	CONST				4.400				
		NHPP 03/2024	0.960	DETLDES			0.960					
		SDF 03/2024	0.240	DETLDES			0.240					
AQC:N/A	TIOGA	<b>TPC: \$21-\$31 M</b>	<b>TOTAL 5YR COST :</b>	25.400		0.800	0.000	1.200	24.200	0.000	0.000	0.000
NYS DOT  <b>906798</b> R&P <Exempt>	THIS PROJECT MILLS AND RESURFACES THE ASPHALT PAVEMENT AND SHOULDERS ON RT 962J (VALLEY VIEW DR) (MP 0.12 TO 0.41), WITH A WARM-MIX ASPHALT TOP COURSE. BICYCLE AND PEDESTRIAN FACILITIES ARE IMPROVED WITH THE NEWLY RESURFACED SHOULDERS AND PAVEMENT MARKINGS. TRAFFIC SIGNAL LOOPS ARE ALSO REPLACED. TOWN OF OWEGO, TIOGA COUNTY.	SDF 06/2022	0.000	PRELDES	0.005							
		SDF 08/2022	0.000	DETLDES	0.010							
		STBG FLEX 10/2022	0.012	CONINSP		0.012						
		SDF 10/2022	0.003	CONINSP		0.003						
		STBG FLEX 10/2022	0.120	CONST		0.120						
		SDF 10/2022	0.030	CONST		0.030						
AQC:N/A	TIOGA	<b>TPC: &lt;\$0.75 M</b>	<b>TOTAL 5YR COST :</b>	0.165		0.015	0.165	0.000	0.000	0.000	0.000	0.000
NYS DOT  <b>950123</b> BRIDGE <Exempt>	THIS PROJECT REMOVES THE EXISTING PEDESTRIAN BRIDGE (BIN 1031190) OVER I81 IN THE TOWN OF DICKINSON, BROOME COUNTY.	NHPP 05/2023	0.122	CONINSP		0.122						
		SDF 05/2023	0.014	CONINSP		0.014						
		NHPP 05/2023	1.350	CONST		1.350						
		SDF 05/2023	0.150	CONST		0.150						
		NHPP 10/2022	0.045	DETLDES		0.045						
AQC:N/A	BROOME	<b>TPC: \$1.2-\$2.5 M</b>	<b>TOTAL 5YR COST :</b>	1.686		0.000	1.686	0.000	0.000	0.000	0.000	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 5 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022						
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027
AQ CODE	COUNTY	TOTAL PROJECT COST									
NYSDOT <b>950125</b> BRIDGE <Exempt>	THIS PROJECT RETROFITS STRUCTURAL PILES TO REDUCE THE HYDRAULIC VULNERABILITY OF TWO BRIDGES (BINS 1013111 AND 1013112) CARRYING I-81 OVER LOUGHLIN ROAD IN THE TOWN OF KIRKWOOD, BROOME COUNTY.	NHFP 07/2022 NHFP 11/2022 NHFP 12/2022 NHFP 12/2022	0.000 0.300 0.500 5.900	PRELDES DETLDES CONINSP CONST	0.300	0.300 0.500 5.900					
AQC:N/A	BROOME	<b>TPC: \$6-\$9.4 M</b>	<b>TOTAL 5YR COST :</b>		6.700	0.300	6.700	0.000	0.000	0.000	0.000
NYSDOT <b>950127</b> BRIDGE <Exempt>	THIS PROJECT REPLACES BRIDGE BEARINGS, REPAIRS SUBSTRUCTURE CONCRETE, AND MAKES OTHER GENERAL REPAIRS ON TWO BRIDGES (BINS 1031161 AND 1031162) CARRYING I81 OVER RT 990G IN THE TOWN OF KIRKWOOD, BROOME COUNTY.	NHFP 10/2022 NHFP 11/2022 NHFP 11/2022 NHFP 11/2022	0.150 0.200 1.200 0.200	PRELDES CONINSP CONST DETLDES		0.150 0.200 1.200 0.200					
AQC:N/A	BROOME	<b>TPC: \$1.2-\$2.5 M</b>	<b>TOTAL 5YR COST :</b>		1.750	0.000	1.750	0.000	0.000	0.000	0.000
NYSDOT <b>950128</b> BRIDGE <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT WILL COMPLETE GENERAL REPAIRS ON 4 BRIDGES (BINS 1031081, 1031082, 1031121, 1031122) ON I81 IN ORDER TO EXTEND THE USEFUL LIFE OF THE STRUCTURES. TOWN OF KIRKWOOD, BROOME COUNTY.	NHPP 09/2024 SDF 09/2024 NHPP 09/2024 SDF 09/2024 SDF 10/2022 SDF 10/2023	0.270 0.030 2.700 0.300 0.200 0.100	CONINSP CONINSP CONST CONST PRELDES DETLDES		0.270 0.030 2.700 0.300 0.200 0.100					
AQC:N/A	BROOME	<b>TPC: \$3.3-\$5.6 M</b>	<b>TOTAL 5YR COST :</b>		3.600	0.000	0.200	3.400	0.000	0.000	0.000
LOCAL <b>975415</b> BRIDGE <Exempt>	THIS PROJECT REHABILITATES THE DEFICIENT STRUCTURE (BIN 3349750) THAT CARRIES HOOPER RD OVER PATTERSON CREEK, IN ORDER TO EXTEND THE LIFE OF THE BRIDGE. TOWN OF UNION, BROOME COUNTY	STBG FLEX 12/2022 LOCAL 12/2022 STBG FLEX 12/2022 LOCAL 12/2022	0.160 0.040 1.120 0.280	CONINSP CONINSP CONST CONST		0.160 0.040 1.120 0.280					
AQC:N/A	MULTI	<b>TPC: \$1.2-\$2.5 M</b>	<b>TOTAL 5YR COST :</b>		1.600	0.000	1.600	0.000	0.000	0.000	0.000
LOCAL <b>975437</b> TRAFFIC <Exempt>	THIS SAFETY PROJECT IDENTIFIES AND IMPLEMENTS IMPROVEMENTS ON MAIN STREET FROM FLORAL AVENUE TO FRONT STREET TO REDUCE THE NUMBER OF PEDESTRIAN AND BICYCLE ACCIDENTS. CITY OF BINGHAMTON, BROOME COUNTY.	HSIP 03/2023 HSIP 03/2023	0.271 3.007	CONINSP CONST		0.271 3.007					
AQC:N/A	BROOME	<b>TPC: \$3.3-\$5.6 M</b>	<b>TOTAL 5YR COST :</b>		3.278	0.000	3.278	0.000	0.000	0.000	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 6 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022							
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027	
AQ CODE	COUNTY	TOTAL PROJECT COST										
Vil of Endicott  975440 TRAFFIC <Exempt>	THIS PROJECT REPLACES THE DEFICIENT TRAFFIC SIGNAL AT THE INTERSECTION OF MCKINLEY AVE & WATSON BLVD. AN UPDATED SIGNAL WILL INCREASE MOBILITY AND SAFETY AND IMPROVE TRAFFIC. VILLAGE OF ENDICOTT, BROOME COUNTY.	STBG FLEX 10/2022 LOCAL 10/2022 STBG FLEX 10/2022 LOCAL 10/2022	0.041 0.011 0.480 0.120	CONINSP CONINSP CONST CONST		0.041 0.011 0.480 0.120						
AQC:N/A	BROOME	TPC: \$0.6-\$1.5 M	TOTAL 5YR COST :	0.652		0.000	0.652	0.000	0.000	0.000	0.000	0.000
LOCAL  975458 BRIDGE <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT REPAIRS SELECTED BRIDGES ON FEDERAL AID ELIGIBLE & NON-FEDERAL AID ELIGIBLE ROUTES IN ORDER TO PRESERVE AND EXTEND THE USEFUL LIFE OF THOSE STRUCTURES BEFORE THEY REQUIRE REHABILITATION OR REPLACEMENT. TIOGA COUNTY	STBG FLEX 05/2023 LOCAL 05/2023 STBG FLEX 05/2023 LOCAL 05/2023 STBG FLEX 10/2022 LOCAL 10/2022 STBG FLEX 12/2022 LOCAL 12/2022	0.020 0.005 0.180 0.045 0.005 0.001 0.003 0.001	CONINSP CONINSP CONST CONST PRELDES PRELDES DETLDES DETLDES		0.020 0.005 0.180 0.045 0.005 0.001 0.003 0.001						
AQC:N/A	TIOGA	TPC: <\$0.75 M	TOTAL 5YR COST :	0.260		0.000	0.260	0.000	0.000	0.000	0.000	0.000
LOCAL  975459 BRIDGE <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT REPAIRS SELECTED BRIDGES ON FEDERAL AID ELIGIBLE & NON-FEDERAL AID ELIGIBLE ROUTES IN ORDER TO PRESERVE AND EXTEND THE USEFUL LIFE OF THOSE STRUCTURES BEFORE THEY REQUIRE REHABILITATION OR REPLACEMENT. TIOGA COUNTY	STBG FLEX 04/2024 LOCAL 04/2024 STBG FLEX 04/2024 LOCAL 04/2024 STBG FLEX 10/2023 LOCAL 10/2023 STBG FLEX 12/2023 LOCAL 12/2023	0.020 0.005 0.180 0.045 0.005 0.001 0.003 0.001	CONINSP CONINSP CONST CONST PRELDES PRELDES DETLDES DETLDES			0.020 0.005 0.180 0.045 0.005 0.001 0.003 0.001					
AQC:N/A	TIOGA	TPC: <\$0.75 M	TOTAL 5YR COST :	0.260		0.000	0.000	0.260	0.000	0.000	0.000	0.000
LOCAL  975488 TRAFFIC <Exempt>	THIS SIGNAL UPGRADE PROJECT INCLUDES PEDESTRIAN ACCOMMODATIONS INCLUDING UPDATED SIGNAL AND ADA COMPLIANT CURB RAMPS AT THE INTERSECTION OF WATSON BLVD AND HAYES AVE IN ORDER TO INCREASE MOBILITY AND SAFETY. VILLAGE OF ENDICOTT, BROOME COUNTY.	STBG FLEX 04/2022 LOCAL 04/2022 STBG FLEX 04/2022 LOCAL 04/2022 STBG FLEX 12/2022 LOCAL 12/2022 STBG FLEX 12/2022 LOCAL 12/2022	0.000 0.000 0.000 0.000 0.066 0.016 0.559 0.140	DETLDES DETLDES ROWACQU ROWACQU CONINSP CONINSP CONST CONST	0.044 0.011 0.010 0.002		0.066 0.016 0.559 0.140					
AQC:N/A	BROOME	TPC: \$0.6-\$1.5 M	TOTAL 5YR COST :	0.781		0.067	0.781	0.000	0.000	0.000	0.000	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 7 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022							
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027	
AQ CODE	COUNTY	TOTAL PROJECT COST										
LOCAL <b>975490</b> BRIDGE <Exempt>	THIS PROJECT REPLACES THE EXISTING TWO-SPAN STRUCTURE (BIN 2218720) WITH A SINGLE SPAN STRUCTURE AND ELEVATES THE ROADWAY TO ALLOW FOR ADEQUATE HYDRAULIC CAPACITY. THIS BRIDGE EXTENDS FROM HARNICK RD OVER APALACHIN CREEK, IN THE TOWN OF OWEGO, TIOGA COUNTY.	STBG-OFF 09/2023 LOCAL 09/2023 STBG-OFF 09/2023 LOCAL 09/2023 STBG-OFF 10/2022 LOCAL 10/2022 STBG-OFF 10/2022 LOCAL 10/2022	0.096 0.024 0.949 0.352 0.136 0.035 0.013 0.003	CONINSP CONINSP CONST CONST DETLDES DETLDES ROWACQU ROWACQU		0.096 0.024 0.949 0.352 0.136 0.035 0.013 0.003						
AQC:N/A	TIOGA	<b>TPC: \$1.2-\$2.5 M</b>	<b>TOTAL 5YR COST :</b>		1.608	0.000	1.608	0.000	0.000	0.000	0.000	0.000
LOCAL <b>975491</b> BRIDGE <Exempt>	THIS PROJECT REPAIRS IDENTIFIED DEFICIENCIES ON THE BRIDGE CARRYING COLESVILLE RD EXTENSION (CR 177) OVER SUSQUEHANNA RIVER (BIN 3358690) TO RESTORE THE INTEGRITY OF THE STRUCTURAL ELEMENTS TO ENSURE THE BRIDGE REMAINS SERVICEABLE FOR THE NEXT 15 TO 20 YEARS. THIS MINOR REHABILITATION PROJECT INCLUDES BLASTING AND PAINTING OF THE FASCIA GIRDERS, ALL BEARINGS AND END DIAPHRAGMS, AS WELL AS REPAIRS OF SPALLED AND HOLLOW CONCRETE ON THE SUBSTRUCTURES. THE INTERIOR GIRDERS ARE CURRENTLY IN GOOD CONDITION, THEREFORE, THESE GIRDERS WILL NOT BE PAINTED AT THIS TIME. TOWN OF CONKLIN, BROOME COUNTY.	STBG FLEX 01/2023 LOCAL 01/2023 STBG FLEX 02/2022 LOCAL 02/2022 STBG FLEX 02/2024 LOCAL 02/2024 STBG FLEX 02/2024 LOCAL 02/2024	0.108 0.028 0.000 0.000 0.136 0.035 1.600 0.400	DETLDES DETLDES PRELDES PRELDES CONINSP CONINSP CONST CONST		0.108 0.028 0.120 0.031		0.136 0.035 1.600 0.400				
AQC:N/A	BROOME	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		2.307	0.151	0.136	2.171	0.000	0.000	0.000	0.000
LOCAL <b>975492</b> BRIDGE <Exempt>	THIS PROJECT REPLACES THE DECK OF THE BRIDGE (BIN 2225810) THAT CARRIES LESTER AVE OVER NORFOLK SOUTHERN RAILROAD. VILLAGE OF JOHNSON CITY, BROOME COUNTY.	STBG FLEX 04/2022 LOCAL 04/2022 STBG FLEX 10/2022 LOCAL 10/2022 STBG FLEX 10/2022 LOCAL 10/2022	0.000 0.000 0.272 0.068 1.970 0.492	DETLDES DETLDES CONINSP CONINSP CONST CONST		0.123 0.031 0.272 0.068 1.970 0.492						
AQC:N/A	BROOME	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		2.802	0.154	2.802	0.000	0.000	0.000	0.000	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 8 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022							
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027	
AQ CODE	COUNTY	TOTAL PROJECT COST										
Vil of Endicott  975493 TRAFFIC <Exempt>	THIS PROJECT INSTALLS NEW TRAFFIC SIGNALS, INCLUDING PEDESTRIAN SIGNALS, AND REPLACES EXISTING CURB RAMPS TO MEET ADA AND PROWAG STANDARDS AT THE INTERSECTIONS OF OAK HILL AVENUE/WITHERILL STREET AND WATSON BOULEVARD/OAK HILL AVENUE, IN THE VILLAGE OF ENDICOTT, BROOME COUNTY.	STBG FLEX 11/2024 LOCAL 11/2024 STBG FLEX 11/2024 LOCAL 11/2024	0.081 0.020 0.760 0.190	CONINSP CONINSP CONST CONST				0.081 0.020 0.760 0.190				
AQC:N/A	BROOME	<b>TPC: \$0.6-\$1.5 M</b>	<b>TOTAL 5YR COST :</b>		1.051	0.000	0.000	0.000	1.051	0.000	0.000	0.000
LOCAL  975494 SAFETY <Exempt>	LOCATED ON GLENMARY DR (MILE POINT 4.60 TO 4.64), THIS PROJECT INVOLVES REPLACING AN EXISTING LARGE BOX CULVERT WHICH HAS INADEQUATE CAPACITY AND NON-STANDARD BRIDGE RAIL WITH A NEW CULVERT THAN CAN ACCOMMODATE A 50-YEAR RAIN EVENT AND MEETS CURRENT DESIGN STANDARDS FOR BRIDGE RAIL. TOWN OF TIOGA, TIOGA COUNTY,	STBG FLEX 03/2022 LOCAL 03/2022 STBG FLEX 03/2022 LOCAL 03/2022 STBG FLEX 04/2023 LOCAL 04/2023 STBG FLEX 04/2023 LOCAL 04/2023 STBG FLEX 11/2021 LOCAL 11/2021 STBG FLEX 11/2021 LOCAL 11/2021	0.000 0.000 0.000 0.000 0.024 0.007 0.338 0.084 0.000 0.000 0.000 0.000	DETLDES DETLDES ROWACQU ROWACQU CONINSP CONINSP CONST CONST PRELDES PRELDES ROWINCD ROWINCD	0.020 0.005 0.007 0.003		0.024 0.007 0.338 0.084					
AQC:N/A	TIOGA	<b>TPC: &lt;\$0.75 M</b>	<b>TOTAL 5YR COST :</b>		0.453	0.065	0.453	0.000	0.000	0.000	0.000	0.000
LOCAL  975495 SAFETY <Exempt>	THIS PROJECT REPAIRS OR REPLACES EXISTING LARGE CULVERTS THROUGH COST-EFFECTIVE MAINTENANCE MEASURES WHERE POSSIBLE. THIS PROJECT EXTENDS THE USEFUL LIFE OF TIOGA COUNTY'S LARGE CULVERT INVENTORY, REDUCES CULVERT LIFE CYCLE COSTS, AND MAINTAINS MOTORIST SAFETY. VARIOUS FEDERAL AID ELIGIBLE LOCATIONS ON THE LOCAL SYSTEM IN TIOGA COUNTY, REGION 9.	STBG FLEX 03/2023 LOCAL 03/2023 STBG FLEX 07/2023 LOCAL 07/2023 STBG FLEX 07/2023 LOCAL 07/2023 STBG FLEX 10/2022 LOCAL 10/2022	0.016 0.004 0.024 0.007 0.240 0.060 0.016 0.004	DETLDES DETLDES CONINSP CONINSP CONST CONST PRELDES PRELDES			0.016 0.004 0.024 0.007 0.240 0.060 0.016 0.004					
AQC:N/A	TIOGA	<b>TPC: &lt;\$0.75 M</b>	<b>TOTAL 5YR COST :</b>		0.371	0.000	0.371	0.000	0.000	0.000	0.000	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 9 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022						
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027
AQ CODE	COUNTY	TOTAL PROJECT COST									
LOCAL <b>975513</b> BRIDGE <Exempt>	THIS PROJECT REHABILITATES THE STRUCTURE CARRYING CR 20 OVER MAIN ST (BIN 3349360) IN THE TOWN OF KIRKWOOD, BROOME COUNTY.	STBG FLEX 07/2023 LOCAL 07/2023 STBG FLEX 07/2023 LOCAL 07/2023 STBG FLEX 10/2022 LOCAL 10/2022 STBG FLEX 12/2022 LOCAL 12/2022	0.249 0.013 0.973 0.051 0.117 0.006 0.078 0.004	CONINSP CONINSP CONST CONST PRELDES PRELDES DETLDES DETLDES		0.249 0.013 0.973 0.051 0.117 0.006 0.078 0.004					
AQC:N/A	BROOME	<b>TPC: \$1.2-\$2.5 M</b>	<b>TOTAL 5YR COST :</b>		0.000	1.491	0.000	0.000	0.000	0.000	0.000
LOCAL <b>975514</b> BRIDGE <Exempt>	THIS PROJECT REPLACES THE EXISTING STRUCTURE CARRYING MAIN ST OVER BIG CHOCONUT CREEK (BIN 2225910). THE BRIDGE IS WIDENED TO MATCH THE APPROACH ROADWAY SECTION PROVIDING TWO TRAVEL LANES, SHOULDERS, AND A SIDEWALK ALONG THE EAST FASCIA. THE PROJECT INCLUDES NEW PILE FOUNDATIONS WHICH ALLOWS THE BRIDGE TO BE REMOVED FROM THE NYSDOT SCOUR CRITICAL LIST AND ELIMINATE THE NEED FOR THE CURRENT "PLAN OF ACTION" (POA). THE SOUTHBOUND LEG OF GLENWOOD RD WILL BE RELOCATED ADJACENT TO THE NORTHBOUND LEG TO FORM A CONVENTIONAL T-INTERSECTION AND PROVIDE A STAGING AREA FOR CONSTRUCTION OF THE REPLACEMENT BRIDGE. TOWN OF VESTAL, BROOME COUNTY.	STBG FLEX 04/2022 LOCAL 04/2022 STBG FLEX 04/2022 LOCAL 04/2022 STBG FLEX 10/2023 LOCAL 10/2023 STBG FLEX 10/2023 LOCAL 10/2023 STBG FLEX 11/2022 LOCAL 11/2022 STBG FLEX 11/2022 LOCAL 11/2022	0.000 0.000 0.000 0.000 0.285 0.015 2.667 0.140 0.127 0.007 0.019 0.001	PRELDES PRELDES ROWINCD ROWINCD CONINSP CONINSP CONST CONST DETLDES DETLDES ROWACQU ROWACQU	0.191 0.010 0.019 0.001		0.285 0.015 2.667 0.140	0.127 0.007 0.019 0.001			
AQC:N/A	BROOME	<b>TPC: \$3.3-\$5.6 M</b>	<b>TOTAL 5YR COST :</b>		0.221	0.154	3.107	0.000	0.000	0.000	0.000



**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 11 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022						
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027
AQ CODE	COUNTY	TOTAL PROJECT COST									
Village of Endicott  975533 R&P <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT WILL RESURFACE VESTAL AVE (FROM 231 VESTAL AVE TO NORTH ST) AND NORTH ST (FROM LIBERTY AVE TO VESTAL AVE). VILLAGE OF ENDICOTT, BROOME COUNTY	STBG FLEX 01/2026 LOCAL 01/2026 STBG FLEX 01/2026 LOCAL 01/2026 STBG FLEX 07/2024 LOCAL 07/2024 STBG FLEX 07/2025 LOCAL 07/2025	0.066 0.016 0.435 0.109 0.076 0.019 0.036 0.009	CONINSP CONINSP CONST CONST PRELDES PRELDES DETLDES DETLDES			0.076 0.019	0.036 0.009	0.066 0.016 0.435 0.109		
AQC:N/A	BROOME	<b>TPC: \$0.6-\$1.5 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.000	0.095	0.045	0.626	0.000	0.000
Broome County  975534 BRIDGE <Exempt>	THIS PROJECT PROVIDES MAINTENANCE OR MINOR REPAIRS ON 2 STRUCTURES ON CR20 BEFORE THEY REQUIRE REHABILITATION OR REPLACEMENT. BINS 3349250 & 3349370. TOWNS OF CONKLIN AND KIRKWOOD, BROOME COUNTY.	STBG FLEX 01/2025 LOCAL 01/2025 STBG FLEX 01/2025 LOCAL 01/2025 STBG FLEX 10/2023 LOCAL 10/2023 STBG FLEX 12/2022 LOCAL 12/2022	0.085 0.021 2.078 0.519 0.122 0.031 0.120 0.030	CONINSP CONINSP CONST CONST DETLDES DETLDES PRELDES PRELDES			0.122 0.031	0.120 0.030	0.085 0.021 2.078 0.519		
AQC:N/A	BROOME	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.150	0.153	2.703	0.000	0.000	0.000
Town of Vestal  975535 BRIDGE <Exempt>	THIS RECONSTRUCTION PROJECT WILL REPLACE THE STRUCTURE THAT CARRIES OWEGO ROAD OVER TRACY CREEK. BIN 2225860. TOWN OF VESTAL, BROOME COUNTY.	STBG FLEX 01/2027 LOCAL 01/2027 STBG FLEX 01/2027 LOCAL 01/2027 STBG FLEX 05/2026 LOCAL 05/2026 STBG FLEX 05/2026 LOCAL 05/2026 STBG FLEX 10/2024 LOCAL 10/2024 STBG FLEX 10/2024 LOCAL 10/2024	0.275 0.069 1.792 0.448 0.100 0.025 0.040 0.010 0.170 0.043 0.014 0.004	CONINSP CONINSP CONST CONST DETLDES DETLDES ROWACQU ROWACQU PRELDES PRELDES ROWINCD ROWINCD				0.100 0.025 0.040 0.010 0.170 0.043 0.014 0.004	0.275 0.069 1.792 0.448		
AQC:N/A	BROOME	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.000	0.000	0.231	0.175	2.584	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 12 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022						
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027
AQ CODE	COUNTY	TOTAL PROJECT COST									
Broome County  975536 BRIDGE <Exempt>	THIS PROJECT WILL AND PAINT AND PROVIDE MINOR REPAIRS TO THE VESTAL-ENDICOTT BRIDGE IN ORDER TO PROLONG THE USEFUL LIFE OF THE STRUCTURE. BIN 3349850 TOWN OF VESTAL, BROOME COUNTY.	STBG FLEX 01/2027 LOCAL 01/2027 STBG FLEX 01/2027 LOCAL 01/2027 STBG FLEX 05/2026 LOCAL 05/2026 STBG FLEX 10/2025 LOCAL 10/2025	0.176 0.044 1.804 0.451 0.117 0.029 0.099 0.025	CONINSP CONINSP CONST CONST DETLDES DETLDES PRELDES PRELDES							0.176 0.044 1.804 0.451  0.117 0.029 0.099 0.025
AQC:N/A	BROOME	TPC: \$2-\$4 M	TOTAL 5YR COST :		0.000	0.000	0.000	0.000	0.270	2.475	0.000
Tioga County  975537 MISC <Exempt>	THIS RECONSTRUCTION PROJECT WILL REPLACE THE EXISTING CULVERT ON DAY HOLLOW ROAD, (APPROXIMATELY .03 MILES). TOWN OF OWEGO, TIOGA COUNTY.	STBG FLEX 01/2025 LOCAL 01/2025 STBG FLEX 01/2025 LOCAL 01/2025 STBG FLEX 10/2022 LOCAL 10/2022 STBG FLEX 10/2022 LOCAL 10/2022 STBG FLEX 10/2023 LOCAL 10/2023 STBG FLEX 10/2023 LOCAL 10/2023	0.056 0.014 0.390 0.098 0.060 0.014 0.004 0.001 0.065 0.016 0.016 0.004	CONINSP CONINSP CONST CONST PRELDES PRELDES ROWINCD ROWINCD DETLDES DETLDES ROWACQU ROWACQU				0.056 0.014 0.390 0.098  0.060 0.014 0.004 0.001  0.065 0.016 0.016 0.004			
AQC:N/A	TIOGA	TPC: \$0.6-\$1.5 M	TOTAL 5YR COST :		0.000	0.079	0.101	0.558	0.000	0.000	0.000
Tioga County  975538 BRIDGE <Exempt>	THIS RECONSTRUCTION PROJECT WILL REPLACE THE STRUCTURE THAT CARRIES GLENMARY DRIVE OVER OWEGO CREEK. BIN 3335110. TOWN OF OWEGO, TIOGA COUNTY	STBG FLEX 01/2026 LOCAL 01/2026 STBG FLEX 01/2026 LOCAL 01/2026 STBG FLEX 05/2024 LOCAL 05/2024 STBG FLEX 07/2025 LOCAL 07/2025	0.130 0.032 1.162 0.291 0.149 0.037 0.106 0.027	CONINSP CONINSP CONST CONST PRELDES PRELDES DETLDES DETLDES							0.130 0.032 1.162 0.291  0.149 0.037 0.106 0.027
AQC:N/A	TIOGA	TPC: \$1.2-\$2.5 M	TOTAL 5YR COST :		0.000	0.000	0.186	0.133	1.615	0.000	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 13 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022							
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027	
AQ CODE	COUNTY	TOTAL PROJECT COST										
Town of Owego  975539 BRIDGE <Exempt>	THIS RECONSTRUCTION PROJECT WILL REPLACE THE VALLEY ROAD BRIDGE. BIN 2218790. TOWN OF OWEGO, TIOGA COUNTY.	STBG-OFF 01/2027	0.088	CONINSP							0.088	
		LOCAL 01/2027	0.022	CONINSP							0.022	
		STBG-OFF 01/2027	0.880	CONST								0.880
		LOCAL 01/2027	0.220	CONST								0.220
		STBG-OFF 05/2025	0.074	DETLDES				0.074				
		LOCAL 05/2025	0.018	DETLDES				0.018				
		STBG-OFF 05/2025	0.012	ROWACQU				0.012				
		LOCAL 05/2025	0.003	ROWACQU				0.003				
		STBG-OFF 12/2023	0.106	PRELDES			0.106					
		LOCAL 12/2023	0.027	PRELDES			0.027					
		STBG-OFF 12/2023	0.028	ROWINCD			0.028					
LOCAL 12/2023	0.007	ROWINCD			0.007							
AQC:N/A	TIOGA	<b>TPC: \$1.2-\$2.5 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.000	0.168	0.107	0.000	1.210	0.000	
Broome County  975540 TRAFFIC <Exempt>	THIS PROJECT REPLACES THE TRAFFIC SIGNAL AT THE INTERSECTION OF HOOPER ROAD AND PRUYNE STREET. AN UPDATED SIGNAL WILL INCREASE MOBILITY AND SAFETY AND IMPROVE TRAFFIC. TOWN OF UNION, BROOME COUNTY.	STBG FLEX 01/2027	0.106	CONINSP							0.106	
		LOCAL 01/2027	0.026	CONINSP								0.026
		STBG FLEX 01/2027	0.418	CONST								0.418
		LOCAL 01/2027	0.105	CONST								0.105
		STBG FLEX 10/2023	0.064	PRELDES			0.064					
		LOCAL 10/2023	0.016	PRELDES			0.016					
		STBG FLEX 10/2023	0.034	ROWINCD			0.034					
		LOCAL 10/2023	0.008	ROWINCD			0.008					
		STBG FLEX 10/2024	0.046	DETLDES				0.046				
		LOCAL 10/2024	0.012	DETLDES				0.012				
		STBG FLEX 10/2024	0.007	ROWACQU				0.007				
LOCAL 10/2024	0.001	ROWACQU				0.001						
AQC:N/A	BROOME	<b>TPC: \$0.6-\$1.5 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.000	0.122	0.066	0.000	0.655	0.000	
Broome County  975541 BRIDGE <Exempt>	THIS PROJECT WILL REPAIR DETERIORATED BRIDGE COMPONENTS, REPLACE VARIOUS ELEMENTS AND REMOVE EXISTING ASPHALT AND RESURFACE ALL 3 BRIDGES IN ORDER TO PROLONG THE USEFUL LIFE OF THE STRUCTURES. BINS 3349870, 3349880, 3349890. TOWN OF VESTAL, BROOME COUNTY.	STBG FLEX 01/2026	0.056	CONINSP					0.056			
		LOCAL 01/2026	0.014	CONINSP					0.014			
		STBG FLEX 01/2026	0.346	CONST					0.346			
		LOCAL 01/2026	0.086	CONST					0.086			
		STBG FLEX 07/2025	0.036	DETLDES			0.036					
		LOCAL 07/2025	0.009	DETLDES			0.009					
		STBG FLEX 10/2024	0.036	PRELDES			0.036					
		LOCAL 10/2024	0.009	PRELDES			0.009					
AQC:N/A	BROOME	<b>TPC: &lt;\$0.75 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.000	0.000	0.090	0.502	0.000	0.000	

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 14 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022							
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027	
AQ CODE	COUNTY	TOTAL PROJECT COST										
NYS DOT  <b>980730</b> MISC <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT MODIFIES OR REPLACES DEFICIENT OVERHEAD SIGNS AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN BROOME AND SULLIVAN COUNTIES.	NHPP 05/2025	0.200	CONINSP				0.200				
		SDF 05/2025	0.050	CONINSP				0.050				
		NHPP 05/2025	2.000	CONST				2.000				
		SDF 05/2025	0.500	CONST				0.500				
		NHPP 06/2022	0.000	PRELDES	0.240							
		SDF 06/2022	0.000	PRELDES	0.060							
		NHPP 09/2024	0.160	DETLDES			0.160					
		SDF 09/2024	0.040	DETLDES			0.040					
AQC:N/A	MULTI	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>	2.950		0.300	0.000	0.200	2.750	0.000	0.000	0.000
NYS DOT  <b>980731</b> BRIDGE <Exempt>	THIS PROJECT SCOUR REPAIRS 8 FEDERAL AID ELIGIBLE STRUCTURES (BINS: 1040670, 1009210, 1095160, 1013390, 1035420, 1053500, 1062111) IN BROOME, CHENANGO, DELAWARE, SULLIVAN AND TIOGA COUNTIES.	STBG FLEX 10/2022	0.072	DETLDES		0.072						
		SDF 10/2022	0.018	DETLDES		0.018						
		STBG FLEX 10/2022	0.066	ROWACQU		0.066						
		SDF 10/2022	0.017	ROWACQU		0.017						
		NHPP 12/2022	0.017	CONINSP		0.017						
		SDF 12/2022	0.004	CONINSP		0.004						
		STBG FLEX 12/2022	0.023	CONINSP		0.023						
		SDF 12/2022	0.006	CONINSP		0.006						
		NHPP 12/2022	0.172	CONST		0.172						
		SDF 12/2022	0.043	CONST		0.043						
		STBG FLEX 12/2022	0.228	CONST		0.228						
SDF 12/2022	0.057	CONST		0.057								
AQC:N/A	MULTI	<b>TPC: \$0.6-\$1.5 M</b>	<b>TOTAL 5YR COST :</b>	0.723		0.000	0.723	0.000	0.000	0.000	0.000	0.000
NYS DOT  <b>980755</b> SAFETY <Exempt>	THIS PROJECT WOULD LINE SMALL CULVERTS UNDER DEEP FILL PRIMARILY ALONG INTERSTATES OR NYS ROUTE 17.	STBG FLEX 12/2024	0.320	PRELDES				0.320				
		SDF 12/2024	0.080	PRELDES				0.080				
		STBG FLEX 12/2024	0.006	ROWINCD				0.006				
		SDF 12/2024	0.002	ROWINCD				0.002				
		STBG FLEX 12/2025	0.200	DETLDES					0.200			
		SDF 12/2025	0.050	DETLDES					0.050			
		STBG FLEX 12/2025	0.013	ROWACQU					0.013			
		SDF 12/2025	0.003	ROWACQU					0.003			
		STBG FLEX 12/2026	0.264	CONINSP						0.264		
		SDF 12/2026	0.066	CONINSP						0.066		
STBG FLEX 12/2026	2.664	CONST						2.664				
SDF 12/2026	0.666	CONST						0.666				
AQC:N/A	MULTI	<b>TPC: \$3.3-\$5.6 M</b>	<b>TOTAL 5YR COST :</b>	4.334		0.000	0.000	0.000	0.408	0.266	3.660	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***  
**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**  
**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022								
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027		
AQ CODE	COUNTY	TOTAL PROJECT COST											
NYS DOT  <b>980760</b> MOBIL <Exempt>	THE PURPOSE OF THIS CONTRACT IS TO REHAB OR REPLACE EXISTING PERMANENT VARIABLE MESSAGE SIGNS (VMS) THAT ARE OUTDATED AND NEED VARIOUS REPAIRS TO BRING THEM BACK TO WORKING AT THEIR FULL CAPACITY.	STBG FLEX 04/2024	0.040	PRELDES			0.040						
		SDF 04/2024	0.010	PRELDES			0.010						
		STBG FLEX 10/2026	0.192	CONINSP							0.192		
		SDF 10/2026	0.048	CONINSP							0.048		
		STBG FLEX 10/2026	1.920	CONST							1.920		
		SDF 10/2026	0.480	CONST							0.480		
AQC:N/A	BROOME	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		2.690		0.000	0.000	0.050	0.000	0.000	2.640	0.000
Broome Co  <b>982175</b> TRANSIT <Exempt>	BROOME COUNTY TRANSIT PREVENTIVE MAINTENANCE FFY23-FFY27	FTA 5307 01/2022	0.000	OPER	1.600								
		LOCAL 01/2022	0.000	OPER	0.200								
		STATE 01/2022	0.000	OPER	0.200								
		FTA 5307 01/2023	2.000	OPER		2.000							
		LOCAL 01/2023	0.250	OPER		0.250							
		STATE 01/2023	0.250	OPER		0.250							
		FTA 5307 01/2024	2.000	OPER			2.000						
		LOCAL 01/2024	0.250	OPER			0.250						
		STATE 01/2024	0.250	OPER			0.250						
		FTA 5307 01/2025	2.000	OPER				2.000					
		LOCAL 01/2025	0.250	OPER				0.250					
		STATE 01/2025	0.250	OPER				0.250					
		FTA 5307 01/2026	2.000	OPER					2.000				
		LOCAL 01/2026	0.250	OPER					0.250				
		STATE 01/2026	0.250	OPER					0.250				
AQC:N/A	BROOME	<b>TPC: \$12.5-\$19 M</b>	<b>TOTAL 5YR COST :</b>		12.500		2.000	2.500	2.500	2.500	2.500	2.500	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 16 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022						
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027
AQ CODE	COUNTY	TOTAL PROJECT COST									
Broome Co  <b>982176</b> TRANSIT <Exempt>	BC TRANSIT FIXED ROUTE OPERATING ASSISTANCE FFY23 - FFY27	FTA 5307 01/2022	0.000	OPER	2.209						
		LOCAL 01/2022	0.000	OPER	3.209						
		STATE 01/2022	0.000	OPER	3.750						
		FTA 5307 01/2023	3.477	OPER		3.477					
		LOCAL 01/2023	3.477	OPER		3.477					
		FTA 5307 01/2024	3.620	OPER			3.620				
		LOCAL 01/2024	3.620	OPER			3.620				
		FTA 5307 01/2025	3.736	OPER				3.736			
		LOCAL 01/2025	3.736	OPER				3.736			
		FTA 5307 01/2026	3.882	OPER					3.882		
		LOCAL 01/2026	3.882	OPER					3.882		
		FTA 5307 01/2027	4.002	OPER						4.002	
		LOCAL 01/2027	4.002	OPER						4.002	
		AQC:N/A	BROOME	<b>TPC: \$40-\$60 M</b>	<b>TOTAL 5YR COST :</b>		9.168	6.954	7.240	7.472	7.764
Broome Co,  <b>982177</b> TRANSIT <Exempt>	THIS PROJECT WILL BE USED TO PURCHASE REPLACEMENT VEHICLES, FACILITY EQUIPMENT AND REPAIRS AS DEEMED NECESSARY FROM FFY 23 THROUGH FFY 27 TO IMPROVE EFFICIENCY IN OPERATIONS. BROOME CO (FTA 5339)	FTA 5339 01/2022	0.000	VEHEQUIP	0.355						
		LOCAL 01/2022	0.000	VEHEQUIP	0.044						
		STATE 01/2022	0.000	VEHEQUIP	0.044						
		FTA 5339 01/2023	0.283	VEHEQUIP		0.283					
		LOCAL 01/2023	0.035	VEHEQUIP		0.035					
		STATE 01/2023	0.035	VEHEQUIP		0.035					
		FTA 5339 01/2024	0.288	VEHEQUIP			0.288				
		LOCAL 01/2024	0.036	VEHEQUIP			0.036				
		STATE 01/2024	0.036	VEHEQUIP			0.036				
		FTA 5339 01/2025	0.294	VEHEQUIP				0.294			
		LOCAL 01/2025	0.037	VEHEQUIP				0.037			
		STATE 01/2025	0.037	VEHEQUIP				0.037			
		FTA 5339 01/2026	0.300	VEHEQUIP					0.300		
		LOCAL 01/2026	0.038	VEHEQUIP					0.038		
		STATE 01/2026	0.038	VEHEQUIP					0.038		
		FTA 5339 01/2027	0.306	VEHEQUIP						0.306	
LOCAL 01/2027	0.038	VEHEQUIP						0.038			
STATE 01/2027	0.038	VEHEQUIP						0.038			
AQC:N/A	BROOME	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		0.443	0.353	0.360	0.368	0.376	0.382	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 17 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022						
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027
AQ CODE	COUNTY	TOTAL PROJECT COST									
Broome Co <b>982178</b> TRANSIT <Exempt>	THIS PROJECT WILL BE USED TO PURCHASE REPLACEMENT VEHICLES, FACILITY EQUIPMENT AND REPAIRS AS DEEMED NECESSARY FROM FFY 23 THROUGH FFY 27 TO IMPROVE EFFICIENCY IN OPERATIONS. BROOME CO (FTA 5339 ND)	FTA 5339 ND 01/2022	0.000	VEHEQUIP	0.914						
		LOCAL 01/2022	0.000	VEHEQUIP	0.115						
		STATE 01/2022	0.000	VEHEQUIP	0.115						
		FTA 5339 ND 01/2023	0.984	VEHEQUIP		0.984					
		LOCAL 01/2023	0.123	VEHEQUIP		0.123					
		STATE 01/2023	0.123	VEHEQUIP		0.123					
		FTA 5339 ND 01/2024	1.004	VEHEQUIP			1.004				
		LOCAL 01/2024	0.126	VEHEQUIP			0.126				
		STATE 01/2024	0.126	VEHEQUIP			0.126				
		FTA 5339 ND 01/2025	1.024	VEHEQUIP				1.024			
		LOCAL 01/2025	0.128	VEHEQUIP				0.128			
		STATE 01/2025	0.128	VEHEQUIP				0.128			
		FTA 5339 ND 01/2026	1.045	VEHEQUIP					1.045		
		LOCAL 01/2026	0.131	VEHEQUIP					0.131		
STATE 01/2026	0.131	VEHEQUIP					0.131				
FTA 5339 ND 01/2027	1.066	VEHEQUIP						1.066			
LOCAL 01/2027	0.133	VEHEQUIP						0.133			
STATE 01/2027	0.133	VEHEQUIP						0.133			
AQC:N/A	BROOME	<b>TPC: \$6-\$9.4 M</b>	<b>TOTAL 5YR COST :</b>		1.144	1.230	1.256	1.280	1.307	1.332	0.000
Broome Co <b>982179</b> TRANSIT <Exempt>	THIS PROJECT WILL PROVIDE FUNDING FOR THE ENHANCED MOBILITY OF SENIORS AND INDIVIDUALS WITH DISABILITIES IN BROOME COUNTY FFY23 THROUGH FFY27. (5310)	FTA 5310 01/2022	0.000	OPER	0.337						
		FTA 5310 01/2023	0.623	OPER		0.623					
		FTA 5310 01/2024	0.640	OPER			0.640				
		FTA 5310 01/2025	0.653	OPER				0.653			
		FTA 5310 01/2026	0.670	OPER					0.670		
		FTA 5310 01/2027	0.683	OPER						0.683	
AQC:N/A	BROOME	<b>TPC: \$3.3-\$5.6 M</b>	<b>TOTAL 5YR COST :</b>		0.337	0.623	0.640	0.653	0.670	0.683	0.000
NYS DOT <b>9ADA20</b> MOBIL <Exempt>	THIS PROJECT IS DEVELOPED TO REMOVE AND REPLACE CURB RAMPS AND SIDEWALKS THAT ARE NOT IN COMPLIANCE WITH THE ADA. VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN BROOME, CHENANGO, DELAWARE, AND OTSEGO COUNTIES.	STBG FLEX 10/2021	0.000	DETLDES	0.067						
		SDF 10/2021	0.000	DETLDES	0.017						
		SDF 10/2021	0.000	ROWACQU	0.233						
		SDF 10/2021	0.000	ROWINCD	0.143						
		STBG FLEX 10/2022	0.105	CONINSP		0.105					
		SDF 10/2022	0.026	CONINSP		0.026					
		STBG FLEX 10/2022	1.049	CONST		1.049					
		SDF 10/2022	0.262	CONST		0.262					
AQC:N/A	MULTI	<b>TPC: \$1.2-\$2.5 M</b>	<b>TOTAL 5YR COST :</b>		0.460	1.442	0.000	0.000	0.000	0.000	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 18 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022						
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027
AQ CODE	COUNTY	TOTAL PROJECT COST									
NYS DOT <b>9ADA22</b> BIKE/PED <Exempt>	THIS PROJECT DESIGNS, REMOVES AND REPLACES OR REHABILITATES RAMPS AND SIDEWALKS IN VARIOUS FEDERAL AID ELIGIBLE LOCATIONS THROUGHOUT REGION 9, TO BRING THEM INTO COMPLIANCE WITH CURRENT STATE AND FEDERAL STANDARDS. CHENANGO, DELAWARE, OTSEGO & TIOGA COUNTIES.	SDF 03/2022	0.000	DETLDES	0.193						
		SDF 03/2022	0.000	PRELDES	0.412						
		STBG FLEX 11/2023	0.135	CONINSP			0.135				
		SDF 11/2023	0.034	CONINSP			0.034				
		STBG FLEX 11/2023	1.040	CONST			1.040				
		SDF 11/2023	0.260	CONST			0.260				
AQC:N/A	MULTI	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		0.605	0.000	1.469	0.000	0.000	0.000	0.000
NYS DOT <b>9ADA24</b> MOBIL <Exempt>	THIS PROJECT EVALUATES RAMPS AND SIDEWALKS ALONG ROUTES IN VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9 ACCORDING TO ADAAG STANDARDS. THIS PROJECT REHABILITATES OR REPLACES DEFICIENT RAMPS AND SIDEWALKS ACCORDING TO PROWAG AND CHAPTER 18 GUIDANCE.	SDF 03/2024	0.097	DETLDES			0.097				
		STBG FLEX 03/2024	0.030	ROWACQU			0.030				
		SDF 03/2024	0.007	ROWACQU			0.007				
		SDF 12/2021	0.000	PRELDES	0.189						
		SDF 12/2021	0.000	ROWINCD	0.016						
		STBG FLEX 12/2024	0.110	CONINSP				0.110			
		SDF 12/2024	0.028	CONINSP				0.028			
		STBG FLEX 12/2024	0.818	CONST				0.818			
SDF 12/2024	0.205	CONST				0.205					
AQC:N/A	MULTI	<b>TPC: \$1.2-\$2.5 M</b>	<b>TOTAL 5YR COST :</b>		0.205	0.000	0.134	1.161	0.000	0.000	0.000
NYS DOT <b>9ADA26</b> MOBIL <Exempt>	THIS PROJECT EVALUATES RAMPS AND SIDEWALKS ALONG ROUTES IN VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9 ACCORDING TO ADAAG STANDARDS. THIS PROJECT REHABILITATES OR REPLACES DEFICIENT RAMPS AND SIDEWALKS ACCORDING TO PROWAG AND CHAPTER 18 GUIDANCE.	SDF 03/2026	0.097	DETLDES					0.097		
		STBG FLEX 03/2026	0.030	ROWACQU					0.030		
		SDF 03/2026	0.007	ROWACQU					0.007		
		SDF 09/2023	0.189	PRELDES		0.189					
		STBG FLEX 09/2023	0.013	ROWINCD		0.013					
		SDF 09/2023	0.003	ROWINCD		0.003					
		STBG FLEX 12/2026	0.094	CONINSP						0.094	
		SDF 12/2026	0.024	CONINSP						0.024	
STBG FLEX 12/2026	0.790	CONST						0.790			
SDF 12/2026	0.198	CONST						0.198			
AQC:N/A	MULTI	<b>TPC: \$1.2-\$2.5 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.205	0.000	0.000	0.134	1.106	0.000
NYS DOT <b>9ADA28</b> MOBIL <Exempt>	THIS PROJECT EVALUATES RAMPS AND SIDEWALKS ALONG ROUTES IN VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9 ACCORDING TO ADAAG STANDARDS. THIS PROJECT REHABILITATES OR REPLACES DEFICIENT RAMPS AND SIDEWALKS ACCORDING TO PROWAG AND CHAPTER 18 GUIDANCE.	SDF 03/2028	0.000	DETLDES							0.136
		STBG FLEX 03/2028	0.000	ROWACQU							0.030
		SDF 03/2028	0.000	ROWACQU							0.007
		SDF 09/2025	0.204	PRELDES				0.204			
		STBG FLEX 09/2025	0.013	ROWINCD				0.013			
		SDF 09/2025	0.003	ROWINCD				0.003			
AQC:N/A	MULTI	<b>TPC: \$1.2-\$2.5 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.000	0.000	0.220	0.000	0.000	0.173

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 19 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022						
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027
AQ CODE	COUNTY	TOTAL PROJECT COST									
NYS DOT <b>9FAS22</b> TRAFFIC <Exempt>	THIS SIGNAL PROJECT REPLACES 6 TRAFFIC SIGNAL SYSTEMS ON RT 17C AND RT 26 IN THE TOWN OF UNION AND VILLAGE OF ENDICOTT, BROOME COUNTY.	STBG FLEX 04/2023	0.101	CONINSP		0.101					
		SDF 04/2023	0.025	CONINSP		0.025					
		STBG FLEX 04/2023	1.012	CONST		1.012					
		SDF 04/2023	0.253	CONST		0.253					
AQC:N/A	BROOME	<b>TPC: \$1.2-\$2.5 M</b>	<b>TOTAL 5YR COST :</b>		1.391	0.000	1.391	0.000	0.000	0.000	0.000
NYS DOT <b>9FAS24</b> TRAFFIC <Exempt>	THIS PROJECT REPLACES 13 TRAFFIC SIGNALS AND 23 EMBEDDED SIGNAL POLES AND OTHER EQUIPMENT AT 14 INTERSECTIONS IN BROOME, CHENANGO, OTSEGO, SCHOHARIE, SULLIVAN, AND TIOGA COUNTIES.	STBG FLEX 09/2024	0.280	CONINSP			0.280				
		SDF 09/2024	0.070	CONINSP			0.070				
		STBG FLEX 09/2024	2.800	CONST			2.800				
		SDF 09/2024	0.700	CONST			0.700				
		SDF 10/2021	0.000	PRELDES	0.336						
		SDF 10/2021	0.000	ROWINCD	0.014						
		SDF 12/2023	0.224	DETLDES			0.224				
AQC:N/A	MULTI	<b>TPC: \$3.3-\$5.6 M</b>	<b>TOTAL 5YR COST :</b>		4.106	0.350	0.000	4.106	0.000	0.000	0.000
NYS DOT <b>9FAS26</b> TRAFFIC <Exempt>	THIS PROJECT REPLACES TRAFFIC SIGNALS AND EMBEDDED SIGNAL POLES AND OTHER EQUIPMENT AT FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9.	SDF 01/2023	0.300	PRELDES		0.300					
		SDF 01/2023	0.015	ROWINCD		0.015					
		STBG FLEX 09/2025	0.224	CONINSP				0.224			
		SDF 09/2025	0.056	CONINSP				0.056			
		STBG FLEX 09/2025	2.240	CONST				2.240			
		SDF 09/2025	0.560	CONST				0.560			
		SDF 11/2024	0.200	DETLDES				0.200			
AQC:N/A	MULTI	<b>TPC: \$3.3-\$5.6 M</b>	<b>TOTAL 5YR COST :</b>		3.625	0.000	0.315	0.000	3.310	0.000	0.000
NYS DOT <b>9FAS28</b> TRAFFIC <Exempt>	THIS PROJECT REPLACES TRAFFIC SIGNALS AND EMBEDDED SIGNAL POLES AND OTHER EQUIPMENT AT FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9.	SDF 01/2025	0.300	PRELDES				0.300			
		SDF 01/2025	0.015	ROWINCD				0.015			
		STBG FLEX 09/2027	0.224	CONINSP						0.224	
		SDF 09/2027	0.056	CONINSP						0.056	
		STBG FLEX 09/2027	2.240	CONST						2.240	
		SDF 09/2027	0.560	CONST						0.560	
		SDF 11/2026	0.200	DETLDES						0.200	
AQC:N/A	MULTI	<b>TPC: \$3.3-\$5.6 M</b>	<b>TOTAL 5YR COST :</b>		3.625	0.000	0.000	0.000	0.315	0.000	3.310

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 20 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022						
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027
AQ CODE	COUNTY	TOTAL PROJECT COST									
NYSDOT <b>9ITS23</b> TRAFFIC <Exempt>	PROJECT IS USED TO FUND THE OPERATION OF THE TRANSPORTATION OPERATIONS CENTER (TOC), AND TO FUND ITS EXPENSES FROM 4/1/2023 TO 3/31/2024. BINGHAMTON URBAN AREA, BROOME COUNTY.	NHPP 04/2023 SDF 04/2023	0.800 0.200	OPER OPER		0.800 0.200					
AQC:N/A	BROOME	<b>TPC: \$0.6-\$1.5 M</b>	<b>TOTAL 5YR COST :</b>		0.000	1.000	0.000	0.000	0.000	0.000	0.000
NYSDOT <b>9ITS24</b> TRAFFIC <Exempt>	PROJECT IS USED TO FUND THE OPERATION OF THE TRANSPORTATION OPERATIONS CENTER (TOC) AND TO FUND ITS EXPENSES FROM 4/1/2024 TO 3/31/2025. BINGHAMTON URBAN AREA, BROOME COUNTY.	NHPP 04/2024 SDF 04/2024	0.800 0.200	OPER OPER			0.800 0.200				
AQC:N/A	BROOME	<b>TPC: \$0.6-\$1.5 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.000	1.000	0.000	0.000	0.000	0.000
NYSDOT <b>9ITS25</b> TRAFFIC <Exempt>	PROJECT IS USED TO FUND THE OPERATION OF THE TRANSPORTATION OPERATIONS CENTER (TOC) AND TO FUND ITS EXPENSES FROM 4/1/2025 TO 3/31/2026. BINGHAMTON URBAN AREA, BROOME COUNTY.	NHPP 04/2025 SDF 04/2025	0.800 0.200	OPER OPER				0.800 0.200			
AQC:N/A	BROOME	<b>TPC: \$0.6-\$1.5 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.000	0.000	1.000	0.000	0.000	0.000
NYSDOT <b>9ITS26</b> TRAFFIC <Exempt>	PROJECT IS USED TO FUND THE OPERATION OF THE TRANSPORTATION OPERATIONS CENTER (TOC) AND TO FUND ITS EXPENSES FROM 4/1/2026 TO 3/31/2027. BINGHAMTON URBAN AREA, BROOME COUNTY.	NHPP 04/2026 SDF 04/2026	0.800 0.200	OPER OPER					0.800 0.200		
AQC:N/A	BROOME	<b>TPC: \$0.6-\$1.5 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.000	0.000	0.000	1.000	0.000	0.000
NYSDOT <b>9ITS27</b> TRAFFIC <Exempt>	PROJECT IS USED TO FUND THE OPERATION OF THE TRANSPORTATION OPERATIONS CENTER (TOC) AND TO FUND ITS EXPENSES FROM 4/1/2027 TO 3/31/2028. BINGHAMTON URBAN AREA, BROOME COUNTY.	NHPP 04/2027 SDF 04/2027	0.800 0.200	OPER OPER						0.800 0.200	
AQC:N/A	MULTI	<b>TPC: \$0.6-\$1.5 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.000	0.000	0.000	0.000	1.000	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022							
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027	
AQ CODE	COUNTY	TOTAL PROJECT COST										
NYS DOT  <b>9JOB0B</b> BRIDGE <Exempt>	THIS JOB ORDER CONTRACT FOR BRIDGES IS A PREVENTIVE MAINTENANCE TYPE PROJECT WHICH IS USED TO REPAIR BRIDGES INCLUDING BEARINGS, PEDESTALS JOINTS AND APPROACH SLABS THROUGHOUT REGION 9. (BLOCK FUND)	STBG FLEX 02/2023	2.640	MISC		2.640						
		SDF 02/2023	0.660	MISC		0.660						
		STBG FLEX 02/2024	2.640	MISC			2.640					
		SDF 02/2024	0.660	MISC			0.660					
		STBG FLEX 02/2025	2.640	MISC				2.640				
		SDF 02/2025	0.660	MISC				0.660				
		STBG FLEX 02/2026	2.640	MISC					2.640			
		SDF 02/2026	0.660	MISC					0.660			
		STBG FLEX 02/2027	2.640	MISC						2.640		
SDF 02/2027	0.660	MISC							0.660			
AQC:N/A	MULTI	<b>TPC: \$15-\$25 M</b>	<b>TOTAL 5YR COST :</b>		16.500	0.000	3.300	3.300	3.300	3.300	3.300	0.000
LOCAL  <b>9LBP27</b> MISC <Exempt>	LOCAL BRIDGE & PAVEMENT BLOCK, FFY 2027. TO BE USED FOR OVERRUNS AND INFLATION	STBG FLEX 07/2027	0.745	MISC							0.745	
		LOCAL 07/2027	0.186	MISC							0.186	
AQC:N/A	MULTI	<b>TPC: \$0.6-\$1.5 M</b>	<b>TOTAL 5YR COST :</b>		0.931	0.000	0.000	0.000	0.000	0.000	0.931	0.000
NYS DOT  <b>9LC101</b> SAFETY <Exempt>	THIS PROJECT REHABILITATES 13 LARGE CULVERTS IN BROOME, DELAWARE AND OTSEGO COUNTIES. C910011,C910012,C910013,C910017,C910019,C910020,C910028,C910029,C910118,C910197,C950168,CA00007,CA00141.	NHPP 02/2023	0.462	CONINSP		0.462						
		SDF 02/2023	0.051	CONINSP		0.051						
		STBG FLEX 02/2023	0.109	CONINSP		0.109						
		SDF 02/2023	0.028	CONINSP		0.028						
		PIT BOND 02/2023	1.875	CONST		1.875						
		NHPP 02/2023	0.675	CONST		0.675						
		PIT BOND 02/2023	0.075	CONST		0.075						
		STBG FLEX 02/2023	0.180	CONST		0.180						
		PIT BOND 02/2023	0.034	CONST		0.034						
		SDF 02/2023	0.011	CONST		0.011						
		SDF 07/2022	0.000	DETLDES	0.078							
		PIT BOND 07/2022	0.000	DETLDES	0.442							
		SDF 11/2021	0.000	PRELDES	0.117							
PIT BOND 11/2021	0.000	PRELDES	0.663									
AQC:N/A	MULTI	<b>TPC: \$4.6-\$7.5 M</b>	<b>TOTAL 5YR COST :</b>		3.500	1.300	3.500	0.000	0.000	0.000	0.000	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 22 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022							
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027	
AQ CODE	COUNTY	TOTAL PROJECT COST										
NYS DOT <b>9LC111</b> SAFETY <Exempt>	THIS PROJECT REPLACES 38 LARGE CULVERTS IN BROOME, CHENANGO, DELAWARE, OTSEGO, SCHOHARIE, SULLIVAN AND TIOGA COUNTIES. C650076,C910060,C910061,C910141,C910144,C910169,C920003,C920004,C920080,C920112,C920114,C920156,C920158,C920163,C920169,C920181,C920182,C940013,C940044,C940053,C950051,C950085,C950087,C950089,C960008,C960012,C960017,C960030,C960056,C960059,C963054,C963058,C970019,C970028,C970079,C970080,CA00112,CA00364.	NHPP 08/2024	0.192	CONINSP			0.192					
		SDF 08/2024	0.048	CONINSP			0.048					
		STBG FLEX 08/2024	3.072	CONINSP			3.072					
		SDF 08/2024	0.768	CONINSP			0.768					
		STBG-OFF 08/2024	0.288	CONINSP			0.288					
		SDF 08/2024	0.072	CONINSP			0.072					
		PIT BOND 08/2024	18.500	CONST			18.500					
		NHPP 08/2024	0.480	CONST			0.480					
		PIT BOND 08/2024	0.120	CONST			0.120					
		STBG FLEX 08/2024	7.680	CONST			7.680					
		PIT BOND 08/2024	1.920	CONST			1.920					
		STBG-OFF 08/2024	0.720	CONST			0.720					
		PIT BOND 08/2024	0.180	CONST			0.180					
		STBG FLEX 10/2023	0.486	ROWACQU			0.486					
		SDF 10/2023	0.122	ROWACQU			0.122					
SDF 11/2021	0.000	ROWINCD	0.266									
SDF 11/2023	0.491	DETLDES			0.491							
PIT BOND 11/2023	2.780	DETLDES			2.780							
AQC:N/A	MULTI	<b>TPC: \$40-\$60 M</b>	<b>TOTAL 5YR COST :</b>	37.919		0.266	0.000	37.919	0.000	0.000	0.000	0.000
NYS DOT <b>9M1023</b> BRIDGE <Exempt>	THIS PREVENTIVE MAINTENANCE BRIDGE WASHING PROJECT WASHES 760 BRIDGES OVER A TWO YEAR TIME PERIOD TO HELP EXTEND THEIR USEFUL LIFE. BRIDGE WASHING REMOVES CHLORIDES FROM THE SURFACES OF THE BRIDGES AND HELPS PREVENT CORROSION. BROOME, CHENANGO, DELAWARE, OTSEGO, SCHOHARIE, SULLIVAN AND TIOGA COUNTIES.	SDF 04/2022	0.000	DETLDES	0.125							
		STBG FLEX 10/2022	0.216	CONINSP		0.216						
		SDF 10/2022	0.054	CONINSP		0.054						
		STBG-OFF 10/2022	0.024	CONINSP		0.024						
		SDF 10/2022	0.006	CONINSP		0.006						
		STBG FLEX 10/2022	2.160	CONST		2.160						
		SDF 10/2022	0.540	CONST		0.540						
		STBG-OFF 10/2022	0.240	CONST		0.240						
SDF 10/2022	0.060	CONST		0.060								
AQC:N/A	MULTI	<b>TPC: \$3.3-\$5.6 M</b>	<b>TOTAL 5YR COST :</b>	3.300		0.125	3.300	0.000	0.000	0.000	0.000	0.000
NYS DOT <b>9M1025</b> BRIDGE <Exempt>	THIS PREVENTIVE MAINTENANCE BRIDGE WASHING PROJECT WASHES BRIDGES TO HELP EXTEND THEIR USEFUL SERVICE LIFE. VARIOUS FEDERAL AID ELIGIBLE LOCATIONS, REGION 9.	SDF 03/2024	0.125	DETLDES			0.125					
		STBG FLEX 09/2024	0.120	CONINSP			0.120					
		SDF 09/2024	0.030	CONINSP			0.030					
		STBG FLEX 09/2024	1.240	CONST			1.240					
		SDF 09/2024	0.310	CONST			0.310					
		SDF 12/2023	0.100	PRELDES			0.100					
AQC:N/A	MULTI	<b>TPC: \$1.2-\$2.5 M</b>	<b>TOTAL 5YR COST :</b>	1.925		0.000	0.000	1.925	0.000	0.000	0.000	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 23 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022							
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027	
AQ CODE	COUNTY	TOTAL PROJECT COST										
NYS DOT <b>9M1027</b> BRIDGE <Exempt>	THIS PREVENTIVE MAINTENANCE BRIDGE WASHING PROJECT WASHES BRIDGES TO HELP EXTEND THEIR USEFUL SERVICE LIFE. VARIOUS FEDERAL AID ELIGIBLE LOCATIONS, REGION 9.	SDF 04/2026	0.125	DETLDES					0.125			
		NHPP 09/2026	0.120	CONINSP					0.120			
		SDF 09/2026	0.030	CONINSP					0.030			
		NHPP 09/2026	1.240	CONST					1.240			
		SDF 09/2026	0.310	CONST					0.310			
		SDF 12/2025	0.100	PRELDES					0.100			
AQC:N/A	MULTI	<b>TPC: \$1.2-\$2.5 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.000	0.000	0.000	1.925	0.000	0.000	
NYS DOT <b>9M1028</b> BRIDGE <Exempt>	THIS PREVENTIVE MAINTENANCE BRIDGE WASHING PROJECT WASHES BRIDGES TO HELP EXTEND THEIR USEFUL SERVICE LIFE. VARIOUS FEDERAL AID ELIGIBLE LOCATIONS, REGION 9.	SDF 04/2027	0.125	DETLDES							0.125	
		NHPP 09/2027	0.120	CONINSP							0.120	
		SDF 09/2027	0.030	CONINSP							0.030	
		NHPP 09/2027	1.240	CONST							1.240	
		SDF 09/2027	0.310	CONST							0.310	
		SDF 12/2026	0.100	PRELDES							0.100	
AQC:N/A	MULTI	<b>TPC: \$1.2-\$2.5 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.000	0.000	0.000	0.000	1.925	0.000	
NYS DOT <b>9PED27</b> BIKE/PED <Exempt>	THIS CONTRACT WILL REHABILITATE SIDEWALKS IN POOR CONDITION, CONSTRUCT NEW SIDEWALKS IN AREAS WHERE THERE ARE SHORT GAPS IN EXISTING SYSTEMS, OR EXTEND EXISTING SIDEWALK SYSTEMS TO LOGICAL TERMINI BASED ON PEDESTRIAN GENERATORS OR OTHER NEEDS. VARIOUS COUNTIES, REGION 9 (BLOCK FUND)	SDF 01/2025	0.175	PRELDES				0.175				
		SDF 01/2025	0.030	ROWINCD				0.030				
		SDF 07/2025	0.115	DETLDES				0.115				
		SDF 07/2025	0.030	ROWACQU				0.030				
		SDF 10/2026	0.150	CONINSP							0.150	
		SDF 10/2026	1.500	CONST							1.500	
AQC:N/A	MULTI	<b>TPC: \$1.2-\$2.5 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.000	0.000	0.350	0.000	1.650	0.000	
NYS DOT <b>9PM023</b> TRAFFIC <Exempt>	EPOXY PAVEMENT MARKINGS ARE REFRESHED ON A 2-YEAR CYCLE IN REGION 9. THESE PAVEMENT MARKINGS ARE TO BE REFRESHED ON THE PRIMARY ROADWAYS (INTERSTATES) THROUGHOUT THE REGION.	SDF 03/2022	0.000	PRELDES	0.010							
		SDF 06/2022	0.000	DETLDES	0.100							
		NHPP 12/2022	0.248	CONINSP			0.248					
		SDF 12/2022	0.027	CONINSP			0.027					
		NHPP 12/2022	2.475	CONST			2.475					
		SDF 12/2022	0.275	CONST			0.275					
AQC:N/A	MULTI	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		0.110	3.025	0.000	0.000	0.000	0.000	0.000	

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 24 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022							
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027	
AQ CODE	COUNTY	TOTAL PROJECT COST										
NYS DOT <b>9PM024</b> TRAFFIC <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT IS USED TO REPLACE WORN OR MISSING PAVEMENT MARKINGS AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9.	SDF 03/2023	0.020	PRELDES		0.020						
		SDF 05/2023	0.200	DETLDES		0.200						
		STBG FLEX 12/2023	0.224	CONINSP			0.224					
		SDF 12/2023	0.056	CONINSP			0.056					
		STBG FLEX 12/2023	2.240	CONST			2.240					
		SDF 12/2023	0.560	CONST			0.560					
AQC:N/A	MULTI	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		3.300	0.000	0.220	3.080	0.000	0.000	0.000	0.000
NYS DOT <b>9PM025</b> TRAFFIC <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT IS USED TO REPLACE WORN OR MISSING PAVEMENT MARKINGS AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9.	SDF 03/2024	0.010	PRELDES				0.010				
		SDF 05/2024	0.100	DETLDES			0.100					
		NHPP 12/2024	0.180	CONINSP				0.180				
		SDF 12/2024	0.020	CONINSP				0.020				
		NHPP 12/2024	1.800	CONST				1.800				
		SDF 12/2024	0.200	CONST				0.200				
AQC:N/A	MULTI	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		2.310	0.000	0.000	0.110	2.200	0.000	0.000	0.000
NYS DOT <b>9PM026</b> TRAFFIC <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT IS USED TO REPLACE WORN OR MISSING PAVEMENT MARKINGS AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9.	SDF 03/2025	0.020	PRELDES				0.020				
		SDF 05/2025	0.200	DETLDES			0.200					
		STBG FLEX 12/2025	0.224	CONINSP					0.224			
		SDF 12/2025	0.056	CONINSP					0.056			
		STBG FLEX 12/2025	2.240	CONST					2.240			
		SDF 12/2025	0.560	CONST					0.560			
AQC:N/A	MULTI	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		3.300	0.000	0.000	0.000	0.220	3.080	0.000	0.000
NYS DOT <b>9PM027</b> TRAFFIC <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT IS USED TO REPLACE WORN OR MISSING PAVEMENT MARKINGS AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9.	SDF 03/2026	0.010	PRELDES					0.010			
		SDF 05/2026	0.100	DETLDES					0.100			
		NHPP 12/2026	0.180	CONINSP						0.180		
		SDF 12/2026	0.020	CONINSP						0.020		
		NHPP 12/2026	1.800	CONST						1.800		
		SDF 12/2026	0.200	CONST						0.200		
AQC:N/A	MULTI	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		2.310	0.000	0.000	0.000	0.000	0.110	2.200	0.000
NYS DOT <b>9PM028</b> TRAFFIC <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT IS USED TO REPLACE WORN OR MISSING PAVEMENT MARKINGS AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9.	SDF 03/2027	0.020	PRELDES						0.020		
		SDF 05/2027	0.200	DETLDES						0.200		
		STBG FLEX 12/2027	0.000	CONINSP							0.224	
		SDF 12/2027	0.000	CONINSP							0.056	
		STBG FLEX 12/2027	0.000	CONST							2.240	
		SDF 12/2027	0.000	CONST							0.560	
AQC:N/A	MULTI	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		0.220	0.000	0.000	0.000	0.000	0.000	0.220	3.080

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 25 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022							
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027	
AQ CODE	COUNTY	TOTAL PROJECT COST										
NYSDOT  <b>9T730B</b> R&P <Exempt>	THIS CONTRACT WILL REHABILITATE PAVEMENTS DUE TO POOR SURFACE CONDITIONS WITH SINGLE OR TWO COURSE OVERLAYS IN ORDER TO BRING THE PAVEMENT TO A STATE OF GOOD REPAIR. VARIOUS FEDERAL AID ELIGIBLE ROUTES, REGION 9. (BLOCK FUND)	SDF 01/2023	0.340	MISC		0.340						
		SDF 01/2024	1.210	MISC			1.210					
		NHPP 01/2024	0.182	MISC			0.182					
		SDF 01/2024	0.032	MISC			0.032					
		STBG FLEX 01/2024	4.284	MISC			4.284					
		SDF 01/2024	0.606	MISC			0.606					
		SDF 01/2025	2.300	MISC				2.300				
		NHPP 01/2025	1.020	MISC				1.020				
		SDF 01/2025	0.180	MISC				0.180				
		STBG FLEX 01/2025	4.400	MISC				4.400				
		SDF 01/2025	1.100	MISC				1.100				
		SDF 01/2026	2.300	MISC					2.300			
		NHPP 01/2026	13.090	MISC					13.090			
		SDF 01/2026	2.310	MISC					2.310			
		STBG FLEX 01/2026	7.920	MISC					7.920			
		SDF 01/2026	1.980	MISC					1.980			
		SDF 01/2027	2.300	MISC						2.300		
NHPP 01/2027	13.090	MISC						13.090				
SDF 01/2027	2.310	MISC						2.310				
STBG FLEX 01/2027	7.920	MISC						7.920				
SDF 01/2027	1.980	MISC						1.980				
AQ:N/A	MULTI	<b>TPC: \$50-\$85 M</b>	<b>TOTAL 5YR COST :</b>	70.854		0.000	0.340	6.314	9.000	27.600	27.600	0.000
NYSDOT  <b>9TBP24</b> BRIDGE <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT PAINTS BRIDGES AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9 TO EXTEND THE SERVICE LIFE OF THE BRIDGES.	SDF 01/2023	0.100	DETLDES		0.100						
		SDF 10/2022	0.025	PRELDES		0.025						
		STBG FLEX 10/2023	0.380	CONINSP			0.380					
		SDF 10/2023	0.095	CONINSP			0.095					
		STBG FLEX 10/2023	3.800	CONST			3.800					
		SDF 10/2023	0.950	CONST			0.950					
AQ:N/A	MULTI	<b>TPC: \$4.6-\$7.5 M</b>	<b>TOTAL 5YR COST :</b>	5.350		0.000	0.125	5.225	0.000	0.000	0.000	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 26 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022								
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027		
AQ CODE	COUNTY	TOTAL PROJECT COST											
NYS DOT <b>9TBP25</b> BRIDGE <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT PAINTS BRIDGES AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9 TO EXTEND THE SERVICE LIFE OF THE BRIDGES.	SDF 01/2024	0.100	DETLDES			0.100						
		SDF 10/2023	0.025	PRELDES			0.025						
		NHPP 10/2024	0.168	CONINSP				0.168					
		SDF 10/2024	0.042	CONINSP				0.042					
		STBG FLEX 10/2024	0.043	CONINSP				0.043					
		SDF 10/2024	0.011	CONINSP				0.011					
		NHPP 10/2024	1.680	CONST				1.680					
		SDF 10/2024	0.420	CONST				0.420					
		STBG FLEX 10/2024	0.428	CONST				0.428					
SDF 10/2024	0.107	CONST				0.107							
AQC:N/A	MULTI	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		3.024		0.000	0.000	0.125	2.899	0.000	0.000	0.000
NYS DOT <b>9TBP26</b> BRIDGE <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT PAINTS BRIDGES AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9 TO EXTEND THE SERVICE LIFE OF THE BRIDGES.	SDF 01/2025	0.100	DETLDES					0.100				
		SDF 10/2024	0.025	PRELDES				0.025					
		NHPP 10/2025	0.240	CONINSP					0.240				
		SDF 10/2025	0.060	CONINSP					0.060				
		STBG FLEX 10/2025	0.140	CONINSP					0.140				
		SDF 10/2025	0.035	CONINSP					0.035				
		NHPP 10/2025	2.400	CONST					2.400				
		SDF 10/2025	0.600	CONST					0.600				
		STBG FLEX 10/2025	1.400	CONST					1.400				
SDF 10/2025	0.350	CONST					0.350						
AQC:N/A	MULTI	<b>TPC: \$4.6-\$7.5 M</b>	<b>TOTAL 5YR COST :</b>		5.350		0.000	0.000	0.000	0.125	5.225	0.000	0.000
NYS DOT <b>9TBP27</b> BRIDGE <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT PAINTS BRIDGES AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9 TO EXTEND THE SERVICE LIFE OF THE BRIDGES.	SDF 01/2026	0.100	DETLDES					0.100				
		SDF 10/2025	0.025	PRELDES					0.025				
		NHPP 10/2026	0.240	CONINSP						0.240			
		SDF 10/2026	0.060	CONINSP						0.060			
		STBG FLEX 10/2026	0.140	CONINSP						0.140			
		SDF 10/2026	0.035	CONINSP						0.035			
		NHPP 10/2026	2.400	CONST						2.400			
		SDF 10/2026	0.600	CONST						0.600			
		STBG FLEX 10/2026	1.400	CONST						1.400			
SDF 10/2026	0.350	CONST						0.350					
AQC:N/A	MULTI	<b>TPC: \$4.6-\$7.5 M</b>	<b>TOTAL 5YR COST :</b>		5.350		0.000	0.000	0.000	0.000	0.125	5.225	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 27 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022						
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027
AQ CODE	COUNTY	TOTAL PROJECT COST									
NYS DOT <b>9TBP28</b> BRIDGE <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT PAINTS BRIDGES AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9 TO EXTEND THE SERVICE LIFE OF THE BRIDGES.	SDF 01/2027	0.100	DETLDES						0.100	
		SDF 10/2026	0.025	PRELDES						0.025	
		NHPP 10/2027	0.000	CONINSP							0.240
		SDF 10/2027	0.000	CONINSP							0.060
		STBG FLEX 10/2027	0.000	CONINSP							0.140
		SDF 10/2027	0.000	CONINSP							0.035
		NHPP 10/2027	0.000	CONST							2.400
		SDF 10/2027	0.000	CONST							0.600
		STBG FLEX 10/2027	0.000	CONST							1.400
		SDF 10/2027	0.000	CONST							0.350
AQC:N/A	MULTI	<b>TPC: \$4.6-\$7.5 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.000	0.000	0.000	0.000	0.125	5.225
NYS DOT <b>9TCR21</b> SAFETY <Exempt>	THIS PROJECT REPLACES 4 DEFICIENT CULVERTS. 1 CULVERT IN THE TOWN OF MAINE, BROOME COUNTY (C910122); 2 CULVERTS IN THE TOWNS OF N. NORWICH & COVENTRY, CHENANGO COUNTY (C920061, C920116), & 1 CULVERT IN THE TOWN OF NEVERSINK, SULLIVAN COUNTY (C970027).	NHPP 01/2023	0.078	CONINSP		0.078					
		SDF 01/2023	0.020	CONINSP		0.020					
		STBG FLEX 01/2023	0.222	CONINSP		0.222					
		SDF 01/2023	0.056	CONINSP		0.056					
		NHPP 01/2023	0.780	CONST		0.780					
		SDF 01/2023	0.195	CONST		0.195					
		STBG FLEX 01/2023	2.220	CONST		2.220					
		SDF 01/2023	0.555	CONST		0.555					
		STBG FLEX 12/2021	0.000	DETLDES	0.287						
		SDF 12/2021	0.000	DETLDES	0.072						
STBG FLEX 12/2021	0.000	ROWACQU	0.128								
SDF 12/2021	0.000	ROWACQU	0.032								
AQC:N/A	MULTI	<b>TPC: \$4.6-\$7.5 M</b>	<b>TOTAL 5YR COST :</b>		0.519	4.126	0.000	0.000	0.000	0.000	0.000
NYS DOT <b>9TCR24</b> SAFETY <Exempt>	THIS PROJECT REHABILITATES OR REPLACES DEFICIENT CULVERTS IN VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9.	SDF 01/2023	0.205	DETLDES		0.205					
		STBG FLEX 02/2023	0.032	ROWACQU		0.032					
		SDF 02/2023	0.008	ROWACQU		0.008					
		SDF 10/2022	0.285	PRELDES		0.285					
		STBG FLEX 10/2022	0.088	ROWINCD		0.088					
		SDF 10/2022	0.022	ROWINCD		0.022					
		STBG FLEX 11/2023	0.220	CONINSP			0.220				
		SDF 11/2023	0.055	CONINSP			0.055				
		STBG FLEX 11/2023	2.195	CONST			2.195				
SDF 11/2023	0.549	CONST			0.549						
AQC:N/A	MULTI	<b>TPC: \$3.3-\$5.6 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.640	3.019	0.000	0.000	0.000	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 28 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022							
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027	
AQ CODE	COUNTY	TOTAL PROJECT COST										
NYS DOT <b>9TCR25</b> SAFETY <Exempt>	THIS PROJECT REHABILITATES OR REPLACES DEFICIENT CULVERTS IN VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9.	SDF 10/2022	0.480	PRELDES		0.480						
		STBG FLEX 10/2022	0.048	ROWINCD		0.048						
		SDF 10/2022	0.012	ROWINCD		0.012						
		SDF 12/2023	0.320	DETLDES			0.320					
		STBG FLEX 12/2023	0.120	ROWACQU			0.120					
		SDF 12/2023	0.030	ROWACQU			0.030					
		STBG FLEX 12/2024	0.320	CONINSP				0.320				
		SDF 12/2024	0.080	CONINSP				0.080				
		STBG FLEX 12/2024	3.200	CONST				3.200				
		SDF 12/2024	0.800	CONST				0.800				
AQC:N/A	MULTI	<b>TPC: \$4.6-\$7.5 M</b>	<b>TOTAL 5YR COST :</b>		5.410	0.000	0.540	0.470	4.400	0.000	0.000	0.000
NYS DOT <b>9TCR27</b> SAFETY <Exempt>	THIS PROJECT REHABILITATES OR REPLACES DEFICIENT CULVERTS IN VARIOUS FEDERAL AID ELIGIBLE LOCATIONS IN REGION 9.	SDF 10/2024	0.480	PRELDES				0.480				
		STBG FLEX 10/2024	0.048	ROWINCD				0.048				
		SDF 10/2024	0.012	ROWINCD				0.012				
		SDF 12/2025	0.320	DETLDES					0.320			
		STBG FLEX 12/2025	0.120	ROWACQU					0.120			
		SDF 12/2025	0.030	ROWACQU					0.030			
		STBG FLEX 12/2026	0.320	CONINSP						0.320		
		SDF 12/2026	0.080	CONINSP						0.080		
		STBG FLEX 12/2026	3.200	CONST						3.200		
		SDF 12/2026	0.800	CONST					0.800			
AQC:N/A	MULTI	<b>TPC: \$4.6-\$7.5 M</b>	<b>TOTAL 5YR COST :</b>		5.410	0.000	0.000	0.000	0.540	0.470	4.400	0.000
NYS DOT <b>9TGD24</b> SAFETY <Exempt>	THIS PREVENTATIVE MAINTENANCE PROJECT REPAIRS OR REPLACES DETERIORATED AND NON-STANDARD GUIDERAIL AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS ALONG STATE HIGHWAYS IN BROOME, CHENANGO AND TIOGA COUNTIES.	STBG FLEX 10/2023	0.161	CONINSP				0.161				
		SDF 10/2023	0.040	CONINSP				0.040				
		STBG FLEX 10/2023	1.792	CONST				1.792				
		SDF 10/2023	0.448	CONST				0.448				
		SDF 11/2021	0.000	PRELDES	0.030							
		SDF 12/2022	0.030	DETLDES			0.030					
AQC:N/A	MULTI	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		2.471	0.030	0.030	2.441	0.000	0.000	0.000	0.000
NYS DOT <b>9TGD26</b> SAFETY <Exempt>	THIS PREVENTATIVE MAINTENANCE PROJECT REPLACES DETERIORATED AND NON-STANDARD GUIDERAIL AND DRAINAGE AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS ALONG STATE HIGHWAYS IN REGION 9.	SDF 01/2025	0.120	DETLDES				0.120				
		STBG FLEX 10/2025	0.168	CONINSP					0.168			
		SDF 10/2025	0.042	CONINSP					0.042			
		STBG FLEX 10/2025	1.680	CONST					1.680			
		SDF 10/2025	0.420	CONST					0.420			
		SDF 12/2023	0.030	PRELDES			0.030					
AQC:N/A	MULTI	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		2.460	0.000	0.000	0.030	0.120	2.310	0.000	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 29 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022							
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027	
AQ CODE	COUNTY	TOTAL PROJECT COST										
NYS DOT <b>9TGD27</b> SAFETY <Exempt>	THIS PREVENTATIVE MAINTENANCE PROJECT REPLACES DETERIORATED AND NON-STANDARD GUIDERAIL AND DRAINAGE AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS ALONG STATE HIGHWAYS IN REGION 9.	SDF 01/2026	0.120	DETLDES					0.120			
		STBG FLEX 10/2026	0.168	CONINSP						0.168		
		SDF 10/2026	0.042	CONINSP						0.042		
		STBG FLEX 10/2026	1.680	CONST						1.680		
		SDF 10/2026	0.420	CONST						0.420		
		SDF 12/2024	0.030	PRELDES				0.030				
AQC:N/A	MULTI	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.000	0.000	0.030	0.120	2.310	0.000	
NYS DOT <b>9TGD28</b> SAFETY <Exempt>	THIS PREVENTATIVE MAINTENANCE PROJECT REPLACES DETERIORATED AND NON-STANDARD GUIDERAIL AND DRAINAGE AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS ALONG STATE HIGHWAYS IN REGION 9.	SDF 01/2027	0.120	DETLDES						0.120		
		STBG FLEX 10/2027	0.000	CONINSP							0.168	
		SDF 10/2027	0.000	CONINSP							0.042	
		STBG FLEX 10/2027	0.000	CONST							1.680	
		SDF 10/2027	0.000	CONST							0.420	
		SDF 12/2025	0.030	PRELDES					0.030			
AQC:N/A	MULTI	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.000	0.000	0.000	0.030	0.120	2.310	
NYS DOT <b>9TGR0B</b> BRIDGE <Exempt>	THIS PREVENTIVE MAINTENANCE BLOCK WILL COMPLETE GENERAL REPAIRS ON BRIDGES ON FEDERAL AID ELIGIBLE ROUTES IN ORDER TO EXTEND THE USEFUL LIFE OF THE STRUCTURES. VARIOUS LOCATIONS, REGION 9. (BLOCK FUND)	SDF 01/2023	1.156	MISC		1.156						
		NHPP 01/2023	0.147	MISC		0.147						
		SDF 01/2023	0.037	MISC		0.037						
		SDF 01/2024	1.456	MISC			1.456					
		NHPP 01/2024	5.814	MISC			5.814					
		SDF 01/2024	1.454	MISC			1.454					
		SDF 01/2025	1.456	MISC				1.456				
		NHPP 01/2025	9.414	MISC				9.414				
		SDF 01/2025	2.354	MISC				2.354				
		SDF 01/2026	1.456	MISC					1.456			
		NHPP 01/2026	9.754	MISC					9.754			
		SDF 01/2026	2.438	MISC					2.438			
		NHPP 01/2027	9.680	MISC						9.680		
SDF 01/2027	2.420	MISC							2.420			
AQC:N/A	MULTI	<b>TPC: \$40-\$60 M</b>	<b>TOTAL 5YR COST :</b>		0.000	1.340	8.724	13.224	13.648	12.100	0.000	

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 30 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022							
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027	
AQ CODE	COUNTY	TOTAL PROJECT COST										
NYS DOT  <b>9TSB0B</b> SAFETY <Exempt>	THIS SAFETY BLOCK WILL USE HSIP FUNDS TO PROGRESS FUTURE PROJECTS THAT ARE MOST LIKELY TO REDUCE THE NUMBER OF, OR POTENTIAL FOR, FATALITIES AND SERIOUS INJURIES. (BLOCK FUND)	HSIP 01/2023	0.720	MISC		0.720						
		SDF 01/2023	0.080	MISC		0.080						
		HSIP 01/2024	1.575	MISC			1.575					
		SDF 01/2024	0.175	MISC			0.175					
		HSIP 01/2025	2.682	MISC				2.682				
		SDF 01/2025	0.298	MISC				0.298				
		HSIP 01/2026	2.610	MISC					2.610			
		SDF 01/2026	0.290	MISC					0.290			
		HSIP 01/2027	4.687	MISC						4.687		
SDF 01/2027	0.521	MISC							0.521			
AQC:N/A	MULTI	<b>TPC: \$12.5-\$19 M</b>	<b>TOTAL 5YR COST :</b>		13.638	0.000	0.800	1.750	2.980	2.900	5.208	0.000
NYS DOT  <b>9TSR24</b> TRAFFIC <Exempt>	THIS PROJECT INSTALLS OR REPLACES MISSING OR NON-COMPLIANT GROUND-MOUNTED SIGNS THROUGHOUT REGION 9.	SDF 04/2022	0.000	PRELDES	0.010							
		NHPP 05/2023	0.040	CONINSP		0.040						
		SDF 05/2023	0.010	CONINSP		0.010						
		STBG FLEX 05/2023	0.016	CONINSP		0.016						
		SDF 05/2023	0.004	CONINSP		0.004						
		NHPP 05/2023	0.400	CONST		0.400						
		SDF 05/2023	0.100	CONST		0.100						
		STBG FLEX 05/2023	0.160	CONST		0.160						
		SDF 05/2023	0.040	CONST		0.040						
SDF 11/2022	0.050	DETLDES		0.050								
AQC:N/A	MULTI	<b>TPC: \$0.6-\$1.5 M</b>	<b>TOTAL 5YR COST :</b>		0.820	0.010	0.820	0.000	0.000	0.000	0.000	0.000
NYS DOT  <b>9TSR25</b> TRAFFIC <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT MODIFIES OR REPLACES DEFICIENT SIGNS AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS THROUGHOUT REGION 9.	SDF 04/2023	0.005	PRELDES		0.005						
		NHPP 05/2024	0.020	CONINSP			0.020					
		SDF 05/2024	0.005	CONINSP			0.005					
		STBG FLEX 05/2024	0.008	CONINSP			0.008					
		SDF 05/2024	0.002	CONINSP			0.002					
		NHPP 05/2024	0.200	CONST			0.200					
		SDF 05/2024	0.050	CONST			0.050					
		STBG FLEX 05/2024	0.080	CONST			0.080					
		SDF 05/2024	0.020	CONST			0.020					
SDF 11/2023	0.025	DETLDES			0.025							
AQC:N/A	MULTI	<b>TPC: &lt;\$0.75 M</b>	<b>TOTAL 5YR COST :</b>		0.415	0.000	0.005	0.410	0.000	0.000	0.000	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***

Tuesday, January 10, 2023

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Page 31 of 32

**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022								
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027		
AQ CODE	COUNTY	TOTAL PROJECT COST											
NYS DOT  <b>9TSR26</b> TRAFFIC <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT MODIFIES OR REPLACES DEFICIENT SIGNS AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS THROUGHOUT REGION 9.	SDF 04/2024	0.005	PRELDES			0.005						
		NHPP 05/2025	0.020	CONINSP				0.020					
		SDF 05/2025	0.005	CONINSP				0.005					
		STBG FLEX 05/2025	0.008	CONINSP				0.008					
		SDF 05/2025	0.002	CONINSP				0.002					
		NHPP 05/2025	0.200	CONST				0.200					
		SDF 05/2025	0.050	CONST				0.050					
		STBG FLEX 05/2025	0.080	CONST				0.080					
		SDF 05/2025	0.020	CONST				0.020					
SDF 11/2024	0.025	DETLDES				0.025							
AQC:N/A	MULTI	<b>TPC: &lt;\$0.75 M</b>	<b>TOTAL 5YR COST :</b>		0.415		0.000	0.000	0.005	0.410	0.000	0.000	
NYS DOT  <b>9TSR27</b> TRAFFIC <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT MODIFIES OR REPLACES DEFICIENT SIGNS AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS THROUGHOUT REGION 9.	SDF 04/2025	0.005	PRELDES				0.005					
		NHPP 05/2026	0.020	CONINSP					0.020				
		SDF 05/2026	0.005	CONINSP				0.005					
		STBG FLEX 05/2026	0.008	CONINSP				0.008					
		SDF 05/2026	0.002	CONINSP				0.002					
		NHPP 05/2026	0.200	CONST				0.200					
		SDF 05/2026	0.050	CONST				0.050					
		STBG FLEX 05/2026	0.080	CONST				0.080					
		SDF 05/2026	0.020	CONST				0.020					
SDF 11/2025	0.025	DETLDES				0.025							
AQC:N/A	MULTI	<b>TPC: &lt;\$0.75 M</b>	<b>TOTAL 5YR COST :</b>		0.415		0.000	0.000	0.000	0.005	0.410	0.000	
NYS DOT  <b>9TSR28</b> TRAFFIC <Exempt>	THIS PREVENTIVE MAINTENANCE PROJECT MODIFIES OR REPLACES DEFICIENT SIGNS AT VARIOUS FEDERAL AID ELIGIBLE LOCATIONS THROUGHOUT REGION 9.	SDF 04/2026	0.005	PRELDES					0.005				
		NHPP 05/2027	0.020	CONINSP						0.020			
		SDF 05/2027	0.005	CONINSP				0.005					
		STBG FLEX 05/2027	0.008	CONINSP				0.008					
		SDF 05/2027	0.002	CONINSP				0.002					
		NHPP 05/2027	0.200	CONST				0.200					
		SDF 05/2027	0.050	CONST				0.050					
		STBG FLEX 05/2027	0.080	CONST				0.080					
		SDF 05/2027	0.020	CONST				0.020					
SDF 11/2026	0.025	DETLDES				0.025							
AQC:N/A	MULTI	<b>TPC: &lt;\$0.75 M</b>	<b>TOTAL 5YR COST :</b>		0.415		0.000	0.000	0.000	0.000	0.005	0.410	0.000

**\*\* Binghamton Metropolitan Transportation Study \*\***  
**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**  
**TIP 2023-2027**

AGENCY PIN WORKTYPE <AQ STATUS>	PROJECT DESCRIPTION	FUND SOURCES & OBLIGATION DATE	TOTAL 5-YEAR PROGRAM in millions of dollars	PHASE	5-YEAR PROGRAM (FFY) Starting October 01, 2022						
					PRE FFY 2023	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	POST FFY 2027
AQ CODE	COUNTY	TOTAL PROJECT COST									
NYSDOT  <b>9V2481</b> R&P <Exempt>	THIS PREVENTATIVE MAINTENANCE PROJECT WILL RESURFACE RT 96 FROM CANDOR TO SPENCER (MP 11.44 TO 19.30). TOWNS OF CANDOR AND SPENCER, TIOGA COUNTY.	SDF 10/2022	0.002	PRELDES		0.002					
		SDF 10/2023	0.070	CONINSP			0.070				
		STBG FLEX 10/2023	1.680	CONST			1.680				
		SDF 10/2023	0.420	CONST			0.420				
AQC:N/A	TIOGA	<b>TPC: \$2-\$4 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.002	2.170	0.000	0.000	0.000	0.000
NYSDOT  <b>9V2482</b> R&P <Exempt>	THIS CONTRACT WILL RESURFACE RT 17C FROM VALLEY VIEW DRIVE TO THE BROOME COUNTY LINE (MP 27.09 TO 29.08). TOWN OF OWEGO, TIOGA COUNTY.	SDF 10/2022	0.002	PRELDES		0.002					
		SDF 10/2023	0.020	CONINSP			0.020				
		STBG FLEX 10/2023	0.480	CONST			0.480				
		SDF 10/2023	0.120	CONST			0.120				
AQC:N/A	TIOGA	<b>TPC: \$0.6-\$1.5 M</b>	<b>TOTAL 5YR COST :</b>		0.000	0.002	0.620	0.000	0.000	0.000	0.000

## ILLUSTRATIVE PROJECT LIST

Federal law that addresses the TIP financial plan requirements allows for the inclusion of projects for which funding is not available. These projects shown on the illustrative list may be programmed if funding becomes available. These projects have not been adjusted for inflation since year of expenditure is unknown. If a project is programmed, the appropriate year of expenditure adjustment will be made.

Project Title	Project Scope	County	Sponsor	Project Cost
OAKDALE ROAD 1R PAVEMENT PRESERVATION	This project is a 1R Pavement Preservation project that will mill a minimum of 2” of existing asphalt pavement and overlay the milled pavement with a truing and leveling course and 2” of asphalt top course	Broome	Village of Johnson City	\$810,000
AIRPORT ROAD RESURFACING	The project will consist of the cold milling of the travel lanes and shoulders of this highway segment, followed by a hot mix asphalt overlay and necessary striping.	Broome	Broome County	\$1,680,000
GLENMARY DRIVE ROAD REHABILITATION	This project will mill and pave 5.7 miles of roadway	Tioga	Tioga County	\$1,965,600
FRANKLIN STREET, PAGE AVE AND HAYES AVE IMPROVEMENTS	This project will mill and pave just under 1 mile of roadway	Broome	Village of Endicott	\$956,136
HARRY L DRIVE 1R PAVEMENT PRESERVATION FROM OAKDALE ROAD TO LANE CHANGE	This project is a 1R Pavement Preservation project that will mill a minimum of 2” of existing asphalt pavement and overlay the milled pavement with a truing and leveling course and 2” of asphalt top course.	Broome	Village of Johnson City	\$1,400,000
MILL AND PAVE OAK HILL AVENUE AND WATSON BOULEVARD	This project will mill and pave 2" of Oak Hill Avenue from Watson Boulevard to Pine Street and Watson Boulevard from Oak Hill to N. McKinley Avenue.	Broome	Village of Endicott	\$605,985

<b>Project Title</b>	<b>Project Scope</b>	<b>County</b>	<b>Sponsor</b>	<b>Project Cost</b>
MILL AND PAVE MULTIPLE STREETS IN THE VILLAGE OF ENDICOTT	This project will mill and pave Robble Ave. from Clark Street to Watson Boulevard, Clark Street from Robble Ave to Oak Hill Ave, Prescott Ave from Pine Street to Ethel Street, Monroe Street from Roosevelt Avenue to Jackson Avenue, and Jackson Avenue from East Main Street to North Street	Broome	Village of Endicott	\$931,420
POPLAR HILL RD RESURFACE	This project will mill and pave 1.56 miles of Poplar Hill Road with a minimum of 1.5" 9.5MM hot asphalt material for the full width from intersection to intersection.	Broome	Town of Chenango	\$259,000
RT 96, TRIB TO CATATONK CREEK, TIOGA COUNTY, STREAM REHABILITATION	This project removes existing gravel and debris build up, reshapes the existing channel and armors the stream embankments upstream and downstream on Rt. 96, Trib. To Catatonk Creek (C650089). This requires purchasing ROW within the stream channel. Town of Tioga, Tioga County.	Tioga	NYSDOT	1,600,000
HAZARDOUS TREE REMOVAL PROJECT	This cyclical preventive maintenance project is used to remove hazardous trees along State Highways to improve safety at various locations in Region 9.	Various	NYSDOT	8,000,000
RT 201 PAVEMENT REHABILITATION, FLYOVER TO HARRY L DRIVE	This project removes the existing Novachip overlay and concrete slabs and installs new cast-in-place concrete pavement along Rt. 201 (MP 1.46 to 2.08). Additional work includes the installation of new guide railing/median barrier along with new signs and pavement markings. Village of Johnson City, Town of Union, Broome County.	Broome	NYSDOT	15,800,000
RT 17 RESURFACING, SUSQUEHANNA RIVER TO NICHOLS	This project mills and resurfaces the asphalt pavement with a two course WMA (Warm-Mix Asphalt) treatment of binder and top course along Rt. 17 (MP 4.78 to 11.05). Additional work includes the installation of new guide railing/median barrier along with new signs and pavement markings. Town of Barton, Town and Village of Nichols, Tioga County.	Tioga	NYSDOT	12,000,000

<b>Project Title</b>	<b>Project Scope</b>	<b>County</b>	<b>Sponsor</b>	<b>Project Cost</b>
I81 RESURFACING, EXITS 5 TO 6, TOWNS OF DICKINSON AND CHENANGO	This project mills and resurfaces the asphalt pavement and shoulders of I-81 (MP 13.58 to 16.59) with a single course WMA (Warm-Mix Asphalt) top course. The bridge approach on the ramp from I-81 NB to I-88 EB (MP 0.00 to 0.24) is replaced with a new concrete bridge approach. Additional work includes guide railing replacement and the installation of new signs and pavement markings. Towns of Chenango and Dickinson, Broome County.	Broome	NYSDOT	7,800,000
RTS 17C AND 26 RESURFACING, VILLAGE OF ENDICOTT	This project mills and resurfaces Rts. 17C (MP 1.33 to 3.47) and 26 (MP 8.95 to 9.76) in the village of Endicott, Broome County. Additional work includes the replacement of curb ramps which are non-ADA compliant.	Broome	NYSDOT	6,800,000
RT 17 RESURFACING, RT 26 TO BINGHAMTON CITY LINE	This project mills and resurfaces the asphalt pavement with a WMA (Warm-Mix Asphalt) top course on Rt. 17 from Rt. 26 to the Binghamton City line (MP 3.78 to 9.43). Additional work includes the installation of new guide railing/median barrier along with new signs and pavement markings. Towns of Union and Vestal, village of Johnson City, Broome County.	Broome	NYSDOT	8,100,000
RT 12A RESURFACING, CHENANGO BRIDGE	This project mills and resurfaces Rt. 12A from Rt. 12 to the I-88 Ramps at Exit 2 (MP 0.00 to 1.01) with a WMA (Warm-Mix Asphalt) top course in the towns of Chenango and Fenton, Broome County. Additional work includes the replacement of curb ramps which are non-ADA compliant, and minor traffic signal work.	Broome	NYSDOT	4,500,000

Project Title	Project Scope	County	Sponsor	Project Cost
RT 17 / I86 CRACK AND SEAT, FIVE-MILE POINT	This project removes the existing asphalt overlay, crack and seats the underlying concrete pavement and resurfaces with a three course WMA (Warm-Mix Asphalt) treatment. Additional work includes the installation of underdrain, new guide railing/median barrier, culvert rehabilitation along with new signs and pavement markings. This work is being done on I-86 from File-Mile Point to Exit 76 (MP 16.58 to 17.51), in the Town of Kirkwood, Broome County.	Broome	NYSDOT	6,800,000
I-88 Resurfacing, Exit 5 to Chenango County Line	This project mills and resurfaces the asphalt pavement and shoulders of I-88 from Exit 5 to the Chenango County Line.	Broome	NYSDOT	5,500,000
NY 79 CIPR, Chenango Forks to Whitney Point	This project cold-in-place recycles Rt 96 from Chenango Forks to Whitney Point.	Broome	NYSDOT	3,200,000
NY 26 CIPR, PA State Line to Pierce Hill Road	This project cold-in-place recycles Rt 26 from PA State Line to Pierce Hill Rd.	Broome	NYSDOT	2,500,000
US 11 CIPR, PA State Line to Five Mile Point	This project cold-in-place recycles Rt 11 from PA State Line to File Mile Point.	Broome	NYSDOT	4,000,000
RT 96 RR UNDERPASS DRAINAGE IMPROVEMENT, VILLAGE OF OWEGO, TIOGA COUNTY	This project makes closed drainage improvements in the area of NYS Route 96 under the Norfolk Southern Rail Road, Village of Owego, Tioga County.	Tioga	NYSDOT	1,500,000
OVERHEAD SIGN STRUCTURE REPLACEMENT	This project removes and replaces overhead sign structures in various locations in Region 9.	Various	NYSDOT	7,000,000
INTERSTATE 81, 88 AND RT 17 MEDIAN BARRIER BLOCK	Installation of new Median Barrier along Interstates 81 and 88 and Route 17 in locations that meet the criteria of where median barrier should be present to safely separate the traveling public.	Various	NYSDOT	18,000,000
GUIDERAIL REQUIREMENTS	This preventative maintenance project repairs or replaces deteriorated and non-standard guiderail at various federal aid eligible locations in Region 9.	Various	NYSDOT	40,000,000
RT 26 OVER TRIBUTARY NANTICOKE CREEK, BRIDGE REPLACEMENT	This project replaces the bridge carrying Rt. 26 over Tributary East Branch Nanticoke Creek (BIN 1018520) in the town of Maine, Broome County.	Broome	NYSDOT	2,500,000
RT 11 OVER STRATTON MILL CREEK & ACRE CREEK, SUPERSTRUCTURE REPLACEMENT	This project replaces the superstructures on 2 bridges: BIN 1008130-Rt. 11 over Stratton Mill Creek and BIN 1008140-Rt. 11 over Acre Creek, in the town of Kirkwood, Broome County.	Broome	NYSDOT	6,000,000

<b>Project Title</b>	<b>Project Scope</b>	<b>County</b>	<b>Sponsor</b>	<b>Project Cost</b>
RT 17 OVER SUSQUEHANNA RIVER - BRIDGE REHABILITATION	This project performs element specific repairs to the structures that carry Rt. 17 over the Susquehanna River (BINs 1054831 and 1054832). Town of Union, Broome County.	Broome	NYSDOT	7,450,000
SMALL CULVERT LINING	This project would line small culverts under deep fill primarily along Interstates or NYS Route 17.	Various	NYSDOT	8,750,000
I-88 CONNECTOR RECONSTRUCTION	This project reconstructs the I-88 Connector (MP 0.10 to 2.89) with a new three course WMA (Warm-Mix Asphalt) treatment. Additional work includes underdrain installation, the rehabilitation of three bridges, new guide railing/median barrier, new closed drainage, and the installation of new signs and pavement markings. Towns of Chenango, Dickinson and Fenton, Village of Port Dickinson, Broome County.	Broome	NYSDOT	78,000,000
CULVERT REPAIR PROJECT	This project rehabilitates or replaces deficient culverts in various federal aid eligible locations in Region 9.	Various	NYSDOT	5,410,000
AMERICANS WITH DISABILITIES ACT ACCESSIBILITY PROJECT	This project designs, removes and replaces or rehabilitates ramps and sidewalks in various Federal Aid Eligible locations throughout DOT Region 9; to bring them into compliance with current state and federal standards.	Various	NYSDOT	10,500,000

**PENNSYLVANIA FEDERAL-AID PROJECTS**  
**FOR INFORMATION ONLY**

The Binghamton Urbanized Area extends into Pennsylvania. The area includes the Interstate 81 and US 11 corridor through Great Bend, Hallstead, and New Milford.

Based upon an agreement reached with the Pennsylvania Department of Transportation and the Northern Tier Regional Planning & Development Commission (designated as a Rural Planning Organization by PennDOT), Federal aid projects in the Pennsylvania portion of the BMTS area are to be included in the BMTS Transportation Improvement Program for information only and in the Pennsylvania Statewide TIP (STIP) for programming purposes.

---

**MPMS #:75976**                      **Municipality:** New Milford (TWP)  
**Title:** I-81 Exit 219              **Route:** I-81                      **Section:** 590                      **A/Q Status:** Exempt  
**Improvement Type:** Bridge Replacement  
**Est. Let Date:** 3/16/2023  
**Geographic Limits:** Susquehanna County, Gibson Township, I-81 (Exit 219)

**Project Description:** Interchange/Safety Improvement on Interstate 81 (Exit 219) in Harford and New Milford Townships, Susquehanna County.

Project Costs(In Thousands)							
Phase	Fund	2023	2024	2025	2026	2027 - 2030	2031 - 2034
Right of Way	581	\$1,100	\$0	\$0	\$0	\$0	\$0
Construction	NHPP	\$11,000	\$20,311	\$0	\$0	\$0	\$0
	<b>Federal:</b>	\$11000	\$20311	\$0	\$0	\$0	\$0
	<b>State:</b>	\$1100	\$0	\$0	\$0	\$0	\$0
	<b>Local/Other:</b>	\$0	\$0	\$0	\$0	\$0	\$0
		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027 - 2030</b>	<b>2031 - 2034</b>
	<b>Period Totals:</b>	\$12,100	\$20,311	\$0	\$0	\$0	\$0
<b>Total FFY 2023-2034 Cost</b>		<b>\$32,411</b>					

## AIR QUALITY AND ENERGY CONSERVATION

The BMTS planning area is classified as an air quality attainment area under the Clean Air Act Amendments of 1990 (CAAA). Therefore, no technical conformity analysis is required. The LRTP includes specific goals and objectives to assist in maintaining compliance with National Ambient Air Quality Standards (NAAQS), such as investing in public transit buses that limit Green House Gas (GHG) emissions, and in bicycle and pedestrian facilities that reduce automobile dependency. The TIP includes projects consistent with these specific goals and objectives.

In 2002 the New York State Energy Board issued the first New York State Energy Plan, with the aim of providing broad statewide energy policy direction to guide State agencies, Boards, Commissions, and Authorities in their decision making. In 2009, a new State Energy Plan was approved which includes the following public policy objectives related to the transportation sector:

- Redirect transportation funding toward energy-efficient transportation alternatives, including public transportation, walking and bicycling, and provide incentives to encourage greater use of related alternatives that improve transportation efficiency.
- Target open space funding to prevent suburban sprawl, promote Quality Communities, reduce vehicle miles traveled, support, adopt, and enhance transportation measures that reduce energy use and pollutant emissions.
- Support, adopt and enhance transportation measures that reduce energy use and pollutant emissions, such as Commuter Choice, Ozone Action Days, diesel vehicle retrofits, improved traffic signal coordination with LED technology, transportation system management, and other similar actions.

To support the state's energy plan, it is recommended that TIPs that involve regionally significant projects include a GHG analysis. Since this TIP does not include any regionally significant projects a GHG analysis has not been performed. However, the LRTP emphasizes transportation investments that optimize energy conservation efforts, including adaptive signal technologies and transit and bicycle/pedestrian projects and this TIP includes these types of investments. Further, BC Transit currently has 16 hybrid-diesel buses, 6 of which will be replaced in 2023 with full electric vehicles, in their fixed route fleet which help reduce GHG emissions within our region. The 5 newest hybrid-diesel buses added to the fleet are geo-fenced based on GPS location and are currently running 33% of the time in full electric mode.