

2014-2018

TRANSPORTATION IMPROVEMENT PROGRAM



Syracuse Metropolitan Planning Area

2014-2018

TRANSPORTATION IMPROVEMENT PROGRAM

SYRACUSE METROPOLITAN PLANNING AREA

Approved June 12, 2013 by the Policy Committee of the Syracuse Metropolitan Transportation Council

This document was prepared with financial assistance from the Federal Highway Administration and the Federal Transit Administration of the U.S. Department of Transportation through the New York State Department of Transportation. The Syracuse Metropolitan Transportation Council is solely responsible for its contents.

For further information contact:

Mario Colone, Program Manager
Syracuse Metropolitan Transportation Council
126 N. Salina St., 100 Clinton Square, Suite 100, Syracuse, NY 13202
mcolone@smtcmpo.org
PHONE: (315) 422-5716 FAX: (315) 422-7753
www.smtcmpo.org

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RESOLUTION

**SYRACUSE METROPOLITAN TRANSPORTATION COUNCIL
POLICY COMMITTEE**

June 12, 2013

- WHEREAS,** Part 450 subpart A, 23 CFR Chapter 1 and part 613 subtitle B, 49 CFR Chapter VI requires the development of a Transportation Improvement Program; and
- WHEREAS,** the Syracuse Metropolitan Transportation Council (SMTC) as the State designated Metropolitan Planning Organization for the Syracuse Metropolitan Area in accordance with Federal requirements for a Transportation Improvement Program, has developed a multi-year program of federally funded transportation projects for the Metropolitan Planning Area; and
- WHEREAS,** there is a need to efficiently administer and implement the projects contained in the multi-year improvement program, it is recognized that the project costs shown on the program at this time are reasonable estimates that may necessitate change during the course of project development; and
- WHEREAS,** the Transportation Improvement Program is consistent with all plans, goals and objectives of the SMTC and Federal Metropolitan Planning Regulations and shall be periodically revised to reflect changes in program emphasis and funding availability; and
- WHEREAS,** the regional economic development, environmental, historic preservation, land use, natural resources and public and private transit operators have been advised of and involved in the planning process and development of the Transportation Improvement Program; and
- WHEREAS,** all Federal planning requirements relative to Title VI are being met; and
- WHEREAS,** Onondaga County was designated in 1993 as a Maintenance Area under the provisions of the Clean Air Act of 1990; and

WHEREAS, the SMTC, per concurrence with the Interagency Consultation Group, is relying on Section 93.122(g) of the Federal transportation conformity rule that allows for new Long Range Transportation Plans and Transportation Improvement Programs to comply with the transportation/air quality conformity requirements provided that:

(i) The new Plan and/or TIP contain all projects which must be started in the Plan and TIP timeframes in order to achieve the highway and transit system envisioned by the transportation plan;

(ii) All Plan and TIP projects, which are regionally significant, are included in the Plan with design concept and scope adequate to determine their contribution to the TIP's regional emissions at the time of the previous conformity determination.

(iii) The design concept and scope of each regionally significant project in the new Plan is not significantly different from that described in the previous Plan; and

(iv) The previous regional emissions analysis is consistent with the requirements of Section 93.118 and/or 93.119, as applicable.

WHEREAS, the SMTC certifies that the transportation conformity analysis that underwent public review and comment in March 2013 associated with Long Range Transportation Plan and the Transportation Improvement Program adheres to the various conditions described above; and

WHEREAS, this determination is consistent with transportation conformity provisions for Maintenance Areas under the 1990 Clean Air Act Amendments and the Federal transportation conformity rule.

NOW THEREFORE BE IT RESOLVED, that the Policy Committee continues its endorsement of the current Long Range Transportation Plan, and endorses in concept the multi-year Transportation Improvement Program for the period Federal Fiscal Year 2014-2018; and

BE IT FURTHER RESOLVED, that the Policy Committee adopts the Transportation Improvement Program to be consistent with current plans and recommends the initiation of those projects and spans so specified; and

BE IT FURTHER RESOLVED, that the Policy Committee certifies that the requirements of 23 CFR 450 are met; and

BE IT FURTHER RESOLVED, that the 2014-2018 Transportation Improvement Program conforms to the purpose of the New York State Implementation Plan for Air Quality; and

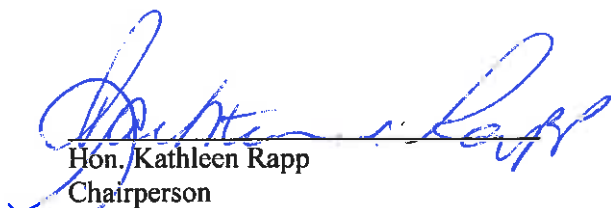
BE IT FURTHER RESOLVED, that if there are federal transportation funds remaining, additional projects from later years of the Transportation Improvement Program may be advanced to an earlier year of the Transportation Improvement Program following the TIP Project Management Selection & Amendment Process as included in the Transportation Improvement Program; and

**Adoption of the 2014-2018 Transportation
Improvement Program**


SMTC Policy Resolution No. 2013-09

BE IT FURTHER RESOLVED, that the Policy Committee directs the SMTC Director to submit this Resolution and appropriate documentation of the program to those Federal and State agencies responsible for assuring its implementation.

Done and ordered this 12th day of June 2013 by consensus of the SMTC Policy Committee.



Hon. Kathleen Rapp
Chairperson
SMTC Policy Committee



New York State Department of Transportation
Secretary
SMTC Policy Committee

Date: June 12, 2013

Date: June 12, 2013

Overview

INTRODUCTION

The Syracuse Metropolitan Transportation Council (SMTC) is the designated Metropolitan Planning Organization (MPO) responsible for carrying out the metropolitan transportation planning process for the SMTC study area. The current SMTC Metropolitan Planning Area boundary, which appears in Figure 1, includes all of Onondaga County and small portions of Oswego and Madison Counties. The primary responsibilities of any MPO are to: 1) develop a Long-Range Transportation Plan, which is the 25-year transportation vision for the metropolitan area; 2) develop a Transportation Improvement Program, which is the agreed-upon list of specific projects for which federal funds are anticipated (shown in Figures 2 and 3); and 3) develop a Unified Planning Work Program (UPWP) that identifies in a single document the annual transportation planning activities that are to be undertaken in support of the goals, objectives and actions established in the Long-Range Transportation Plan.

As the state designated MPO for the Syracuse metropolitan area, the SMTC provides the forum for cooperative decision making in developing regional transportation plans and programs to meet changing needs. It is composed of elected and appointed officials representing local, state and federal governments or agencies having interest or responsibility in comprehensive transportation planning.

MPO STRUCTURE

To facilitate and encourage interaction among these groups and the local community, the SMTC has an adopted committee structure. The **Policy Committee**, as the official decision making body, establishes the policies for the overall conduct of the SMTC, is responsible for the adoption of plans and programs and approves study recommendations.

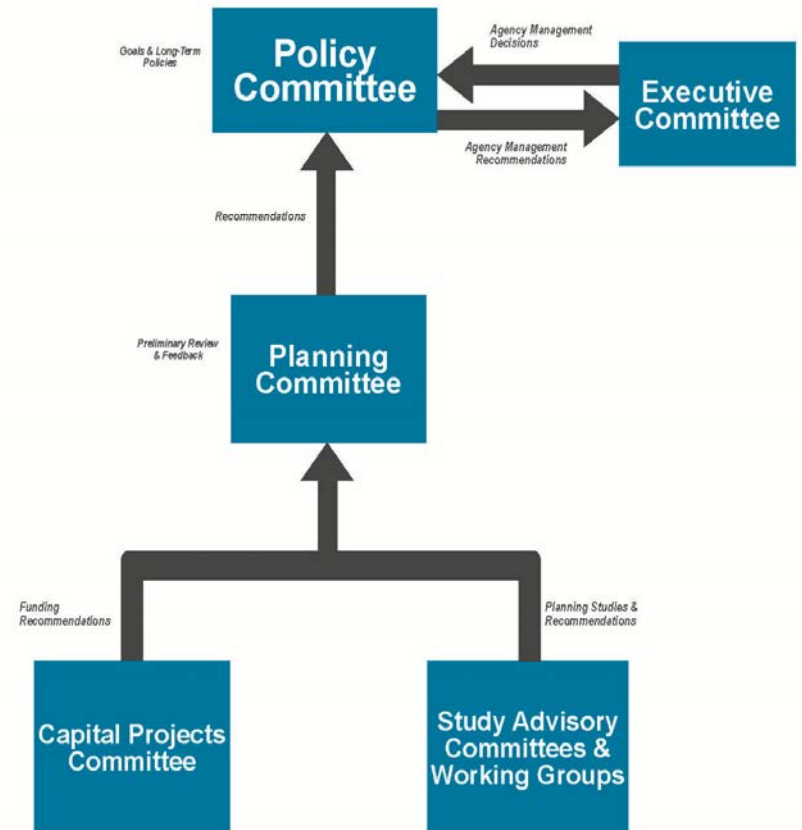
The **Planning Committee**, which is established by the Policy Committee, provides a forum for discussion and resolution of relevant issues and monitors technical activities including the development of the UPWP and the Transportation Improvement Program (TIP) for recommendation to the Policy Committee. In addition, the Planning Committee directs and considers for recommendation to the Policy Committee all major studies and planning activities.

The **Executive Committee** is made up of Planning Committee members and on behalf of the Policy Committee provides oversight for the day-to-day operation of the Central Staff for primarily financial management, personnel and other administrative requirements. In addition to the above-mentioned standing committees, other subcommittees and advisory committees are formulated on

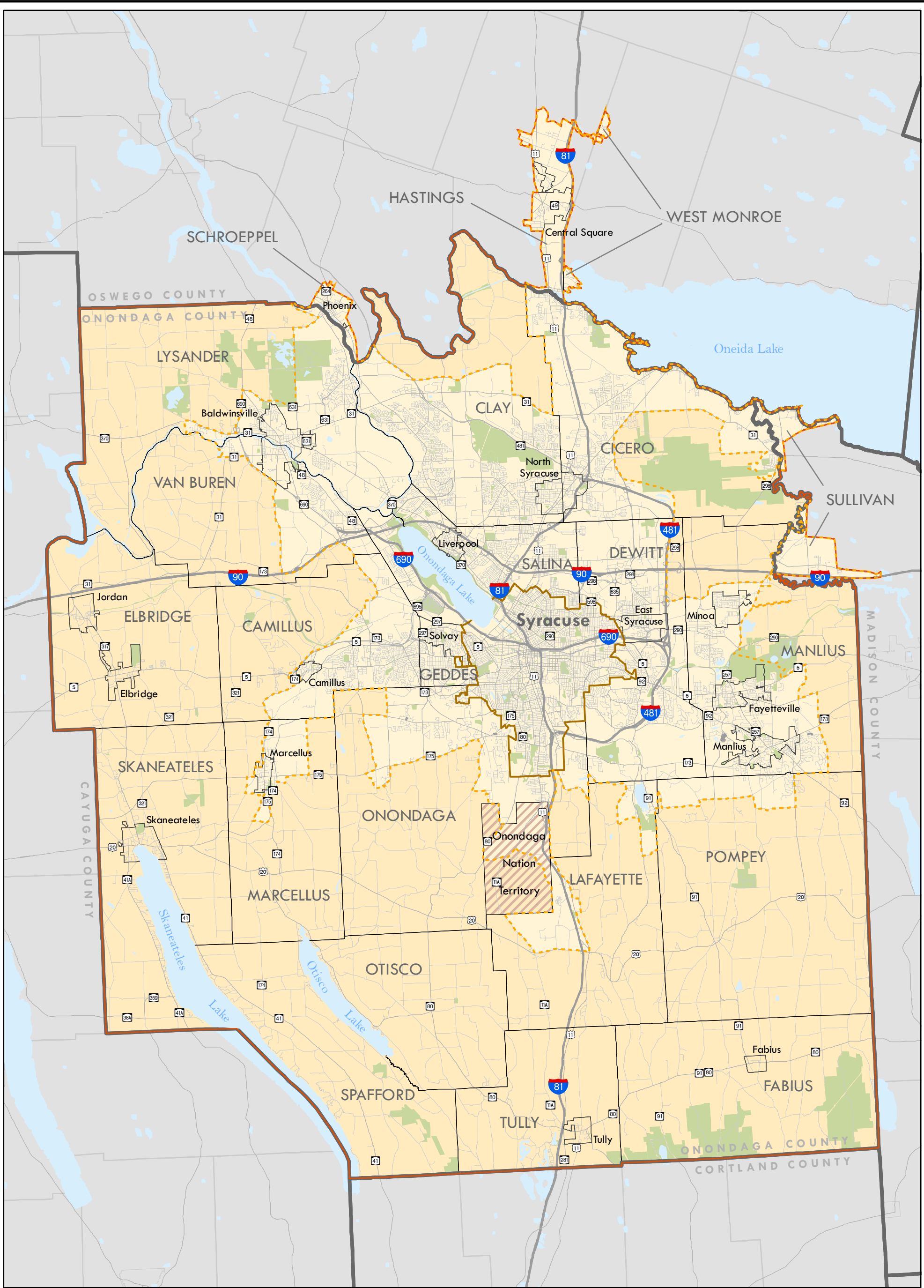
an as-needed basis to provide staff with additional technical support as appropriate.

The **Capital Projects Committee** is directly responsible for preparation of the TIP. Its recommendations are forwarded to the Planning Committee for further discussion and revision before submittal to the Policy Committee for final endorsement.

Committee Structure



SMTC Staff carries out the work program under the direction of the Policy Committee.



100 Clinton Square
126 North Salina St, Suite 100
Syracuse, NY 13202
(315) 422-5716
Fax: (315) 422-7753
www.smtcmpo.org

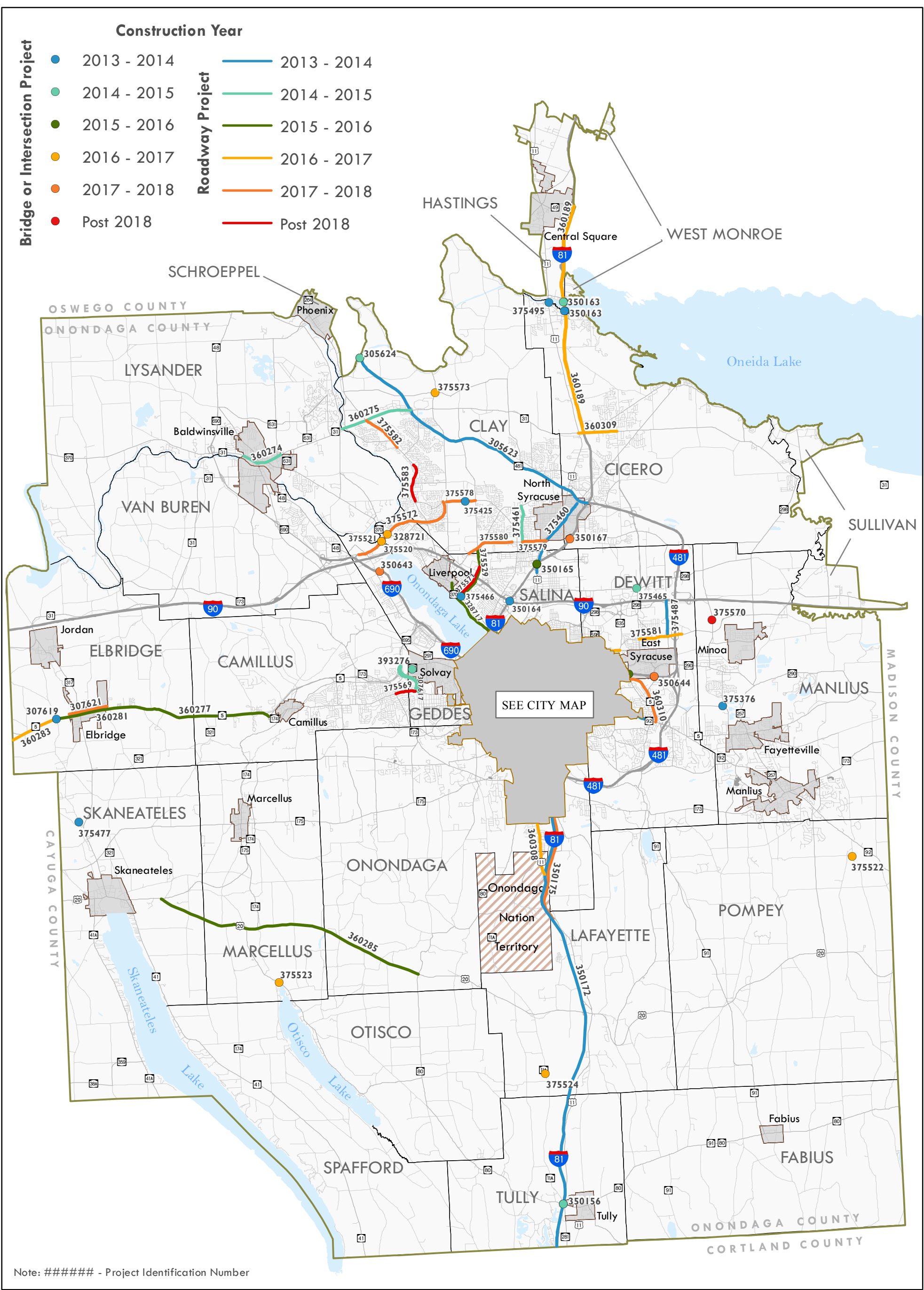


Data Sources: SOCPA, NYSDOT, 2011
Prepared by SMTC, 03/2012

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Miles

This map is for presentation purposes only.
The SMTC does not guarantee the accuracy or completeness of this map.

- Legend**
- Interstates
 - Major Roads
 - Local Roads
 - County Boundary
 - Village
 - Town
 - City of Syracuse
 - Parks
 - Urban Area (2000 Census)
 - SMTC MPA
 - Onondaga Nation Territory

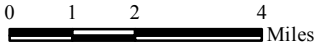


SMTC
100 Clinton Square
126 North Salina St, Suite 100
Syracuse, NY 13202
(315) 422-5716
Fax: (315) 422-7753
www.smtcmipo.org

Data Sources: NYSDOT, 2011
Prepared by SMTC, 05/2013



MPA



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- Legend**
- Interstates
 - Major Roads
 - Local Roads
 - Village
 - City of Syracuse
 - Town
 - Onondaga Nation Territory
 - SMTC MPA

LONG-RANGE TRANSPORTATION PLAN

The Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA), the Transportation Equity Act for the 21st Century (TEA-21), the 2005 Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) and the 2012 Moving Ahead for Progress in the 21st Century (MAP-21) mandate that the MPO have a Long-Range Transportation Plan (LRTP), which includes among others items, environmental, social and intermodal considerations. The LRTP must also provide a financially constrained 25-year vision of future transportation improvements.

The SMTC 2020 Long-Range Transportation Plan was originally adopted in January 1995, and has been updated several times; the most recent update occurring in July 2011 to reflect changing conditions and new planning principals that form the basis for the initial evaluation of projects submitted for the TIP. In addition, the LRTP establishes a vision and goals that guide projects associated with the SMTC's annual work program and the TIP.

These current goals and objectives are found below.

Safety

Reduce crashes at high vehicular crash locations.	Reduce crashes at high intermodal crash locations.
Improve connectivity between areas.	

Mobility

Provide transit service to all populated areas and activity center.	Improve LOS on the most congested segments and intersections.
Increase the share of trips made using HOVs, bicycle and walking.	Accessible improvement that complies with ADA.
Encourages greater utilization of electronic communication in workplace and for personal business.	

Environment

Improves the region's air and environmental quality.	Helps to reduce the total daily carbon monoxide (CO) emissions from mobile sources.
Helps to reduce the overall use of road salt.	

Economy

Supports access (including intermodal) to economic development projects.	Maintain adequate condition and operation standard of principal arterials.
Supports employer based demo projects e.g., efforts to reduce SOV work trips, etc.	

Land Use	
Protect & Enhance the visual & functional conditions of streets by encouraging well planned residential and industrial development.	Educate and encourage municipalities to develop regulations and plans that support transportation planning objectives including mobility protection.
Ensure funding decisions, particularly capacity improvements, are related to land use regulations which are supportive of mobility protection.	Supports development patterns, densities and design options which are conducive to transit services, pedestrian and bicycle travel.
Facilities	
Helps to increase the number of bridges with a condition rating better than 5.	Helps to improve pavement condition ratings for medium & high volume roads.
Maintain and/or rebuild facilities for bicycle and pedestrian.	Maintains transit system facilities.
Improves connections between transportation modes (people and goods movements).	

The process of undertaking major transportation studies, identifying short and long-range needs and targeting major growth areas in the SMTC area for intensive study has

strengthened subsequent programming on the TIP. The entire planning, programming/ and implementation process is clear-cut and involves input by legislators, industry representatives and citizen interest groups in the early planning stages, and carries through into TIP programming.

MAP-21

On July 6, 2012 President Obama signed into law the latest federal surface transportation authorization, MAP-21. This transportation bill is a two-year authorization and provides over \$105 billion for transportation programs and activities for fiscal years 2013 and 2014. Like its predecessor authorization (i.e., SAFETEA-LU), MAP-21 contains eight key planning factors that shall be considered in metropolitan transportation planning activities.

MAP-21 Planning Factors
Economic vitality
Safety
Security
Accessibility and Mobility
Environment, Energy, Quality of Life
Integration and Connectivity
System Management and Operation
Preservation

One of the primary changes from previous authorizations is that procedures and processes must be performance driven and outcome based to address challenges facing the transportation system such as improving safety,

maintaining infrastructure conditions, reducing traffic congestion, improving the efficiency of the system and freight movement, protecting the environment, and reducing delays in project delivery.

As such, MPOs working in collaboration with the State and the transit authority will identify performance measures and localized targets to the performance measures for inclusion within long range planning and capital planning programs. The measures and targets will assist in determining adherence to federal transportation goals and policies and, appropriate federal funding investments. At this time, no performance measures have been officially identified by the US DOT. This 2014-2018 capital improvement program has been created relying on several locally developed project selection measures. These measures are discussed in the Transportation Improvement Program section below.

TRANSPORTATION IMPROVEMENT PROGRAM

The 2014-2018 TIP for the SMTC area is a multi-year program of transportation capital projects together with a five-year estimate of transit capital and operations requirements. According to the February 14, 2007 Final Statewide and Metropolitan Planning Rules and Regulations (23 CFR Part 450), a TIP may be submitted at least every four years and include a minimum of four fiscal years for all States and MPOs. The SMTC's TIP contains an additional fifth year of federal transportation funding anticipated to be available for programming in our area. Federal transportation policy and regulations mandate that a TIP comprise the following:



*Fremont Road over CSX rail road
Bridge deck replacement*

Photo courtesy of Onondaga County Department of Transportation

1. Identify transportation improvement projects recommended for advancement during the program years. The projects required are those located within the study area and receiving any Federal Highway Administration (FHWA) or Federal Transit Administration (FTA) funds;
2. Identify the criteria and process for prioritization for inclusion of projects in the TIP and any changes from past TIPs;
3. Group improvements of similar urgency and anticipated staging into appropriate staging periods;

4. Include realistic estimates of total costs and revenue for the program period;
5. Include a discussion of how improvements recommended from a Long-Range Transportation Plan's Transportation Systems Management Plan were merged into the program;
6. List major projects from previous TIPs that were implemented and identify any major delays in projects that were planned for implementation;
7. Describe progress in implementing any required Transportation Control Measures as identified in the State Implementation Plan for Air Quality Redesignation Request (SIP);
8. Include an air quality conformity analysis of the TIP to the SIP with a list of all projects found to conform in previous TIPs that should be considered as a base case for conformity analysis; and
9. Include a Financial Plan that demonstrates how the approved TIP can be implemented.

The TIP should also include regional highway projects that are being implemented by the State, City or County for which no federal funding is requested.

There are several pieces of federal legislation that significantly impact the capital program and the planning and programming of transportation projects. These include the MAP-21, SAFETEA-LU, TEA-21, ISTEA, the Americans with Disabilities Act of 1990 (ADA), and the Clean Air Act Amendments of 1990 (CAAA). SAFETEA-LU, as signed into

law on August 10, 2005, required additional processes be undertaken for the TIP. Beyond the financial plan requirement as mentioned above, three additional requirements are placed on TIP development. One, the TIP must include an Annual Listing of Obligated projects whereas all funds obligated from a previous fiscal year must be shown (23 CFR Part 450.332). Two, funding portrayed in the TIP must be shown as "year of expenditure dollars" rather than "constant dollars" (23 CFR Part 450.324) and three, an administrative modification to the TIP amendment process put in place to allow "minor changes to be made without requiring public review and comment, redemonstration of fiscal constraint, or a conformity determination."¹

Most projects in the TIP are aimed at increasing the efficiency and safety of the existing transportation system rather than bridge replacements, major rehabilitations, reconstruction to existing infrastructure or construction of new facilities.

This, in part, reflects:

- 1) Transportation policies to implement low-cost Transportation System Management alternatives where feasible;
- 2) The limited funding resources available to meet the costs of new construction and improvements;
- 3) The increased concerns over energy conservation, the environment, sustainability and air quality;

¹ Federal Register/Vol. 22, No. 30/Wednesday, February 14, 2007/Rules and Regulations pg. 7260

- 4) The enhancement of freight movement and economic development;
- 5) The interests of bicyclists and pedestrians; and
- 6) The preservation of neighborhoods.

This approach is consistent with, and similar to, the New York State Department of Transportation's (NYSDOT) asset management and infrastructure preservation strategies, which are referred to as the Forward Four. The four "guiding principles" are:

- Preservation first;
- System not projects;
- Maximize return on investments; and
- Make it sustainable.

System efficiency and maintenance strategies for capital programming purposes inside the SMTC planning area directs limited fiscal resources to priority projects as identified by the various member agencies of the SMTC.

The TIP contains all FHWA and FTA transportation projects in the SMTC Metropolitan Area that are anticipated to use a combination of federal, state, and/or local funds in the next five-year period. The projects in the TIP are programmed utilizing one or a combination of the following federal funding categories².

- 1) FTA Section 5307
- 2) FTA Section 5309

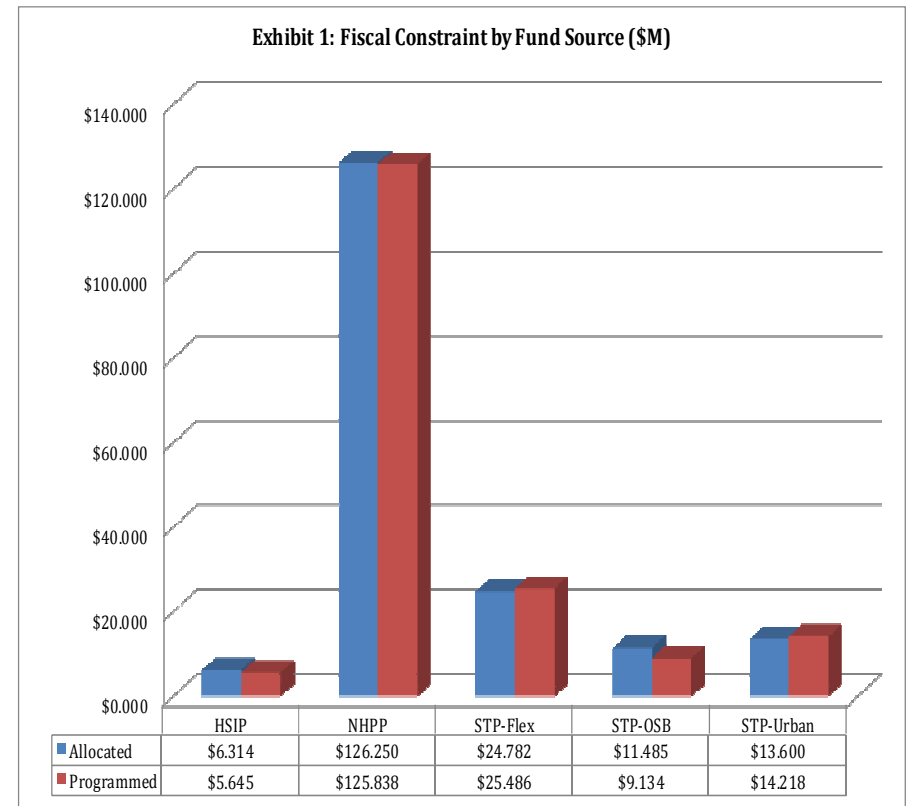
- 3) FTA Section 5310
- 4) FTA Section 5337
- 5) FTA Section 5339
- 6) Highway Safety Improvement Program (HSIP)
- 7) Miscellaneous Federal-Aid
- 8) National Highway Performance Program (NHPP)
- 9) Surface Transportation Program (STP) – Enhancements
- 10) STP – Flex
- 11) STP – Off System Bridge
- 12) STP – Rail
- 13) STP – Urban
- 14) Safe Routes to School (SRTS).

Within each program, the proposed project represents priority regional needs identified through a comprehensive transportation planning process. The projects are identified in detail in the tables following this narrative. Projects referenced in the subsequent TIP reports contain sufficient project information that describe such things as type of work to be undertaken (i.e., reconstruction, paving, bridge rehabilitation), project terminus, length and municipal location as required by the federal transportation partners.

² Additional information for each funding category is provided in the SMTC's *Transportation Improvement Program Guidebook*

Working with the NYSDOT, estimated allocations, or planning targets, were calculated using funding formulas provided by NYSDOT. The formulas were based on such metrics as population, volume of traffic, percentages of road mile and bridge deck area, and overall condition ratings of bridge and pavement. The premise behind the SMTC sub-allocation was to provide an improved connection between the projects that are selected for funding and fiscal constraint. As noted in 23 CFR 450.324(h), “the TIP shall include a financial plan that demonstrates how the approved TIP can be implemented, indicates resources from public and private sources that are reasonably expected to be made available to carry out the TIP, and recommends any additional financing strategies for needed projects and program.” State and local sponsored project costs programmed in the 2014-2018 TIP utilize inflationary factors provided by the NYSDOT.

The Syracuse Metropolitan Transportation Council’s 2014-2018 fiscal constraint table is found in the following pages. The fiscal constraint table depicts the individual available resources per federal fiscal year based on the planning target process discussed above and the federal transportation funds that have been programmed to each funding source over the five-year capital program. Exhibit 1 represents the Federal Highway allotted and programmed funding totals for the 2014-2018 TIP. The fiscal constraint table demonstrates that the MPO’s capital program, as presented, is a balanced program over the life of the multi-year program cycle and consistent with the goals and objectives of the LRTP.



Exhibits 2 and 3 present the distribution of funding by sponsor and project type. Of the \$180.321 available for programming (\$181.524M if including earmarks and other discretionary funds) from the FHWA over the five-year cycle, the NYSDOT has been programmed approximately sixty-three percent of the federal transportation allotment. In addition to funding sources specific to the FHWA, the TIP also lists out funding from the FTA as described previously. Within the SMTC MPA, the Central New York Regional Transportation Authority (CNYRTA) is the primary operator for public transportation services. The 2014-2018 TIP programs \$41.983M to the CNYRTA.

Exhibit 2: FHWA Funding by Project Sponsor
2014-2018 TIP

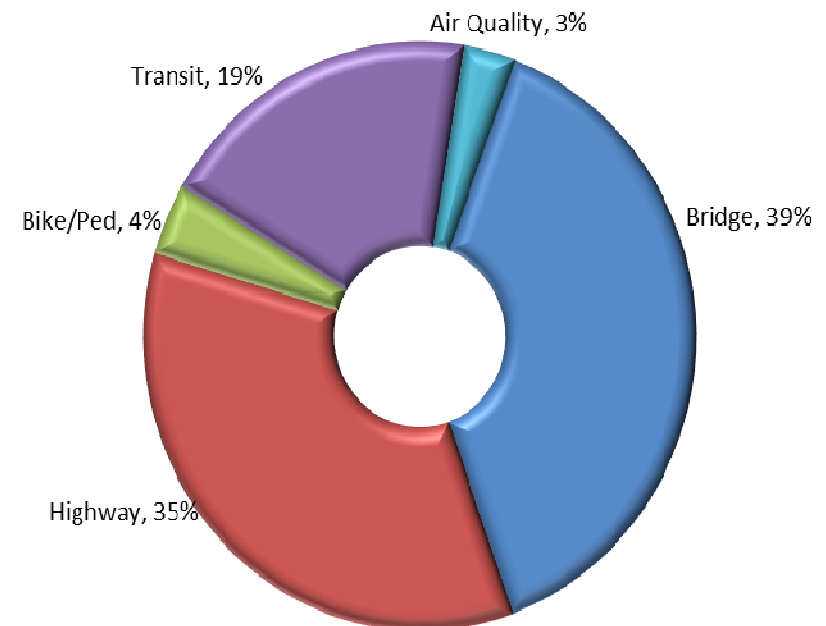
Sponsor	Total (\$M)
Cicero	\$0.695
NYSDOT	\$113.744
OCDOT	\$33.414
Syracuse	\$33.671
Total	\$181.524

As depicted in Exhibit 3, seventy-four percent of the FHWA and FTA 2014-2018 capital program funding has been programmed to bridge and highway projects. This is consistent with previous capital programs and the objectives identified for the LRTP and the TIP whereby funding is distributed to projects to maintain the existing aging infrastructure.

The bridge category programs thirty-nine percent of the sub-allocation for improvements to bridges. These

improvements range from standard preventive maintenance activities like cleaning and painting to complete replacement or rehabilitation. Onondaga County and the other five counties that comprise the Region 3 office of the NYSDOT have historically been identified as having one of the higher percentages of bridges in need of repair throughout the state. Due to the conditions of the Regional bridges for this 2014-2018 funding cycle a significant amount of bridge funding has been estimated to assist in improving functional or structural deficiencies.

Exhibit 3: Project Type – 2014-2018 TIP



Additionally, as sustainability, environmental awareness, quality of life and livability initiatives continue to play an

integral function for investment decisions and economic opportunities, the multi-year capital program allocates \$9M (or 4 percent) to bicycle and pedestrian projects and 3 percent (\$8M) to air quality projects. These project types have a positive impact on the environment of the MPO area as they aid in the reduction of greenhouse gases and carbon monoxide (refer to Appendix C and D).



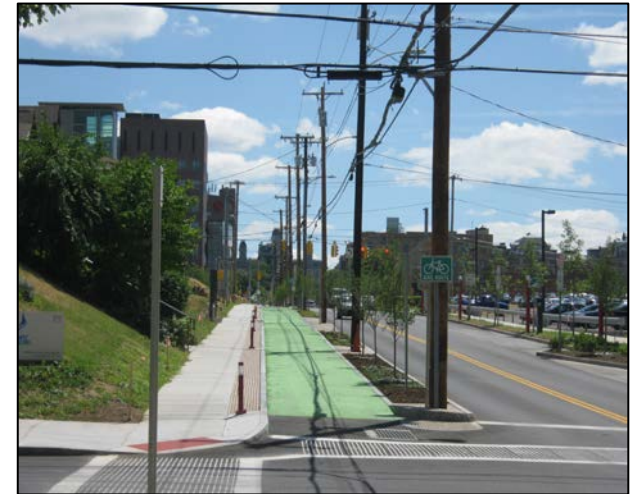
University Ave. during construction

The City of Syracuse is advancing an extension of the Onondaga Creekwalk (PIN 375514) from Armory Square to Kirk Park and the implementation/construction of various bicycle facilities along Comstock Avenue and Waverly Avenue in the University Hill area. Bicycle and pedestrian accommodations will likely become more prevalent in capital programs moving forward due to the passage of a “complete streets” policy statement by the US DOT in March 2010. The statement underscores the importance of

providing various options and accommodations for all users of the transportation system.

As contained in the policy statement, “Increased commitment to and investment in bicycle facilities and walking networks

can help meet goals for cleaner, healthier air; less congested roadways; and more livable, safe, cost-efficient communities”.³



University Ave. post construction

In New York State, Governor Andrew M. Cuomo signed the Complete Streets Act on August 15, 2011, requiring state, county and local agencies to consider the convenience and mobility of all users when developing transportation projects that receive state and federal funding.⁴

A simplified listing of all TIP projects (FHWA or FTA funded) follows on the next several pages. The listing is grouped by project sponsor and provides the Project Identification Number (PIN), Federal dollars, required

³

http://www.fhwa.dot.gov/environment/bicycle_pedestrian/overview/policy_accom.cfm Accessed 4/22/2013

⁴

<https://www.dot.ny.gov/programs/completestreets> Accessed 4/22/2013

“match” and Total dollars programmed on the 2014-2018 TIP. As referenced above, 63% of the FHWA funding is programmed to the State, while 18% is programmed to the City of Syracuse, 18% Onondaga County and less than 1% to the Town of Cicero. Funding to the Town of Cicero is from a previous federal appropriations bill.

Cicero					
	PIN	Project	Federal \$s	Match \$s	Total \$s
	375495	Revitalization and Redevelopment of the Hamlet of Brewerton	0.695	0.173	0.868
NYSDOT					
	305623	RT 481 sign replacement contract, I81 to Oswego County Line, Clay	0.290	0.072	0.362
	305624	Clean and paint RT 481 over Bonstead Rd, Clay	1.366	0.342	1.708
	307617	RT 5 ramps to RT 695 over RT 297 & CSX	0.618	0.155	0.773
	307619	RT 5 at Hamilton Rd intersection improvement, Elbridge	0.406	0.101	0.507
	307621	RT 5, Village of Elbridge	1.496	0.166	1.662
	310421	RT 635 bridge over I690 rehabilitation, Syracuse	2.413	0.604	3.017
	328717	Onondaga Lake Parkway Corridor, Salina	4.373	1.093	5.466
	328721	RT 370 at John Glenn Blvd, Salina	1.213	0.135	1.348
	350156	I81 bridges over RT 80 replacement, Tully	5.828	0.647	6.475
	350163	I81 bridges over Oneida River rehabilitation, Hastings	10.800	1.200	12.000
	350164	I81 over I90 bridge rehabilitation, Salina	3.920	0.436	4.356
	350165	Element specific bridge rehabilitation, I81 over RT 11, Salina	4.535	0.504	5.039
	350167	Taft Rd element specific bridge repairs over I81, Cicero	3.160	0.791	3.951
	350172	I81 sign replacement contract, Cortland County Line to I481	0.508	0.057	0.565
	350175	I81 MBC, LaFayette to RT 173, Onondaga & Syracuse	5.221	0.580	5.801
	350640	Bridge rehabilitation of I690 over Teall Ave, Syracuse	2.676	0.297	2.973
	350641	I690 bridge over Beech St rehabilitation, Syracuse	17.989	1.999	19.988
	350643	I690 over CSX element specific bridge work, Geddes	1.970	0.219	2.189
	350644	Element specific bridge rehab, I690 over Bridge St, DeWitt	4.101	0.455	4.556

360189	I81 MBC, RT 31 to RT 49, Cicero, Hastings & West Monroe	4.090	0.456	4.546
360274	RT 31 MBC, Village of Baldwinsville	0.921	0.230	1.151
360275	RT 31 MBC, RT 481 to Belgium bridge, Clay	1.910	0.478	2.388
360277	RT 5 MBC, Halfway Rd to RT 174, Camillus & Elbridge	4.311	1.078	5.389
360281	RT 5 MBC, Hamilton Rd to Halfway Rd, Elbridge	1.736	0.434	2.170
360283	RT 5 MBC, County Line to Hamilton Rd, Elbridge	0.884	0.222	1.106
360285	RT 20 MBC, RT 175 to RT 80, Onondaga, Marcellus & Skaneateles	4.783	1.196	5.979
360308	RT 11 MBC, I81 to Syracuse City Line, Onondaga	0.293	0.073	0.366
360309	RT 31 MBC, RT 11 to Thompson Rd, Cicero	0.427	0.107	0.534
360310	RT 5 MBC, Thompson Rd to RT 91, Syracuse & DeWitt	1.076	0.269	1.345
375376	North Burdick St over Erie Canal bridge replacement, Manlius	2.200	0.550	2.750
380555	Overhead Sign Structures and Panel repair/replace	1.730	0.192	1.922
380567	Overhead Sign Structures and Panel repair/replace	1.217	0.135	1.352
380650	Regional deck treatment contract	0.583	0.146	0.729
380653	Bridge joint repair contract	0.085	0.022	0.107
380660	Bridge painting contract	0.362	0.091	0.453
380674	Regional ITS maintenance	1.025	0.256	1.281
380693	Overhead Sign Structures and Panel repair/replace	0.213	0.030	0.243
380703	TMC/ITS operations and maintenance	1.118	0.280	1.398
380704	TMC/ITS operations and maintenance	1.186	0.297	1.483
393276	Grade crossing improvement, Fingerlakes Rail, Solvay	0.234	0.058	0.292
3B1402	Bridge inspections by consultants	0.922	0.166	1.088
3B1403	Diving, State/Local bridges	0.066	0.012	0.078
3B1406	Maintenance & Protection of Traffic	0.321	0.054	0.375
3B1501	State/Local bridge inspections	0.432	0.078	0.510
3B1601	State/Local bridge inspections	0.462	0.084	0.546
3B1603	Diving, State/Local bridges	0.091	0.016	0.107
3B1608	Regional workzone traffic control	0.349	0.064	0.413
3B1701	State/Local bridge inspections	0.474	0.085	0.559
3B1802	Bridge inspections by consultants	0.671	0.121	0.792
3B1803	Diving, State/Local bridges	0.077	0.014	0.091

3M1701	Bridge clean & wash	0.880	0.220	1.100
3T6217	Pavement and bridge preservation block	3.060	0.765	3.825
3T6218	Pavement and bridge preservation block	2.831	0.708	3.539
OCDOT				
375425	Buckley Rd bridge over CSX rehabilitation, Clay	1.790	0.448	2.238
375460	South Bay Rd paving, RT 11 to Bear Rd, Salina, Clay & Cicero	1.564	0.391	1.955
375461	Allen Rd paving, Taft Rd to Bear Rd, Clay	1.674	0.419	2.093
375465	Northern Blvd/E Molloy Rd safety and paving project, DeWitt & Cicero	2.988	0.748	3.736
375466	Old Liverpool Rd/Electronics Pkwy safety project, Salina	0.522	0.118	0.640
375477	Jordan Rd bridge over Skaneateles Creek replacement, Skaneateles	1.077	0.269	1.346
375486	Traffic signal upgrades	0.736	0.184	0.920
375487	Fly Rd paving, Kirkville Rd to Thruway, DeWitt	1.040	0.260	1.300
375516	Bridge maintenance, phase I	0.917	0.229	1.146
375517	Bridge maintenance, phase II	2.037	0.510	2.547
375520	John Glenn Blvd EB over Onondaga Lake Outlet rehabilitation, Clay	2.476	0.620	3.096
375521	John Glenn Blvd WB over Onondaga Lake Outlet rehabilitation, Clay	2.476	0.620	3.096
375522	Oran Delphi Rd over Limestone Creek replacement, Pompey	1.046	0.262	1.308
375523	Otisco Valley Rd over Nine Mile Creek bridge replacement, Otisco	0.843	0.213	1.056
375524	Tully Farms Rd over Onondaga Creek replacement, LaFayette	0.615	0.153	0.768
375529	Electronics Pkwy/Henry Clay signal interconnect, Salina	0.871	0.217	1.088
375569	Old RT 5 (Warners Rd to Westlind Rd) & Warners Rd (Old RT 5 to RR bridge) paving, Camillus	0.309	0.079	0.388
375570	Fremont Rd bridge over Butternut Creek, Manlius	0.407	0.101	0.508
375571	Electronics Pkwy paving, Old Liverpool Rd to Hopkins Rd, Salina	0.423	0.106	0.529
375572	John Glenn Blvd WB paving, I690 to Buckley Rd, Clay	2.001	0.502	2.503
375573	Morgan Rd/Verplank Rd safety improvement, Clay	0.45	0.05	0.5
375574	Off system bridge preservation block	0.109	0.027	0.136

375575	Off system bridge preservation block	0.066	0.017	0.083
375576	Off system bridge preservation block	0.76	0.19	0.95
375577	Bridge painting, various locations	0.832	0.209	1.041
375578	Buckley Rd paving, Morgan Rd to Henry Clay Blvd, Clay	0.674	0.17	0.844
375579	West Taft Rd 2R paving, Buckely Rd to South Bay Rd, Clay	0.479	0.12	0.599
375580	West Taft Rd 1R paving, Burr Dr to Hollywood Rd, Clay	1.246	0.313	1.559
375581	Kirkville Rd paving, Kinne St to Roberts St, Manlius	0.96	0.24	1.2
375582	Old RT 57 paving, Calder Ct to RT 31, Clay	1.482	0.371	1.853
375583	Old RT 57 2R paving, Bell Harbor Dr to Pine Hollow Rd, Clay	0.544	0.138	0.682
Syracuse				
375290	Dickerson St bridge over Onondaga Creek rehabilitation	0.851	0.213	1.064
375436	South Salina St, Valley Plaza corridor improvements	1.581	0.395	1.976
375442	Syracuse traffic signal upgrade	0.349	0.088	0.437
375479	N, S, E, W corridors interconnect expansion	6.078	1.520	7.598
375481	James St improvement project, Teall Ave to Thompson Rd	1.233	0.308	1.541
375482	Plum St bridge over Onondaga Creek rehabilitation	0.467	0.117	0.584
375483	Seneca Turnpike corridor improvements, Hopper Rd to S Salina St	3.476	0.869	4.345
375484	Park St bridge over Ley Creek rehabilitation	1.058	0.265	1.323
375514	Creekwalk Phase II, Jefferson St to Colvin St	4.508	1.127	5.635
375518	Evan St bridge over Onondaga Creek rehabilitation	0.811	0.204	1.015
375519	Element specific city bridge repairs	0.463	0.116	0.579
375525	West Genesee St over Onondaga Creek element specific repairs	1.259	0.316	1.575
375526	UHill bike network implementation	0.959	0.239	1.198
375563	City of Syracuse Safe Routes to School neighborhood greenway	0.274	0.000	0.274
375584	Hiawatha Blvd bridge over Onondaga Creek sidewalk improvement	0.256	0.064	0.32
375585	Syracuse principal arterial mill & pave, various streets	4.319	1.08	5.399
375586	Teall Ave pavement resurfacing, Burnet St to Genesee St	0.853	0.213	1.066
375587	Bridge and pavement preservation block	4.876	1.219	6.095

Project Screening Process

A requirement of the federal transportation legislation is that all projects included on the TIP be subject to a systematic selection process. To meet this requirement, the SMTC staff conducts a screening process for all projects submitted for TIP funding. For the 2014-2018 TIP update cycle a new qualitative and quantitative analysis approach was created. The TIP project evaluation procedure consists of two tiers of analysis. **Tier one** evaluates candidate capital projects according to LRTP goals and objectives as mentioned above. This tier of evaluation equates to one-half (1/2) of all available points in the evaluation.

Tier two then analyzes proposals according to quantitative measures for bridges and pavements including benefit/cost examinations. This tier equates to one-half (1/2) of all available points. An example of the overall evaluation approach is contained in the *Transportation Improvement Program Guidebook*. Projects are then prioritized and selected for funding according to overall funding availability.

Project Management Selection and Amendment Process

The purpose of the Project Management Selection and Amendment Process is to allow projects to be moved from years two, three and four of the TIP to year one of the TIP without an amendment. This allows TIP adjustments for schedule slippage and cost changes without a full public review and comment period or a new conformity analysis. According to federal transportation legislation, minor adjustments/modifications do not require full public

review and comment. The SMTC process for prioritization assumes that the next implementable project will move up based on the scheduled date of the project phase, given that this does not cause an imbalance in any funding category. The SMTC Project Management Selection and Amendment Process appear in Appendix A.



West Street ramp to I690 EB and Herald Place
City of Syracuse

Long-Range Transportation Plan

As the SMTC LRTP is the blueprint that guides investment in the metropolitan area, all of the projects submitted for the 2014-2018 TIP have been evaluated against the community goals and objectives established in the Plan and are applicable to the eight SAFETEA-LU and MAP-21 planning factors. The full description for each of the eight planning factors contained in MAP-21 is:

1. Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity and efficiency;
2. Increase the safety of the transportation system for motorized and nonmotorized users;
3. Increase the security of the transportation system for motorized and nonmotorized users;



*CNYRTA Transit Hub
Photo courtesy of CNYRTA*

4. Increase the accessibility and mobility of people and for freight;
5. Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns;
6. Enhance the integration and connectivity of the

- transportation system, across and between modes, for people and freight;
7. Promote efficient system management and operation; and
8. Emphasize the preservation of the existing transportation system.

Public Transportation

In general, the transit projects included in the TIP are operational projects that will maintain transit operations and reduce operating costs within the urbanized area. Emphasis has been placed on those projects that will increase the efficiency and effectiveness of the existing levels and quality of transit service provided within the urbanized area. Of particular note is the continuation of funding for vehicle replacements at the transit authority for buses that have reached the end of their useful life. A significant percentage (33%) of these FTA funds is directed to this activity.

Public Involvement Process

Engaging the public early and often in the planning process is critical to the success of any transportation plan or program, and it is required by numerous State and Federal laws. Such legislation underscores the need for public involvement, calling on MPOs such as the SMTC to provide interested parties, local/State agencies responsible for land use management, natural resources, environmental protection, conservation and historic preservation, representatives of transportation agencies, private providers of transportation, tribal nations and other interested parties with a reasonable opportunity to

participate and comment on transportation plans and programs. A copy of the entire Public Involvement Process for the 2014-2018 TIP can be found in Appendix B. The public involvement process utilized for this capital program update adheres to applicable requirements noted in CFR 450.316 (i.e., interested parties, participation, and consultation).

Environmental Mitigation

Environmental mitigation is the process of consistency of transportation planning with applicable federal, state and local energy conservation programs, environmental goals, and objectives. Environmental mitigation is incorporated into the current LRTP goals for establishing project priorities. Additional details on potential program level, environmental mitigation activities are found in Chapter 7 of the SMTC's LRTP 2011 Update.

The SMTC's LRTP is essentially a policy level document that does not specifically contain many significant projects in the out-years for which potential mitigation activities would be appropriate. Additionally, as discussed previously in this document, projects that are contained in the 2014-2018 TIP are primarily focused on maintenance and preservation of the existing infrastructure. Specific mitigation measures will be examined at the project phase via the State Environmental Quality Review Act (SEQRA) and the National Environmental Policy Act (NEPA) processes and are therefore beyond the scope of the LRTP and TIP. However, environmental mitigation is a major consideration in local major investment studies, planning studies and other planning efforts. The SMTC member

agencies are already engaged in environmental mitigation activities at the planning and project level through the implementation of (a) NEPA and (b) SEQRA regulations that ensure projects are in harmony with the community, and that they preserve environmental, scenic, aesthetic, historic, and natural resource values of the area in which they are located.

Air Quality

As a result of the Clean Air Act Amendments of 1990, Onondaga County had been designated as Low Moderate Non-Attainment for CO. Onondaga County was subsequently re-designated as a maintenance area in October 1993. The TIP is in conformance with applicable air quality requirements, which mandate that the program must not degrade air quality in the maintenance area. This conformity determination is being made for the five-year TIP and the corresponding LRTP 2011 Update.

A copy of the Conformity Analysis as reviewed by the Interagency Consultation Group (ICG) can be found in Appendix C. Note that the analysis presented herein was created in March 2013 for the 2011-2015 TIP. Following discussion and concurrence with the ICG in February 2013, per federal transportation conformity regulations (40 CFR 93.122(g)), a previous regional emissions analysis may be utilized for a current capital program if several criteria are met.

- (i) The new Plan and/or TIP contain all projects which must be started in the Plan and TIP's timeframes in order to achieve the highway and

transit system envisioned by the transportation plan.

(ii) All Plan and TIP projects, which are regionally significant, are included in the Plan with design concept and scope adequate to determine their contribution to the TIP's regional emissions at the time of the previous conformity determination.

(iii) The design concept and scope of each regionally significant project in the new Plan is not significantly different from that described in the previous Plan.



*Almond Street at Adams Street
Pedestrian improvements*

(iv) The previous regional emissions analysis is consistent with the requirements of Section 93.118 and/or 93.119, as applicable.

Given that the 2014-2018 TIP consists primarily of projects classified as exempt for the purposes of transportation conformity and a few non-exempt projects with no foreseeable schedule modifications when last analyzed in 2013, the latest 2011-2015 TIP and LRTP 2011 Update transportation conformity analysis meet the basic requirements of Section 93.122(g).

Energy and Greenhouse Gas Emissions

Similar to the inclusion of a carbon monoxide emissions analysis (transportation conformity analysis), a quantitative analysis of energy usage and greenhouse gas emissions was completed. While the energy and greenhouse gas analyses are not a federal requirement, they do support the intent of the New York State Energy Plan. The analysis is found in Appendix D.

CONCLUSION

The proactive cooperation of the SMTC member agencies and the SMTC Central Staff will continue to contribute to better transportation infrastructure investments and mobility in the Syracuse metropolitan area. With the completion of the projects contained in the TIP, the area can look forward to improved connectivity between modes, improved air quality and mobility, as well as improved infrastructure which is important given the reduced federal planning targets available for programming over the next five federal fiscal year period.

2014-2018 Available Resources versus Programmed Funding by Federal Fiscal Year and Fund Source (\$M)

	FFY 13/14		FFY 14/15		FFY 15/16		FFY 16/17		FFY 17/18		Total	
	Available Resources	Programmed	Available Resources	Programmed	Available Resources	Programmed	Available Resources	Programmed	Available Resources	Programmed	Available Resources	Total Programmed
FHWA - Federal-Aid												
HSIP	\$1.110	\$0.984	\$1.301	\$0.775	\$1.301	\$1.363	\$1.301	\$1.324	\$1.301	\$1.199	\$6.314	\$5.645
NHPP	\$27.519	\$26.368	\$17.984	\$18.560	\$26.749	\$27.122	\$28.049	\$27.839	\$25.949	\$25.949	\$126.250	\$125.838
Surface Transportation Program (STP)												
STP-Enhancement	#	#	#	#	#	#	#	#	#	#	\$0.000	\$0.000
STP-Flex	\$6.246	\$6.130	\$4.634	\$4.634	\$4.634	\$4.874	\$4.634	\$5.214	\$4.634	\$4.634	\$24.782	\$25.486
STP-Off System Bridge	\$2.777	\$2.359	\$2.177	\$1.957	\$2.177	\$1.089	\$2.177	\$1.308	\$2.177	\$2.421	\$11.485	\$9.134
STP-Urban	\$2.720	\$2.703	\$2.720	\$2.738	\$2.720	\$2.866	\$2.720	\$3.191	\$2.720	\$2.720	\$13.600	\$14.218
Traditional Fund Sources Subtotal	\$40.372	\$38.544	\$28.816	\$28.664	\$37.581	\$37.314	\$38.881	\$38.876	\$36.781	\$36.923	\$182.431	\$180.321
High Priority Projects, Demonstration Projects, Discretionary Programs, and Miscellaneous Federal-Aid	0.704	0.704	\$0.499	\$0.499							\$1.203	\$1.203
FHWA FEDERAL-AID SUBTOTAL	\$41.076	\$39.248	\$29.315	\$29.163	\$37.581	\$37.314	\$38.881	\$38.876	\$36.781	\$36.923	\$183.634	\$181.524
FTA - Federal-Aid												
Section 5307	\$7.049	\$5.030	\$7.049	\$10.998	\$7.049	\$8.887	\$7.049	\$7.703	\$7.049	\$6.114	\$35.245	\$38.732
5307 carryover	\$4.781		\$7.415		\$4.081		\$2.782		\$0.364		\$4.781	
Section 5310	\$0.380	TBD	\$0.380	TBD	\$0.380	TBD	\$0.380	TBD	\$0.380	TBD	\$1.900	TBD
Section 5339	\$0.615	\$0.000	\$0.615	\$0.000	\$0.615	\$0.075	\$0.615	\$2.380	\$0.615	\$0.796	\$3.075	\$3.251
FTA FEDERAL-AID SUBTOTAL	\$12.825	\$5.030	\$15.459	\$10.998	\$12.125	\$8.962	\$10.826	\$10.083	\$8.408	\$6.910	\$45.001	\$41.983
FHWA/FTA FEDERAL-AID TOTAL	\$53.901	\$44.278	\$44.774	\$40.161	\$49.706	\$46.276	\$49.707	\$48.959	\$45.189	\$43.833	\$228.635	\$223.507
State and Local Sources (Match)												
State and Local Funds	\$9.188	\$9.188	\$8.293	\$8.293	\$10.406	\$10.406	\$9.484	\$9.484	\$8.769	\$8.769	\$46.140	\$46.140
STATE and LOCAL FUND SOURCES TOTAL	\$9.188	\$9.188	\$8.293	\$8.293	\$10.406	\$10.406	\$9.484	\$9.484	\$8.769	\$8.769	\$46.140	\$46.140
TOTAL ALL PROGRAMS	\$63.089	\$53.466	\$53.067	\$48.454	\$60.112	\$56.682	\$59.191	\$58.443	\$53.958	\$52.602	\$274.775	\$269.647

Earmarks, other discretionary funding and enhancements beyond what is currently programmed in TIP are unknown at this time

FEDERAL HIGHWAY ADMINISTRATION

PROJECT LISTING

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

2014-2018 TIP										
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
305621	NYSDOT	RT 481 BRIDGE OVER BONSTEAD RD REHABILITATION, TN OF CLAY, ONON CO								
		Air Quality Status: Exempt								
			Construction	HBRR						
			Construction	Match						
			Inspection	HBRR						
			Inspection	Match						
		Total Federal Funds:								\$0
		Total:								\$0
305622	NYSDOT	I481: I690 TO I81 RESURFACING, TNS OF DEWITT & ONONDAGA, ONON CO								
		Air Quality Status: Exempt								
			Construction	IM						
			Construction	Match						
			Inspection	IM						
			Inspection	Match						
		Total Federal Funds:								\$0
		Total:								\$0
305623	NYSDOT	SIGN REPLACEMENT CONTRACT ON RT 481, I81 TO OSWEGO CO LINE								
		Air Quality Status:								
			Detailed Design	NHPP	\$25,000					
			Detailed Design	Match	\$6,000					
			Construction	NHPP	\$240,000					
			Construction	Match	\$60,000					
			Inspection	NHPP	\$25,000					
			Inspection	Match	\$6,000					
		Total Federal Funds:			\$290,000					\$290,000
		Total:			\$362,000					\$362,000
305624	NYSDOT	CLEAND AND PAINT RT 481 OVER BONSTEAD RD, TN OF CLAY, ONO CO								
		Air Quality Status: TBD								
			Construction	NHPP	\$1,242,000					
			Construction	Match	\$311,000					
			Inspection	NHPP	\$124,000					
			Inspection	Match	\$31,000					
		Total Federal Funds:			\$1,366,000					\$1,366,000
		Total:			\$1,708,000					\$1,708,000
307617	NYSDOT	RT 5 RAMPS TO RT 695 OVER RT 297 & CSX RR, ONON CO								
		Air Quality Status: Exempt								
			Scoping	HBRR						
			Scoping	Match						
			Detailed Design	NHPP	\$71,000					
			Detailed Design	Match	\$18,000					
			Construction	NHPP		\$497,000				
			Construction	Match		\$124,000				
			Inspection	NHPP		\$50,000				
			Inspection	Match		\$13,000				
		Total Federal Funds:			\$71,000	\$547,000				\$618,000
		Total:			\$89,000	\$684,000				\$773,000

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
307619	NYSDOT	RT 5, INTERSECTION IMPROVEMENT, RT 5 AT HAMILTON RD TO ELBRIDGE, ONON CO								
Air Quality Status:			Exempt							
			Detailed Design	STP-Safety						
			Detailed Design	Match						
			Construction	HSIP	\$373,000					
			Construction	Match	\$93,000					
			Inspection	HSIP	\$33,000					
			Inspection	Match	\$8,000					
Total Federal Funds:					\$406,000					\$406,000
Total:					\$507,000					\$507,000
307621	NYSDOT	RT 5, VILLAGE OF ELBRIDGE, ONON CO								
Air Quality Status:										
			Scoping	HSIP		\$144,000				
			Scoping	Match		\$16,000				
			Detailed Design	HSIP				\$153,000		
			Detailed Design	Match				\$17,000		
			Construction	HSIP					\$1,090,000	
			Construction	Match					\$121,000	
			Inspection	HSIP					\$109,000	
			Inspection	Match					\$12,000	
Total Federal Funds:						\$144,000		\$153,000	\$1,199,000	\$1,496,000
Total:						\$160,000		\$170,000	\$1,332,000	\$1,662,000
310421	NYSDOT	RT 635 BRIDGE OVER I690 REHABILITATION, SYRACUSE, ONON CO								
Air Quality Status:			Exempt							
			Scoping	NHPP	\$115,000					
			Scoping	Match	\$29,000					
			Detailed Design	NHPP		\$194,000				
			Detailed Design	Match		\$49,000				
			Construction	NHPP			\$1,913,000			
			Construction	Match			\$478,000			
			Inspection	NHPP			\$191,000			
			Inspection	Match			\$48,000			
Total Federal Funds:					\$115,000	\$194,000	\$2,104,000			\$2,413,000
Total:					\$144,000	\$243,000	\$2,630,000			\$3,017,000

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
328717	NYSDOT	ONONDAGA LAKE PARKWAY CORRIDOR PAVEMENT RESURFACING, SR 370, TN OF SALINA, ONON CO								
		Air Quality Status: Exempt								
			Preliminary Design	NHPP	\$720,000					
			Preliminary Design	Match	\$180,000					
			Detailed Design	NHPP		\$200,000				
			Detailed Design	Match		\$50,000				
			Construction	HSIP			\$1,132,000			
			Construction	Match			\$283,000			
			Construction	NHPP			\$1,833,000			
			Construction	Match			\$458,000			
			Inspection	HSIP			\$169,000			
			Inspection	Match			\$42,000			
			Inspection	NHPP			\$276,000			
			Inspection	Match			\$69,000			
			Other	STP-Flex			\$43,000			
			Other	Match			\$11,000			
		Total Federal Funds:			\$720,000	\$200,000	\$3,453,000			\$4,373,000
		Total:			\$900,000	\$250,000	\$4,316,000			\$5,466,000
328720	NYSDOT	RT 370 BRIDGE OVER SENECA RIVER REHABILITATION, TN OF LYSANDER, ONO CO								
		Air Quality Status: Exempt								
			Detailed Design	HBRR						
			Detailed Design	Match						
			Construction	HBRR						
			Construction	Match						
			Inspection	HBRR						
			Inspection	Match						
		Total Federal Funds:								\$0
		Total:								\$0
328721	NYSDOT	RT 370 AT JOHN GLENN BOULEVARD, TN OF SALINA, ONON CO								
		Air Quality Status:								
			Scoping	HSIP		\$107,000				
			Scoping	Match		\$12,000				
			Detailed Design	HSIP		\$107,000				
			Detailed Design	Match		\$12,000				
			Construction	HSIP				\$763,000		
			Construction	Match				\$85,000		
			Inspection	HSIP				\$76,000		
			Inspection	Match				\$8,000		
		Total Federal Funds:				\$214,000		\$839,000		\$1,053,000
		Total:				\$238,000		\$932,000		\$1,170,000

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP								
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP			
350156	NYSDOT	I81 BRIDGES OVER RT 80 REPLACEMENT, TN OF TULLY, ONO CO Air Quality Status: Exempt	ROW Acquisition	NHS									
			ROW Acquisition	Match									
			Construction	NHPP		\$5,440,000							
			Construction	Match		\$604,000							
			Inspection	NHPP		\$388,000							
			Inspection	Match		\$43,000							
			Total Federal Funds:					\$5,828,000			\$5,828,000		
			Total:					\$6,475,000			\$6,475,000		
			350163	NYSDOT	I81 BRIDGES OVER ONEIDA LAKE/BARGE CANAL REHABILITATION, TN OF HASTINGS, OSW CO Air Quality Status: Exempt	Detailed Design	NHPP	\$900,000					
						Detailed Design	Match	\$100,000					
Construction	NHPP	\$9,000,000											
Construction	Match	\$1,000,000											
Inspection	NHPP	\$900,000											
Inspection	Match	\$100,000											
Total Federal Funds:						\$10,800,000				\$10,800,000			
Total:						\$12,000,000				\$12,000,000			
350164	NYSDOT	I81 OVER I90 BRIDGE REHABILITATION, TN OF SALINA, ONON CO Air Quality Status: Exempt				Scoping	NHS						
						Scoping	Match						
			Detailed Design	HBRR									
			Detailed Design	Match									
			Construction	NHPP		\$3,564,000							
			Construction	Match		\$396,000							
			Inspection	NHPP		\$356,000							
			Inspection	Match		\$40,000							
			Total Federal Funds:				\$3,920,000				\$3,920,000		
			Total:				\$4,356,000				\$4,356,000		
350165	NYSDOT	ELEMENT SPECIFIC BRIDGE REHAB I-81 OVER RT 11, TN OF SALINA, ONON CO Air Quality Status: Exempt	Scoping	NHPP	\$192,000								
			Scoping	Match	\$21,000								
			Detailed Design	NHPP		\$298,000							
			Detailed Design	Match		\$33,000							
			Construction	NHPP			\$3,678,000						
			Construction	Match			\$409,000						
			Inspection	NHPP			\$367,000						
			Inspection	Match			\$41,000						
			Total Federal Funds:				\$192,000	\$298,000	\$4,045,000		\$4,535,000		
			Total:				\$213,000	\$331,000	\$4,495,000		\$5,039,000		

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
350167	NYSDOT	TAFT RD ELEMENT SPECIFIC BRIDGE REPAIRS OVER I81, TN OF CICERO, ONON CO								
		Air Quality Status:	Exempt							
			Detailed Design	NHPP				\$267,000		
			Detailed Design	Match				\$67,000		
			Construction	NHPP					\$2,630,000	
			Construction	Match					\$658,000	
			Inspection	NHPP					\$263,000	
			Inspection	Match					\$66,000	
Total Federal Funds:								\$267,000	\$2,893,000	\$3,160,000
Total:								\$334,000	\$3,617,000	\$3,951,000
350170	NYSDOT	I81 RESURFACE, CENTRAL SQ TO 1 MILE N OF TINKER TAVERN RD, OSW CO.								
		Air Quality Status:	Exempt							
			Detailed Design	IM						
			Detailed Design	Match						
			Construction	IM						
			Construction	Match						
			Inspection	IM						
			Inspection	Match						
Total Federal Funds:										\$0
Total:										\$0
350172	NYSDOT	SIGN REPLACEMENT CONTRACT ON I81, CORTLAND CO LINE TO I481								
		Air Quality Status:	TBD							
			Detailed Design	NHPP	\$47,000					
			Detailed Design	Match	\$5,000					
			Construction	NHPP	\$419,000					
			Construction	Match	\$47,000					
			Inspection	NHPP	\$42,000					
			Inspection	Match	\$5,000					
Total Federal Funds:					\$508,000					\$508,000
Total:					\$565,000					\$565,000
350175	NYSDOT	I-81 MBC, LAFAYETTE TO RT 173, TN OF ONONDAGA								
		Air Quality Status:								
			Scoping	NHPP				\$261,000		
			Scoping	Match				\$29,000		
			Detailed Design	NHPP				\$174,000		
			Detailed Design	Match				\$19,000		
			Construction	NHPP					\$4,351,000	
			Construction	Match					\$483,000	
			Inspection	NHPP					\$435,000	
			Inspection	Match					\$48,000	
Total Federal Funds:								\$435,000	\$4,786,000	\$5,221,000
Total:								\$483,000	\$5,317,000	\$5,800,000

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
350639	NYSDOT	RT 690 BRIDGES OVER BARGE CANAL AND RT 31 REHABILITATION, TN OF LYSANDER, ONON CO								
Air Quality Status:			Exempt							
			Detailed Design	HBRR						
			Detailed Design	Match						
			Detailed Design	IM						
			Detailed Design	Match						
			Construction	HBRR						
			Construction	Match						
			Construction	IM						
			Construction	Match						
			Inspection	HBRR						
			Inspection	Match						
			Inspection	IM						
			Inspection	Match						
Total Federal Funds:										\$0
Total:										\$0
350640	NYSDOT	BRIDGE REHAB OF I-690 OVER TEALL AVE, SYRACUSE, ONON CO								
Air Quality Status:			Exempt							
			Scoping	NHPP	\$54,000					
			Scoping	Match	\$6,000					
			Detailed Design	NHPP		\$204,000				
			Detailed Design	Match		\$23,000				
			Construction	NHPP					\$2,198,000	
			Construction	Match					\$244,000	
			Inspection	NHPP					\$220,000	
			Inspection	Match					\$24,000	
Total Federal Funds:					\$54,000	\$204,000			\$2,418,000	\$2,676,000
Total:					\$60,000	\$227,000			\$2,686,000	\$2,973,000
350641	NYSDOT	I690 BRIDGE OVER BEECH ST REHABILITATION, SYRACUSE, ONON CO								
Air Quality Status:			Exempt							
			Scoping	NHPP	\$810,000					
			Scoping	Match	\$90,000					
			Detailed Design	NHPP		\$1,254,000				
			Detailed Design	Match		\$139,000				
			Construction	NHPP				\$14,477,000		
			Construction	Match				\$1,609,000		
			Inspection	NHPP				\$1,448,000		
			Inspection	Match				\$161,000		
Total Federal Funds:					\$810,000	\$1,254,000		\$15,925,000		\$17,989,000
Total:					\$900,000	\$1,393,000		\$17,695,000		\$19,988,000

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
350643	NYSDOT	I690 OVER CSX RAILROAD ELEMENT SPECIFIC BRIDGE WORK, TN OF GEDDES, ONON CO								
Air Quality Status:			Exempt							
			Scoping	NHPP				\$64,000		
			Scoping	Match				\$7,000		
			Detailed Design	NHPP					\$36,000	
			Detailed Design	Match					\$4,000	
			Construction	NHPP					\$1,700,000	
			Construction	Match					\$189,000	
			Inspection	NHPP					\$170,000	
			Inspection	Match					\$19,000	
Total Federal Funds:								\$64,000	\$1,906,000	\$1,970,000
Total:								\$71,000	\$2,118,000	\$2,189,000
350644	NYSDOT	ELEMENT SPECIFIC BRIDGE REHAB - I690 OVER BRIDGE ST, TN OF DEWITT, ONON CO								
Air Quality Status:			Exempt							
			Construction	NHPP					\$3,728,000	
			Construction	Match					\$414,000	
			Inspection	NHPP					\$373,000	
			Inspection	Match					\$41,000	
Total Federal Funds:									\$4,101,000	\$4,101,000
Total:									\$4,556,000	\$4,556,000
360189	NYSDOT	I81 MBC, RT 31 SOUTH OF RT 49, TNS OF CICERO, HASTINGS, WEST MONROE, ONON & OSW CO								
Air Quality Status:			Exempt							
			Scoping	NHPP		\$33,000				
			Scoping	Match		\$4,000				
			Detailed Design	NHPP		\$42,000				
			Detailed Design	Match		\$5,000				
			Construction	NHPP			\$3,650,000			
			Construction	Match			\$406,000			
			Inspection	NHPP			\$365,000			
			Inspection	Match			\$41,000			
Total Federal Funds:						\$75,000	\$4,015,000			\$4,090,000
Total:						\$84,000	\$4,462,000			\$4,546,000
360274	NYSDOT	RT 31 MBC, VILLAGE OF BALDWINSVILLE, ONON CO								
Air Quality Status:			Exempt							
			Scoping	NHPP	\$25,000					
			Scoping	Match	\$6,000					
			Detailed Design	NHPP		\$51,000				
			Detailed Design	Match		\$13,000				
			Construction	NHPP		\$768,000				
			Construction	Match		\$192,000				
			Inspection	NHPP		\$77,000				
			Inspection	Match		\$19,000				
Total Federal Funds:					\$25,000	\$896,000				\$921,000
Total:					\$31,000	\$1,120,000				\$1,151,000

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP								
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP			
360275	NYSDOT	RT 31 MBC, RT 481 TO BELGIUM BRIDGE, TN OF CLAY, ONON CO Air Quality Status: Exempt	Scoping	NHPP	\$83,000								
			Scoping	Match	\$21,000								
			Detailed Design	NHPP		\$128,000							
			Detailed Design	Match		\$32,000							
			Construction	NHPP		\$1,544,000							
			Construction	Match		\$386,000							
			Inspection	NHPP		\$155,000							
			Inspection	Match		\$39,000							
			Total Federal Funds:				\$83,000	\$1,827,000			\$1,910,000		
			Total:				\$104,000	\$2,284,000			\$2,388,000		
			360277	NYSDOT	RT 5 MBC, HALFWAY RD TO RT 174, TNS OF CAMILLUS & ELBRIDGE, ONO CO Air Quality Status: Exempt	Scoping	NHPP		\$175,000				
						Scoping	Match		\$44,000				
Detailed Design	NHPP					\$175,000							
Detailed Design	Match					\$44,000							
Construction	NHPP						\$3,601,000						
Construction	Match						\$900,000						
Inspection	NHPP						\$360,000						
Inspection	Match						\$90,000						
Total Federal Funds:							\$350,000	\$3,961,000		\$4,311,000			
Total:							\$438,000	\$4,951,000		\$5,389,000			
360281	NYSDOT	RT 5 MBC, HAMILTON RD TO HALFWAY RD, TN OF ELBRIDGE, ONON CO Air Quality Status: Exempt				Scoping	NHPP		\$53,000				
						Scoping	Match		\$13,000				
			Detailed Design	NHPP			\$90,000						
			Detailed Design	Match			\$23,000						
			Construction	NHPP			\$1,448,000						
			Construction	Match			\$362,000						
			Inspection	NHPP			\$145,000						
			Inspection	Match			\$36,000						
			Total Federal Funds:					\$53,000	\$1,683,000		\$1,736,000		
			Total:					\$66,000	\$2,104,000		\$2,170,000		
			360283	NYSDOT	RT 5 MBC, COUNTY LINE TO HAMILTON RD, TN OF ELBRIDGE, ONON CO Air Quality Status: Exempt	Scoping	NHPP			\$22,000			
						Scoping	Match			\$6,000			
Detailed Design	NHPP							\$45,000					
Detailed Design	Match							\$11,000					
Construction	NHPP							\$742,000					
Construction	Match							\$186,000					
Inspection	NHPP							\$75,000					
Inspection	Match							\$19,000					
Total Federal Funds:								\$22,000	\$862,000	\$884,000			
Total:								\$28,000	\$1,078,000	\$1,106,000			

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
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360285	NYSDOT	RT 20, MBC, RT 175 TO RT 80, TNS OF ONONDAGA, MARCELLUS, SKANEATELES								
		Air Quality Status:	Exempt							
			Scoping	NHPP		\$171,000				
			Scoping	Match		\$43,000				
			Detailed Design	NHPP			\$264,000			
			Detailed Design	Match			\$66,000			
			Construction	NHPP			\$3,953,000			
			Construction	Match			\$988,000			
			Inspection	NHPP			\$395,000			
			Inspection	Match			\$99,000			
		Total Federal Funds:				\$171,000	\$4,612,000			\$4,783,000
		Total:				\$214,000	\$5,765,000			\$5,979,000
360308	NYSDOT	RT 11 MBC, I81 TO SYRACUSE CITY LINE, TN OF ONONDAGA								
		Air Quality Status:								
			Scoping	STP-Flex			\$21,000			
			Scoping	Match			\$5,000			
			Detailed Design	STP-Flex			\$14,000			
			Detailed Design	Match			\$4,000			
			Construction	STP-Flex				\$234,000		
			Construction	Match				\$59,000		
			Inspection	STP-Flex				\$24,000		
			Inspection	Match				\$6,000		
		Total Federal Funds:					\$35,000	\$258,000		\$293,000
		Total:					\$44,000	\$323,000		\$367,000
360309	NYSDOT	RT 31 MBC, RT 11 TO THOMPSON RD, TN OF CICERO								
		Air Quality Status:								
			Scoping	STP-Urban			\$31,000			
			Scoping	Match			\$8,000			
			Detailed Design	STP-Urban			\$21,000			
			Detailed Design	Match			\$5,000			
			Construction	STP-Urban				\$342,000		
			Construction	Match				\$85,000		
			Inspection	STP-Urban				\$34,000		
			Inspection	Match				\$9,000		
		Total Federal Funds:					\$52,000	\$376,000		\$428,000
		Total:					\$65,000	\$470,000		\$535,000
360310	NYSDOT	RT 5 MBC, THOMPSON RD TO RT 92, TN OF DEWITT								
		Air Quality Status:								
			Scoping	NHPP				\$77,000		
			Scoping	Match				\$19,000		
			Detailed Design	NHPP				\$52,000		
			Detailed Design	Match				\$13,000		
			Construction	NHPP					\$861,000	
			Construction	Match					\$215,000	
			Inspection	NHPP					\$86,000	
			Inspection	Match					\$22,000	
		Total Federal Funds:						\$129,000	\$947,000	\$1,076,000
		Total:						\$161,000	\$1,184,000	\$1,345,000

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
375376	NYSDOT	NORTH BURDICK ST OVER ERIE CANAL BRIDGE REPLACEMENT, TN OF MANLIUS, ONON CO								
Air Quality Status:			Exempt							
			ROW Acquisition	HBRR						
			ROW Acquisition	Match						
			Construction	STP-Flex	\$2,000,000					
			Construction	Match	\$500,000					
			Inspection	STP-Flex	\$200,000					
			Inspection	Match	\$50,000					
Total Federal Funds:					\$2,200,000					\$2,200,000
Total:					\$2,750,000					\$2,750,000
380555	NYSDOT	OVERHEAD SIGN STRUCTURES AND PANEL REPAIR/REPLACE								
Air Quality Status:			Exempt							
			Construction	NHPP				\$1,573,000		
			Construction	Match				\$175,000		
			Inspection	NHPP				\$157,000		
			Inspection	Match				\$17,000		
Total Federal Funds:								\$1,730,000		\$1,730,000
Total:								\$1,922,000		\$1,922,000
380567	NYSDOT	OVERHEAD SIGN STRUCTURE & PANEL REPAIR/REPLACE CONTRACT								
Air Quality Status:			Exempt							
			Scoping	NHPP				\$162,000		
			Scoping	Match				\$18,000		
			Detailed Design	NHPP				\$65,000		
			Detailed Design	Match				\$7,000		
			Construction	NHPP					\$900,000	
			Construction	Match					\$100,000	
			Inspection	NHPP					\$90,000	
			Inspection	Match					\$10,000	
Total Federal Funds:								\$227,000	\$990,000	\$1,217,000
Total:								\$252,000	\$1,100,000	\$1,352,000
380622	NYSDOT	BRIDGE PAINTING 2014, VARIOUS LOCATIONS								
Air Quality Status:			Exempt							
			Detailed Design	HBRR						
			Detailed Design	Match						
			Construction	HBRR						
			Construction	Match						
			Inspection	HBRR						
			Inspection	Match						
Total Federal Funds:										\$0
Total:										\$0
380641	NYSDOT	REPAIR AND REPLACEMENT OF BRIDGE NAVIGATION LIGHTS, ONON CO								
Air Quality Status:			Exempt							
			Construction	HBRR						
			Construction	Match						
			Inspection	HBRR						
			Inspection	Match						
Total Federal Funds:										\$0
Total:										\$0

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
380649	NYSDOT	REGION WIDE BRIDGE JOINT REPAIR CONTRACT								
Air Quality Status:			Exempt							
			Construction	HBRR						
			Construction	Match						
			Inspection	HBRR						
			Inspection	Match						
Total Federal Funds:										\$0
Total:										\$0
380650	NYSDOT	REGIONAL DECK TREATMENT CONTRACT								
Air Quality Status:										
			Detailed Design	NHPP						
			Detailed Design	Match						
			Construction	NHPP	\$530,000					
			Construction	Match	\$133,000					
			Inspection	NHPP	\$53,000					
			Inspection	Match	\$13,000					
Total Federal Funds:					\$583,000					\$583,000
Total:					\$729,000					\$729,000
380651	NYSDOT	BRIDGE JOINT REPAIR CONTRACT								
Air Quality Status:			Exempt							
			Detailed Design	HBRR						
			Construction	HBRR						
			Construction	Match						
			Inspection	HBRR						
			Inspection	Match						
Total Federal Funds:										\$0
Total:										\$0
380653	NYSDOT	BRIDGE JOINT REPAIR CONTRACT								
Air Quality Status:			Exempt							
			Scoping	Match						
			Detailed Design	NHPP	\$1,000					
			Detailed Design	Match	\$1,000					
			Detailed Design	STP-Flex	\$2,000					
			Detailed Design	Match	\$1,000					
			Construction	NHPP	\$37,000					
			Construction	Match	\$9,000					
			Construction	STP-Flex	\$38,000					
			Construction	Match	\$10,000					
			Inspection	NHPP	\$3,000					
			Inspection	Match	\$1,000					
			Inspection	STP-Flex	\$4,000					
			Inspection	Match	\$1,000					
Total Federal Funds:					\$85,000					\$85,000
Total:					\$108,000					\$108,000

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP							
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP		
380660	NYSDOT	BRIDGE PAINTING CONTRACT Air Quality Status: Exempt	Scoping	NHPP		\$7,000						
			Scoping	Match		\$2,000						
			Detailed Design	NHPP		\$7,000						
			Detailed Design	Match		\$2,000						
			Construction	NHPP			\$316,000					
			Construction	Match			\$79,000					
			Inspection	NHPP			\$32,000					
			Inspection	Match			\$8,000					
			Total Federal Funds:					\$14,000	\$348,000			\$362,000
			Total:					\$18,000	\$435,000			\$453,000
380674	NYSDOT	REGIONAL ITS MAINTENANCE PROJECT Air Quality Status: Exempt	Detailed Design	IM								
			Detailed Design	Match								
			Construction	NHPP	\$932,000							
			Construction	Match	\$233,000							
			Inspection	NHPP	\$93,000							
			Inspection	Match	\$23,000							
			Total Federal Funds:				\$1,025,000				\$1,025,000	
			Total:				\$1,281,000				\$1,281,000	
380676	NYSDOT	CENTERLINE AUDIBLE ROADWAY DELINEATORS (CARDS) PROJECT, ONON CO Air Quality Status: Exempt	Detailed Design	STP-Safety								
			Detailed Design	Match								
			Construction	STP-Safety								
			Construction	Match								
			Inspection	STP-Safety								
			Inspection	Match								
			Total Federal Funds:								\$0	
			Total:								\$0	
380692	NYSDOT	REGIONAL OVERHEAD SIGN STRUCTURE AND PANEL REPAIR/REPLACE Air Quality Status: Exempt	Detailed Design	IM								
			Detailed Design	Match								
			Detailed Design	STP-Flex								
			Detailed Design	Match								
			Construction	IM								
			Construction	Match								
			Construction	STP-Flex								
			Construction	Match								
			Inspection	IM								
			Inspection	Match								
			Inspection	STP-Flex								
			Inspection	Match								
			Total Federal Funds:								\$0	
			Total:								\$0	

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
380693	NYSDOT	REGIONAL OVERHEAD SIGN STRUCTURE & PANEL REPAIR/REPLACE								
Air Quality Status:			Exempt							
			Scoping	IM						
			Scoping	Match						
			Scoping	STP-Flex						
			Scoping	Match						
			Detailed Design	IM						
			Detailed Design	Match						
			Detailed Design	NHPP	\$17,000					
			Detailed Design	Match	\$2,000					
			Detailed Design	STP-Flex	\$3,000					
			Detailed Design	Match	\$1,000					
			Construction	NHPP	\$149,000					
			Construction	Match	\$17,000					
			Construction	STP-Flex	\$26,000					
			Construction	Match	\$7,000					
			Inspection	NHPP	\$15,000					
			Inspection	Match	\$2,000					
			Inspection	STP-Flex	\$3,000					
			Inspection	Match	\$1,000					
Total Federal Funds:					\$213,000					\$213,000
Total:					\$243,000					\$243,000
380703	NYSDOT	TMC/ITS OPERATIONS AND MAINTENANCE								
Air Quality Status:			Exempt							
			Other	NHPP	\$1,118,000					
			Other	Match	\$280,000					
Total Federal Funds:					\$1,118,000					\$1,118,000
Total:					\$1,398,000					\$1,398,000
380704	NYSDOT	TMC/ITS OPERATIONS AND MAINTENANCE								
Air Quality Status:			Exempt							
			Other	NHPP			\$1,186,000			
			Other	Match			\$297,000			
Total Federal Funds:							\$1,186,000			\$1,186,000
Total:							\$1,483,000			\$1,483,000
393274	NYSDOT	GRADE XING IMPROVEMENT, NYS&W, SYRACUSE, RT 80, TN OF FABIUS, ONON CO								
Air Quality Status:			Exempt							
			Construction	STP-Rail						
			Construction	Match						
Total Federal Funds:										\$0
Total:										\$0
393275	NYSDOT	GRADE XING IMP PROG NYS&W RT 11, TN OF TULLY, ONON CO								
Air Quality Status:			Exempt							
			Construction	STP-Rail						
			Construction	Match						
Total Federal Funds:										\$0
Total:										\$0

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FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
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393276	NYSDOT	GRADE XING IMP PROG, FGLK, AUBURN SEC SOLVAY, ONON CO								
		Air Quality Status: Exempt								
			Preliminary Design	STP-Rail	\$9,000					
			Preliminary Design	Match	\$2,000					
			Construction	STP-Rail		\$225,000				
			Construction	Match		\$56,000				
		Total Federal Funds:				\$9,000	\$225,000			\$234,000
		Total:				\$11,000	\$281,000			\$292,000
3B1401	NYSDOT	STATE & LOCAL BRIDGE INSPECTION BY STATE FORCES								
		Air Quality Status: Exempt								
			Other	HBRR						
			Other	Match						
		Total Federal Funds:								\$0
		Total:								\$0
3B1402	NYSDOT	BRIDGE INSPECTION BY CONSULTANTS 13 & 14								
		Air Quality Status: Exempt								
			Detailed Design	NHPP	\$461,000					
			Detailed Design	Match	\$51,000					
			Detailed Design	STP-Flex	\$461,000					
			Detailed Design	Match	\$115,000					
		Total Federal Funds:				\$922,000				\$922,000
		Total:				\$1,088,000				\$1,088,000
3B1403	NYSDOT	DIVING, STATE/LOCAL BRIDGES 14 & 15								
		Air Quality Status:								
			Detailed Design	NHPP	\$33,000					
			Detailed Design	Match	\$4,000					
			Detailed Design	STP-Flex	\$33,000					
			Detailed Design	Match	\$8,000					
		Total Federal Funds:				\$66,000				\$66,000
		Total:				\$78,000				\$78,000
3B1406	NYSDOT	MP & T 13 & 14								
		Air Quality Status: Exempt								
			Construction	NHPP	\$144,000					
			Construction	Match	\$16,000					
			Construction	STP-Flex	\$144,000					
			Construction	Match	\$36,000					
			Inspection	NHPP	\$14,000					
			Inspection	Match	\$2,000					
			Inspection	STP-Flex	\$19,000					
		Total Federal Funds:				\$321,000				\$321,000
		Total:				\$375,000				\$375,000
3b1501	NYSDOT	STATE & LOCAL BRIDGE INSPECTION BY STATE FORCES								
		Air Quality Status: Exempt								
			Detailed Design	NHPP	\$216,000					
			Detailed Design	Match	\$24,000					
			Detailed Design	STP-Flex	\$216,000					
			Detailed Design	Match	\$54,000					
		Total Federal Funds:				\$432,000				\$432,000
		Total:				\$510,000				\$510,000

**2014-2018 TIP
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2014-2018 TIP										
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
3b1601	NYSDOT	STATE & LOCAL BRIDGE INSPECTIONS BY STATE FORCES Air Quality Status:	Detailed Design	NHPP		\$231,000				
			Detailed Design	Match		\$26,000				
			Detailed Design	STP-Flex		\$231,000				
			Detailed Design	Match		\$58,000				
			Total Federal Funds:			\$462,000				\$462,000
			Total:			\$546,000				\$546,000
3b1603	NYSDOT	DIVING, STATE/LOCAL BRIDGES Air Quality Status:	Detailed Design	NHPP			\$46,000			
			Detailed Design	Match			\$5,000			
			Detailed Design	STP-Flex			\$45,000			
			Detailed Design	Match			\$11,000			
			Total Federal Funds:				\$91,000			\$91,000
			Total:				\$107,000			\$107,000
3B1608	NYSDOT	REGIONAL WORKZONE TRAFFIC CONTROL CONTRACT Air Quality Status: Exempt	Construction	NHPP				\$151,000		
			Construction	Match				\$17,000		
			Construction	STP-Flex				\$151,000		
			Construction	Match				\$38,000		
			Inspection	NHPP				\$23,000		
			Inspection	Match				\$3,000		
			Inspection	STP-Flex				\$24,000		
			Inspection	Match				\$6,000		
			Total Federal Funds:					\$349,000		\$349,000
			Total:					\$413,000		\$413,000
3b1701	NYSDOT	STATE & LOCAL BRIDGE INSPECTION BY STATE FORCES Air Quality Status:	Detailed Design	NHPP			\$237,000			
			Detailed Design	Match			\$26,000			
			Detailed Design	STP-Flex			\$237,000			
			Detailed Design	Match			\$59,000			
			Total Federal Funds:				\$474,000			\$474,000
			Total:				\$559,000			\$559,000
3B1802	NYSDOT	BRIDGE INSPECTIONS BY CONSULTANTS Air Quality Status: Exempt	Detailed Design	NHPP				\$336,000		
			Detailed Design	Match				\$37,000		
			Detailed Design	STP-Flex				\$335,000		
			Detailed Design	Match				\$84,000		
			Total Federal Funds:					\$671,000		\$671,000
			Total:					\$792,000		\$792,000

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2014-2018 TIP										
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
3B1803	NYSDOT	DIVING, STATE/LOCAL BRIDGES Air Quality Status: Exempt								
			Detailed Design	NHPP					\$39,000	
			Detailed Design	Match					\$4,000	
			Detailed Design	STP-Flex					\$38,000	
			Detailed Design	Match					\$10,000	
			Total Federal Funds:						\$77,000	\$77,000
			Total:						\$91,000	\$91,000
3M1201	NYSDOT	BRIDGE CLEAN AND WASH 2012 Air Quality Status: Exempt								
			Construction	HBRR						
			Construction	Match						
			Inspection	HBRR						
			Inspection	Match						
			Total Federal Funds:							\$0
			Total:							\$0
3M1304	NYSDOT	BRIDGE JOB ORDER CONTRACT 2013 Air Quality Status:								
			Detailed Design	HBRR						
			Detailed Design	Match						
			Construction	HBRR						
			Construction	Match						
			Inspection	HBRR						
			Inspection	Match						
3M1701	NYSDOT	BRIDGE CLEAN & WASH Air Quality Status: Exempt								
			Construction	NHPP				\$400,000		
			Construction	Match				\$100,000		
			Construction	STP-Flex				\$400,000		
			Construction	Match				\$100,000		
			Inspection	NHPP				\$40,000		
			Inspection	Match				\$10,000		
3T6217	NYSDOT	PAVEMENT AND BRIDGE PRESERVATION BLOCK Air Quality Status: Exempt								
			Construction	NHPP				\$3,060,000		
			Construction	Match				\$765,000		
			Total Federal Funds:					\$3,060,000		\$3,060,000
			Total:					\$3,825,000		\$3,825,000

**2014-2018 TIP
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2014-2018 TIP										
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
3T6218	NYSDOT	PAVEMENT AND BRIDGE PRESERVATION BLOCK Air Quality Status: Exempt	Construction	NHPP					\$2,831,000	
			Construction	Match					\$708,000	
			Total Federal Funds:						\$2,831,000	\$2,831,000
			Total:						\$3,539,000	\$3,539,000
375329	OCDOT	VELASKO RD, SAFETY RECONSTRUCTION, NY 173 TO SYRACUSE, TN OF ONONDAGA, ONON CO Air Quality Status: Exempt	Construction	STP-Flex						
			Construction	Match						
			Construction	STP-Safety						
			Construction	Match						
			Inspection	STP-Flex						
			Inspection	Match						
			Inspection	STP-Safety						
			Inspection	Match						
			Total Federal Funds:							\$0
			Total:							\$0
375425	OCDOT	BUCKLEY RD BRIDGE OVER CSX RR REHAB, TN OF CLAY, ONON CO Air Quality Status: Exempt	Construction	NHPP	\$1,522,000					
			Construction	Match	\$381,000					
			Inspection	NHPP	\$268,000					
			Inspection	Match	\$67,000					
			Total Federal Funds:		\$1,790,000					\$1,790,000
			Total:		\$2,238,000					\$2,238,000
375426	OCDOT	WILLIS AVE BRIDGE OVER CSX RR Air Quality Status: Exempt	Construction	HBRR						
			Construction	Match						
			Inspection	HBRR						
			Inspection	Match						
			Total Federal Funds:							\$0
			Total:							\$0
375460	OCDOT	SOUTH BAY RD PAVING, RT 11 TO BEAR RD, TNS OF SALINA, CLAY, CICERO, ONON CO Air Quality Status: Exempt	Construction	STP-Flex	\$1,396,000					
			Construction	Match	\$349,000					
			Inspection	STP-Flex	\$168,000					
			Inspection	Match	\$42,000					
			Total Federal Funds:		\$1,564,000					\$1,564,000
			Total:		\$1,955,000					\$1,955,000

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
375461	OCDOT	ALLEN RD PAVING, TAFT TO BEAR RD, TN OF CLAY, ONON CO								
		Air Quality Status:	Exempt							
			Detailed Design	STP-Flex	\$34,000					
			Detailed Design	Match	\$8,000					
			Detailed Design	STP-Urban	\$62,000					
			Detailed Design	Match	\$16,000					
			Construction	STP-Flex		\$1,471,000				
			Construction	Match		\$368,000				
			Inspection	STP-Flex		\$107,000				
			Inspection	Match		\$27,000				
Total Federal Funds:					\$96,000	\$1,578,000				\$1,674,000
Total:					\$120,000	\$1,973,000				\$2,093,000
375465	OCDOT	NORTHERN BLVD/EAST MOLLOY SAFETY AND PAVING PROJECT, TNS OF DEWITT AND CICERO, ONON CO								
		Air Quality Status:	Exempt							
			Detailed Design	STP-Flex						
			Detailed Design	Match						
			Construction	HSIP		\$379,000				
			Construction	Match		\$95,000				
			Construction	STP-Flex		\$2,225,000				
			Construction	Match		\$556,000				
			Inspection	HSIP		\$38,000				
			Inspection	Match		\$10,000				
			Inspection	STP-Flex		\$346,000				
			Inspection	Match		\$87,000				
Total Federal Funds:						\$2,988,000				\$2,988,000
Total:						\$3,736,000				\$3,736,000
375466	OCDOT	OLD LIVERPOOL RD/ELECTRONICS PKWY SAFETY PROJECT, TN OF SALINA, ONON CO								
		Air Quality Status:	Exempt							
			Detailed Design	HSIP	\$90,000					
			Detailed Design	Match	\$10,000					
			Construction	HSIP	\$403,000					
			Construction	Match	\$101,000					
			Inspection	HSIP	\$29,000					
			Inspection	Match	\$7,000					
Total Federal Funds:					\$522,000					\$522,000
Total:					\$640,000					\$640,000
375477	OCDOT	JORDAN RD BRIDGE OVER SKANEATELES CREEK REPLACEMENT, TN OF SKANEATELES, ONON CO								
		Air Quality Status:	Exempt							
			Detailed Design	STP-Flex						
			Detailed Design	Match						
			Construction	STP-OSB	\$940,000					
			Construction	Match	\$235,000					
			Inspection	STP-OSB	\$137,000					
			Inspection	Match	\$34,000					
Total Federal Funds:					\$1,077,000					\$1,077,000
Total:					\$1,346,000					\$1,346,000

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					2014-2018 TIP						
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP	
375486	OCDOT	TRAFFIC SIGNAL UPGRADES Air Quality Status: Exempt	Construction	STP-Urban	\$640,000						
			Construction	Match	\$160,000						
			Inspection	STP-Urban	\$96,000						
			Inspection	Match	\$24,000						
			Total Federal Funds:				\$736,000				\$736,000
			Total:				\$920,000				\$920,000
375487	OCDOT	FLY RD PAVING, KIRKVILLE RD TO THRUWAY, TN OF DEWITT, ONON CO Air Quality Status: Exempt	Detailed Design	STP-Urban							
			Detailed Design	Match							
			Construction	STP-Urban	\$900,000						
			Construction	Match	\$225,000						
			Inspection	STP-Urban	\$140,000						
			Inspection	Match	\$35,000						
			Total Federal Funds:				\$1,040,000				\$1,040,000
Total:				\$1,300,000				\$1,300,000			
375516	OCDOT	BRIDGE MAINTENANCE PHASE 1, VARIOUS LOCATIONS Air Quality Status: Exempt	Scoping	HBRR							
			Scoping	Match							
			Preliminary Design	STP-Flex							
			Preliminary Design	Match							
			Detailed Design	STP-Flex	\$49,000						
			Detailed Design	Match	\$12,000						
			Construction	STP-Flex			\$767,000				
Construction	Match			\$192,000							
Inspection	STP-Flex			\$101,000							
Inspection	Match			\$25,000							
Total Federal Funds:				\$49,000		\$868,000			\$917,000		
Total:				\$61,000		\$1,085,000			\$1,146,000		
375517	OCDOT	BRIDGE MAINTENANCE PHASE 2, VARIOUS LOCATIONS Air Quality Status: Exempt	Scoping	STP-OSB		\$32,000					
			Scoping	Match		\$8,000					
			Preliminary Design	STP-OSB		\$152,000					
			Preliminary Design	Match		\$38,000					
			Detailed Design	STP-OSB			\$157,000				
			Detailed Design	Match			\$39,000				
			Construction	STP-OSB					\$1,442,000		
Construction	Match					\$361,000					
Inspection	STP-OSB					\$254,000					
Inspection	Match					\$64,000					
Total Federal Funds:					\$184,000	\$157,000		\$1,696,000	\$2,037,000		
Total:					\$230,000	\$196,000		\$2,121,000	\$2,547,000		

**2014-2018 TIP
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					2014-2018 TIP					
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375520	OCDOT	JOHN GLENN BLVD EB OVER ONONDAGA LAKE OUTLET REHABILITATION, TN OF CLAY, ONON CO								
		Air Quality Status: Exempt								
			Scoping	NHPP	\$24,000					
			Scoping	Match	\$6,000					
			Preliminary Design	NHPP	\$192,000					
			Preliminary Design	Match	\$48,000					
			Detailed Design	NHPP			\$198,000			
			Detailed Design	Match			\$50,000			
			ROW Acquisition	NHPP			\$8,000			
			ROW Acquisition	Match			\$2,000			
			Construction	NHPP				\$1,682,000		
			Construction	Match				\$421,000		
			Inspection	NHPP				\$372,000		
			Inspection	Match				\$93,000		
		Total Federal Funds:			\$216,000		\$206,000	\$2,054,000		\$2,476,000
		Total:			\$270,000		\$258,000	\$2,568,000		\$3,096,000
375521	OCDOT	JOHN GLENN WB OVER ONONDAGA LAKE OUTLET REHABILITATION, TN OF CLAY, ONON CO								
		Air Quality Status: Exempt								
			Scoping	NHPP	\$24,000					
			Scoping	Match	\$6,000					
			Preliminary Design	NHPP	\$192,000					
			Preliminary Design	Match	\$48,000					
			Detailed Design	NHPP			\$198,000			
			Detailed Design	Match			\$50,000			
			ROW Acquisition	NHPP			\$8,000			
			ROW Acquisition	Match			\$2,000			
			Construction	NHPP				\$1,682,000		
			Construction	Match				\$421,000		
			Inspection	NHPP				\$372,000		
			Inspection	Match				\$93,000		
		Total Federal Funds:			\$216,000		\$206,000	\$2,054,000		\$2,476,000
		Total:			\$270,000		\$258,000	\$2,568,000		\$3,096,000
375522	OCDOT	ORAN DELPHI RD OVER LIMESTONE CREEK BRIDGE REPLACEMENT, TN OF POMPEY, ONON CO								
		Air Quality Status: Exempt								
			Scoping	STP-OSB	\$25,000					
			Scoping	Match	\$6,000					
			Preliminary Design	STP-OSB	\$83,000					
			Preliminary Design	Match	\$21,000					
			Detailed Design	STP-OSB			\$102,000			
			Detailed Design	Match			\$26,000			
			ROW Acquisition	STP-OSB			\$9,000			
			ROW Acquisition	Match			\$2,000			
			Construction	STP-OSB				\$750,000		
			Construction	Match				\$188,000		
			Inspection	STP-OSB				\$77,000		
			Inspection	Match				\$19,000		
		Total Federal Funds:			\$108,000		\$111,000	\$827,000		\$1,046,000
		Total:			\$135,000		\$139,000	\$1,034,000		\$1,308,000

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					2014-2018 TIP					
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375523	OCDOT	OTISCO VALLEY RD/NINE MILE CREEK BRIDGE REPLACEMENT, TN OF OTISCO, ONON CO								
Air Quality Status:			Exempt							
			Scoping	STP-Flex	\$24,000					
			Scoping	Match	\$6,000					
			Preliminary Design	STP-Flex	\$114,000					
			Preliminary Design	Match	\$29,000					
			Detailed Design	STP-Flex				\$79,000		
			Detailed Design	Match				\$20,000		
			ROW Acquisition	STP-Flex				\$2,000		
			ROW Acquisition	Match				\$1,000		
			Construction	STP-Flex				\$554,000		
			Construction	Match				\$139,000		
			Inspection	STP-Flex				\$70,000		
			Inspection	Match				\$18,000		
Total Federal Funds:					\$138,000			\$705,000		\$843,000
Total:					\$173,000			\$883,000		\$1,056,000
375524	OCDOT	TULLY FARMS RD/BRANCH OF ONONDAGA CREEK BRIDGE REPLACEMENT, TN OF LAFAYETTE, ONON CO								
Air Quality Status:			Exempt							
			Scoping	STP-OSB		\$16,000				
			Scoping	Match		\$4,000				
			Preliminary Design	STP-OSB		\$110,000				
			Preliminary Design	Match		\$28,000				
			Detailed Design	STP-OSB			\$52,000			
			Detailed Design	Match			\$13,000			
			ROW Acquisition	STP-OSB			\$9,000			
			ROW Acquisition	Match			\$2,000			
			Construction	STP-OSB				\$370,000		
			Construction	Match				\$92,000		
			Inspection	STP-OSB				\$58,000		
			Inspection	Match				\$14,000		
Total Federal Funds:						\$126,000	\$61,000	\$428,000		\$615,000
Total:						\$158,000	\$76,000	\$534,000		\$768,000
375529	OCDOT	ELECTRONICS PKWY/HENRY CLAY BLVD SIGNAL INTERCONNECT, TN OF SALINA, ONON CO								
Air Quality Status:			Non-Exempt							
			Scoping	STP-Urban	\$17,000					
			Scoping	Match	\$4,000					
			Preliminary Design	STP-Urban	\$50,000					
			Preliminary Design	Match	\$12,000					
			Detailed Design	STP-Urban		\$56,000				
			Detailed Design	Match		\$14,000				
			ROW Acquisition	STP-Urban		\$5,000				
			ROW Acquisition	Match		\$1,000				
			Construction	NHPP			\$699,000			
			Construction	Match			\$175,000			
			Inspection	NHPP			\$44,000			
			Inspection	Match			\$11,000			
Total Federal Funds:					\$67,000	\$61,000	\$743,000			\$871,000
Total:					\$83,000	\$76,000	\$929,000			\$1,088,000

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					2014-2018 TIP					
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375569	OCDOT	Old Route 5/ Warners Road Paving (2R) Project								
		Air Quality Status:								
			Scoping	STP-Flex	\$10,000					
			Scoping	Match	\$3,000					
			Preliminary Design	STP-Flex	\$128,000					
			Preliminary Design	Match	\$32,000					
			Preliminary Design	STP-Urban	\$14,000					
			Preliminary Design	Match	\$4,000					
			Detailed Design	STP-Urban			\$151,000			
			Detailed Design	Match			\$38,000			
			ROW Incidentals	STP-Urban	\$6,000					
			ROW Incidentals	Match	\$2,000					
		Total Federal Funds:				\$158,000		\$151,000		\$309,000
		Total:				\$199,000		\$189,000		\$388,000
375570	OCDOT	Fremont Road Bridge over Butternut Creek								
		Air Quality Status:								
			Scoping	STP-Flex	\$9,000					
			Scoping	Match	\$2,000					
			Preliminary Design	STP-Flex	\$193,000					
			Preliminary Design	Match	\$48,000					
			Detailed Design	STP-Flex			\$205,000			
			Detailed Design	Match			\$51,000			
		Total Federal Funds:				\$202,000		\$205,000		\$407,000
		Total:				\$252,000		\$256,000		\$508,000
375571	OCDOT	Electronics Parkway Paving (2R) Project								
		Air Quality Status:								
			Scoping	NHPP	\$8,000					
			Scoping	Match	\$2,000					
			Preliminary Design	NHPP	\$197,000					
			Preliminary Design	Match	\$49,000					
			Detailed Design	NHPP			\$209,000			
			Detailed Design	Match			\$52,000			
			ROW Incidentals	NHPP	\$6,000					
			ROW Incidentals	Match	\$2,000					
			ROW Acquisition	NHPP			\$3,000			
			ROW Acquisition	Match			\$1,000			
		Total Federal Funds:				\$211,000		\$212,000		\$423,000
		Total:				\$264,000		\$265,000		\$529,000

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					2014-2018 TIP					
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375572	OCDOT	John Glenn Blvd. WB (CR 81) 1R Air Quality Status: Exempt	Scoping	NHPP	\$20,000					
			Scoping	Match	\$5,000					
			Preliminary Design	NHPP	\$126,000					
			Preliminary Design	Match	\$32,000					
			Detailed Design	NHPP			\$134,000			
			Detailed Design	Match			\$34,000			
			Construction	NHPP					\$1,498,000	
			Construction	Match					\$375,000	
			Inspection	NHPP					\$223,000	
			Inspection	Match					\$56,000	
		Total Federal Funds:			\$146,000		\$134,000		\$1,721,000	\$2,001,000
		Total:			\$183,000		\$168,000		\$2,152,000	\$2,503,000
375573	OCDOT	Morgan Road/VerPlanck Road Safety Improvement Project Air Quality Status: TBD	Scoping	HSIP	\$16,000					
			Scoping	Match	\$2,000					
			Preliminary Design	HSIP	\$40,000					
			Preliminary Design	Match	\$4,000					
			Detailed Design	HSIP			\$62,000			
			Detailed Design	Match			\$7,000			
			Construction	HSIP				\$282,000		
			Construction	Match				\$31,000		
			Inspection	HSIP				\$50,000		
			Inspection	Match				\$6,000		
		Total Federal Funds:			\$56,000		\$62,000	\$332,000		\$450,000
		Total:			\$62,000		\$69,000	\$369,000		\$500,000
375574	OCDOT	OFF SYSTEM BRIDGE PRESERVATION BLOCK Air Quality Status: Exempt	Construction	STP-OSB	\$109,000					
			Construction	Match	\$27,000					
		Total Federal Funds:			\$109,000					\$109,000
		Total:			\$136,000					\$136,000
375575	OCDOT	Off System Bridge Preservation Block Air Quality Status: Exempt	Construction	STP-OSB		\$66,000				
			Construction	Match		\$17,000				
		Total Federal Funds:				\$66,000				\$66,000
		Total:				\$83,000				\$83,000
375576	OCDOT	Off System Bridge Preservation Block Air Quality Status: Exempt	Construction	STP-OSB			\$760,000			
			Construction	Match			\$190,000			
		Total Federal Funds:					\$760,000			\$760,000
		Total:					\$950,000			\$950,000

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
375577	OCDOT	BRIDGE PAINTING, VARIOUS LOCATIONS, ONON CO								
		Air Quality Status:								
			Scoping	STP-OSB		\$4,000				
			Scoping	Match		\$1,000				
			Preliminary Design	STP-OSB		\$50,000				
			Preliminary Design	Match		\$13,000				
			Detailed Design	STP-OSB				\$53,000		
			Detailed Design	Match				\$13,000		
			Construction	STP-OSB					\$658,000	
			Construction	Match					\$165,000	
			Inspection	STP-OSB					\$67,000	
			Inspection	Match					\$17,000	
		Total Federal Funds:				\$54,000		\$53,000	\$725,000	\$832,000
		Total:				\$68,000		\$66,000	\$907,000	\$1,041,000
375578	OCDOT	BUCKLEY RD PAVING (1R) PROJECT								
		Air Quality Status:								
			Scoping	NHPP		\$7,000				
			Scoping	Match		\$2,000				
			Preliminary Design	NHPP		\$44,000				
			Preliminary Design	Match		\$11,000				
			Detailed Design	NHPP				\$46,000		
			Detailed Design	Match				\$12,000		
			ROW Incidentals	NHPP		\$2,000				
			ROW Incidentals	Match		\$1,000				
			ROW Acquisition	NHPP				\$3,000		
			ROW Acquisition	Match				\$1,000		
			Construction	NHPP					\$497,000	
			Construction	Match					\$124,000	
			Inspection	NHPP					\$75,000	
			Inspection	Match					\$19,000	
		Total Federal Funds:				\$53,000		\$49,000	\$572,000	\$674,000
		Total:				\$67,000		\$62,000	\$715,000	\$844,000
375579	OCDOT	West Taft Road Paving (2R) Project								
		Air Quality Status:								
			Scoping	NHPP	\$13,000					
			Scoping	Match	\$3,000					
			Preliminary Design	NHPP	\$220,000					
			Preliminary Design	Match	\$55,000					
			Detailed Design	NHPP			\$234,000			
			Detailed Design	Match			\$59,000			
			ROW Incidentals	NHPP	\$9,000					
			ROW Incidentals	Match	\$2,000					
			ROW Acquisition	NHPP			\$3,000			
			ROW Acquisition	Match			\$1,000			
		Total Federal Funds:			\$242,000		\$237,000			\$479,000
		Total:			\$302,000		\$297,000			\$599,000

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP								
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP			
375580	OCDOT	West Taft Road Paving (1R) Project Air Quality Status:	Scoping	NHPP		\$6,000							
			Scoping	Match		\$2,000							
			Preliminary Design	NHPP		\$87,000							
			Preliminary Design	Match		\$22,000							
			Detailed Design	NHPP				\$95,000					
			Detailed Design	Match				\$24,000					
			ROW Incidentals	NHPP		\$4,000							
			ROW Incidentals	Match		\$1,000							
			ROW Acquisition	NHPP				\$4,000					
			ROW Acquisition	Match				\$1,000					
			Construction	NHPP					\$890,000				
			Construction	Match					\$223,000				
			Inspection	NHPP					\$160,000				
			Inspection	Match					\$40,000				
			Total Federal Funds:						\$97,000		\$99,000	\$1,050,000	\$1,246,000
			Total:						\$122,000		\$124,000	\$1,313,000	\$1,559,000
375581	OCDOT	Kirkville Road Paving (1R) Project Air Quality Status:	Scoping	STP-Flex	\$25,000								
			Scoping	Match	\$6,000								
			Preliminary Design	STP-Flex	\$50,000								
			Preliminary Design	Match	\$13,000								
			Detailed Design	STP-Urban				\$79,000					
			Detailed Design	Match				\$20,000					
			Construction	STP-Urban				\$701,000					
			Construction	Match				\$175,000					
			Inspection	STP-Urban				\$105,000					
			Inspection	Match				\$26,000					
			Total Federal Funds:					\$75,000			\$885,000		\$960,000
			Total:					\$94,000			\$1,106,000		\$1,200,000

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

2014-2018 TIP										
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
375582	OCDOT	Old Route 57 Road Paving (1R) Project Air Quality Status:	Scoping	NHPP			\$7,000			
			Scoping	Match			\$2,000			
			Preliminary Design	NHPP			\$112,000			
			Preliminary Design	Match			\$28,000			
			Detailed Design	NHPP					\$119,000	
			Detailed Design	Match					\$30,000	
			ROW Incidentals	NHPP			\$4,000			
			ROW Incidentals	Match			\$1,000			
			ROW Acquisition	NHPP					\$4,000	
			ROW Acquisition	Match					\$1,000	
			Construction	NHPP					\$1,072,000	
			Construction	Match					\$268,000	
			Inspection	NHPP					\$164,000	
			Inspection	Match					\$41,000	
		Total Federal Funds:					\$123,000		\$1,359,000	\$1,482,000
		Total:					\$154,000		\$1,699,000	\$1,853,000
375583	OCDOT	Old Route 57 Road Paving (2R) Project Air Quality Status:	Scoping	NHPP		\$14,000				
			Scoping	Match		\$4,000				
			Preliminary Design	NHPP		\$250,000				
			Preliminary Design	Match		\$63,000				
			Detailed Design	NHPP				\$266,000		
			Detailed Design	Match				\$67,000		
			ROW Incidentals	NHPP		\$10,000				
			ROW Incidentals	Match		\$3,000				
			ROW Acquisition	NHPP				\$4,000		
			ROW Acquisition	Match				\$1,000		
		Total Federal Funds:				\$274,000		\$270,000		\$544,000
		Total:				\$344,000		\$338,000		\$682,000
375290	SYRACUSE	DICKERSON ST BRIDGE OVER ONONDAGA CREEK REHABILITATION, SYRACUSE, ONON CO Air Quality Status: Exempt	Construction	STP-OSB	\$776,000					
			Construction	Match	\$194,000					
			Inspection	STP-OSB	\$75,000					
			Inspection	Match	\$19,000					
		Total Federal Funds:			\$851,000					\$851,000
		Total:			\$1,064,000					\$1,064,000
375291	SYRACUSE	WEST WASHINGTON ST BRIDGE OVER ONONDAGA CREEK REHABILITATION, SYRACUSE, ONON CO Air Quality Status: Exempt	Construction	HBRR						
			Construction	Match						
			Inspection	HBRR						
			Inspection	Match						
		Total Federal Funds:								\$0
		Total:								\$0

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
375307	SYRACUSE	HIAWATHA BLVD IMP STATE FAIR BLVD TO PARK, SYRACUSE, ONON CO								
		Air Quality Status:	Exempt							
			Construction	TEA-21 Demo						
			Construction	Match						
			Inspection	TEA-21 Demo						
			Inspection	Match						
		Total Federal Funds:								\$0
		Total:								\$0
375436	SYRACUSE	SOUTH SALINA ST- VALLEY PLAZA CORRIDOR IMPROVEMENTS, SYRACUSE, ONON CO								
		Air Quality Status:	Exempt							
			Detailed Design	STP-Urban	\$187,000					
			Detailed Design	Match	\$47,000					
			Construction	STP-Urban		\$1,249,000				
			Construction	Match		\$312,000				
			Inspection	STP-Urban		\$145,000				
			Inspection	Match		\$36,000				
		Total Federal Funds:				\$187,000	\$1,394,000			\$1,581,000
		Total:				\$234,000	\$1,742,000			\$1,976,000
375442	SYRACUSE	SYRACUSE TRAFFIC SIGNAL UPGRADE								
		Air Quality Status:	Exempt							
			Construction	STP-Flex	\$314,000					
			Construction	Match	\$79,000					
			Inspection	STP-Flex	\$35,000					
			Inspection	Match	\$9,000					
		Total Federal Funds:				\$349,000				\$349,000
		Total:				\$437,000				\$437,000
375479	SYRACUSE	N, S, E, W CORRIDORS INTERCONNECT EXPANSION, SYRACUSE, ONON CO								
		Air Quality Status:	Non-Exempt							
			Detailed Design	STP-Flex		\$254,000				
			Detailed Design	Match		\$64,000				
			Detailed Design	STP-Urban		\$409,000				
			Detailed Design	Match		\$102,000				
			Construction	STP-Flex				\$3,534,000		
			Construction	Match				\$884,000		
			Inspection	STP-Urban				\$1,881,000		
			Inspection	Match				\$470,000		
		Total Federal Funds:					\$663,000		\$5,415,000	\$6,078,000
		Total:					\$829,000		\$6,769,000	\$7,598,000
375481	SYRACUSE	JAMES ST IMPROVEMENT PROJECT, TEALL AVE TO THOMPSON RD, SYRACUSE, ONON CO								
		Air Quality Status:	Exempt							
			Detailed Design	NHPP	\$161,000					
			Detailed Design	Match	\$40,000					
			Construction	NHPP		\$936,000				
			Construction	Match		\$234,000				
			Inspection	NHPP		\$136,000				
			Inspection	Match		\$34,000				
		Total Federal Funds:				\$161,000	\$1,072,000			\$1,233,000
		Total:				\$201,000	\$1,340,000			\$1,541,000

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
375482	SYRACUSE	PLUM ST BRIDGE OVER ONONDAGA CREEK REHABILITATION, SYRACUSE, ONON CO								
Air Quality Status:			Exempt							
			Detailed Design	STP-OSB	\$83,000					
			Detailed Design	Match	\$21,000					
			Construction	STP-OSB		\$299,000				
			Construction	Match		\$75,000				
			Inspection	STP-OSB		\$85,000				
			Inspection	Match		\$21,000				
Total Federal Funds:					\$83,000	\$384,000				\$467,000
Total:					\$104,000	\$480,000				\$584,000
375483	SYRACUSE	SENECA TURNPIKE CORRIDOR IMPROVEMENTS- PHASE I, HOPPER RD TO SALINA ST, SYRACUSE, ONON CO								
Air Quality Status:			Exempt							
			Detailed Design	STP-Flex	\$432,000					
			Detailed Design	Match	\$108,000					
			Construction	STP-Flex			\$2,639,000			
			Construction	Match			\$660,000			
			Inspection	STP-Flex			\$405,000			
			Inspection	Match			\$101,000			
Total Federal Funds:					\$432,000		\$3,044,000			\$3,476,000
Total:					\$540,000		\$3,805,000			\$4,345,000
375484	SYRACUSE	PARK ST BRIDGE OVER LEY CREEK REHABILITATION, SYRACUSE, ONON CO								
Air Quality Status:			Exempt							
			Detailed Design	STP-Urban	\$184,000					
			Detailed Design	Match	\$46,000					
			Construction	STP-Urban		\$742,000				
			Construction	Match		\$186,000				
			Inspection	STP-Urban		\$132,000				
			Inspection	Match		\$33,000				
Total Federal Funds:					\$184,000	\$874,000				\$1,058,000
Total:					\$230,000	\$1,093,000				\$1,323,000
375514	SYRACUSE	CREEKWALK PH. II (JEFFERSON TO COLVIN)								
Air Quality Status:			Exempt							
			Detailed Design	STP-Urban			\$425,000			
			Detailed Design	Match			\$106,000			
			ROW Incidentals	STP-Urban	\$330,000					
			ROW Incidentals	Match	\$83,000					
			ROW Acquisition	STP-Urban			\$1,753,000			
			ROW Acquisition	Match			\$438,000			
			Construction	STP-Urban					\$1,800,000	
			Construction	Match					\$450,000	
			Inspection	STP-Urban					\$200,000	
			Inspection	Match					\$50,000	
Total Federal Funds:					\$330,000		\$2,178,000		\$2,000,000	\$4,508,000
Total:					\$413,000		\$2,722,000		\$2,500,000	\$5,635,000

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
375518	SYRACUSE	EVANS ST BRIDGE OVER ONONDAGA CREEK REHABILITATION, SYRACUSE, ONON CO								
		Air Quality Status: Exempt								
		Scoping	STP-OSB	\$60,000						
		Scoping	Match	\$15,000						
		Detailed Design	STP-OSB		\$62,000					
		Detailed Design	Match		\$16,000					
		Construction	STP-OSB		\$627,000					
		Construction	Match		\$157,000					
		Inspection	STP-OSB		\$62,000					
		Inspection	Match		\$16,000					
		Total Federal Funds:			\$60,000	\$751,000				\$811,000
		Total:			\$75,000	\$940,000				\$1,015,000
375519	SYRACUSE	ELEMENT SPECIFIC CITY BRIDGES REPAIR, SYRACUSE, ONON CO								
		Air Quality Status: Exempt								
		Scoping	STP-OSB	\$71,000						
		Scoping	Match	\$18,000						
		Detailed Design	STP-OSB		\$73,000					
		Detailed Design	Match		\$18,000					
		Construction	STP-OSB		\$292,000					
		Construction	Match		\$73,000					
		Inspection	STP-OSB		\$27,000					
		Inspection	Match		\$7,000					
		Total Federal Funds:			\$71,000	\$392,000				\$463,000
		Total:			\$89,000	\$490,000				\$579,000
375525	SYRACUSE	WEST GENESEE ST BRIDGE OVER ONONDAGA CREEK ELEMENT SPECIFIC REPAIRS, SYRACUSE, ONON CO								
		Air Quality Status: Exempt								
		Scoping	NHPP	\$180,000						
		Scoping	Match	\$45,000						
		Detailed Design	NHPP		\$186,000					
		Detailed Design	Match		\$47,000					
		Construction	NHPP			\$811,000				
		Construction	Match			\$203,000				
		Inspection	NHPP			\$82,000				
		Inspection	Match			\$21,000				
		Total Federal Funds:			\$180,000	\$186,000	\$893,000			\$1,259,000
		Total:			\$225,000	\$233,000	\$1,117,000			\$1,575,000

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

2014-2018 TIP										
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
375526	SYRACUSE	UHILL BIKE NETWORK IMPLEMENTATION, SYRACUSE, ONON CO Air Quality Status: Exempt								
			Scoping	STP-Flex						
			Scoping	Match						
			Preliminary Design	STP-Flex						
			Preliminary Design	Match						
			Detailed Design	STP-Urban	\$77,000					
			Detailed Design	Match	\$19,000					
			Construction	STP-Flex			\$397,000			
			Construction	Match			\$99,000			
			Construction	STP-Urban			\$397,000			
			Construction	Match			\$99,000			
			Inspection	STP-Urban			\$88,000			
			Inspection	Match			\$22,000			
		Total Federal Funds:				\$77,000	\$882,000			\$959,000
		Total:				\$96,000	\$1,102,000			\$1,198,000
375530	SYRACUSE	BRIDGE BLOCK, CITY OF SYRACUSE Air Quality Status: Exempt								
			Other	HBRR						
			Other	Match						
		Total Federal Funds:								\$0
		Total:								\$0
375559	SYRACUSE	E. GENESEE ST CONNECTIVE CORRIDOR TO SU PHASE 2 & 3 Air Quality Status: Exempt								
			Construction	Misc Federal Aid						
			Construction	Match						
			Inspection	Misc Federal Aid						
			Inspection	Match						
		Total Federal Funds:								\$0
		Total:								\$0
375563	SYRACUSE	City of Syracuse SRTS Neighborhood Greenway Air Quality Status: Exempt								
			Preliminary Design	SRTS						
			Construction	SRTS		\$251,000				
			Inspection	SRTS		\$23,000				
			Other	SRTS						
		Total Federal Funds:				\$274,000				\$274,000
		Total:				\$274,000				\$274,000
375585	SYRACUSE	SYRACUSE PRINCIPAL ARTERIAL MILL & PAVE, VARIOUS STREETS Air Quality Status: Exempt								
			Construction	NHPP	\$3,926,000					
			Construction	Match	\$982,000					
			Inspection	NHPP	\$393,000					
			Inspection	Match	\$98,000					
		Total Federal Funds:				\$4,319,000				\$4,319,000
		Total:				\$5,399,000				\$5,399,000

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
375586	SYRACUSE	TEALL AVENUE PAVEMENT RESURFACING PROJECT								
Air Quality Status:										
			Scoping	NHPP	\$12,000					
			Scoping	Match	\$3,000					
			Preliminary Design	NHPP	\$25,000					
			Preliminary Design	Match	\$6,000					
			Detailed Design	NHPP		\$60,000				
			Detailed Design	Match		\$15,000				
			Construction	NHPP		\$657,000				
			Construction	Match		\$164,000				
			Inspection	NHPP		\$99,000				
			Inspection	Match		\$25,000				
Total Federal Funds:					\$37,000	\$816,000				\$853,000
Total:					\$46,000	\$1,020,000				\$1,066,000
375587	SYRACUSE	CITY OF SYRACUSE PAVEMENT & BRIDGE PRESERVATION BLOCK								
Air Quality Status:										
			Construction	STP-Flex					\$4,261,000	
			Construction	Match					\$1,065,000	
			Construction	STP-Urban					\$615,000	
			Construction	Match					\$154,000	
Total Federal Funds:									\$4,876,000	\$4,876,000
Total:									\$6,095,000	\$6,095,000
375854	SYRACUSE	HIAWATHA BOULEVARD BRIDGE SIDEWALK IMPROVEMENT PROJECT								
Air Quality Status:										
			Scoping	STP-Urban				\$8,000		
			Scoping	Match				\$2,000		
			Preliminary Design	STP-Flex				\$102,000		
			Preliminary Design	Match				\$26,000		
			Detailed Design	STP-Urban					\$105,000	
			Detailed Design	Match					\$26,000	
			Other	STP-Urban				\$41,000		
			Other	Match				\$10,000		
Total Federal Funds:								\$151,000	\$105,000	\$256,000
Total:								\$189,000	\$131,000	\$320,000
375447	Syracuse University	DESIGN AND CONSTRUCTION FOR A SYRACUSE UNIVERSITY PRIVATE PARKING AND TRANSPORTATION FACILITY								
Air Quality Status:			Exempt							
			Construction	SAFETEA-LU Earmark						
			Construction	Match						
			Inspection	SAFETEA-LU Earmark						
			Inspection	Match						
Total Federal Funds:										\$0
Total:										\$0

**2014-2018 TIP
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING**

					2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
375471	Town of Cicero	EAST CIRCLE DR OVER DARLENE'S CREEK REPLACEMENT, TN OF CICERO, ONON CO								
		Air Quality Status: Exempt								
		Construction	STP-Flex							
		Construction	Match							
		Inspection	STP-Flex							
		Inspection	Match							
		Total Federal Funds:								\$0
		Total:								\$0
375495	Town of Cicero	REVITALIZATION AND REDEVELOPMENT OF THE HAMLET OF BREWERTON								
		Air Quality Status: Exempt								
		Construction	Misc Federal Aid	\$638,000						
		Construction	Match	\$159,000						
		Inspection	Misc Federal Aid	\$57,000						
		Inspection	Match	\$14,000						
		Total Federal Funds:				\$695,000				\$695,000
		Total:				\$868,000				\$868,000
	Grand Total Federal Funds by FFY				\$39,248,000	\$29,163,000	\$37,314,000	\$38,876,000	\$36,923,000	\$181,524,000
	Grand Totals by FFY				\$47,178,000	\$34,706,000	\$45,479,000	\$45,839,000	\$43,965,000	\$217,167,000

FEDERAL TRANSIT ADMINISTRATION

PROJECT LISTING

**2014-2018 TIP
FEDERAL TRANSIT ADMINISTRATION - PROJECT LISTING**

				For informational purposes only	2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Funding Source:	FFY 12/13:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
382218	CNYRTA	FARE COLLECTION SYSTEM REPLACEMENT								
		Section 5307		\$2,400,000						
		Match		\$600,000						
		Total Federal Funds:		\$2,400,000						\$0
		Total:		\$3,000,000						\$0
382243	CNYRTA	BUS STOP SIGNS AND POLES								
		Sect 5339					\$16,000	\$16,000	\$16,000	
		Match					\$4,000	\$4,000	\$4,000	
		Section 5307		\$24,000	\$24,000	\$24,000	\$16,000	\$16,000	\$16,000	
		Match		\$6,000	\$6,000	\$6,000	\$4,000	\$4,000	\$4,000	
		Total Federal Funds:		\$24,000	\$24,000	\$24,000	\$32,000	\$32,000	\$32,000	\$144,000
		Total:		\$30,000	\$30,000	\$30,000	\$40,000	\$40,000	\$40,000	\$180,000
382244	CNYRTA	ENGINEERING SERVICES								
		Section 5307		\$160,000		\$160,000		\$160,000		
		Match		\$40,000		\$40,000		\$40,000		
		Total Federal Funds:		\$160,000		\$160,000		\$160,000		\$320,000
		Total:		\$200,000		\$200,000		\$200,000		\$400,000
382245	CNYRTA	SUPERVISORY VEHICLE REPLACEMENT								
		Sect 5339					\$25,200	\$44,000	\$17,600	
		Match					\$6,300	\$11,000	\$4,400	
		Section 5307		\$84,000	\$33,600	\$33,600	\$25,200	\$44,000	\$17,600	
		Match		\$21,000	\$8,400	\$8,400	\$6,300	\$11,000	\$4,400	
		Total Federal Funds:		\$84,000	\$33,600	\$33,600	\$50,400	\$88,000	\$35,200	\$240,800
		Total:		\$105,000	\$42,000	\$42,000	\$63,000	\$110,000	\$44,000	\$301,000
382254	CNYRTA	OPERATING SOFTWARE UPGRADES								
		Sect 5339					\$34,000			
		Match					\$8,500			
		Section 5307		\$68,000			\$34,000			
		Match		\$17,000			\$8,500			
		Total Federal Funds:		\$68,000			\$68,000			\$68,000
382257	CNYRTA	PREVENTIVE MAINTENANCE								
		Section 5307		\$4,586,928	\$4,724,534	\$4,866,270	\$5,012,258	\$5,162,626	\$5,317,505	
		Match		\$1,146,732	\$1,181,134	\$1,216,568	\$1,253,065	\$1,290,657	\$1,329,376	
		Total Federal Funds:		\$4,586,928	\$4,724,534	\$4,866,270	\$5,012,258	\$5,162,626	\$5,317,505	\$25,083,193
		Total:		\$5,733,660	\$5,905,668	\$6,082,838	\$6,265,323	\$6,453,283	\$6,646,881	\$31,353,993

**2014-2018 TIP
FEDERAL TRANSIT ADMINISTRATION - PROJECT LISTING**

			For informational purposes only	2014-2018 TIP						
PIN:	Sponsor:	Project Description:	Funding Source:	FFY 12/13:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
382258	CNYRTA	REPLACE 9 CALL-A-BUS VEHICLES								
		Sect 5339							\$626,400	
		Match							\$156,600	
		Section 5307			\$1,166,400				\$626,400	
		Match			\$291,600				\$156,600	
		Total Federal Funds:				\$1,166,400			\$1,252,800	\$2,419,200
		Total:				\$1,458,000			\$1,566,000	\$3,024,000
382259	CNYRTA	REPLACE 7 OVER THE ROAD COACHES (MCIs)								
		Section 5307			\$3,108,000					
		Match			\$777,000					
		Total Federal Funds:				\$3,108,000				\$3,108,000
		Total:				\$3,885,000				\$3,885,000
382261	CNYRTA	COMPUTER AND NETWORK EQUIPMENT UPGRADES								
		Sect 5339						\$100,000	\$40,000	
		Match						\$25,000	\$10,000	
		Section 5307	\$200,000	\$80,000			\$100,000	\$40,000		
		Match	\$50,000	\$20,000			\$25,000	\$10,000		
		Total Federal Funds:		\$200,000	\$80,000			\$200,000	\$80,000	\$360,000
		Total:		\$250,000	\$100,000			\$250,000	\$100,000	\$450,000
382267	CNYRTA	REPLACE SERVICE VEHICLES								
		Sect 5339							\$96,000	
		Match							\$24,000	
		Section 5307		\$168,000					\$96,000	
		Match		\$42,000					\$24,000	
		Total Federal Funds:			\$168,000				\$192,000	\$360,000
		Total:			\$210,000				\$240,000	\$450,000
382274	CNYRTA	TREMCO ROOF REPLACEMENT								
		Section 5307			\$720,000					
		Match			\$180,000					
		Total Federal Funds:				\$720,000				\$720,000
Total:				\$900,000				\$900,000		

**2014-2018 TIP
FEDERAL TRANSIT ADMINISTRATION - PROJECT LISTING**

				For informational purposes only	2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Funding Source:	FFY 12/13:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
382299	CNYRTA	BUS SHELTERS								
			Sect 5339					\$40,000		
			Match					\$10,000		
			Section 5307	\$80,000		\$80,000		\$40,000		
			Match	\$20,000		\$20,000		\$10,000		
			Total Federal Funds:	\$80,000		\$80,000		\$80,000		\$160,000
			Total:	\$100,000		\$100,000		\$100,000		\$200,000
382301	CNYRTA	RADIO SYSTEM REPLACEMENT								
			Section 5309	\$4,095,000						
			Match	\$1,023,750						
			Total Federal Funds:	\$4,095,000						\$0
			Total:	\$5,118,750						\$0
382410	CNYRTA	REPLACE 4 PARATRANSIT VEHICLES								
			Sect 5339					\$280,000		
			Match					\$70,000		
			Section 5307					\$280,000		
			Match					\$70,000		
			Total Federal Funds:					\$560,000		\$560,000
			Total:					\$700,000		\$700,000
382411	CNYRTA	REPLACE 10 30' TRANSIT VEHICLES								
			Section 5307				\$3,800,000			
			Match				\$950,000			
			Total Federal Funds:				\$3,800,000			\$3,800,000
			Total:				\$4,750,000			\$4,750,000
382412	CNYRTA	REPLACE 10 40' TRANSIT BUSES								
			Sect 5339					\$1,900,000		
			Match					\$475,000		
			Section 5307					\$1,900,000		
			Match					\$475,000		
			Total Federal Funds:					\$3,800,000		\$3,800,000
			Total:					\$4,750,000		\$4,750,000
382413	CNYRTA	CNYRTA CNG FUELING STATION ROOF REPLACEMENT								
			Section 5307			\$180,000				
			Match			\$45,000				
			Total Federal Funds:			\$180,000				\$180,000
			Total:			\$225,000				\$225,000

**2014-2018 TIP
FEDERAL TRANSIT ADMINISTRATION - PROJECT LISTING**

				For informational purposes only	2014-2018 TIP					
PIN:	Sponsor:	Project Description:	Funding Source:	FFY 12/13:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:	5-Year TIP
382414	CNYRTA	RTC ROOF REPLACEMENT	Section 5307			\$280,000				
			Match			\$70,000				
			Total Federal Funds:				\$280,000			
		Total:				\$350,000				\$350,000
		382415	CNYRTA	TOW TRUCK REPLACEMENT	Section 5307			\$380,000		
Match						\$95,000				
Total Federal Funds:							\$380,000			
Total:						\$475,000				\$475,000
	Grand Totals by FFY			\$14,622,410	\$6,287,668	\$13,747,838	\$11,203,323	\$12,603,283	\$8,636,881	\$52,478,993

FEDERAL HIGHWAY ADMINISTRATION

PROJECT LISTING BY FUND SOURCE

**2014-2018 TIP Update
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING
BY FUND SOURCE**

					2014-2018 TIP				
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:
307619	NYSDOT	RT 5, INTERSECTION IMPROVEMENT, RT 5 AT HAMILTON RD TO ELBRIDGE, ONON CO	Construction	HSIP	\$373,000				
			Inspection	HSIP	\$33,000				
307621	NYSDOT	RT 5, VILLAGE OF ELBRIDGE, ONON CO	Scoping	HSIP		\$144,000			
			Detailed Design	HSIP				\$153,000	
			Construction	HSIP					\$1,090,000
			Inspection	HSIP					\$109,000
328717	NYSDOT	ONONDAGA LAKE PARKWAY CORRIDOR PAVEMENT RESURFACING, SR 370, TN OF SALINA, ONON CO	Construction	HSIP			\$1,132,000		
			Inspection	HSIP			\$169,000		
328721	NYSDOT	RT 370 AT JOHN GLENN BOULEVARD, TN OF SALINA, ONON CO	Scoping	HSIP		\$107,000			
			Detailed Design	HSIP		\$107,000			
			Construction	HSIP				\$763,000	
			Inspection	HSIP				\$76,000	
375465	OCDOT	NORTHERN BLVD/EAST MOLLOY SAFETY AND PAVING PROJECT, TNS OF DEWITT AND CICERO, ONON CO	Construction	HSIP		\$379,000			
			Inspection	HSIP		\$38,000			
375466	OCDOT	OLD LIVERPOOL RD/ELECTRONICS PKWY SAFETY PROJECT, TN OF SALINA, ONON CO	Detailed Design	HSIP	\$90,000				
			Construction	HSIP	\$403,000				
			Inspection	HSIP	\$29,000				
375573	OCDOT	Morgan Road/VerPlanck Road Safety Improvement Project	Scoping	HSIP	\$16,000				
			Preliminary Design	HSIP	\$40,000				
			Detailed Design	HSIP			\$62,000		
			Construction	HSIP				\$282,000	
			Inspection	HSIP				\$50,000	
Total by FFY:					\$984,000	\$775,000	\$1,363,000	\$1,324,000	\$1,199,000
Total of 2014-2018 TIP							\$5,645,000		

2014-2018 TIP Update
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING
BY FUND SOURCE

					2014-2018 TIP				
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:
305621	NYSDOT	RT 481 BRIDGE OVER BONSTEAD RD REHABILITATION, TN OF CLAY, ONON CO	Construction	Match					
			Inspection	Match					
305622	NYSDOT	I481: I690 TO I81 RESURFACING, TNS OF DEWITT & ONONDAGA, ONON CO	Construction	Match					
			Inspection	Match					
305623	NYSDOT	SIGN REPLACEMENT CONTRACT ON RT 481, I81 TO OSWEGO CO LINE	Detailed Design	Match	\$6,000				
			Construction	Match	\$60,000				
			Inspection	Match	\$6,000				
305624	NYSDOT	CLEAND AND PAINT RT 481 OVER BONSTEAD RD, TN OF CLAY, ONO CO	Construction	Match	\$311,000				
			Inspection	Match	\$31,000				
307617	NYSDOT	RT 5 RAMPS TO RT 695 OVER RT 297 & CSX RR, ONON CO	Scoping	Match					
			Detailed Design	Match	\$18,000				
			Construction	Match		\$124,000			
			Inspection	Match		\$13,000			
307619	NYSDOT	RT 5, INTERSECTION IMPROVEMENT, RT 5 AT HAMILTON RD TO ELBRIDGE, ONON CO	Detailed Design	Match					
			Construction	Match	\$93,000				
			Inspection	Match	\$8,000				
307621	NYSDOT	RT 5, VILLAGE OF ELBRIDGE, ONON CO	Scoping	Match		\$16,000			
			Detailed Design	Match				\$17,000	
			Construction	Match					\$121,000
			Inspection	Match					\$12,000
310421	NYSDOT	RT 635 BRIDGE OVER I690 REHABILITATION, SYRACUSE, ONON CO	Scoping	Match	\$29,000				
			Detailed Design	Match		\$49,000			
			Construction	Match			\$478,000		
			Inspection	Match			\$48,000		
328717	NYSDOT	ONONDAGA LAKE PARKWAY CORRIDOR PAVEMENT RESURFACING, SR 370, TN OF SALINA, ONON CO	Preliminary Design	Match	\$180,000				
			Detailed Design	Match		\$50,000			
			Construction	Match			\$283,000		
			Construction	Match			\$458,000		
			Inspection	Match			\$42,000		
			Inspection	Match			\$69,000		
			Other	Match			\$11,000		
328720	NYSDOT	RT 370 BRIDGE OVER SENECA RIVER REHABILITATION, TN OF LYSANDER, ONO CO	Detailed Design	Match					
			Construction	Match					
			Inspection	Match					

2014-2018 TIP Update
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING
BY FUND SOURCE

					2014-2018 TIP				
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:
328721	NYSDOT	RT 370 AT JOHN GLENN BOULEVARD, TN OF SALINA, ONON CO	Scoping	Match		\$12,000			
			Detailed Design	Match		\$12,000			
			Construction	Match				\$85,000	
			Inspection	Match				\$8,000	
350156	NYSDOT	I81 BRIDGES OVER RT 80 REPLACEMENT, TN OF TULLY, ONO CO	ROW Acquisition	Match					
			Construction	Match		\$604,000			
			Inspection	Match		\$43,000			
350163	NYSDOT	I81 BRIDGES OVER ONEIDA LAKE/BARGE CANAL REHABILITATION, TN OF HASTINGS, OSW CO	Detailed Design	Match	\$100,000				
			Construction	Match	\$1,000,000				
			Inspection	Match	\$100,000				
350164	NYSDOT	I81 OVER I90 BRIDGE REHABILITATION, TN OF SALINA, ONON CO	Scoping	Match					
			Detailed Design	Match					
			Construction	Match		\$396,000			
			Inspection	Match		\$40,000			
350165	NYSDOT	ELEMENT SPECIFIC BRIDGE REHAB I-81 OVER RT 11, TN OF SALINA, ONON CO	Scoping	Match	\$21,000				
			Detailed Design	Match		\$33,000			
			Construction	Match			\$409,000		
			Inspection	Match			\$41,000		
350167	NYSDOT	TAFT RD ELEMENT SPECIFIC BRIDGE REPAIRS OVER I81, TN OF CICERO, ONON CO	Detailed Design	Match				\$67,000	
			Construction	Match					\$658,000
			Inspection	Match					\$66,000
350170	NYSDOT	I81 RESURFACE, CENTRAL SQ TO 1 MILE N OF TINKER TAVERN RD, OSW CO.	Detailed Design	Match					
			Construction	Match					
			Inspection	Match					
350172	NYSDOT	SIGN REPLACEMENT CONTRACT ON I81, CORTLAND CO LINE TO I481	Detailed Design	Match	\$5,000				
			Construction	Match	\$47,000				
			Inspection	Match	\$5,000				
350175	NYSDOT	I-81 MBC, LAFAYETTE TO RT 173, TN OF ONONDAGA	Scoping	Match				\$29,000	
			Detailed Design	Match				\$19,000	
			Construction	Match					\$483,000
			Inspection	Match					\$48,000
350639	NYSDOT	RT 690 BRIDGES OVER BARGE CANAL AND RT 31 REHABILITATION, TN OF LYSANDER, ONON CO	Detailed Design	Match					
			Detailed Design	Match					
			Construction	Match					
			Construction	Match					
			Inspection	Match					
			Inspection	Match					

**2014-2018 TIP Update
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING
BY FUND SOURCE**

					2014-2018 TIP				
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:
350640	NYSDOT	BRIDGE REHAB OF I-690 OVER TEALL AVE, SYRACUSE, ONON CO	Scoping	Match	\$6,000				
			Detailed Design	Match		\$23,000			
			Construction	Match					\$244,000
			Inspection	Match					\$24,000
350641	NYSDOT	I690 BRIDGE OVER BEECH ST REHABILITATION, SYRACUSE, ONON CO	Scoping	Match	\$90,000				
			Detailed Design	Match		\$139,000			
			Construction	Match				\$1,609,000	
			Inspection	Match				\$161,000	
350643	NYSDOT	I690 OVER CSX RAILROAD ELEMENT SPECIFIC BRIDGE WORK, TN OF GEDDES, ONON CO	Scoping	Match				\$7,000	
			Detailed Design	Match					\$4,000
			Construction	Match					\$189,000
			Inspection	Match					\$19,000
350644	NYSDOT	ELEMENT SPECIFIC BRIDGE REHAB - I690 OVER BRIDGE ST, TN OF DEWITT, ONON CO	Construction	Match					\$414,000
			Inspection	Match					\$41,000
360189	NYSDOT	I81 MBC, RT 31 SOUTH OF RT 49, TNS OF CICERO, HASTINGS, WEST MONROE, ONON & OSW CO	Scoping	Match		\$4,000			
			Detailed Design	Match		\$5,000			
			Construction	Match			\$406,000		
			Inspection	Match			\$41,000		
360274	NYSDOT	RT 31 MBC, VILLAGE OF BALDWINVILLE, ONON CO	Scoping	Match	\$6,000				
			Detailed Design	Match		\$13,000			
			Construction	Match		\$192,000			
			Inspection	Match		\$19,000			
360275	NYSDOT	RT 31 MBC, RT 481 TO BELGIUM BRIDGE, TN OF CLAY, ONON CO	Scoping	Match	\$21,000				
			Detailed Design	Match		\$32,000			
			Construction	Match		\$386,000			
			Inspection	Match		\$39,000			
360277	NYSDOT	RT 5 MBC, HALFWAY RD TO RT 174, TNS OF CAMILLUS & ELBRIDGE, ONO CO	Scoping	Match		\$44,000			
			Detailed Design	Match		\$44,000			
			Construction	Match			\$900,000		
			Inspection	Match			\$90,000		
360281	NYSDOT	RT 5 MBC, HAMILTON RD TO HALFWAY RD, TN OF ELBRIDGE, ONON CO	Scoping	Match		\$13,000			
			Detailed Design	Match			\$23,000		
			Construction	Match			\$362,000		
			Inspection	Match			\$36,000		

2014-2018 TIP Update
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING
BY FUND SOURCE

					2014-2018 TIP				
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:
360283	NYSDOT	RT 5 MBC, COUNTY LINE TO HAMILTON RD, TN OF ELBRIDGE, ONON CO	Scoping	Match			\$6,000		
			Detailed Design	Match				\$11,000	
			Construction	Match				\$186,000	
			Inspection	Match				\$19,000	
360285	NYSDOT	RT 20, MBC, RT 175 TO RT 80, TNS OF ONONDAGA, MARCELLUS, SKANEATELES	Scoping	Match		\$43,000			
			Detailed Design	Match			\$66,000		
			Construction	Match			\$988,000		
			Inspection	Match			\$99,000		
360308	NYSDOT	RT 11 MBC, I81 TO SYRACUSE CITY LINE, TN OF ONONDAGA	Scoping	Match			\$5,000		
			Detailed Design	Match			\$4,000		
			Construction	Match				\$59,000	
			Inspection	Match				\$6,000	
360309	NYSDOT	RT 31 MBC, RT 11 TO THOMPSON RD, TN OF CICERO	Scoping	Match			\$8,000		
			Detailed Design	Match			\$5,000		
			Construction	Match				\$85,000	
			Inspection	Match				\$9,000	
360310	NYSDOT	RT 5 MBC, THOMPSON RD TO RT 92, TN OF DEWITT	Scoping	Match				\$19,000	
			Detailed Design	Match				\$13,000	
			Construction	Match					\$215,000
			Inspection	Match					\$22,000
375376	NYSDOT	NORTH BURDICK ST OVER ERIE CANAL BRIDGE REPLACEMENT, TN OF MANLIUS, ONON CO	ROW Acquisition	Match					
			Construction	Match	\$500,000				
			Inspection	Match	\$50,000				
380555	NYSDOT	OVERHEAD SIGN STRUCTURES AND PANEL REPAIR/REPLACE	Construction	Match				\$175,000	
			Inspection	Match				\$17,000	
380567	NYSDOT	OVERHEAD SIGN STRUCTURE & PANEL REPAIR/REPLACE CONTRACT	Scoping	Match				\$18,000	
			Detailed Design	Match				\$7,000	
			Construction	Match					\$100,000
			Inspection	Match					\$10,000
380622	NYSDOT	BRIDGE PAINTING 2014, VARIOUS LOCATIONS	Detailed Design	Match					
			Construction	Match					
			Inspection	Match					
380641	NYSDOT	REPAIR AND REPLACEMENT OF BRIDGE NAVIGATION LIGHTS, ONON CO	Construction	Match					
			Inspection	Match					
380649	NYSDOT	REGION WIDE BRIDGE JOINT REPAIR CONTRACT	Construction	Match					
			Inspection	Match					

**2014-2018 TIP Update
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING
BY FUND SOURCE**

					2014-2018 TIP				
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:
380650	NYSDOT	REGIONAL DECK TREATMENT CONTRACT	Detailed Design	Match					
			Construction	Match	\$133,000				
			Inspection	Match	\$13,000				
380651	NYSDOT	BRIDGE JOINT REPAIR CONTRACT	Construction	Match					
			Inspection	Match					
380653	NYSDOT	BRIDGE JOINT REPAIR CONTRACT	Scoping	Match					
			Detailed Design	Match	\$1,000				
			Detailed Design	Match	\$1,000				
			Construction	Match	\$9,000				
			Construction	Match	\$10,000				
			Inspection	Match	\$1,000				
			Inspection	Match	\$1,000				
380660	NYSDOT	BRIDGE PAINTING CONTRACT	Scoping	Match		\$2,000			
			Detailed Design	Match		\$2,000			
			Construction	Match			\$79,000		
			Inspection	Match			\$8,000		
380674	NYSDOT	REGIONAL ITS MAINTENANCE PROJECT	Detailed Design	Match					
			Construction	Match	\$233,000				
			Inspection	Match	\$23,000				
380676	NYSDOT	CENTERLINE AUDIBLE ROADWAY DELINEATORS (CARDS) PROJECT, ONON CO	Detailed Design	Match					
			Construction	Match					
			Inspection	Match					
380692	NYSDOT	REGIONAL OVERHEAD SIGN STRUCTURE AND PANEL REPAIR/REPLACE	Detailed Design	Match					
			Detailed Design	Match					
			Construction	Match					
			Construction	Match					
			Inspection	Match					
			Inspection	Match					
380693	NYSDOT	REGIONAL OVERHEAD SIGN STRUCTURE & PANEL REPAIR/REPLACE	Scoping	Match					
			Scoping	Match					
			Detailed Design	Match					
			Detailed Design	Match	\$2,000				
			Detailed Design	Match	\$1,000				
			Construction	Match	\$17,000				
			Construction	Match	\$7,000				
			Inspection	Match	\$2,000				
			Inspection	Match	\$1,000				
380703	NYSDOT	TMC/ITS OPERATIONS AND MAINTENANCE	Other	Match	\$280,000				

**2014-2018 TIP Update
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING
BY FUND SOURCE**

					2014-2018 TIP				
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:
380704	NYSDOT	TMC/ITS OPERATIONS AND MAINTENANCE	Other	Match			\$297,000		
393274	NYSDOT	GRADE XING IMPROVEMENT, NYS&W, SYRACUSE, RT 80, TN OF FABIUS, ONON CO	Construction	Match					
393275	NYSDOT	GRADE XING IMP PROG NYS&W RT 11, TN OF TULLY, ONON CO	Construction	Match					
393276	NYSDOT	GRADE XING IMP PROG, FGLK, AUBURN SEC SOLVAY, ONON CO	Preliminary Design	Match	\$2,000				
			Construction	Match		\$56,000			
3B1401	NYSDOT	STATE & LOCAL BRIDGE INSPECTION BY STATE FORCES	Other	Match					
3B1402	NYSDOT	BRIDGE INSPECTION BY CONSULTANTS 13 & 14	Detailed Design	Match	\$51,000				
			Detailed Design	Match	\$115,000				
3B1403	NYSDOT	DIVING, STATE/LOCAL BRIDGES 14 & 15	Detailed Design	Match	\$4,000				
			Detailed Design	Match	\$8,000				
3B1406	NYSDOT	MP & T 13 & 14	Construction	Match	\$16,000				
			Construction	Match	\$36,000				
			Inspection	Match	\$2,000				
3b1501	NYSDOT	STATE & LOCAL BRIDGE INSPECTION BY STATE FORCES	Detailed Design	Match	\$24,000				
			Detailed Design	Match	\$54,000				
3b1601	NYSDOT	STATE & LOCAL BRIDGE INSPECTIONS BY STATE FORCES	Detailed Design	Match		\$26,000			
			Detailed Design	Match		\$58,000			
3b1603	NYSDOT	DIVING, STATE/LOCAL BRIDGES	Detailed Design	Match			\$5,000		
			Detailed Design	Match			\$11,000		
3B1608	NYSDOT	REGIONAL WORKZONE TRAFFIC CONTROL CONTRACT	Construction	Match				\$17,000	
			Construction	Match				\$38,000	
			Inspection	Match				\$3,000	
			Inspection	Match				\$6,000	
3b1701	NYSDOT	STATE & LOCAL BRIDGE INSPECTION BY STATE FORCES	Detailed Design	Match			\$26,000		
			Detailed Design	Match			\$59,000		
3B1802	NYSDOT	BRIDGE INSPECTIONS BY CONSULTANTS	Detailed Design	Match					\$37,000
			Detailed Design	Match					\$84,000
3B1803	NYSDOT	DIVING, STATE/LOCAL BRIDGES	Detailed Design	Match					\$4,000
			Detailed Design	Match					\$10,000

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3M1201	NYSDOT	BRIDGE CLEAN AND WASH 2012	Construction	Match					
			Inspection	Match					
3M1304	NYSDOT	BRIDGE JOB ORDER CONTRACT 2013	Detailed Design	Match					
			Construction	Match					
			Inspection	Match					
3M1701	NYSDOT	BRIDGE CLEAN & WASH	Construction	Match				\$100,000	
			Construction	Match				\$100,000	
			Inspection	Match				\$10,000	
			Inspection	Match				\$10,000	
3T6217	NYSDOT	PAVEMENT AND BRIDGE PRESERVATION BLOCK	Construction	Match				\$765,000	
3T6218	NYSDOT	PAVEMENT AND BRIDGE PRESERVATION BLOCK	Construction	Match					\$708,000
375329	OCDOT	VELASKO RD, SAFETY RECONSTRUCTION, NY 173 TO SYRACUSE, TN OF ONONDAGA, ONON CO	Construction	Match					
			Construction	Match					
			Inspection	Match					
			Inspection	Match					
375425	OCDOT	BUCKLEY RD BRIDGE OVER CSX RR REHAB, TN OF CLAY, ONON CO	Construction	Match	\$381,000				
			Inspection	Match	\$67,000				
375426	OCDOT	WILLIS AVE BRIDGE OVER CSX RR	Construction	Match					
			Inspection	Match					
375460	OCDOT	SOUTH BAY RD PAVING, RT 11 TO BEAR RD, TNS OF SALINA, CLAY, CICERO, ONON CO	Construction	Match	\$349,000				
			Inspection	Match	\$42,000				
375461	OCDOT	ALLEN RD PAVING, TAFT TO BEAR RD, TN OF CLAY, ONON CO	Detailed Design	Match	\$8,000				
			Detailed Design	Match	\$16,000				
			Construction	Match		\$368,000			
			Inspection	Match		\$27,000			
375465	OCDOT	NORTHERN BLVD/EAST MOLLOY SAFETY AND PAVING PROJECT, TNS OF DEWITT AND CICERO, ONON CO	Detailed Design	Match					
			Construction	Match		\$95,000			
			Construction	Match		\$556,000			
			Inspection	Match		\$10,000			
			Inspection	Match		\$87,000			
375466	OCDOT	OLD LIVERPOOL RD/ELECTRONICS PKWY SAFETY PROJECT, TN OF SALINA, ONON CO	Detailed Design	Match	\$10,000				
			Construction	Match	\$101,000				
			Inspection	Match	\$7,000				

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375477	OCDOT	JORDAN RD BRIDGE OVER SKANEATELES CREEK REPLACEMENT, TN OF SKANEATELES, ONON CO	Detailed Design	Match					
			Construction	Match	\$235,000				
			Inspection	Match	\$34,000				
375486	OCDOT	TRAFFIC SIGNAL UPGRADES	Construction	Match	\$160,000				
			Inspection	Match	\$24,000				
375487	OCDOT	FLY RD PAVING, KIRKVILLE RD TO THRUWAY, TN OF DEWITT, ONON CO	Detailed Design	Match					
			Construction	Match	\$225,000				
			Inspection	Match	\$35,000				
375516	OCDOT	BRIDGE MAINTENANCE PHASE 1, VARIOUS LOCATIONS	Scoping	Match					
			Preliminary Design	Match					
			Detailed Design	Match	\$12,000				
			Construction	Match			\$192,000		
			Inspection	Match			\$25,000		
375517	OCDOT	BRIDGE MAINTENANCE PHASE 2, VARIOUS LOCATIONS	Scoping	Match		\$8,000			
			Preliminary Design	Match		\$38,000			
			Detailed Design	Match			\$39,000		
			Construction	Match					\$361,000
			Inspection	Match					\$64,000
375520	OCDOT	JOHN GLENN BLVD EB OVER ONONDAGA LAKE OUTLET REHABILITATION, TN OF CLAY, ONON CO	Scoping	Match	\$6,000				
			Preliminary Design	Match	\$48,000				
			Detailed Design	Match			\$50,000		
			ROW Acquisition	Match			\$2,000		
			Construction	Match				\$421,000	
			Inspection	Match				\$93,000	
375521	OCDOT	JOHN GLENN WB OVER ONONDAGA LAKE OUTLET REHABILITATION, TN OF CLAY, ONON CO	Scoping	Match	\$6,000				
			Preliminary Design	Match	\$48,000				
			Detailed Design	Match			\$50,000		
			ROW Acquisition	Match			\$2,000		
			Construction	Match				\$421,000	
			Inspection	Match				\$93,000	
375522	OCDOT	ORAN DELPHI RD OVER LIMESTONE CREEK BRIDGE REPLACEMENT, TN OF POMPEY, ONON CO	Scoping	Match	\$6,000				
			Preliminary Design	Match	\$21,000				
			Detailed Design	Match			\$26,000		
			ROW Acquisition	Match			\$2,000		
			Construction	Match				\$188,000	
			Inspection	Match				\$19,000	

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375523	OCDOT	OTISCO VALLEY RD/NINE MILE CREEK BRIDGE REPLACEMENT, TN OF OTISCO, ONON CO							
			Scoping	Match	\$6,000				
			Preliminary Design	Match	\$29,000				
			Detailed Design	Match				\$20,000	
			ROW Acquisition	Match				\$1,000	
			Construction	Match				\$139,000	
			Inspection	Match				\$18,000	
375524	OCDOT	TULLY FARMS RD/BRANCH OF ONONDAGA CREEK BRIDGE REPLACEMENT, TN OF LAFAYETTE, ONON CO							
			Scoping	Match		\$4,000			
			Preliminary Design	Match		\$28,000			
			Detailed Design	Match			\$13,000		
			ROW Acquisition	Match			\$2,000		
			Construction	Match				\$92,000	
			Inspection	Match				\$14,000	
375529	OCDOT	ELECTRONICS PKWY/HENRY CLAY BLVD SIGNAL INTERCONNECT, TN OF SALINA, ONON CO							
			Scoping	Match	\$4,000				
			Preliminary Design	Match	\$12,000				
			Detailed Design	Match		\$14,000			
			ROW Acquisition	Match		\$1,000			
			Construction	Match			\$175,000		
			Inspection	Match			\$11,000		
375569	OCDOT	Old Route 5/ Warners Road Paving (2R) Project							
			Scoping	Match	\$3,000				
			Preliminary Design	Match	\$32,000				
			Preliminary Design	Match	\$4,000				
			Detailed Design	Match			\$38,000		
			ROW Incidentals	Match	\$2,000				
375570	OCDOT	Fremont Road Bridge over Butternut Creek							
			Scoping	Match	\$2,000				
			Preliminary Design	Match	\$48,000				
			Detailed Design	Match			\$51,000		
375571	OCDOT	Electronics Parkway Paving (2R) Project							
			Scoping	Match	\$2,000				
			Preliminary Design	Match	\$49,000				
			Detailed Design	Match			\$52,000		
			ROW Incidentals	Match	\$2,000				
			ROW Acquisition	Match			\$1,000		
375572	OCDOT	John Glenn Blvd. WB (CR 81) 1R							
			Scoping	Match	\$5,000				
			Preliminary Design	Match	\$32,000				
			Detailed Design	Match			\$34,000		
			Construction	Match					\$375,000
			Inspection	Match					\$56,000

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375573	OCDOT	Morgan Road/VerPlanck Road Safety Improvement Project	Scoping	Match	\$2,000				
			Preliminary Design	Match	\$4,000				
			Detailed Design	Match			\$7,000		
			Construction	Match				\$31,000	
			Inspection	Match				\$6,000	
375574	OCDOT	OFF SYSTEM BRIDGE PRESERVATION BLOCK	Construction	Match	\$27,000				
375575	OCDOT	Off System Bridge Preservation Block	Construction	Match		\$17,000			
375576	OCDOT	Off System Bridge Preservation Block	Construction	Match			\$190,000		
375577	OCDOT	BRIDGE PAINTING, VARIOUS LOCATIONS, ONON CO	Scoping	Match		\$1,000			
			Preliminary Design	Match		\$13,000			
			Detailed Design	Match				\$13,000	
			Construction	Match					\$165,000
			Inspection	Match					\$17,000
375578	OCDOT	BUCKLEY RD PAVING (1R) PROJECT	Scoping	Match		\$2,000			
			Preliminary Design	Match		\$11,000			
			Detailed Design	Match				\$12,000	
			ROW Incidentals	Match		\$1,000			
			ROW Acquisition	Match				\$1,000	
			Construction	Match					\$124,000
			Inspection	Match					\$19,000
375579	OCDOT	West Taft Road Paving (2R) Project	Scoping	Match	\$3,000				
			Preliminary Design	Match	\$55,000				
			Detailed Design	Match			\$59,000		
			ROW Incidentals	Match	\$2,000				
			ROW Acquisition	Match			\$1,000		
375580	OCDOT	West Taft Road Paving (1R) Project	Scoping	Match		\$2,000			
			Preliminary Design	Match		\$22,000			
			Detailed Design	Match				\$24,000	
			ROW Incidentals	Match		\$1,000			
			ROW Acquisition	Match				\$1,000	
			Construction	Match					\$223,000
			Inspection	Match					\$40,000
375581	OCDOT	Kirkville Road Paving (1R) Project	Scoping	Match	\$6,000				
			Preliminary Design	Match	\$13,000				
			Detailed Design	Match				\$20,000	
			Construction	Match				\$175,000	
			Inspection	Match				\$26,000	

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375582	OCDOT	Old Route 57 Road Paving (1R) Project	Scoping	Match			\$2,000			
			Preliminary Design	Match			\$28,000			
			Detailed Design	Match					\$30,000	
			ROW Incidentals	Match			\$1,000			
			ROW Acquisition	Match					\$1,000	
			Construction	Match					\$268,000	
			Inspection	Match					\$41,000	
375583	OCDOT	Old Route 57 Road Paving (2R) Project	Scoping	Match		\$4,000				
			Preliminary Design	Match		\$63,000				
			Detailed Design	Match				\$67,000		
			ROW Incidentals	Match		\$3,000				
			ROW Acquisition	Match				\$1,000		
375290	SYRACUSE	DICKERSON ST BRIDGE OVER ONONDAGA CREEK REHABILITATION, SYRACUSE, ONON CO	Construction	Match	\$194,000					
			Inspection	Match	\$19,000					
375291	SYRACUSE	WEST WASHINGTON ST BRIDGE OVER ONONDAGA CREEK REHABILITATION, SYRACUSE, ONON CO	Construction	Match						
			Inspection	Match						
375307	SYRACUSE	HIAWATHA BLVD IMP STATE FAIR BLVD TO PARK, SYRACUSE, ONON CO	Construction	Match						
			Inspection	Match						
375436	SYRACUSE	SOUTH SALINA ST- VALLEY PLAZA CORRIDOR IMPROVEMENTS, SYRACUSE, ONON CO	Detailed Design	Match	\$47,000					
			Construction	Match		\$312,000				
			Inspection	Match		\$36,000				
375442	SYRACUSE	SYRACUSE TRAFFIC SIGNAL UPGRADE	Construction	Match	\$79,000					
			Inspection	Match	\$9,000					
375479	SYRACUSE	N, S, E, W CORRIDORS INTERCONNECT EXPANSION, SYRACUSE, ONON CO	Detailed Design	Match		\$64,000				
			Detailed Design	Match		\$102,000				
			Construction	Match				\$884,000		
			Inspection	Match				\$470,000		
375481	SYRACUSE	JAMES ST IMPROVEMENT PROJECT, TEALL AVE TO THOMPSON RD, SYRACUSE, ONON CO	Detailed Design	Match	\$40,000					
			Construction	Match		\$234,000				
			Inspection	Match		\$34,000				
375482	SYRACUSE	PLUM ST BRIDGE OVER ONONDAGA CREEK REHABILITATION, SYRACUSE, ONON CO	Detailed Design	Match	\$21,000					
			Construction	Match		\$75,000				
			Inspection	Match		\$21,000				
375483	SYRACUSE	SENECA TURNPIKE CORRIDOR IMPROVEMENTS- PHASE I, HOPPER RD TO SALINA ST, SYRACUSE, ONON	Detailed Design	Match	\$108,000					
			Construction	Match			\$660,000			
			Inspection	Match			\$101,000			

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375484	SYRACUSE	PARK ST BRIDGE OVER LEY CREEK REHABILITATION, SYRACUSE, ONON CO	Detailed Design	Match	\$46,000				
			Construction	Match		\$186,000			
			Inspection	Match		\$33,000			
375514	SYRACUSE	CREEKWALK PH. II (JEFFERSON TO COLVIN)	Detailed Design	Match			\$106,000		
			ROW Incidentals	Match	\$83,000				
			ROW Acquisition	Match			\$438,000		
			Construction	Match					\$450,000
			Inspection	Match					\$50,000
375518	SYRACUSE	EVANS ST BRIDGE OVER ONONDAGA CREEK REHABILITATION, SYRACUSE, ONON CO	Scoping	Match	\$15,000				
			Detailed Design	Match		\$16,000			
			Construction	Match		\$157,000			
			Inspection	Match		\$16,000			
375519	SYRACUSE	ELEMENT SPECIFIC CITY BRIDGES REPAIR, SYRACUSE, ONON CO	Scoping	Match	\$18,000				
			Detailed Design	Match		\$18,000			
			Construction	Match		\$73,000			
			Inspection	Match		\$7,000			
375525	SYRACUSE	WEST GENESEE ST BRIDGE OVER ONONDAGA CREEK ELEMENT SPECIFIC REPAIRS, SYRACUSE, ONON CO	Scoping	Match	\$45,000				
			Detailed Design	Match		\$47,000			
			Construction	Match			\$203,000		
			Inspection	Match			\$21,000		
375526	SYRACUSE	UHILL BIKE NETWORK IMPLEMENTATION, SYRACUSE, ONON CO	Scoping	Match					
			Preliminary Design	Match					
			Detailed Design	Match	\$19,000				
			Construction	Match			\$99,000		
			Construction	Match			\$99,000		
			Inspection	Match			\$22,000		
375530	SYRACUSE	BRIDGE BLOCK, CITY OF SYRACUSE	Other	Match					
375559	SYRACUSE	E. GENESEE ST CONNECTIVE CORRIDOR TO SU PHASE 2 & 3	Construction	Match					
			Inspection	Match					
375585	SYRACUSE	SYRACUSE PRINCIPAL ARTERIAL MILL & PAVE, VARIOUS STREETS	Construction	Match	\$982,000				
			Inspection	Match	\$98,000				
375586	SYRACUSE	TEALL AVENUE PAVEMENT RESURFACING PROJECT	Scoping	Match	\$3,000				
			Preliminary Design	Match	\$6,000				
			Detailed Design	Match		\$15,000			
			Construction	Match		\$164,000			
			Inspection	Match		\$25,000			

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375587	SYRACUSE	CITY OF SYRACUSE PAVEMENT & BRIDGE PRESERVATION BLOCK	Construction	Match					\$1,065,000
			Construction	Match					\$154,000
375854	SYRACUSE	HIAWATHA BOULEVARD BRIDGE SIDEWALK IMPROVEMENT PROJECT	Scoping	Match				\$2,000	
			Preliminary Design	Match				\$26,000	
			Detailed Design	Match					\$26,000
			Other	Match				\$10,000	
375447	Syracuse University	DESIGN AND CONSTRUCTION FOR A SYRACUSE UNIVERSITY PRIVATE PARKING AND TRANSPORTATION FACILITY	Construction	Match					
			Inspection	Match					
375471	Town of Cicero	EAST CIRCLE DR OVER DARLENE'S CREEK REPLACEMENT, TN OF CICERO, ONON CO	Construction	Match					
			Inspection	Match					
375495	Town of Cicero	REVITALIZATION AND REDEVELOPMENT OF THE HAMLET OF BREWERTON	Construction	Match	\$159,000				
			Inspection	Match	\$14,000				
		Total by FFY:			\$7,930,000	\$5,543,000	\$8,165,000	\$6,963,000	\$7,042,000
Total of 2014-2018 TIP					\$35,643,000				

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375559	SYRACUSE	E. GENESEE ST CONNECTIVE CORRIDOR TO SU PHASE 2 & 3	Construction	Misc Federal Aid					
			Inspection	Misc Federal Aid					
375495	Town of Cicero	REVITALIZATION AND REDEVELOPMENT OF THE HAMLET OF BREWERTON	Construction	Misc Federal Aid	\$638,000				
			Inspection	Misc Federal Aid	\$57,000				
		Total by FFY:			\$695,000				
		Total of 2014-2018 TIP			\$695,000				

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305623	NYSDOT	SIGN REPLACEMENT CONTRACT ON RT 481, I81 TO OSWEGO CO LINE	Detailed Design	NHPP	\$25,000				
			Construction	NHPP	\$240,000				
			Inspection	NHPP	\$25,000				
305624	NYSDOT	CLEAND AND PAINT RT 481 OVER BONSTEAD RD, TN OF CLAY, ONO CO	Construction	NHPP	\$1,242,000				
			Inspection	NHPP	\$124,000				
307617	NYSDOT	RT 5 RAMPS TO RT 695 OVER RT 297 & CSX RR, ONON CO	Detailed Design	NHPP	\$71,000				
			Construction	NHPP		\$497,000			
			Inspection	NHPP		\$50,000			
310421	NYSDOT	RT 635 BRIDGE OVER I690 REHABILITATION, SYRACUSE, ONON CO	Scoping	NHPP	\$115,000				
			Detailed Design	NHPP		\$194,000			
			Construction	NHPP			\$1,913,000		
			Inspection	NHPP			\$191,000		
328717	NYSDOT	ONONDAGA LAKE PARKWAY CORRIDOR PAVEMENT RESURFACING, SR 370, TN OF SALINA, ONON CO	Preliminary Design	NHPP	\$720,000				
			Detailed Design	NHPP		\$200,000			
			Construction	NHPP			\$1,833,000		
			Inspection	NHPP			\$276,000		
350156	NYSDOT	I81 BRIDGES OVER RT 80 REPLACEMENT, TN OF TULLY, ONO CO	Construction	NHPP		\$5,440,000			
			Inspection	NHPP		\$388,000			
350163	NYSDOT	I81 BRIDGES OVER ONEIDA LAKE/BARGE CANAL REHABILITATION, TN OF HASTINGS, OSW CO	Detailed Design	NHPP	\$900,000				
			Construction	NHPP	\$9,000,000				
			Inspection	NHPP	\$900,000				
350164	NYSDOT	I81 OVER I90 BRIDGE REHABILITATION, TN OF SALINA, ONON CO	Construction	NHPP		\$3,564,000			
			Inspection	NHPP		\$356,000			
350165	NYSDOT	ELEMENT SPECIFIC BRIDGE REHAB I-81 OVER RT 11, TN OF SALINA, ONON CO	Scoping	NHPP	\$192,000				
			Detailed Design	NHPP		\$298,000			
			Construction	NHPP			\$3,678,000		
			Inspection	NHPP			\$367,000		
350167	NYSDOT	TAFT RD ELEMENT SPECIFIC BRIDGE REPAIRS OVER I81, TN OF CICERO, ONON CO	Detailed Design	NHPP				\$267,000	
			Construction	NHPP					\$2,630,000
			Inspection	NHPP					\$263,000
350172	NYSDOT	SIGN REPLACEMENT CONTRACT ON I81, CORTLAND CO LINE TO I481	Detailed Design	NHPP	\$47,000				
			Construction	NHPP	\$419,000				
			Inspection	NHPP	\$42,000				

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350175	NYSDOT	I-81 MBC, LAFAYETTE TO RT 173, TN OF ONONDAGA	Scoping	NHPP				\$261,000	
			Detailed Design	NHPP				\$174,000	
			Construction	NHPP					\$4,351,000
			Inspection	NHPP					\$435,000
350640	NYSDOT	BRIDGE REHAB OF I-690 OVER TEALL AVE, SYRACUSE, ONON CO	Scoping	NHPP	\$54,000				
			Detailed Design	NHPP		\$204,000			
			Construction	NHPP					\$2,198,000
			Inspection	NHPP					\$220,000
350641	NYSDOT	I690 BRIDGE OVER BEECH ST REHABILITATION, SYRACUSE, ONON CO	Scoping	NHPP	\$810,000				
			Detailed Design	NHPP		\$1,254,000			
			Construction	NHPP				\$14,477,000	
			Inspection	NHPP				\$1,448,000	
350643	NYSDOT	I690 OVER CSX RAILROAD ELEMENT SPECIFIC BRIDGE WORK, TN OF GEDDES, ONON CO	Scoping	NHPP				\$64,000	
			Detailed Design	NHPP					\$36,000
			Construction	NHPP					\$1,700,000
			Inspection	NHPP					\$170,000
350644	NYSDOT	ELEMENT SPECIFIC BRIDGE REHAB - I690 OVER BRIDGE ST, TN OF DEWITT, ONON CO	Construction	NHPP					\$3,728,000
			Inspection	NHPP					
360189	NYSDOT	I81 MBC, RT 31 SOUTH OF RT 49, TNS OF CICERO, HASTINGS, WEST MONROE, ONON & OSW CO	Scoping	NHPP		\$33,000			
			Detailed Design	NHPP		\$42,000			
			Construction	NHPP			\$3,650,000		
			Inspection	NHPP			\$365,000		
360274	NYSDOT	RT 31 MBC, VILLAGE OF BALDWINVILLE, ONON CO	Scoping	NHPP	\$25,000				
			Detailed Design	NHPP		\$51,000			
			Construction	NHPP		\$768,000			
			Inspection	NHPP		\$77,000			
360275	NYSDOT	RT 31 MBC, RT 481 TO BELGIUM BRIDGE, TN OF CLAY, ONON CO	Scoping	NHPP	\$83,000				
			Detailed Design	NHPP		\$128,000			
			Construction	NHPP		\$1,544,000			
			Inspection	NHPP		\$155,000			
360277	NYSDOT	RT 5 MBC, HALFWAY RD TO RT 174, TNS OF CAMILLUS & ELBRIDGE, ONO CO	Scoping	NHPP		\$175,000			
			Detailed Design	NHPP		\$175,000			
			Construction	NHPP			\$3,601,000		
			Inspection	NHPP			\$360,000		

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PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:
360281	NYSDOT	RT 5 MBC, HAMILTON RD TO HALFWAY RD, TN OF ELBRIDGE, ONON CO	Scoping	NHPP		\$53,000			
			Detailed Design	NHPP			\$90,000		
			Construction	NHPP			\$1,448,000		
			Inspection	NHPP			\$145,000		
360283	NYSDOT	RT 5 MBC, COUNTY LINE TO HAMILTON RD, TN OF ELBRIDGE, ONON CO	Scoping	NHPP			\$22,000		
			Detailed Design	NHPP				\$45,000	
			Construction	NHPP				\$742,000	
			Inspection	NHPP				\$75,000	
360285	NYSDOT	RT 20, MBC, RT 175 TO RT 80, TNS OF ONONDAGA, MARCELLUS, SKANEATELES	Scoping	NHPP		\$171,000			
			Detailed Design	NHPP			\$264,000		
			Construction	NHPP			\$3,953,000		
			Inspection	NHPP			\$395,000		
360310	NYSDOT	RT 5 MBC, THOMPSON RD TO RT 92, TN OF DEWITT	Scoping	NHPP				\$77,000	
			Detailed Design	NHPP				\$52,000	
			Construction	NHPP					\$861,000
			Inspection	NHPP					\$86,000
380555	NYSDOT	OVERHEAD SIGN STRUCTURES AND PANEL REPAIR/REPLACE	Construction	NHPP				\$1,573,000	
			Inspection	NHPP				\$157,000	
380567	NYSDOT	OVERHEAD SIGN STRUCTURE & PANEL REPAIR/REPLACE CONTRACT	Scoping	NHPP				\$162,000	
			Detailed Design	NHPP				\$65,000	
			Construction	NHPP					\$900,000
			Inspection	NHPP					\$90,000
380650	NYSDOT	REGIONAL DECK TREATMENT CONTRACT	Detailed Design	NHPP					
			Construction	NHPP	\$530,000				
			Inspection	NHPP	\$53,000				
380653	NYSDOT	BRIDGE JOINT REPAIR CONTRACT	Detailed Design	NHPP	\$1,000				
			Construction	NHPP	\$37,000				
			Inspection	NHPP	\$3,000				
380660	NYSDOT	BRIDGE PAINTING CONTRACT	Scoping	NHPP		\$7,000			
			Detailed Design	NHPP		\$7,000			
			Construction	NHPP			\$316,000		
			Inspection	NHPP			\$32,000		
380674	NYSDOT	REGIONAL ITS MAINTENANCE PROJECT	Construction	NHPP	\$932,000				
			Inspection	NHPP	\$93,000				

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380693	NYSDOT	REGIONAL OVERHEAD SIGN STRUCTURE & PANEL REPAIR/REPLACE	Detailed Design	NHPP	\$17,000				
			Construction	NHPP	\$149,000				
			Inspection	NHPP	\$15,000				
			Other	NHPP	\$1,118,000				
380703	NYSDOT	TMC/ITS OPERATIONS AND MAINTENANCE	Other	NHPP	\$1,118,000				
380704	NYSDOT	TMC/ITS OPERATIONS AND MAINTENANCE	Other	NHPP			\$1,186,000		
3B1402	NYSDOT	BRIDGE INSPECTION BY CONSULTANTS 13 & 14	Detailed Design	NHPP	\$461,000				
3B1403	NYSDOT	DIVING, STATE/LOCAL BRIDGES 14 & 15	Detailed Design	NHPP	\$33,000				
3B1406	NYSDOT	MP & T 13 & 14	Construction	NHPP	\$144,000				
			Inspection	NHPP	\$14,000				
3b1501	NYSDOT	STATE & LOCAL BRIDGE INSPECTION BY STATE FORCES	Detailed Design	NHPP	\$216,000				
3b1601	NYSDOT	STATE & LOCAL BRIDGE INSPECTIONS BY STATE FORCES	Detailed Design	NHPP		\$231,000			
3b1603	NYSDOT	DIVING, STATE/LOCAL BRIDGES	Detailed Design	NHPP			\$46,000		
3B1608	NYSDOT	REGIONAL WORKZONE TRAFFIC CONTROL CONTRACT	Construction	NHPP				\$151,000	
			Inspection	NHPP				\$23,000	
3b1701	NYSDOT	STATE & LOCAL BRIDGE INSPECTION BY STATE FORCES	Detailed Design	NHPP			\$237,000		
3B1802	NYSDOT	BRIDGE INSPECTIONS BY CONSULTANTS	Detailed Design	NHPP					\$336,000
3B1803	NYSDOT	DIVING, STATE/LOCAL BRIDGES	Detailed Design	NHPP					\$39,000
3M1701	NYSDOT	BRIDGE CLEAN & WASH	Construction	NHPP				\$400,000	
			Inspection	NHPP				\$40,000	
3T6217	NYSDOT	PAVEMENT AND BRIDGE PRESERVATION BLOCK	Construction	NHPP				\$3,060,000	
3T6218	NYSDOT	PAVEMENT AND BRIDGE PRESERVATION BLOCK	Construction	NHPP					\$2,831,000
375425	OCDOT	BUCKLEY RD BRIDGE OVER CSX RR REHAB, TN OF CLAY, ONON CO	Construction	NHPP	\$1,522,000				
			Inspection	NHPP	\$268,000				

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375520	OCDOT	JOHN GLENN BLVD EB OVER ONONDAGA LAKE OUTLET REHABILITATION, TN OF CLAY, ONON CO	Scoping	NHPP	\$24,000				
			Preliminary Design	NHPP	\$192,000				
			Detailed Design	NHPP			\$198,000		
			ROW Acquisition	NHPP			\$8,000		
			Construction	NHPP				\$1,682,000	
			Inspection	NHPP				\$372,000	
375521	OCDOT	JOHN GLENN WB OVER ONONDAGA LAKE OUTLET REHABILITATION, TN OF CLAY, ONON CO	Scoping	NHPP	\$24,000				
			Preliminary Design	NHPP	\$192,000				
			Detailed Design	NHPP			\$198,000		
			ROW Acquisition	NHPP			\$8,000		
			Construction	NHPP				\$1,682,000	
			Inspection	NHPP				\$372,000	
375529	OCDOT	ELECTRONICS PKWY/HENRY CLAY BLVD SIGNAL INTERCONNECT, TN OF SALINA, ONON CO	Construction	NHPP			\$699,000		
			Inspection	NHPP			\$44,000		
375571	OCDOT	Electronics Parkway Paving (2R) Project	Scoping	NHPP	\$8,000				
			Preliminary Design	NHPP	\$197,000				
			Detailed Design	NHPP			\$209,000		
			ROW Incidentals	NHPP	\$6,000				
			ROW Acquisition	NHPP			\$3,000		
375572	OCDOT	John Glenn Blvd. WB (CR 81) 1R	Scoping	NHPP	\$20,000				
			Preliminary Design	NHPP	\$126,000				
			Detailed Design	NHPP			\$134,000		
			Construction	NHPP					\$1,498,000
			Inspection	NHPP					\$223,000
375578	OCDOT	BUCKLEY RD PAVING (1R) PROJECT	Scoping	NHPP		\$7,000			
			Preliminary Design	NHPP		\$44,000			
			Detailed Design	NHPP				\$46,000	
			ROW Incidentals	NHPP		\$2,000			
			ROW Acquisition	NHPP				\$3,000	
			Construction	NHPP					\$497,000
			Inspection	NHPP					\$75,000
375579	OCDOT	West Taft Road Paving (2R) Project	Scoping	NHPP	\$13,000				
			Preliminary Design	NHPP	\$220,000				
			Detailed Design	NHPP			\$234,000		
			ROW Incidentals	NHPP	\$9,000				
			ROW Acquisition	NHPP			\$3,000		

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375580	OCDOT	West Taft Road Paving (1R) Project	Scoping	NHPP		\$6,000			
			Preliminary Design	NHPP		\$87,000			
			Detailed Design	NHPP				\$95,000	
			ROW Incidentals	NHPP		\$4,000			
			ROW Acquisition	NHPP				\$4,000	
			Construction	NHPP					\$890,000
			Inspection	NHPP					\$160,000
375582	OCDOT	Old Route 57 Road Paving (1R) Project	Scoping	NHPP			\$7,000		
			Preliminary Design	NHPP			\$112,000		
			Detailed Design	NHPP					\$119,000
			ROW Incidentals	NHPP			\$4,000		
			ROW Acquisition	NHPP					\$4,000
			Construction	NHPP					\$1,072,000
			Inspection	NHPP					\$164,000
375583	OCDOT	Old Route 57 Road Paving (2R) Project	Scoping	NHPP		\$14,000			
			Preliminary Design	NHPP		\$250,000			
			Detailed Design	NHPP				\$266,000	
			ROW Incidentals	NHPP		\$10,000			
			ROW Acquisition	NHPP				\$4,000	
375481	SYRACUSE	JAMES ST IMPROVEMENT PROJECT, TEALL AVE TO THOMPSON RD, SYRACUSE, ONON CO	Detailed Design	NHPP	\$161,000				
			Construction	NHPP		\$936,000			
			Inspection	NHPP		\$136,000			
375525	SYRACUSE	WEST GENESEE ST BRIDGE OVER ONONDAGA CREEK ELEMENT SPECIFIC REPAIRS, SYRACUSE, ONON CO	Scoping	NHPP	\$180,000				
			Detailed Design	NHPP		\$186,000			
			Construction	NHPP			\$811,000		
			Inspection	NHPP			\$82,000		
375585	SYRACUSE	SYRACUSE PRINCIPAL ARTERIAL MILL & PAVE, VARIOUS STREETS	Construction	NHPP	\$3,926,000				
			Inspection	NHPP	\$393,000				
375586	SYRACUSE	TEALL AVENUE PAVEMENT RESURFACING PROJECT	Scoping	NHPP	\$12,000				
			Preliminary Design	NHPP	\$25,000				
			Detailed Design	NHPP		\$60,000			
			Construction	NHPP		\$657,000			
			Inspection	NHPP		\$99,000			
		Total by FFY:			\$26,368,000	\$18,560,000	\$27,122,000	\$27,839,000	\$25,949,000
		Total of 2014-2018 TIP			\$125,838,000				

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375563	SYRACUSE	City of Syracuse SRTS Neighborhood Greenway	Preliminary Design	SRTS					
			Construction	SRTS		\$251,000			
			Inspection	SRTS		\$23,000			
			Other	SRTS					
			Total by FFY:					\$274,000	
Total of 2014-2018 TIP					\$274,000				

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328717	NYSDOT	ONONDAGA LAKE PARKWAY CORRIDOR PAVEMENT RESURFACING, SR 370, TN OF SALINA, ONON CO	Other	STP-Flex			\$43,000		
360308	NYSDOT	RT 11 MBC, I81 TO SYRACUSE CITY LINE, TN OF ONONDAGA	Scoping	STP-Flex			\$21,000		
			Detailed Design	STP-Flex			\$14,000		
			Construction	STP-Flex				\$234,000	
			Inspection	STP-Flex				\$24,000	
375376	NYSDOT	NORTH BURDICK ST OVER ERIE CANAL BRIDGE REPLACEMENT, TN OF MANLIUS, ONON CO	Construction	STP-Flex	\$2,000,000				
			Inspection	STP-Flex	\$200,000				
380653	NYSDOT	BRIDGE JOINT REPAIR CONTRACT	Detailed Design	STP-Flex	\$2,000				
			Construction	STP-Flex	\$38,000				
			Inspection	STP-Flex	\$4,000				
380692	NYSDOT	REGIONAL OVERHEAD SIGN STRUCTURE AND PANEL REPAIR/REPLACE	Detailed Design	STP-Flex					
			Construction	STP-Flex					
			Inspection	STP-Flex					
380693	NYSDOT	REGIONAL OVERHEAD SIGN STRUCTURE & PANEL REPAIR/REPLACE	Scoping	STP-Flex					
			Detailed Design	STP-Flex	\$3,000				
			Construction	STP-Flex	\$26,000				
			Inspection	STP-Flex	\$3,000				
3B1402	NYSDOT	BRIDGE INSPECTION BY CONSULTANTS 13 & 14	Detailed Design	STP-Flex	\$461,000				
3B1403	NYSDOT	DIVING, STATE/LOCAL BRIDGES 14 & 15	Detailed Design	STP-Flex	\$33,000				
3B1406	NYSDOT	MP & T 13 & 14	Construction	STP-Flex	\$144,000				
			Inspection	STP-Flex	\$19,000				
3b1501	NYSDOT	STATE & LOCAL BRIDGE INSPECTION BY STATE FORCES	Detailed Design	STP-Flex	\$216,000				
3b1601	NYSDOT	STATE & LOCAL BRIDGE INSPECTIONS BY STATE FORCES	Detailed Design	STP-Flex		\$231,000			
3b1603	NYSDOT	DIVING, STATE/LOCAL BRIDGES	Detailed Design	STP-Flex			\$45,000		
3B1608	NYSDOT	REGIONAL WORKZONE TRAFFIC CONTROL CONTRACT	Construction	STP-Flex				\$151,000	
			Inspection	STP-Flex				\$24,000	
3b1701	NYSDOT	STATE & LOCAL BRIDGE INSPECTION BY STATE FORCES	Detailed Design	STP-Flex			\$237,000		
3B1802	NYSDOT	BRIDGE INSPECTIONS BY CONSULTANTS	Detailed Design	STP-Flex					\$335,000
3B1803	NYSDOT	DIVING, STATE/LOCAL BRIDGES	Detailed Design	STP-Flex					\$38,000

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3M1701	NYSDOT	BRIDGE CLEAN & WASH	Construction	STP-Flex				\$400,000	
			Inspection	STP-Flex				\$40,000	
375329	OCDOT	VELASKO RD, SAFETY RECONSTRUCTION, NY 173 TO SYRACUSE, TN OF ONONDAGA, ONON CO	Construction	STP-Flex					
			Inspection	STP-Flex					
375460	OCDOT	SOUTH BAY RD PAVING, RT 11 TO BEAR RD, TNS OF SALINA, CLAY, CICERO, ONON CO	Construction	STP-Flex	\$1,396,000				
			Inspection	STP-Flex	\$168,000				
375461	OCDOT	ALLEN RD PAVING, TAFT TO BEAR RD, TN OF CLAY, ONON CO	Detailed Design	STP-Flex	\$34,000				
			Construction	STP-Flex		\$1,471,000			
			Inspection	STP-Flex		\$107,000			
375465	OCDOT	NORTHERN BLVD/EAST MOLLOY SAFETY AND PAVING PROJECT, TNS OF DEWITT AND CICERO, ONON CO	Detailed Design	STP-Flex					
			Construction	STP-Flex		\$2,225,000			
			Inspection	STP-Flex		\$346,000			
375477	OCDOT	JORDAN RD BRIDGE OVER SKANEATELES CREEK REPLACEMENT, TN OF SKANEATELES, ONON CO	Detailed Design	STP-Flex					
375516	OCDOT	BRIDGE MAINTENANCE PHASE 1, VARIOUS LOCATIONS	Preliminary Design	STP-Flex					
			Detailed Design	STP-Flex	\$49,000				
			Construction	STP-Flex			\$767,000		
			Inspection	STP-Flex			\$101,000		
375523	OCDOT	OTISCO VALLEY RD/NINE MILE CREEK BRIDGE REPLACEMENT, TN OF OTISCO, ONON CO	Scoping	STP-Flex	\$24,000				
			Preliminary Design	STP-Flex	\$114,000				
			Detailed Design	STP-Flex				\$79,000	
			ROW Acquisition	STP-Flex				\$2,000	
			Construction	STP-Flex				\$554,000	
			Inspection	STP-Flex				\$70,000	
375569	OCDOT	Old Route 5/ Warners Road Paving (2R) Project	Scoping	STP-Flex	\$10,000				
			Preliminary Design	STP-Flex	\$128,000				
375570	OCDOT	Fremont Road Bridge over Butternut Creek	Scoping	STP-Flex	\$9,000				
			Preliminary Design	STP-Flex	\$193,000				
			Detailed Design	STP-Flex			\$205,000		
375581	OCDOT	Kirkville Road Paving (1R) Project	Scoping	STP-Flex	\$25,000				
			Preliminary Design	STP-Flex	\$50,000				
375442	SYRACUSE	SYRACUSE TRAFFIC SIGNAL UPGRADE	Construction	STP-Flex	\$314,000				
			Inspection	STP-Flex	\$35,000				
375479	SYRACUSE	N, S, E, W CORRIDORS INTERCONNECT EXPANSION, SYRACUSE, ONON CO	Detailed Design	STP-Flex		\$254,000			
			Construction	STP-Flex				\$3,534,000	

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375483	SYRACUSE	SENECA TURNPIKE CORRIDOR IMPROVEMENTS- PHASE I, HOPPER RD TO SALINA ST, SYRACUSE, ONON								
			Detailed Design	STP-Flex	\$432,000					
			Construction	STP-Flex			\$2,639,000			
			Inspection	STP-Flex			\$405,000			
375526	SYRACUSE	UHILL BIKE NETWORK IMPLEMENTATION, SYRACUSE, ONON CO								
			Scoping	STP-Flex						
			Preliminary Design	STP-Flex						
			Construction	STP-Flex			\$397,000			
375587	SYRACUSE	CITY OF SYRACUSE PAVEMENT & BRIDGE PRESERVATION BLOCK								
			Construction	STP-Flex					\$4,261,000	
375854	SYRACUSE	HIAWATHA BOULEVARD BRIDGE SIDEWALK IMPROVEMENT PROJECT								
			Preliminary Design	STP-Flex				\$102,000		
375471	Town of Cicero	EAST CIRCLE DR OVER DARLENE'S CREEK REPLACEMENT, TN OF CICERO, ONON CO								
			Construction	STP-Flex						
			Inspection	STP-Flex						
		Total by FFY:				\$6,130,000	\$4,634,000	\$4,874,000	\$5,214,000	\$4,634,000
		Total of 2014-2018 TIP				\$25,486,000				

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375477	OCDOT	JORDAN RD BRIDGE OVER SKANEATELES CREEK REPLACEMENT, TN OF SKANEATELES, ONON CO	Construction	STP-OSB	\$940,000				
			Inspection	STP-OSB	\$137,000				
375517	OCDOT	BRIDGE MAINTENANCE PHASE 2, VARIOUS LOCATIONS	Scoping	STP-OSB		\$32,000			
			Preliminary Design	STP-OSB		\$152,000			
			Detailed Design	STP-OSB			\$157,000		
			Construction	STP-OSB					\$1,442,000
			Inspection	STP-OSB					\$254,000
375522	OCDOT	ORAN DELPHI RD OVER LIMESTONE CREEK BRIDGE REPLACEMENT, TN OF POMPEY, ONON CO	Scoping	STP-OSB	\$25,000				
			Preliminary Design	STP-OSB	\$83,000				
			Detailed Design	STP-OSB			\$102,000		
			ROW Acquisition	STP-OSB			\$9,000		
			Construction	STP-OSB				\$750,000	
			Inspection	STP-OSB				\$77,000	
375524	OCDOT	TULLY FARMS RD/BRANCH OF ONONDAGA CREEK BRIDGE REPLACEMENT, TN OF LAFAYETTE, ONON CO	Scoping	STP-OSB		\$16,000			
			Preliminary Design	STP-OSB		\$110,000			
			Detailed Design	STP-OSB			\$52,000		
			ROW Acquisition	STP-OSB			\$9,000		
			Construction	STP-OSB				\$370,000	
			Inspection	STP-OSB				\$58,000	
375574	OCDOT	OFF SYSTEM BRIDGE PRESERVATION BLOCK	Construction	STP-OSB	\$109,000				
375575	OCDOT	Off System Bridge Preservation Block	Construction	STP-OSB		\$66,000			
375576	OCDOT	Off System Bridge Preservation Block	Construction	STP-OSB			\$760,000		
375577	OCDOT	BRIDGE PAINTING, VARIOUS LOCATIONS, ONON CO	Scoping	STP-OSB		\$4,000			
			Preliminary Design	STP-OSB		\$50,000			
			Detailed Design	STP-OSB				\$53,000	
			Construction	STP-OSB					\$658,000
			Inspection	STP-OSB					\$67,000
375290	SYRACUSE	DICKERSON ST BRIDGE OVER ONONDAGA CREEK REHABILITATION, SYRACUSE, ONON CO	Construction	STP-OSB	\$776,000				
			Inspection	STP-OSB	\$75,000				
375482	SYRACUSE	PLUM ST BRIDGE OVER ONONDAGA CREEK REHABILITATION, SYRACUSE, ONON CO	Detailed Design	STP-OSB	\$83,000				
			Construction	STP-OSB		\$299,000			
			Inspection	STP-OSB		\$85,000			
375518	SYRACUSE	EVANS ST BRIDGE OVER ONONDAGA CREEK REHABILITATION, SYRACUSE, ONON CO	Scoping	STP-OSB	\$60,000				
			Detailed Design	STP-OSB		\$62,000			
			Construction	STP-OSB		\$627,000			
			Inspection	STP-OSB		\$62,000			

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375519	SYRACUSE	ELEMENT SPECIFIC CITY BRIDGES REPAIR, SYRACUSE, ONON CO								
			Scoping	STP-OSB	\$71,000					
			Detailed Design	STP-OSB		\$73,000				
			Construction	STP-OSB		\$292,000				
			Inspection	STP-OSB		\$27,000				
		Total by FFY:				\$2,359,000	\$1,957,000	\$1,089,000	\$1,308,000	\$2,421,000
Total of 2014-2018 TIP					\$9,134,000					

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393274	NYSDOT	GRADE XING IMPROVEMENT, NYS&W, SYRACUSE, RT 80, TN OF FABIUS, ONON CO	Construction	STP-Rail					
393275	NYSDOT	GRADE XING IMP PROG NYS&W RT 11, TN OF TULLY, ONON CO	Construction	STP-Rail					
393276	NYSDOT	GRADE XING IMP PROG, FGLK, AUBURN SEC SOLVAY, ONON CO	Preliminary Design	STP-Rail	\$9,000				
			Construction	STP-Rail		\$225,000			
Total by FFY:					\$9,000	\$225,000			
Total of 2014-2018 TIP					\$234,000				

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360309	NYSDOT	RT 31 MBC, RT 11 TO THOMPSON RD, TN OF CICERO	Scoping	STP-Urban			\$31,000		
			Detailed Design	STP-Urban			\$21,000		
			Construction	STP-Urban				\$342,000	
			Inspection	STP-Urban				\$34,000	
375461	OCDOT	ALLEN RD PAVING, TAFT TO BEAR RD, TN OF CLAY, ONON CO	Detailed Design	STP-Urban	\$62,000				
375486	OCDOT	TRAFFIC SIGNAL UPGRADES	Construction	STP-Urban	\$640,000				
			Inspection	STP-Urban	\$96,000				
375487	OCDOT	FLY RD PAVING, KIRKVILLE RD TO THRUWAY, TN OF DEWITT, ONON CO	Detailed Design	STP-Urban					
			Construction	STP-Urban	\$900,000				
			Inspection	STP-Urban	\$140,000				
375529	OCDOT	ELECTRONICS PKWY/HENRY CLAY BLVD SIGNAL INTERCONNECT, TN OF SALINA, ONON CO	Scoping	STP-Urban	\$17,000				
			Preliminary Design	STP-Urban	\$50,000				
			Detailed Design	STP-Urban		\$56,000			
			ROW Acquisition	STP-Urban		\$5,000			
375569	OCDOT	Old Route 5/ Warners Road Paving (2R) Project	Preliminary Design	STP-Urban	\$14,000				
			Detailed Design	STP-Urban			\$151,000		
			ROW Incidentals	STP-Urban	\$6,000				
375581	OCDOT	Kirkville Road Paving (1R) Project	Detailed Design	STP-Urban				\$79,000	
			Construction	STP-Urban				\$701,000	
			Inspection	STP-Urban				\$105,000	
375436	SYRACUSE	SOUTH SALINA ST- VALLEY PLAZA CORRIDOR IMPROVEMENTS, SYRACUSE, ONON CO	Detailed Design	STP-Urban	\$187,000				
			Construction	STP-Urban		\$1,249,000			
			Inspection	STP-Urban		\$145,000			
375479	SYRACUSE	N, S, E, W CORRIDORS INTERCONNECT EXPANSION, SYRACUSE, ONON CO	Detailed Design	STP-Urban		\$409,000			
			Inspection	STP-Urban				\$1,881,000	
375484	SYRACUSE	PARK ST BRIDGE OVER LEY CREEK REHABILITATION, SYRACUSE, ONON CO	Detailed Design	STP-Urban	\$184,000				
			Construction	STP-Urban		\$742,000			
			Inspection	STP-Urban		\$132,000			
375514	SYRACUSE	CREEKWALK PH. II (JEFFERSON TO COLVIN)	Detailed Design	STP-Urban			\$425,000		
			ROW Incidentals	STP-Urban	\$330,000				
			ROW Acquisition	STP-Urban			\$1,753,000		
			Construction	STP-Urban					\$1,800,000
			Inspection	STP-Urban					\$200,000

**2014-2018 TIP Update
FEDERAL HIGHWAY ADMINISTRATION - PROJECT LISTING
BY FUND SOURCE**

					2014-2018 TIP				
PIN:	Sponsor:	Project Description:	Phase:	Funding Source:	FFY 13/14:	FFY 14/15:	FFY 15/16:	FFY 16/17:	FFY 17/18:
375526	SYRACUSE	UHILL BIKE NETWORK IMPLEMENTATION, SYRACUSE, ONON CO	Detailed Design	STP-Urban	\$77,000				
			Construction	STP-Urban			\$397,000		
			Inspection	STP-Urban			\$88,000		
375587	SYRACUSE	CITY OF SYRACUSE PAVEMENT & BRIDGE PRESERVATION BLOCK	Construction	STP-Urban					\$615,000
375854	SYRACUSE	HIAWATHA BOULEVARD BRIDGE SIDEWALK IMPROVEMENT PROJECT	Scoping	STP-Urban				\$8,000	
			Detailed Design	STP-Urban					\$105,000
								\$41,000	
			Other	STP-Urban					
		Total by FFY:			\$2,703,000	\$2,738,000	\$2,866,000	\$3,191,000	\$2,720,000
		Total of 2014-2018 TIP			\$14,218,000				

APPENDIX A

PROJECT MANAGEMENT SELECTION AND AMENDMENT PROCESS

TIP Project Management Selection and Amendment Process

Project selection is a federal term that is used in conjunction with the management of an approved TIP and STIP. It is not used to identify projects that would be added to the TIP and/or STIP.

Under federal legislation and the associated Metropolitan and Statewide Planning Rules and Regulations, the term “Project Selection” refers to the process and mechanism used to manage project schedule implementation from an approved and fiscally constrained TIP and/or STIP, for advancement to the FHWA or FTA for authorization.

TIP Project Management is a general term used by the SMTC to identify the flexible guidelines the MPO utilizes for the Selection Process, as well as the Amendment and Administrative Modification Process.

Development of a flexible procedure to manage various aspects of project implementation reduces the administrative workload by eliminating the need to process a TIP and/or STIP amendment each time it is determined that an already approved capital project contained in year 2, 3 or 4 of the approved TIP may be advanced for implementation in the first year, or when a fund source revision is required to ensure quick delivery of ready highway and transit projects, pending available funding. It should be noted that the addition of a new project to, or the deletion of an approved project from, an approved TIP will still require a formal TIP amendment and public

notification under the SMTC’s TIP Project Management – Amendment & Administrative Modification Process. The Federal rules [Section 450.216 and Section 450.324] require that the TIP and STIP be fiscally constrained by Federal Fiscal Year (FFY) and by fund category. This constraint is defined as the amount of funds, in each category, that is available for obligation in a given FFY.

The approved transportation program is very dynamic. Revised estimates of the value of programmed projects and/or delays in the schedule of a project caused by unforeseen events creates a situation where the value of the list of projects shown in the first year of the TIP/STIP may not equal the value of the resources available as the year progresses. Based on recent history, the value of the first year’s program will decrease from the initial cost. Since each year is required to be fiscally constrained, it’s essential to identify an easy mechanism to advance approved projects from subsequent years of the TIP/STIP to ensure that the federal funds available to New York in a given year are utilized and not returned for redistribution to perhaps another state.

It is imperative to understand that, in a tightly constrained TIP, all projects, of all modes, in all fiscally constrained years, represent hard commitments and all will be delivered unless withdrawn by the sponsor.

The following narrative describes the TIP Project Management Process procedures adopted by the SMTC:

1. Projects identified in the first year of the TIP/STIP have first right to the funds available. To the extent that all the projects are ready to be authorized and

the actual costs match the programmed costs, no Selection Process or Amendment Process is required.

2. If the value of a project in the first year of the TIP/STIP increases from the programmed cost when it is ready for authorization, it will be necessary to maintain the fiscal integrity of the fund category in that FFY in order to obtain federal authorization. Generally, this will require that savings in other first year programs be identified (i.e., identify an off-set). If that cannot be demonstrated, other first year projects or the subject project phase would need to be deferred to later years. If they are deferred to later years, it is important to remember that fiscal balance in years 2, 3 and 4 of the TIP/STIP must be maintained. This may necessitate advancement or deletion of scheduled projects in year 2, 3 or 4. Even though this sounds onerous, it often entails only minor schedule changes to a project.
3. It is sometimes necessary to revise the fund category in order to ensure timely authorization of an approved project. This action is permitted under the Selection Process for fund sources, other than STP-Urban and CMAQ, if the fiscal integrity of each affected fund category is maintained, and the changes do not result in the delay of any other project phase. If it is necessary to revise either the STP-Urban or CMAQ fund categories, an amendment must be developed and approved.
4. The most likely situations that would require use of the Selection Process are indicated below:

- a. Savings are incurred at authorization (or bid) or;
- b. The schedule of a project slips due to production problems, causing the authorization to be deferred to a subsequent FFY.

In these instances, it will be necessary to select the highest ranked project which is ready for authorization on the MPO's adopted priority listing in the TIP from the second, third or fourth year of the TIP/STIP for authorization to avoid lapsing funds in the current FFY.

5. Notification to the MPO member agencies shall be made as indicated on the Project Management Amendment & Administrative Modification Matrix.

To the extent that projects ready to go exceed the funds available in a given FFY, the NYSDOT, with Division of Budget approval, may advance funds to construction projects late in the FFY. After new funds and/or Obligation Authority are authorized in October, these advance-funded projects are then converted from advanced funding to regular federal funding. Thus, the timely advancement of all FHWA funded projects that are ready to go in the approved TIP/STIP can be achieved. All projects ready to be advanced can be delivered. Realistic deliverability for all projects should be considered prior to requesting federal transportation funding.

The SMTC and NYSDOT recognize that as part of carefully managing the Obligation Authority, the MPO can select FHWA funded projects from years 2, 3 and 4 of the

TIP/STIP and/or revise the fund category if it becomes necessary because of savings or schedule slippage in other FHWA projects. The basis for selecting projects from years 2, 3 or 4 or revising fund categories will be, to the extent possible, to select the highest ranked project from the MPO's adopted priority listing in the TIP that is ready to be authorized from the SMTC MPA, then from the same NYSDOT Region, and finally, from anywhere within the state. Each sponsor should be assured that their project(s) will be authorized.

Similarly, for FTA funded projects in the TIP/STIP, there may be occasions when projects included in the first year of the TIP/STIP will not be ready for authorization at the time the grantee prepares and submits the grant application to

the FTA or could be authorized with another FTA fund source. To the extent that the value of the projects in the first year of the TIP/STIP does not equal the funds available, project selection may be utilized to advance projects from years 2, 3 or 4 of the TIP/STIP. The grantee can select projects from years 2, 3 or 4 if they are ready to be implemented. The value of the projects(s) selected must equal those in the first year that are not ready and the fund category must be the same. If the grantee does not have projects in years 2, 3 or 4, the grantee will consult with the SMTC to identify other FTA projects in the TIP/STIP that can be authorized in the first year.

For the FHWA or FTA funded projects, the project sponsor shall notify the SMTC as indicated on the following matrix.

TIP Project Management Amendment & Administrative Modification Matrix

Description	Amendment Process TIP Amendment Required	Administrative Modification
Adding/Deleting Project		
Project deleted in entirety	Planning/Policy	
New project added over \$500,000	Planning/Policy	
New project added under \$500,000	Executive	
Changes to Scope		
Project type/function is changed	Executive	
Projects are combined		✓
Project phase is added less than \$1,000,000 (i.e., New ROW Phase)		✓
Project phase is added between \$1,000,000 and less than \$10,000,000	Executive	
Project phase is added greater than or equal to \$10,000,000	Planning/Policy	
Project phase is deleted		✓
Project limits increase		✓
Project limits decrease		✓
Changes to Schedule		
Phase is delayed 1 or more fiscal years	Executive	
Phase is advanced 1 or more fiscal years from Year 5	Executive	
Phase is advanced 1 or more fiscal years from Year 2, 3 or 4		✓

Changes in Costs		
Cumulative cost of a phase increases (Less than an increase of \$1,000,000)		✓
Cumulative cost of a phase increases (between \$1,000,000 and less than \$10,000,000)	Executive	
Cumulative cost of a phase increases (greater than or equal to \$10,000,000)	Planning/Policy	
Cost of a phase decreases		✓
Changes in Funding Category		
Changes made to CMAQ or STP-Urban fund sources	Executive	
Funding for a phase changes in part or completely (To 1 or more different		✓
Changes to fund sources other than CMAQ or STP-Urban		✓

Notes:

Funding thresholds are in federal dollars, not total project cost.

All amendments require compensating offsets.

APPENDIX B

PUBLIC INVOLVEMENT PROCESS

Public Involvement Process

Engaging the public early and often in the planning process is critical to the success of any transportation plan or program, and it is required by numerous State and Federal laws. Such legislation underscores the need for public involvement, calling on MPOs such as the SMTC to provide citizens, affected public agencies, representatives of transportation agencies, private providers of transportation, environmental organizations, tribal nations and other interested parties with a reasonable opportunity to participate and comment on transportation plans and programs. Metropolitan transportation planning public participation requirements are contained in CFR 450.316.

The SMTC recognizes that the active involvement of the entire community, in addition to the SMTC Policy, Planning and Study Advisory Committee (SAC) members, is essential to good transportation planning. Public comments are valued since they help shape the direction of a particular transportation study or planning activity, and may help to identify new transportation projects that are important to citizens of the area.

As part of its public involvement efforts, the SMTC also recruits the necessary technical personnel and member agency representatives to serve on a project-specific SAC. Such a committee is created for most of the SMTC planning activities, but in the case of the development of the TIP, a standing subcommittee (referred to as the Capital Projects Committee (CPC)) assists in managing the program, as well as providing needed input and direction. In addition, for many of the SMTC activities, a project-specific Public

Involvement Plan (PIP) sets the framework for the public involvement opportunities that will be available throughout the course of the project. Public input opportunities are also provided during meetings of the SMTC Executive, Planning and Policy Committees. The overarching public involvement efforts undertaken by the SMTC are contained in the agency's Public Participation Plan, which is required by federal transportation legislation and is available on the SMTC web site (www.smtcmpo.org).

Other methods the SMTC uses to inform and invite the public to participate include: the use of press releases to announce various meetings, project updates, and available reports; the production of its newsletter, DIRECTIONS; the creation and ongoing development of the SMTC web site; distribution of various project-specific fact sheets and flyers; and the use of public comment cards and questionnaires. In addition, the SMTC invites the public to "get involved in the transportation planning process" through its agency specific informational brochure.

As to the preparation of the *2014-2018 Transportation Improvement Program*, the public involvement process included announcing opportunities for review and comment on draft documents in the news media, extensive posting of the TIP and the TIP process on the SMTC web site, as well as utilizing the public forums of the SMTC Executive, Planning and Policy Committee meetings. The SMTC also worked closely with members of the ICG in preparation of this document.

To assist project applicants in completing the TIP applications, a **Transportation Improvement Program (TIP) Guidebook** was developed. The Guidebook provides general information on the TIP: What is the TIP? What types of projects should be included in the TIP? How are projects selected for the TIP? It also provides step-by-step information on the TIP and the Statewide Transportation Improvement Program (STIP) Development Process (i.e., soliciting project proposals, preparing and submitting project proposals, project evaluation, committee review and recommendations, and public involvement). This Guidebook was updated in 2012 prior to project solicitation to reflect changes in procedures and to simplify the process for project sponsors. An electronic version is posted on the SMTC web site and Initial Project Proposal (IPP) forms are made available in several formats for electronic submission to the MPO.

To assess the accuracy of current capital projects, a cost/schedule update letter was sent to all applicable sponsors in December 2012 to ascertain the potential for a project solicitation. Following the review of cost/schedule information, the SMTC sent out a “call letter” in December 2012 to all municipalities, including the Onondaga Nation, in the SMTC Metropolitan Planning Area, as well as its Policy and Planning Committee members, seeking public

input for projects to be evaluated for consideration in the *2014-2018 Transportation Improvement Program*.

As mentioned previously in this section, the SMTC worked with the technical member agency personnel on the CPC. Assisting in managing the project, as well as providing input and direction, the CPC met several times throughout the process before recommending a *Draft 2014-2018 Transportation Improvement Program* to the public and SMTC Planning/Policy Committees.

Throughout the development of the *2014-2018 Transportation Improvement Program*, the SMTC announced (via legal notice and press release distribution) the commencement of a 30-day public comment period of which included one public meeting. The public was made aware that a draft document could be obtained at the SMTC offices, viewed online, or individually mailed upon request.

As part of the review process, the SMTC scheduled Planning and Policy Committee meetings to review, approve and endorse the *2014-2018 Transportation Improvement Program*. Upon endorsement, a news release was distributed, announcing the availability of the Final *2014-2018 Transportation Improvement Program*. The official document will be made available to the public in the same manner listed in the previous paragraph.

APPENDIX C

2011-2015 TIP and LRTP 2011 Update CONFORMITY ANALYSIS

Introduction

This regional emissions analysis and supporting documentation were prepared to comply with the requirements of the Federal Clean Air Act Amendments of 1990 (CAA) and the associated Federal and State transportation conformity regulations. The regulations, both the Environmental Protection Agency's (EPA) transportation conformity rule (40 CFR Parts 51 and 93) and the New York State Department of Environmental Conservation's (NYSDEC) transportation conformity regulation (6 NYCRR Part 240), require that each time the Syracuse Metropolitan Transportation Council (SMTC) adopts or approves a Transportation Improvement Program (TIP) or Long Range Transportation Plan (LRTP) or a significant amendment to the TIP or LRTP, it be determined that the proposed action is in conformity with the applicable State Implementation Plan (SIP) for air quality prepared by the NYSDEC. Section 93.122(g) of the transportation conformity rule allows for an agency to rely on the previous regional emissions analysis prepared for a TIP or LRTP if several circumstances are met, such as:

(i) The new Plan and/or TIP contain all projects which must be started in the Plan and TIP's timeframes in order to achieve the highway and transit system envisioned by the transportation plan.

Project schedules for various capital programs contained within the previous emissions analysis have not changed and are reflected as such in the SMTC 2014-2018 TIP. This condition is met.

(ii) All Plan and TIP projects, which are regionally significant, are included in the Plan with design concept and scope adequate to determine their contribution to the TIP's regional emissions at the time of the previous conformity determination.

Two non-exempt projects (i.e., 375479 (N, S, E, W Interconnect Expansion) and 375529 (Electronics Pkwy/Henry Clay Blvd Signal Interconnect)) were included in the previous conformity analysis. This condition is met.

(iii) The design concept and scope of each regionally significant project in the new Plan is not significantly different from that described in the previous Plan.

The schedules for the two non-exempt projects in condition 2 have not changed since the previous emissions analysis. This condition is met.

(iv) The previous regional emissions analysis is consistent with the requirements of Section 93.118 and/or 93.119, as applicable.

In the regional emissions analysis, carbon monoxide emissions are less than or equal to corresponding motor vehicle emission budgets for Onondaga County in each required analysis year. There have been no significant changes to the SMTC 2011-2015 TIP or the LRTP 2011 Update since the transportation plan and program were found to conform by FHWA/FTA. Therefore, the regional

emissions analysis demonstrates that the SMTC 2011-2015 TIP and LR TP 2011 Update conform to the New York State Implementation Plan are requirements of Section 93.112(g).

On February 20, 2013, staff from the Syracuse Metropolitan Transportation Council reviewed various project listings with the Interagency Consultation Group (ICG) that will comprise a fiscally constrained 2014-2018 TIP. The ICG concurred with the project listings and discussed the applicability of the SMTC continuing to utilize the previous emissions analysis developed for the 2011-2015 TIP and the LRTP 2011 Update to comply with the federal transportation conformity regulation. This conformity analysis relying on the 93.122(g) reference discussed above began on February 27, 2013 went out for a 30-day public comment on March 1, 2013. This file was also posted on the SMTC web site, along with a legal notice placed in the local newspaper.

The remainder of the conformity analysis presents the results and documentation of the most recent regional emissions analysis and the air quality determination conducted for the SMTC's 2011-2015 TIP and the LRTP 2011 Update.

Onondaga County Air Quality History and Status of Applicable SIP

In 1990 the Clean Air Act was amended to include a carbon monoxide (CO) non-attainment classification scheme, which included a classification for low to moderate non-attainment. At that time, the non-attainment classification

for areas of the City of Syracuse was expanded by the NYSDEC to include all of Onondaga County. In 1992, the Onondaga County non-attainment area was re-designated to attainment of the CO National Ambient Air Quality Standards (NAAQS). As part of the re-designation process a maintenance plan was developed for 1993 through 2003. The first Maintenance Plan expired in September 2003, and the NYSDEC released a new 10-year Maintenance Plan in December 2003, and subsequently revised it in February 2004. To date, Onondaga County continues to be classified as a CO maintenance area and is in attainment for all other criteria pollutants. The 1-hour CO concentration design value for Onondaga County is 2.8 parts per million (ppm), while the 8-hour CO concentration design value is 1.9 ppm.

The 2003-2013 State Implementation Plan for air quality for Onondaga County contains estimated existing and future emissions of CO as part of the Clean Air Act requirement to produce a "Maintenance Plan" when the NYSDEC demonstrated to the EPA that the City of Syracuse and Onondaga County had attained the NAAQS. This Maintenance Plan establishes a comparison between existing "base year" emissions (per the Clean Air Act this year is 1990) and future estimated emissions. The Maintenance Plan must demonstrate that emissions of CO in future years will remain below the levels established in the base year when the standards are first attained, therefore assuring the continued maintenance of the standards, or NAAQS.

As required by federal policy, the conformity analysis must meet various criteria and procedural requirements, including the use of the latest planning assumptions and

the latest emissions model. These items are described below in further detail. During the development of the 2003-2013 SIP, and subsequent TIP and LRTP revisions, the SMTC worked closely with the Interagency Consultation Group (ICG). In New York State, the ICG consists of the following agencies as defined by 6 NYCRR Part 240.6:

- ❖ United States Department of Transportation
 - Federal Highway Administration (FHWA)
 - Federal Transit Administration (FTA)
- ❖ United States EPA;
- ❖ NYSDOT – Environmental Science Bureau (NYSDOT ESB); and
- ❖ NYSDEC.

Interagency Consultation Process

The conformity process requires a high degree of coordination between Federal, State and local entities and therefore has rules for the establishment of formal procedures for interagency consultation to ensure that all groups are involved. Consultation also ensures that air quality concerns are addressed throughout the planning process so that the resulting conformity determinations meet federal criteria before presentation to FHWA/FTA for approval.

The involved Federal, State and local agencies have agreed that the updated SMTC travel demand model, regional emissions analysis that incorporates the latest planning assumptions, latest future emissions control programs estimated by the NYSDEC, and the latest EPA emissions model must be used to demonstrate conformity of the SMTC TIP and LRTP with the SIP. The latest planning

assumption requirement must be met before the USDOT can make a conformity determination.

Travel Demand Model Validation

In 2010, the SMTC completed an update to the travel demand model that is used to forecast traffic volumes and speeds based on projected socioeconomic information. This was completed to align with both the LRTP 2011 Update and the Interstate 81 project currently in progress at the SMTC. The LRTP 2011 Update projects information out to 2035. The prior model incorporated a base and horizon year of 2003 and 2027, thereby requiring model adjustments and enhancements. The new SMTC travel demand model, with a 2007 base year and 2035 horizon year, was documented to portray how the model was developed, calibrated, and updated to estimate existing and future traffic volumes and speeds. This documentation was provided to the ICG for their concurrence that the model meets requirements to complete a transportation conformity analysis. The ICG concurred on December 15, 2010 that the revised and enhanced travel demand model is appropriate for use in future regional emissions analyses for transportation conformity.

The travel demand model runs used in this conformity determination commenced on December 17, 2012.

Use of Latest Planning Assumptions

All conformity determinations must be based on the latest available planning assumptions at the time of the conformity determination. Section 176(c)(1)(B)(iii) of the

Clean Air Act states that "...[t]he determination of conformity shall be based on the most recent estimates of emissions, and such estimates shall be determined from the most recent population, employment, travel, and congestion estimates as determined by the MPO or other agency authorized to make such estimates." The CAA requires that transportation investments be based on the most recent information that is available in order to protect the public health over the long-term.

The latest planning assumptions requirements apply to all assumptions used in demonstrating conformity, including assumptions that are used in transportation demand and emissions modeling. Examples of assumptions are land use, vehicle age and fleet mix, and the most recent information regarding implementation of control measures in approved SIPs (i.e., inspection and maintenance and fuels programs, transportation control measures).

Specific latest planning requirements are outlined in 40 CFR 93.110 (b)-(f):

"(b) Assumptions must be derived from the estimates of current and future population, employment, travel, and congestion most recently developed by the MPO or other agency authorized to make such estimates and approved by the MPO. The conformity determination must also be based on the latest assumptions about current and future background concentrations."

SMTC Action: The data forecasts used in the model are derived from several datasets, including local economic development organizations and municipal representatives,

and were approved for use by a technical committee consisting of SMTC member agencies in November 2010. Household data and population were obtained via the 2000 Census, the 2007 Census American Community Survey and 2009 parcel data for Onondaga County. Estimates were calculated for 2007, along with future household and population estimates for the 2035 horizon year. Interim year figures (i.e., 2013, 2020 and 2030) were also estimated for the Traffic Analysis Zone (TAZ) structure within the travel demand model. Population estimates from the 2010 Census were also reviewed and utilized accordingly.

Land use data at the TAZ level in the model (i.e., type of employers and number of employees) was similarly calculated for both the base and future scenarios utilizing assistance from a variety of economic development agencies and personnel, and local municipal officials.

Travel data for transit was included in the modeling, taking into account the Central New York Regional Transportation Authority (CNYRTA) fixed route service, as well as non-motorized travel (i.e., bicycling and walking).

"(c) The conformity determination for each transportation plan and TIP [transportation improvement program] must discuss how transit operating policies (including fares and service levels) and assumed transit ridership have changed since the previous conformity determination."

SMTC Action: The current CNYRTA fare structure was increased in 2011. The transit authority continues to monitor the impact the new structure may have on its

customers and will make adjustments to transit services as appropriate. This may include removing routes from the service area for operational and efficiency purposes that are determined to be underperforming due to low ridership. However, even with the fare increase, overall there has been no significant change in ridership. The transit percentage in the travel demand model files is around 1.2%. This percentage is based on observed data from a 2003 travel survey completed in Onondaga County.

“(d) The conformity determination must include reasonable assumptions about transit service and increases in transit fares and road and bridge tolls over time.”

SMTC Action: The current CNYRTA fare structure, as shown below, was increased in 2011. The transit authority continues to monitor the impact the structure may have on its customers and will make adjustments to transit services as appropriate. However, even with the fare increase according to the CNYRTA, overall there has been no significant change in ridership.

Passenger Type	Fare
Adult	\$2.00
Children (6-9 yrs.)	\$1.00
Senior/Disabled fare w/Medicare or Centro ID	\$1.00
Children under 6 accompanied by an adult	Free
Transfers	Free

According to the New York State Thruway Authority (NYSTA), fiscal year 2005 saw the first increase in Thruway tolls since 1988. In 2008, a multi-year increase was approved. The last increase occurred in January 2010.

For modeling purposes, tolls at each Thruway exit/entry plaza in and around the SMTC region were analyzed to calculate a rate in terms of dollars/time, which equates to \$10/hour or 16 cents/minute. This travel time impedance was consistently applied at all points in the model for value of time (VoT). This Cost per Link variable is essentially a detractor to using the Thruway. If costs were reduced, the attractiveness of using the Thruway would likely improve.

“(e) The conformity determination must use the latest existing information regarding the effectiveness of the transportation control measures (TCMs) and other implementation plan measures, which have already been implemented.”

SMTC Action: Table 4 of Appendix A presents the status of the official Transportation Control Measures contained in the original 1993-2003 SIP for Syracuse and Onondaga County. The referenced Federal and State air quality conformity regulations require that each time the SMTC adopts or approves a new TIP or LRTP, a determination that all required TCMs are being implemented in a timely fashion be made. As the TCM table shows, all of the required TCMs have been completed and are shown for informational purposes only.

“(f) Key assumptions shall be specified and included in the draft documents and supporting materials used for the interagency and public consultation required by 93.105.”

SMTC Action: The SMTC utilizes the TransCAD travel demand modeling platform to generate VMT and speed data for morning, evening and daily periods and provides for future-year scenario modeling based on the horizon year roadway network characteristics as well as the previously mentioned land use and population projections that were developed for use in the modeling process. The 2007 population and employment data, along with the current road network conditions were used for the base year calibrations.

The future year (horizon year) of the modeling efforts are characterized by the inclusion of the following assumptions:

- Future household growth by TAZ as determined by the technical committee in November 2010.
- Future employment growth by TAZ as determined by local economic development experts and municipal officials in November 2010.
- Future road network changes as determined by the Transportation Improvement Program and the Capital Plans of appropriate SMTC member agencies as well as the SMTC’s LRTP.

Latest Emissions Model

To complete the required regional emissions analysis, the SMTC relied on emission factors tables provided by the

NYSDOT ESB in April 2008. These tables were developed using the EPA’s motor vehicle emissions model, MOBILE 6.2.

The tables are based on the most recent modeling parameters established by the NYSDEC. The specific modeling inputs and parameters used to develop the emission factor tables for Onondaga County are noted below:

Evaluation Month: The month of January (i.e., winter conditions) was specified in the CO emission factor input files.

Vehicle Registration Distribution: Year 2007 registration data were used to model all future analysis years.

Vehicle Mileage Accumulation Rate: The default EPA mileage accumulation rate data (provided with the MOBILE 6.2 model) were used for all analysis years.

I/M Programs: NYSDEC inspection and maintenance (I/M) program data were used in the emission modeling. The NYSDEC file “NYVIP.d” contains data for the upstate New York program. This file was used for modeling all future analysis years.

Anti-Tampering Program: The anti-tampering program data described in the table below was used to model all analysis years:

Anti-Tampering Program Data	
Parameter	Years 2002-2035

Beginning Calendar Year	1984
Earliest Model Year	(Current year – 25 years)
Final Model Year	(Current year – 2 years)
Light-Duty vehicles subject to inspection	LDGV, LDGT1, LDGT2, LDGT3, LDGT4
Heavy-Duty vehicles subject to inspection	HDGV2B, HDGV3, HDGV4
Annual or Biennial	Annual
Compliance Rate	98%
Component Inspections (see MOBILE 6.2 user's guide)	All expect tailpipe lead deposit test

Fuel Program, Fuel RVP and Fuel Oxygenate Date: 30 parts per million (PPM) average and 80 ppm maximum fuel sulfur levels, Reid Vapor Pressure (RVP) level of 12.5 psi, and 5% (ethanol) oxygenate content as provided by the NYSDEC were specified in the input files.

Temperature and Humidity: For the winter season, county-specific hourly temperatures and MOBILE 6.2 default humidity levels were used in the modeling.

Diesel Sale Fractions: Diesel sale fractions for NYSDOT Region 3 were used in the modeling. Year 2007 diesel sale fractions were used to model all future analysis years.

Vehicle Start Distribution: County-specific vehicle start distribution data as received from the NYSDEC in Spring 2009 were used in the modeling.

VMT by Hour: County-specific VMT data as verified by the NYSDEC in Spring 2009 were used in the modeling.

Low-Emission Vehicle (LEV) Standards: The following files were used to model the effects of implementing California's LEV I/LEV II programs in New York State:

- L2CERT.d – Specifies the LEV II 50,000-mile certification standards
- L2EVAP.d – Specifies the phase-in schedule for the LEV II evaporative emission standards
- L2EXH.d – Specifies the phase-in schedule for the LEV II exhaust emission standards
- LEV2.d – Provides fleet penetration fractions for light-duty gasoline vehicles under the LEV I/LEV II programs.

Weighed Emissions by Vehicle Type: The emission factors for each individual vehicle type were weighted according to the NYSDOT Region 3 vehicle distributions by roadway functional classification and then summed to obtain combined emission factors.

These model parameters include the latest existing and future emissions control programs included in the NYSDEC's statewide mobile source emission inventory, and the latest MOBILE 6.2 input assumptions for the existing and future vehicle fleets traveling on roadways within Onondaga County. The MOBILE 6.2 parameters and external data files are available by contacting the NYSDOT ESB.

Identification of Exempt/Non-Exempt and Regionally Significant Projects

All federally-funded transportation projects in the Syracuse Metropolitan Planning Area must be included in the TIP. As

part of the development of the 2011-2015 TIP, which was approved by the SMTC Policy Committee in July 2010, and required by 40 CFR Part 93, the SMTC staff evaluated the projects contained in the 2011-2015 TIP to determine their exempt or non-exempt status as defined by the criteria of the federal conformity rules and guidance. Generally, projects that improve the safety of the road network, preserve/maintain existing roads and bridges, contribute to minor increases in the efficiency of public transportation services, or enhance non-motorized travel are considered exempt. Non-exempt projects are those projects that do not meet the criteria of exempt projects as found in 40 CFR Part 93.126, 93.127 and NYCRR Part 240.27. Any project classified as non-exempt must be included in the regional emissions analysis to determine their impact on air quality.

A regionally significant project can be defined as any project, regardless of funding source, which is on a facility that serves regional transportation needs and that would normally be included in the metropolitan area's transportation network.⁵ Through conversations with member agencies, there are no regionally significant projects within the SMTC planning area. However, the Carousel Center mall expansion also known as Destiny USA, as determined through interagency consultation is incorporated in the regional travel demand model.

The ICG concurred with the exempt/non-exempt status of the numerous projects that comprise the 2011-2015 TIP on March 3, 2010. There have been no new non-exempt projects added to the capital program since that time.

⁵ 23 CFR Part 450.104

However, during a maintenance revision to the capital program, two non-exempt project schedules were adjusted. PIN 303769 was removed from the program, while the construction schedule for PIN 375479 was moved to a later year than originally programmed, thereby necessitating a re-determination for transportation conformity purposes. The SMTC incorporates exempt and non-exempt projects from the TIP, in addition to the LRTP projects anticipated for future implementation within financial constraints of the LRTP that can be modeled in the regional emissions analysis. Please refer to the adopted 2011-2015 TIP available on the SMTC web site for a listing of the exempt projects. Table 1 of Appendix A lists the non-exempt projects from the 2011-2015 TIP and the future projects included in the LRTP 2011 Update.

Results of the Regional Emissions Analysis

Through ICG concurrence and in accordance with 40 CFR Part 93, the SMTC has completed the regional emissions analysis on the following years:

- 2013 – represents the last year of the 2003-2013 Maintenance Plan, a year with an emissions budget, and the first analysis year which no more than five years from the date of determination;
- 2020 – an intermediate year no more than ten years apart;
- 2030 – an intermediate year no more than ten years apart; and
- 2035 – the horizon year of the LRTP 2011 Update.

Appendix A shows the complete results of the regional emissions analysis of the SMTC's revised 2011-2015 TIP

and LRTP 2011 Update using the latest emissions factors and the latest SMTC travel demand model forecast VMT. The SMTC staff applied the emission factors for CO to data from the travel demand model outputs in a spreadsheet based post-processor. The emissions post processor applies MOBILE 6.2 emission factors for CO to links within the travel demand model runs based on each link's VMT and speed. The link specific results are then summarized to arrive at totals for Onondaga County.

The existing and future estimated emissions are presented in Tables 2 and 3. This regional analysis demonstrates that with the adopted revised 2011-2015 TIP and update to the LRTP, CO emissions in future years will remain significantly below the levels established for each applicable milestone year in the SIP Motor Vehicle Emissions Budget. Therefore, continued maintenance of the CO NAAQS is assured, and the SMTC revised 2011-2015 TIP and LRTP 2011 Update will remain in conformity with the SIP.

Public Involvement Process

This conformity analysis was released for a 30-day public comment beginning January 11, 2013. In addition to the 30-

day public comment period, this document was posted on the SMTC website, and a legal notice placed in the local newspaper. No comments were received.

Conclusions and Statement of Conformity

In conclusion, the SMTC revised 2011-2015 TIP and the LRTP 2011 Update complies with the requirements of the Clean Air Act, and is in conformance with the New York State Implementation Plan for air quality. Appendix A provides the documentation of the required regional emissions analysis conducted to determine air quality conformity. This analysis demonstrates that with the revised 2011-2015 TIP and LRTP, CO emissions in future years will remain below the levels established for each applicable milestone year in the SIP Motor Vehicle Emissions Budget. Therefore, continued maintenance of the CO NAAQS is assured, and the SMTC 2011-2015 TIP and LRTP 2011 Update remain in conformity with the SIP.

The ICG reviewed this documentation in December 2012 and found it acceptable for release to the public.

As described in this December 2012 regional emission analysis, the SMTC includes those projects identified through the interagency consultation process as non-exempt, in addition to various exempt and future proposed projects with sufficient detail within the travel demand model road network files. Below are those various non-exempt projects from the 2011-2015 TIP and anticipated projects from the LRTP 2011 Update that are included in this analysis. The LRTP 2011 Update projects were provided to the SMTC by the NYSDOT and the Onondaga County DOT. These projects are also listed below and provide cursory details of the future project, and the years in which they've been incorporated in the travel demand model files. The LRTP provides a long-term vision of the transportation system in the Syracuse metropolitan area. Should sufficient funding become available in the future and prioritized for allocation within fiscal parameters established in the LRTP, these are various projects with which the member agencies have identified for implementation consideration.

Table 1: 2011-2015 TIP Non-Exempt Projects

PIN	Project	General Scope	TCM	Completion Date	First Yr. Modeled
375285	Geddes/Genesee and Lodi/Salina Signal Interconnect	Upgrading of signals and inclusion in existing interconnect system.	NO	2012	2013
375479	N,S,E,W Interconnect Expansion	Upgrading of signals and inclusion in existing interconnect system.	NO	2017	2020
375529	Electronics/Henry Clay Signal Interconnect	Upgrading and interconnect of signals.	NO	2016	2020
Source: Syracuse Metropolitan Transportation Council 2011-2015 Transportation Improvement Program. "PIN" stands for project identification number; "TCM" indicates whether or not the project is a Transportation Control Measure.					

LRTP 2011 Update Projects

1) Bear Street Extension: The current four lane configuration of Bear Street will be extended along a course turning generally northward after crossing Interstate 81 in an eastbound direction. Modeled in 2030 and 2035.

2) Third Lane of Frontage Road: Beginning at Exit 23B, the on ramp from Carousel Center Drive to the Interstate 81 Southbound Frontage Road (SR 936F), a third lane will be constructed southward to Bear Street. Modeled in 2020 and all subsequent years.

3) Genant Street: Genant Street will be upgraded and the I-81 southbound exit to Franklin St will be closed off. Genant St will be rebuilt so that it accesses the Franklin St ramp. Modeled in 2030 and 2035.

4) Girden Road Extension: Girden Road, running along the DeWitt-Manlius town line, will be extended southward beyond its current terminus at a dead end to the access road for the CSX Rail Yard. This road will act as the primary

access to the facility for truck traffic from Interstate 481, generally replacing the current truck access off North Central Avenue near Fremont Road. The intersection of Girden Road and Kirkville Road will feature a traffic signal. Modeled in 2030 and 2035.

5) Onondaga Lake Parkway: The speed on Onondaga Lake Parkway will be reduced to 45 MPH all year. Currently the parkway

is posted at 55 MPH during the most of the year and 45 MPH from Nov. 1st – March 31st. Modeled in 2013 and all subsequent years.

6) Routes 31/81 Interchange Improvements: To improve capacity issues there will be a complete interchange replacement. Modeled in 2020 and all subsequent years.

7) Soule Road & Route 31/Route 481 Interchange: Carling Road extension to Soule Road and reconfiguration of the Route 481 southbound on-ramp. Modeled in 2020 and all subsequent years.

8) Seventh North: The intersection of Seventh North/Buckley will be upgraded with the addition of southbound and eastbound lefts, and northbound and southbound throughs. Modeled in 2020 and all subsequent years.

Table 2
SMTC December 2012 Regional Emissions Analysis Summary

Note: Motor Vehicle Emission Budgets (MVEB) from 2003-2013 SIP

2013 Build	VMT	CO Sum (g/day)			
24 hour	12,395,429.00	158,236,563.77	=	174.43 tons per day	MVEB = 357
					PASS

2020 Build	VMT	CO Sum (g/day)			
24 hour	12,695,543.00	141,675,846.25	=	156.17 tons per day	MVEB = 357
					PASS

2030 Build	VMT	CO Sum (g/day)			
24 hour	13,182,138.00	143,605,290.57	=	158.30 tons per day	MVEB = 357
					PASS

2035 Build	VMT	CO Sum (g/day)			
24 hour	13,379,238.00	145,817,842.36	=	160.74 tons per day	MVEB = 357
					PASS

Table 3
VTM and Emission Summary by Year
(Calculated with MOBILE 6.2 CO g/mi interpolated factors)

2013 24 Hour				
FC	Avg. Speed	VTM	CO (g/mi)	CO Sum
11/12	61.5	3,689,502	13.69	50,501,903.38
14	27.7	1,339,574	12.22	16,368,254.71
16	27.2	2,096,853	12.23	25,652,899.60
17	27.1	659,996	12.39	8,174,314.46
19	19.6	1,355,982	12.85	17,424,911.09
11/12 ^a	30.2	216,483	11.83	2,560,993.89
14 ^b	27.5	42,009	12.23	513,560.03
01	66.4	588,765	13.20	7,771,698.00
02	45.8	280,649	12.62	3,543,025.24
06	48.7	153,563	12.82	1,968,923.36
07	35.5	363,221	12.06	4,381,171.70
08	37.5	222,397	12.19	2,711,019.43
09	33.2	1,370,246	12.03	16,479,126.49
01 ^c	28.6	11,896	11.20	133,182.86
02 ^d	27.8	4,293	12.01	51,579.54
TOTAL 24 HOUR				158,236,563.77
			tons/day	174.4259539

2020 24 Hour				
FC	Avg. Speed	VTM	CO (g/mi)	CO Sum
11/12	61.5	3,796,313	11.97	45,453,255.55
14	27.9	1,414,470	10.68	15,107,105.39
16	27.3	2,101,835	10.69	22,478,704.96
17	27.1	667,078	10.84	7,229,791.36
19	19.7	1,348,773	11.21	15,120,554.59
11/12 ^a	30.2	219,924	10.35	2,276,213.40
14 ^b	27.6	43,800	10.69	468,116.88
01	66.3	629,619	11.53	7,259,507.07
02	45.7	290,561	11.03	3,205,062.17
06	48.3	158,428	11.18	1,771,446.84
07	35.4	373,453	10.53	3,933,356.38
08	37.5	226,927	10.65	2,416,772.55
09	33.2	1,407,048	10.51	14,783,009.11
01 ^c	27.9	12,715	9.80	124,637.52
02 ^d	27.5	4,599	10.51	48,312.50
TOTAL 24 HOUR				141,675,846.25
			tons/day	156.1708877

a Urban High capacity ramp

b Urban Low capacity ramp

c Rural High capacity ramp

d Rural Low capacity ramp

FC refers to a roadway's functional classification

Table 3, continued
VMT and Emission Summary by Year
(Calculated with MOBILE 6.2 CO g/mi interpolated factors)

2030 24 Hour				
FC	Avg. Speed	VMT	CO (g/mi)	CO Sum
11/12	61.3	4,009,665	11.67	46,808,829.21
14	27.7	1,423,855	10.43	14,851,661.96
16	27.3	2,143,860	10.44	22,380,612.08
17	27.1	686,182	10.59	7,265,295.02
19	19.8	1,354,178	10.94	14,814,707.32
11/12 ^a	30.1	228,858	10.11	2,313,754.38
14 ^b	27.5	44,496	10.44	464,315.76
01	66.2	690,234	11.26	7,772,034.84
02	45.3	307,341	10.74	3,300,043.25
06	47.8	167,098	10.88	1,818,427.28
07	35.2	392,374	10.26	4,026,071.14
08	37.4	237,722	10.38	2,467,459.27
09	33	1,477,837	10.25	15,141,917.90
01 ^c	27.2	13,686	9.60	131,429.40
02 ^d	27.5	4,752	10.26	48,731.76
TOTAL 24 HOUR				143,605,290.57
			tons/day	158.297736

2035 24 Hour				
FC	Avg. Speed	VMT	CO (g/mi)	CO Sum
11/12	61.2	4,100,318	11.67	47,834,309.79
14	27.6	1,429,866	10.44	14,931,804.66
16	27.3	2,152,775	10.45	22,495,207.09
17	27.1	692,115	10.59	7,331,020.50
19	19.8	1,350,550	10.94	14,775,017.00
11/12 ^a	30	231,837	10.12	2,346,190.44
14 ^b	27.5	45,446	10.45	474,683.47
01	66.1	719,581	11.26	8,102,482.06
02	45.2	315,378	10.73	3,384,510.54
06	47.6	170,854	10.87	1,857,319.66
07	35.1	400,549	10.27	4,111,715.59
08	37.3	242,004	10.38	2,511,904.72
09	33	1,508,734	10.26	15,473,575.90
01 ^c	26.8	14,266	9.61	137,159.03
02 ^d	27.3	4,965	10.26	50,941.89
TOTAL 24 HOUR				145,817,842.36
			tons/day	160.7366568

a Urban High capacity ramp

b Urban Low capacity ramp

c Rural High capacity ramp

d Rural Low capacity ramp

FC refers to a roadway's functional classification

Table 4
Transportation Control Measures (TCMs) Update

PIN	Project	1994-1999	1999-2004	Comments
303519	RT 57, phase IV, Gaskin to RT 31	Construction 11/96		Implemented
310412	RT 635, RT 5 to RT 298	Construction 11/94	Construction 6/98	Implemented
310413	RT 298, Syracuse to Carrier Circle	Construction 11/98	Construction 4/02	Implemented
375206	Harrison Street Traffic Signal	Construction 9/95		Implemented
375207	Buckley Road Improvements at Bear Road	Construction 11/95		Implemented
380272	Oncenter Signs	Construction 1/94		Implemented
380275	Downtown Syracuse Signal Interconnect System	Engineering 11/96	Construction 7/96	Implemented
380307	Connections Ride Sharing Program			Implemented
380312	AVL System	Construction 10/96		Implemented
382074	Fare Collection System	Construction 10/96		Implemented
382089	Shelter Schedule Panels	Construction 10/94		Implemented
Source: Syracuse Metropolitan Transportation Council, 1999-2004 Transportation Improvement Program.				

APPENDIX D

ENERGY AND GREENHOUSE GAS ANALYSIS

SMTC ENERGY and GREENHOUSE GAS ANALYSIS PROCESS

Detailed below are the steps that were taken in an effort to complete the energy and greenhouse gas analysis for the Syracuse Metropolitan Transportation Council's (SMTC) Transportation Improvement Program (TIP) and Long-Range Transportation Plan (LRTP) 2011 Update.

The detailed results of the analysis can be found in the following steps. The steps that were followed are consistent with the guidance documents listed below, as amended through consultation with the New York State Department of Transportation's Environmental Science Bureau (NYSDOT-ESB).

- *Air Quality Analysis of Transportation Improvement Programs, Regional Transportation Plans, and Capital Project programs – Technical Guidance to Assist Metropolitan Planning Organizations and Department of Transportation Regional Offices Meet the Objectives of the 2002 New York State Energy Plan* (January 21, 2003);
- *Development of Revised NYSDOT Energy Analysis Guidelines (Draft), Subtask 12a: Energy Analysis Guidelines for TIPs and Plans* (June 21, 2002); and
- *Development of Revised NYSDOT Energy Analysis Guidelines (Draft), Subtask 12b: Greenhouse Gases (CO₂) Emissions Estimates for TIPs and Plans* (June 21, 2002)

Step #1 – Identification of all Non-Exempt and Regionally Significant Projects

The first step in this process was determining which projects would be subject to analysis. All of the projects included in the 2014-2018 TIP and the LRTP 2011 Update were reviewed for their significance in affecting energy consumption as per the guidance provided in 6 NYCRR Part 240.6 (h)(2). In general, projects that maintain current levels of service or capacity, such as safety improvements, resurfacing, bridge repair, or bus replacements were considered exempt from the analysis. Similarly, projects that result in operational improvements, but without an increase in capacity (such as intersection widening) were also considered exempt and excluded from the analysis.

A Regionally Significant project is, according to 6 NYCRR Part 240.2 (38), “a transportation project (other than an exempt project) that is on a facility which serves regional transportation needs (such as access to and from an area outside the region, major activity centers in the region, major planned developments such as new retail malls, sports complexes, etc., or transportation terminals as well as most terminals themselves) and would normally be included in the modeling of a metropolitan area’s transportation network, including, at a minimum, all principal arterial highways and all fixed guideway transit facilities that offer an alternative to regional highway travel.”

Non-exempt projects include highway and road projects that increase capacity by at least one travel lane, and transit projects that change capacity on a fixed route system. The non-exempt determination was made if the project type is not found in the list of exempt projects derived from “Table 2- Exempt Projects” in 40 CFR Part 93.126, 93.127 and NYCRR Part 240.27.

As mentioned above, the project list for the SMTTC’s energy and greenhouse gas analysis consisted of the projects included in the 2014-2018 TIP and the LRTP 2011 Update. Two projects from the 2014-2018 TIP, noted below, were categorized as non-exempt projects. However, these projects were unable to be analyzed utilizing the indirect energy lane-mile approach, consistent with *Subtask 12a: Energy Analysis Guidelines for Tips and Plans* because the projects entail signal improvements only, with no additional lane miles of construction.

- N, S, E, W Signal Interconnect Expansion – Update signals and inclusion in existing traffic interconnect system.
- Electronics/Henry Clay Signal Interconnect – Upgrading and interconnect of signals.

The LRTP 2011 Update includes eleven projects that are considered essential to the region’s transportation system in order to service anticipated future development, although these projects are not currently programmed on the TIP. Seven of these projects, denoted with an asterisk, were included in the greenhouse gas and energy analysis.

- Bear Street Extension* – Extend Bear Street from the Interstate 81 bridge to Hiawatha Boulevard, intersecting Hiawatha Boulevard at its current intersection with North Salina Street. The extension will consist of four travel lanes.
- Third Lane of Frontage Road* – Add a third travel lane to the Interstate 81 Frontage Road (SR 936F) from Exit 23B to Bear Street.
- Genant Street* – Genant Street will be rebuilt so that it accesses the Franklin Street ramp. Also, the I-81 SB exit to Franklin Street will be closed off.
- Girden Road Extension* – Girden Road, running along the DeWitt-Manlius town line, will be extended southward beyond its current terminus at a dead end to the access road for the CSX Rail Yard. This road will act as the primary access to the facility for truck traffic from Interstate 481, generally replacing the current truck access off North Central Avenue near Fremont Road.
- Onondaga Lake Parkway – The speed on Onondaga Lake Parkway will be reduced to 45 MPH all year. Currently the parkway is posted at 55 MPH during the most of the year and 45 MPH from November 1st – March 31st.
- Route 31/81 Interchange Improvements* – To improve capacity issues there will be a complete interchange replacement. The interchange will be

upgraded from the current configuration to a cloverleaf interchange.

- Soule Road & Route 31/481 Interchange* – Carling Road extension to Soule Road and reconfiguration of the Route 481 southbound on-ramp. Access to Route 481 will be from Route 31 only. Soule Road will end prior to reaching the NY Route 481 on-ramp and Carling Road will be extended to connect Route 31 with Soule Road.
- Access NY 481 Southbound at Exit 12 – Soule Road will be expanded from two lanes (one lane each direction) to three lanes (one lane each direction and a shared two-way left turn lane) for the section of this road under OCDOT jurisdiction. The bounds of this project are from Old Route 57 to Access NY 481 southbound at Exit 12.
- Verplank Road* – This project involves the expansion of shoulders and lane widths with a shared third lane along Verplank Road.
- Buckley Road – This project involves the addition of a shared turn lane along the entire length of Buckley Road (from Old Liverpool Road to Morgan Road). The intersection of Buckley/Bear will be expanded with the addition of EB left, EB thru and NB left turn lanes.
- Seventh North Street – The intersection of Seventh North/Buckley will be upgraded with the addition of SB and EB lefts, and NB and SB throughs.

Step #2 – Travel Demand Modeling

To determine the impact of future projects in the Syracuse Metropolitan Planning Area (MPA), the SMTC uses TransCAD travel simulation software. Like most other programs of this type, the model consists of a road network, land-use and employment data, trip generation, trip distribution, and trip assignment. The results generated by the program are then compared to known travel counts to calibrate the model. The SMTC travel demand model is calibrated based on 2008 base year traffic conditions and 2010 Census information that was forecasted for 2007 (base year) and 2035 (horizon year). Background documentation and technical information related to the SMTC Model are available at the SMTC.

The analysis includes a year 2035 No-Build scenario and a year 2035 Build scenario (as 2035 is the horizon year of the SMTC LRTP). The No-Build scenario includes the 2007 roadway network with 2035 land-use characteristics, while the Build scenario consists of the 2035 network and 2035 land-use characteristics.

Step #3 – Off-Line Model Analysis

A quantitative analysis was also undertaken to account for the visions of the 2035 LRTP that could not be modeled in TransCAD. Inclusion of transit and bicycle/pedestrian transportation modes is beyond the capabilities of the software. Using information developed by the SMTC and its member agencies, the SMTC calculated the reduction of vehicle miles traveled (VMT) as a result of transit and bicycle and pedestrian system improvements envisioned in

the LRTP. Additionally, the SMTC accounted for reductions of volatile organic compounds, carbon monoxide, and oxides of nitrogen as a result of updating Centro's existing compressed natural gas (CNG) buses to newer, modern CNG buses.

These off-model VMT reductions were then factored into the TransCAD outputs to better demonstrate the Build scenario provided for in the LRTP. This process differed from that used in the Transportation Conformity determination where only the results of VMT from TransCAD were utilized. VMT reductions were included to account for expected increases in bicycle and pedestrian trips (VMT reduction of 0.2% in 2035) and in transit ridership (increase of approximately 33,000 daily riders with an average trip length of 5 miles in 2035). The results can be found in Table 1.

Step #4 – Regional Emissions Modeling

As stated earlier, TransCAD estimates the VMT for various scenarios provided for in the planning process. To calculate the regional emissions that will result from the transportation system envisioned in the LRTP Build scenario, this VMT information is utilized in conjunction with the latest MOBILE6.2 emission factors developed by the US Environmental Protection Agency (EPA).

Emission estimates were determined using the VMT data and MOBILE6.2 emission factors. This process involves the utilization of traffic volume and speed data provided by the SMTC, the most recent vehicle fleet characteristics, and other traffic and meteorological parameters established by

NYSDOT in cooperation with the New York State Department of Environmental Conservation (NYSDEC). MOBILE6.2 incorporates these parameters to develop estimated emission factors.

For this analysis the SMTC utilized emissions factors by road type and speed for Volatile Organic Compounds (VOC), Nitrogen Oxides (NO_x) and Carbon Monoxide (CO) for both the Build and No-Build scenarios. The SMTC then calculated the number of grams of pollutant produced for each scenario. An additional emissions reduction was included, relying on input from Centro to account for the updating of Centro's compressed natural gas fleet. These results can be found in Table 1.

Step #5 – Direct Energy Analysis

Direct energy represents the energy consumed by vehicles using a transportation facility (for this analysis, "facility" is defined as the roadway segments in the SMTC's regional travel demand model). Direct vehicle energy was calculated using the VMT Fuel Consumption Method as described in *Subtask 12a: Energy Analysis Guidelines for TIPs and Plans*. The calculations were based on VMT (not seasonally-adjusted) reported by the 2035 No-Build and Build scenarios and a calculated vehicle type. Vehicle classification data were based on aggregating data obtained from NYSDOT's *Mobile 6 Region 3 1999 Summer Time Emissions Factors*. NYSDOT Region 3 includes the majority of the Syracuse MPA. Therefore, it was determined those factors would accurately reflect vehicle distribution for the model. The classification data in the MOBILE6.2 table is based on 28 vehicle classifications, determined by the EPA,

which is not directly comparable to the three vehicle types used in the direct energy analysis guidance. For this analysis, it was assumed that, taken together, vehicle classifications 1-5, 14-16, and 28 are equivalent to “light duty vehicles”, classifications 6-9 and 17-20 are equivalent to “medium trucks”, and classifications 10-13 and 21-27 represent “heavy trucks”. Since the table lists percentages of type of vehicle by functional class, an average of all functional classes was calculated and then summarized to represent the percentage by the three vehicle types required for energy analysis. Each of the three vehicle types have a fuel economy rate per year based on the fuel type used.

For each scenario, the total VMT was multiplied by the percentage of each vehicle type to determine vehicle type VMT. That vehicle type VMT was then divided by the fuel economy rate to calculate the number of gallons of fuel used. These fuel consumption values were then converted to British Thermal Units (BTUs) by multiplying each gallon by 125,000. Finally, the total direct energy consumption, in BTUs, was summarized for all vehicles in each scenario. These results can be found in Table 2.

Step #6 – Indirect Energy Analysis

Indirect energy represents the energy required to construct and maintain the transportation system. For this analysis, per ESB guidelines, only the energy used in construction activities for Regionally Significant, Non-Exempt or future anticipated projects, including new construction, reconstruction, rehabilitation, and widening was analyzed. Certain non-exempt projects, such as ridesharing, include

no energy-consuming construction or maintenance activities, and therefore, an indirect energy calculation is not applicable. The intent of the indirect energy calculations is to measure the energy used in the construction of the projects included in the 2035 Build scenario. The indirect energy value of the 2035 No-Build scenario is zero; therefore, it is not possible to compute the percentage difference between the two scenarios.

Indirect vehicle energy was calculated using the Lane Mile Approach as described in *Subtask 12a: Energy Analysis Guidelines for TIPs and Plans*. As previously mentioned, the two non-exempt signal interconnect projects on the 2014-2018 TIP do not lend themselves to analysis using the lane mile approach. However, seven of the eleven anticipated projects noted in Step #1 (one rehabilitation project, two reconstruction projects, two road widening projects, and two new construction) from the LRTP 2011 Update were included in the indirect energy analysis. The number of lane miles for each project was multiplied by a rate of Construction Energy Consumed per lane mile (from Table 4 of *Subtask 12a*) and the total Construction Energy Consumed, in BTU’s, was calculated. Results of this analysis are shown in Table 3.

Step #7 – CO₂ Emissions Estimates from Direct Energy Consumption

Carbon dioxide (CO₂) is a product of fossil fuel combustion, as well as other processes. It is considered a greenhouse gas, as it traps heat radiated by the Earth into the atmosphere and thereby contributes to the potential for global warming. Carbon dioxide emissions were calculated

as described in *Subtask 12b: Greenhouse Gases (CO₂) Emissions Estimates Guidelines for TIPs and Plans*. The carbon dioxide emissions from direct energy consumption were based on the results calculated previously in Step 5.

Subtask 12b, Table 1 lists Carbon Emission coefficients based on vehicle type. The Direct Energy consumed (by vehicle type) was multiplied by the Carbon Emission Coefficients for both gasoline and diesel engines and then by a factor representing the amount of carbon that is oxidized. This process created a value representing total tons of carbon dioxide emitted. The results can be found in Table 4.

Step #8 – CO₂ Emissions Estimates from Indirect Energy Consumption

The indirect energy consumed as a result of the Build scenario was determined in Step 6 above. *Subtask 12b, Table 1* lists Carbon Emission coefficients based on vehicle type. Similar to Step 7 above, the indirect energy consumed was multiplied by the Carbon Emission Coefficients for diesel vehicles and then by a factor representing the amount of carbon that is oxidized, resulting in the total tons of Carbon emitted. The results can be found in Table 5.

Step #9 – Documentation

A summary of the results of the quantitative analyses is presented in Table 6. These results indicate that the Build scenario of the LRTP 2011 Update and supporting TIP will result in a decrease in VMT and associated decreases in VOC, NO_x, CO, CO₂, and the amount of direct energy used by vehicles in the Syracuse MPA over the No-Build scenario.

Table 1 - Emissions Analysis
SMTC Long-Range Plan 2035 Energy Analysis

Scenario	Daily VMT	VOC (grams)	NO_x (grams)	CO (grams)
2035 No-build	13,362,549	2,779,474	2,124,560	145,650,692
2035 Build	13,379,238	2,781,034	2,127,133	145,817,842
2035 Build with off-model transit and bike/ped assumptions	13,188,220	2,665,464	1,398,932	141,618,417

Table 2 - Direct Vehicle Energy
SMTC Long-Range Plan 2035 Energy Analysis

Scenario	Total VMT	Light Duty Vehicles					
		% of Total	VMT	Fuel Economy*	Fuel Used (gallons)	Direct Energy Consumption (btu)	% Change
2035 no-build	13,362,549	91.94%	12,284,859	20.79	590,902	73,862,791,144	-1.30
2035 build	13,188,220	91.94%	12,124,590	20.79	583,193	72,899,167,986	

Scenario	Total VMT	Medium Trucks					
		% of Total	VMT	Fuel Economy*	Fuel Used (gallons)	Direct Energy Consumption (btu)	% Change
2035 no-build	13,362,549	2.51%	334,955	8.54	39,222	4,902,730,703	-1.30
2035 build	13,188,220	2.51%	330,585	8.54	38,710	4,838,769,068	

Scenario	Total VMT	Heavy Trucks					
		% of Total	VMT	Fuel Economy*	Fuel Used (gallons)	Direct Energy Consumption (btu)	% Change
2035 no-build	13,362,549	5.56%	742,735	6.51	114,091	14,261,425,024	-1.30
2035 build	13,188,220	5.56%	733,045	6.51	112,603	14,075,368,700	

Scenario	Total VMT	All Vehicles					
		% of Total	VMT	Fuel Economy*	Fuel Used (gallons)	Direct Energy Consumption (btu)	% Change
2035 no-build	13,362,549	100.00%	13,362,549	n/a	744,216	93,026,946,871	-1.30
2035 build	13,188,220	100.00%	13,188,220	n/a	734,506	91,813,305,753	

Notes:

*From Table 2 - Fuel Correction Factors NYSDOT Subtask 12a: Energy Analysis Guidelines for TIPs and Plans

2035 Build scenario includes off model transit and bike/ped assumptions.

%of total: Vehicle split was estimated based on aggregating the 27 vehicle types from the 1999 Summer Time Vehicle Distributions Region 3, April, 2004 NYSDOT and then averaging their percentages.

Vehicle Type VMT: Calculated by multiplying the percentage of each vehicle type by the total VMT.

Fuel Used: Calculated by dividing Vehicle VMT by the fuel economy.

Direct Energy Consumption: Calculated by multiplying the rate of 125,000 BTU per gallon by the fuel used .

2035 Build scenario includes off model transit and bike/ped assumptions.

**Table 3 - Indirect Energy
SMTC Long-Range Plan 2035 Energy Analysis**

Roadway Construction Energy Consumed

Project Description*	Type of Improvement	Distance (miles)	Lanes	Lane Miles	Urban / Rural	Constr. Energy per Lane Mile (rate)	Constr. Energy Consumed (BTUs)
Bear Street Extension	New construction (4 lanes)	0.4	4	1.4	Urban	15.24	21,336,000,000
Third Lane of Frontage Road	Widen from 2 to 3 lanes	0.1	1	0.1	Urban	6	600,000,000
Genant Street	New construction (2 lanes)	0.03	2	0.06	Urban	15.24	914,400,000
Girden Road rehabilitation	Rehabilitation	0.6	2	1.2	Urban	2.76	3,312,000,000
Route 31/81 Interchange Improvements	Reconstruction	1.6	1	1.6	Urban	6.24	9,984,000,000
Soule Rd & Rt 31/481 Interchange	Reconstruction	0.3	2	0.54	Urban	6.24	3,369,600,000
Verplank Road	Minor widening	5.6	2	11.2	Rural	2.28	25,536,000,000
TOTAL							65,052,000,000

Projects with no construction

Project Description	Type of Improvement
NYSDOT Bridge Painting	Maintenance
NYSDOT Bridge Clean & Wash	Maintenance

Notes:

**There are four non-exempt projects in the SMTC 2011-2015 TIP but are not included in the above table. The projects listed are included in SMTC's long-range planning and are considered essential transportation projects to service anticipated development,*

Indirect vehicle energy was calculated using the Lane Mile Approach as described in Subtask 12a: Energy Analysis Guidelines for TIPs and Plans. Table 4 of Subtask 12a provides a table that associates a rate of Construction Energy Consumed per lane mile b

Table 4- CO₂ Emissions Estimates from Direct Energy Consumption
SMTC Long-Range Plan 2035 Energy Analysis

Scenario	Direct Energy (BTUs)			Carbon Emission Coefficients *			Metric Tons Carbon Emitted** (100% oxidation)			Total Metric Tons Carbon Emitted***			Total Tons Carbon Emitted****			
	Light Duty Vehicle	Medium Truck	Heavy Truck	Light Duty Vehicle	Medium Truck	Heavy Truck	Light Duty Vehicle	Medium Truck	Heavy Truck	Light Duty Vehicle	Medium Truck	Heavy Truck	Light Duty Vehicle	Medium Truck	Heavy Truck	All Vehicles
2035 no-build	73,862,791,144	4,902,730,703	14,261,425,024	19.34	19.95	19.95	1,429	98	285	1,414	97	282	1,558	107	310	1,976
2035 build	72,899,167,986	4,838,769,068	14,075,368,700	19.34	19.95	19.95	1,410	97	281	1,396	96	278	1,538	105	306	1,950

2035 Build scenario includes off model transit and bike/ped assumptions.

* For this analysis, all Light Duty Vehicles are assumed to use gasoline and all trucks are assumed to use diesel

As per NYSDOT Subtask 12b: Greenhouse Gases (CO2) Emissions Estimates Guidelines for TIPs and Plans:

** Metric Tons C emitted (assuming 100% oxidation) = Total direct energy for roadway projects (BTUs) x Carbon emission coefficient (10⁶ metric tons of Carbon/10¹⁵ BTU)

*** a small portion (1%) of total carbon does not oxidize during combustion

**** 1 metric ton = 1.102 tons

Difference: 2035 no-build minus build -26

Table 5 - CO₂ Emissions Estimates from Indirect Energy Consumption
SMTC Long-Range Plan 2035 Energy Analysis

Scenario	Indirect Energy (BTUs)	Carbon Emission Coefficient	Metric Tons Carbon Emitted	Total Metric Tons Carbon Emitted	Total Tons Carbon Emitted
2035 build	65,052,000,000.00	19.95	1,297.79	1,284.81	1,415.86

Table 6 - Summary

SMTC Long-Range Plan 2035 Energy Analysis

		Air Pollution Emissions			Energy		Greenhouse Gas (CO ₂) Emissions	
Scenario	VMT	VOC g/day	NO _x g/day	CO g/day	Direct (BTUs)	Indirect* (BTUs)	Direct (tons)	Indirect (tons)
2035 No-Build	13,362,549	2,779,474	2,124,560	145,650,692	93,026,946,871	0	1,976	0
2035 Build (with off-model assumptions)	13,188,220	2,665,464	1,398,932	141,618,417	91,813,305,753	65,052,000,000	1,950	1,416
Change (Build - No Build)	-174,329	-114,011	-725,628	-4,032,276	-1,213,641,118	--	-26	--
Percent Change (Build - No Build)	-1.30%	-4.10%	-34.15%	-2.77%	-1.30%	--	-1.30%	--

** The intent of the indirect energy and greenhouse gas calculations was to measure the impact of the construction of the projects in the SMTC Long-Range Plan. The indirect energy used in the 2035 No-Build scenario is zero (as is the greenhouse gas emissi*