

SFY 2018-2019 Unified Planning Work Program (UPWP)

The Annual Program of Federally-funded
Transportation Planning Projects in Dutchess County



Disclaimer

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Title VI Statement

The Dutchess County Transportation Council (DCTC) is committed to compliance with Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, and all related rules and statutes. DCTC assures that no person or group(s) of persons shall, on the grounds of race, color, age, disability, national origin, gender, or income status, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under all programs, services, or activities administered by the DCTC, whether those programs and activities are federally funded or not. It is also the policy of the DCTC to ensure that all its programs, polices, and other activities do not have disproportionate adverse effects on minority and low income populations. Additionally, the DCTC will provide meaningful access to services for persons with Limited English Proficiency.

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1. Background

The Dutchess County Transportation Council (DCTC) serves as the designated Metropolitan Planning Organization (MPO) for Dutchess County. In accordance with the provisions set forth in the current federal transportation law – the Fixing America’s Surface Transportation (FAST) Act – and 23 U.S.C. 134 and 49 U.S.C. 5303, the DCTC (hereinafter referred to as the “Transportation Council”) is tasked with carrying out a cooperative and comprehensive multimodal transportation planning process in Dutchess County.

Federal transportation law requires that a U.S. Census-designated Urbanized Area be represented by an MPO, which is responsible for ensuring that federal highway and transit dollars are committed through a locally driven, comprehensive planning process. The Transportation Council provides a forum for state and local officials to coordinate transportation issues and reach consensus on transportation plans and funding for transportation projects. The Transportation Council strives to ensure that federally funded projects are the products of a credible planning program, meeting the goals and priorities of the metropolitan area.

The Transportation Council develops three core products as part of the metropolitan transportation planning process:

- **Metropolitan Transportation Plan (MTP)** – the long-range multimodal transportation plan for Dutchess County. The MTP is updated every five years and addresses at least a 20-year planning horizon. The current MTP, *Moving*

Dutchess 2, was adopted with an effective date of April 1, 2016, and uses a planning horizon year of 2040. The MTP recommends policies and projects to build and maintain a transportation system that promotes the safe and efficient movement of people and goods in a sustainable manner.

- **Transportation Improvement Program (TIP)** – the prioritized listing of federally funded transportation projects in Dutchess County, covering a period of no less than four years. The TIP implements the recommendations from the MTP and provides information on funding sources, schedules, and responsible agencies for programmed highway, transit, bicycle, and pedestrian projects. The Transportation Council adopted the current Federal Fiscal Year (FFY) 2017-2021 TIP in 2016.
- **Unified Planning Work Program (UPWP)** – the statement of work identifying the federally funded planning activities to be carried out by the Transportation Council. The UPWP includes descriptions of planning tasks and resulting products, a schedule for completing tasks, the cost of the work, sources of funds, and the organization(s) performing each task. The Transportation Council updates the UPWP annually.

2. Transportation Council Organization

The Transportation Council, acting as the local MPO decision-making body, is comprised of 16 voting members. Membership on the Transportation Council is based on a municipality’s urbanized area classification, with the urbanized

cities and towns serving as permanent voting members and the remaining towns and villages serving on a rotating basis or as nominated by the Dutchess County Supervisors and Mayors Association.

In addition, Dutchess County, the New York State Department of Transportation (NYSDOT), and the Metropolitan Transportation Authority (MTA) serve as voting members on the Transportation Council, while the Federal Highway Administration (FHWA), Federal Transit Administration (FTA), New York State Bridge Authority (NYSBA), and Dutchess County Department of Planning and Development, Department of Public Works, and Division of Public Transit serve as non-voting advisory members. Figure 1 shows the Transportation Council's membership structure.

The Transportation Council is assisted by a Planning Committee that reviews documents and plans prior to Council action. The Planning Committee is responsible for providing agency, municipal, and public input during the development of the MTP, TIP, UPWP, and other Transportation Council products. Membership on the Planning Committee is open to all municipalities in Dutchess County and partner agencies.

Day-to-day Transportation Council activities are performed by staff hosted by the Dutchess County Department of Planning and Development. This includes content development of the MTP, TIP, UPWP, and local transportation plans and projects. NYSDOT-Region 8 assists with TIP maintenance, including processing changes through the eSTIP program. The Dutchess County staff section includes a Transportation Program

Administrator, Senior Planner, and Junior Planner.

3. Supporting Documents

The Transportation Council relies on several agreements to carry out the federally prescribed metropolitan transportation planning process in Dutchess County:

- NYSDOT-DCTC Master Agreement (effective November 19, 1982): this is the original agreement between NYSDOT and Dutchess County that established the Transportation Council and identified the Transportation Council's responsibilities and procedures for seeking reimbursement for MPO related expenses.
- NYSDOT-DCTC Supplemental Agreement (effective December 27, 2005): this amended the original Master Agreement to coincide with the period covered by the Safe, Accountable, Flexible, Efficient Transportation Equity Act-A Legacy for Users (SAFETEA-LU).
- Mid-Hudson Valley TMA Memorandum of Understanding (effective March 7, 2006): this provides a common understanding and structure for the continuing coordination and communication among the MPOs responsible for the Mid-Hudson Valley TMA: DCTC, Orange County Transportation Council (OCTC), and Ulster County Transportation Council (UCTC).
- Air Quality Conformity Memorandum of Understanding (effective August 20, 2010): this MOU established the planning process for determining air quality conformity for the Poughkeepsie Ozone Non-attainment Area, which the

Figure 1. Transportation Council Membership

<p><u>Permanent Voting Members</u></p> <p>Dutchess County Executive (Permanent Chairperson) NYSDOT Commissioner Metropolitan Transportation Authority Chairman and CEO City of Beacon Mayor City of Poughkeepsie Mayor Town of Beekman Supervisor Town of East Fishkill Supervisor Town of Fishkill Supervisor Town of Hyde Park Supervisor Town of LaGrange Supervisor Town of Poughkeepsie Supervisor Town of Wappinger Supervisor</p> <p><u>One Member from the Partially Urbanized Towns (rotating)</u></p> <p>Town of Pawling Supervisor² Town of Pleasant Valley Supervisor Town of Union Vale Supervisor</p> <p><u>One Member from the Urbanized Villages (rotating)</u></p> <p>Village of Fishkill Mayor² Village of Pawling Mayor Village of Wappingers Falls Mayor</p>	<p><u>Two Members from the Non-Urban Towns and Villages¹</u></p> <p>Town of Amenia Supervisor Town of Clinton Supervisor² Town of Dover Supervisor Town of Milan Supervisor Town of North East Supervisor Town of Pine Plains Supervisor² Town of Red Hook Supervisor Town of Rhinebeck Supervisor Town of Stanford Supervisor Town of Washington Supervisor Village of Millbrook Mayor Village of Millerton Mayor Village of Red Hook Mayor Village of Rhinebeck Mayor Village of Tivoli Mayor</p> <p><u>Non-Voting Members</u></p> <p>Federal Highway Administration Federal Transit Administration NYSDOT Regional Director (Permanent Secretary) NYS Bridge Authority Director Dutchess County Department of Planning & Development Dutchess County Department of Public Works Dutchess County Division of Public Transit</p>
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¹ As nominated by the Dutchess County Supervisors and Mayors Association.

² Currently serving members.

Transportation Council once shared with the New York Metropolitan Transportation Council (NYMTC) and OCTC. On July 20, 2013, the EPA identified Dutchess County as being in attainment for the 2008 ozone air quality standard of 0.075 parts per million (ppm). Recent air quality data indicates that Dutchess will reach attainment for the stricter 2015 ozone standard of 0.070 ppm; the EPA will likely make its final designations in 2018.

- DCTC Written Agreement (effective March 16, 2011): this identifies the roles, responsibilities, and cooperative procedures for carrying out the metropolitan transportation planning process in Dutchess County, as agreed to by the Transportation Council, Dutchess County, City of Poughkeepsie, NYSDOT, MTA/Metro-North Railroad, and NYS Bridge Authority.
- NYSDOT-DCTC Host Agency Agreement (effective April 1, 2012): this reauthorized the host agency relationship between Dutchess County and NYSDOT and provided a ten-year schedule for funding the Transportation Council through SFY 2021-2022.
- DCTC Public Participation Plan (effective January 1, 2015): this establishes the framework for public involvement during the development of the MTP, TIP, and UPWP and outlines standard public participation activities.
- DCTC Bylaws (effective January 1, 2015): this establishes the roles, responsibilities, and structure of the Transportation Council, including its voting membership, meeting protocols, decision-making process, and procedures for adding new and changing existing transportation projects on the TIP. The Bylaws codify

voting membership based on the 2010 Census-defined Urbanized Area. The Bylaws were modified in 2016 to allow for written ballots.

4. Transportation Management Area (TMA)

In addition to carrying out the metropolitan transportation planning process within Dutchess County, the Transportation Council also addresses regional transportation needs through its participation in the Mid-Hudson Valley Transportation Management Area (TMA). The TMA is a federal designation used to classify Urbanized Areas with populations of 200,000 or more. The Poughkeepsie-Newburgh NY-NJ Urbanized Area, with a population of over 423,000, includes parts of Dutchess, Orange, and Ulster Counties in New York, and Passaic County in New Jersey (see Figure 2). Figure 3 shows the portion of the Poughkeepsie-Newburgh NY-NJ Urbanized Area in Dutchess County and the MPO Adjusted Urbanized Area Boundary.

The Orange County Transportation Council (OCTC) and Ulster County Transportation Council (UCTC) manage the metropolitan transportation planning processes for their respective counties, while the North Jersey Transportation Planning Authority (NJTPA) is responsible for metropolitan planning for northern New Jersey including Passaic County.

The TMA classification requires that the MPOs jointly disburse FTA Section 5307 (Urbanized Area) and Section 5339 (Bus and Bus Facilities) transit funding, and undergo an in-person federal certification review every four years. The TMA underwent its most recent federal certification in 2017, with

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Figure 2. Mid-Hudson Valley Transportation Management Area (TMA)

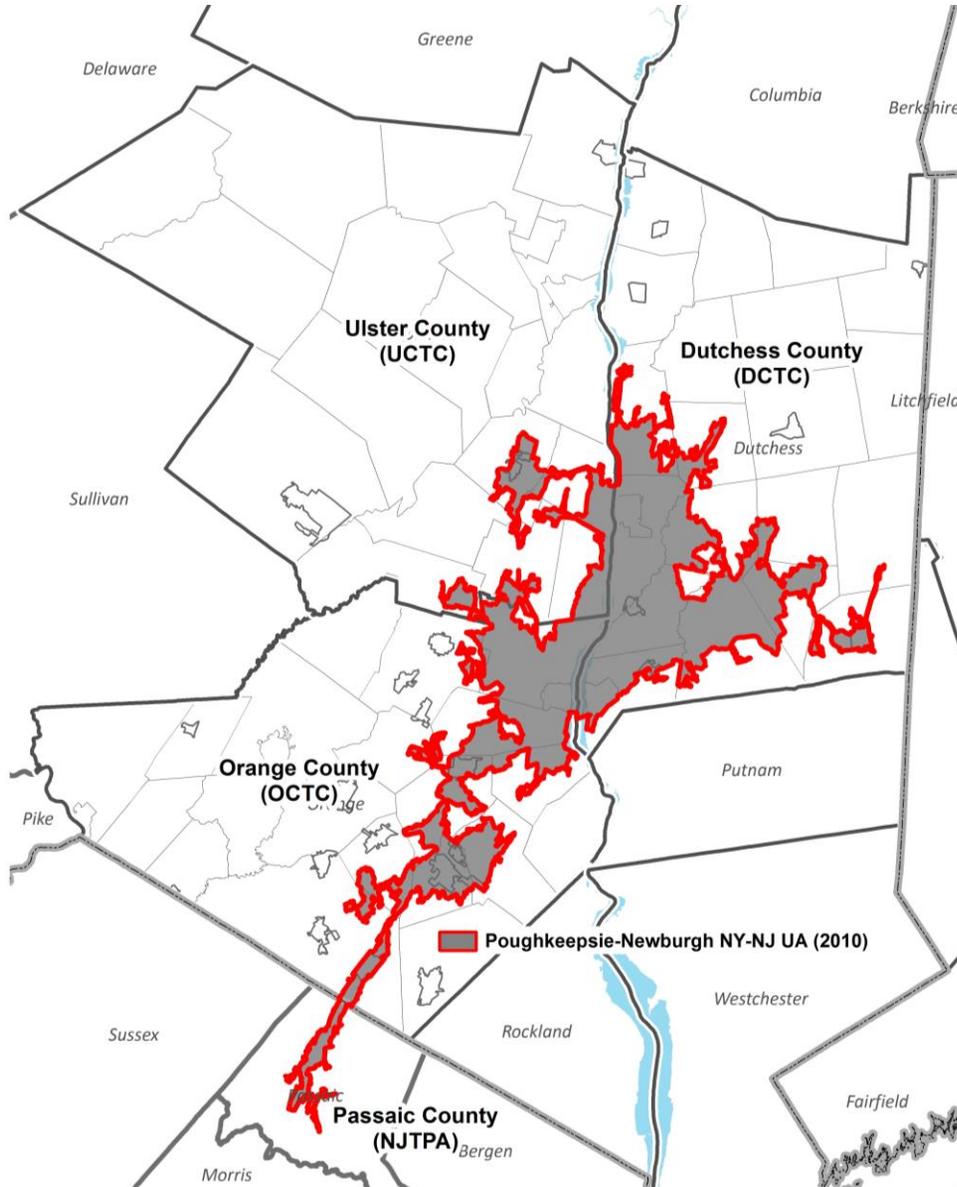
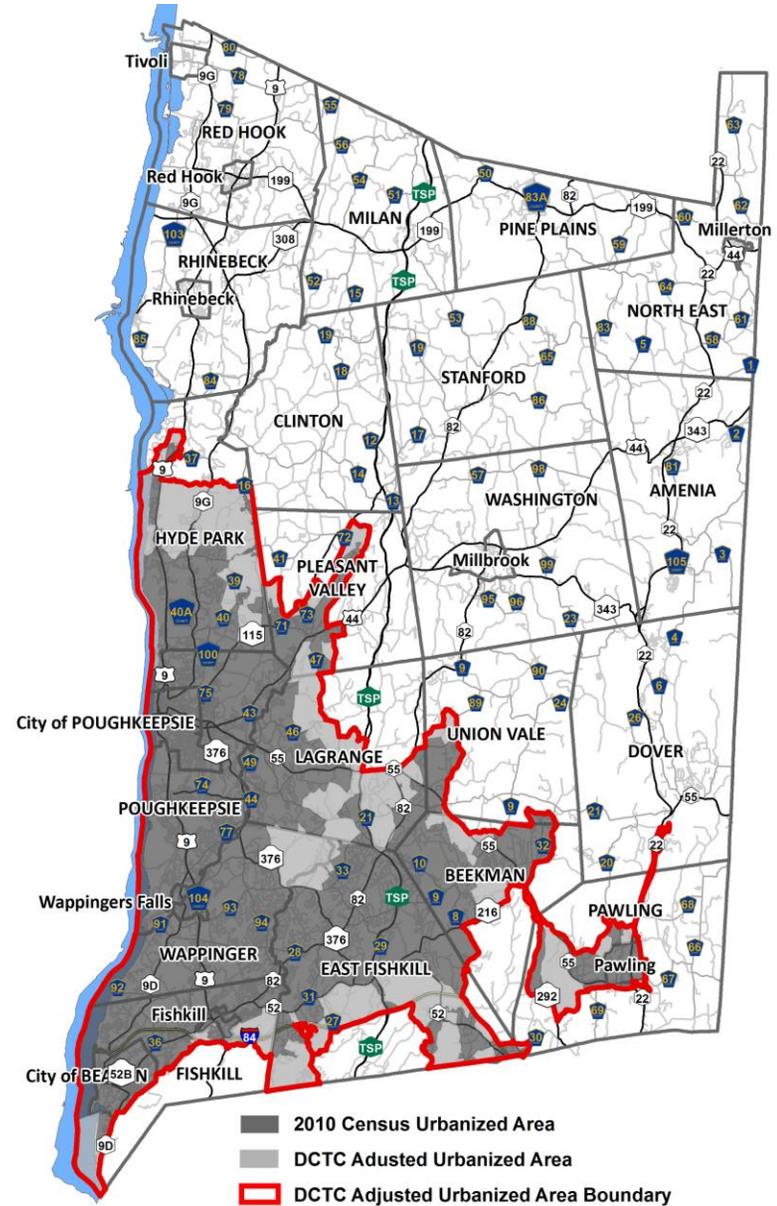


Figure 3. DCTC Adjusted Urbanized Area



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the final certification report to be issued in 2018. TMAs are also required to develop a Congestion Management Plan (CMP) to identify strategies to reduce traffic congestion and improve operations.

5. 2017-2018 Program Accomplishments

The Transportation Council worked with its member agencies, local communities, and various stakeholders on a variety of short and long-range transportation planning initiatives and activities during the 2017-2018 program year. The list below highlights some of those accomplishments:

- Completed the [Village of Millerton Pedestrian Plan](#), which identifies ways to improve pedestrian access and safety in the Village center. The Pedestrian Plan establishes a vision for creating a more walkable, pedestrian-friendly Village. The Millerton Pedestrian Plan includes an inventory of sidewalks and other infrastructure, and a series of prioritized recommendations. The Pedestrian Plan was developed in coordination with a volunteer task force made up of members from the Village of Millerton and Town of North East.
- Completed substantial work on a [Downtown Parking Improvement Plan for the City of Poughkeepsie](#). The Parking Plan will help ensure that the City's parking system is operated and managed efficiently and effectively, consistent with the City's redevelopment goals for the downtown. The Parking Improvement Plan includes an inventory of available on-street and off-street parking capacity, both public and private, and an analysis of actual

parking usage and payment compliance. The Plan provides a prioritized implementation strategy to improve parking operations under existing conditions and with planned future development.



The Downtown Poughkeepsie Parking Improvement Plan used a variety of tools to gather public feedback on existing parking conditions, including a mobile workshop held on Market Street in the City of Poughkeepsie.

- Conducted a [Safety Assessment \(SA\) of the intersection of Main St./Worrall Ave./Innis Ave.](#) in the City of Poughkeepsie. The SA, which is based on FHWA's Road Safety Audit (RSA) process, supports the Transportation Council's goal to improve transportation safety at high crash locations in Dutchess County. The SA outlined a number of opportunities to improve safety at the intersection, with a focus on low-cost, short-range improvements and, as feasible, more expensive longer-range improvements.



In 2017, Transportation Council staff worked with local highway and law enforcement agencies to conduct a Safety Assessment of the Main St./Worrall Ave./Innis Ave. intersection in the City of Poughkeepsie.

- In coordination with the Dutchess County Department of Public Works and the Cornell Local Roads Program (CLRP), completed the first full round of a pavement scoring program for all local roads (i.e. county, city, town, and village roads) in Dutchess County. This initiative, which relied on summer interns from the Cornell Asset Management Program (CAMP) program, provides municipalities with an objective and uniform Pavement Condition Index (PCI) rating for all paved roads. The PCI rating enables local officials to track road conditions over time, prioritize limited maintenance funds, and develop capital programs to maintain and improve road conditions. The first phase, completed in 2016, assessed local pavement quality in 17 municipalities, while the second

phase, completed in 2017, assessed pavement quality across the remaining 13 municipalities.

- Completed the 2017 traffic count program, collecting volume, vehicle classification, and speed data at 230 locations across the county. The 2017 count program also deployed video technology to count walkers and bikers at 16 locations throughout the county, including the William R. Steinhaus Dutchess Rail Trail, the Harlem Valley Rail Trail, and various sidewalks and crosswalks.



The 2017 Traffic Count Program collected volume, classification, and speed data on a variety of local roads in Dutchess County, including CR 14 (Hollow Rd.) in the Town of Clinton above.

- Completed the second annual analysis of speeding patterns on County and local roads, based on data collected from the annual traffic count program. This analysis identifies road segments with high percentages of 'high-end' speeders: defined by staff as those travelling more than 10 mph over the posted speed limit. By

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highlighting road segments with high-end speeding, the Transportation Council seeks to assist elected officials, law enforcement agencies, and highway departments with their efforts to target speed enforcement, implement traffic calming measures, and allocate resources to reduce speeding and improve traffic safety.

- Completed a Complete Streets analysis of Beekman Street in the City of Beacon, identifying ways to improve bicycle and pedestrian access between the Beacon train station and Main Street.
- Continued to lead the County's inter-departmental Complete Streets Committee, to include the continuation of the County's traffic safety education campaign, [Watch Out For Me](#). Also supported the use of the County's Complete Streets checklist, which evaluates proposed projects under County jurisdiction for review.



In 2017, the Transportation Council worked closely with partner agencies to design and install pedestrian safety awareness signs on County transit vehicles.

- Assisted the Dutchess County Division of Public Transit and City of Poughkeepsie in the successful transition to a single public bus system in the county.
- Completed major updates to the Transportation Council's online [TIP Viewer](#) application and [Bicycle Parking Finder](#) map.
- Unanimously approved a resolution endorsing NYSDOT safety performance measures and targets, and agreeing to program projects that help meet those targets. Also approved a resolution supporting performance measure targets for Dutchess County Public Transit and the Metropolitan Transportation Authority.
- In conjunction with OCTC and UCTC, issued an RFP for a Mid-Hudson Valley Regional Transit Study.

In addition to these planning accomplishments, the Transportation Council hired a new Junior Planner, bringing it to full staff, and officially renamed itself the Dutchess County Transportation Council (DCTC) effective April 1, 2017.

6. 2018-2019 UPWP Overview

The 2018-2019 Unified Planning Work Program (UPWP) identifies the federally funded planning activities to be carried out by the Transportation Council for the period between April 1, 2018 and March 31, 2019 (the State Fiscal Year). The UPWP serves as the Transportation Council's annual statement of work and includes a variety of planning activities that address ongoing and emerging issues related to maintaining and improving the region's transportation system

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and overall quality of life. The Transportation Council has identified the following planning objectives for the 2018-2019 program year:

- Address any corrective actions or recommendations resulting from the 2017-18 federal certification review of the TMA, to include an update of the TMA's Congestion Management Plan (CMP).
- Continue to implement planning recommendations from the Metropolitan Transportation Plan (MTP), [Moving Dutchess 2](#), and progress recommended projects with available funding.
- Initiate a review of county and local projects in the current FFY 2017-2021 Transportation Improvement Program (TIP), using a TIP questionnaire developed by OCTC. The results of this review will assist the Transportation Council in developing the upcoming FFY 2020-2024 TIP in spring 2019.
- Complete a Sidewalk Inventory and Improvement Plan for the Village of Pawling, modelled after similar planning efforts in Rhinebeck, Hyde Park, Pine Plains, Arlington, and Millerton. The Pawling Pedestrian Plan will identify ways to improve safety and access in the village center.
- Complete the third round of County and local pavement monitoring to assess the conditions of local roads in Dutchess County. This program will again use the Cornell Asset Management Program (CAMP) to assist DCDPW staff with assessing pavement conditions for municipalities.

- Assist various communities with their local transportation planning needs, to include an update of the [CR 71 \(West Rd.\) Sidewalk Feasibility Study](#) for the Town of Pleasant Valley and a potential Complete Streets review of Route 9 (Broadway) in the Village of Red Hook.



Based on possible changes to nearby land uses and new local planning priorities, the Transportation Council will revisit its 2010 sidewalk feasibility study of CR 71 (West Rd.) in the Town of Pleasant Valley. The update will reassess existing conditions and review the study's previous recommendations to improve pedestrian access in the area.

- Complete the 2018 traffic count program, collecting volume, vehicle classification, and speed data at approximately 250 locations throughout the county.
- Complete the third annual analysis of speeding patterns on county and local roads. Based on data collected from the annual traffic count program, the analysis will identify road segments with high percentages of 'high-end' speeders.

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- Conduct a Safety Assessment (SA) of one or more high-crash corridors or intersections identified in the MTP or as proposed by Transportation Council members.
- In conjunction with the County's Complete Streets Committee, expand the public safety campaign to increase awareness of walking and bicycling safety issues in Dutchess County.
- Assist Dutchess County Public Transit with implementing recommendations from recent transit planning activities.
- In conjunction with OCTC and UCTC, progress the Regional Transit Study for the Mid-Hudson Valley TMA.

In addition to these planning objectives, the Transportation Council will relocate its offices to a new location in the City of Poughkeepsie in 2018.

7. Funding Overview

The Transportation Council relies on federal planning funds to carry out the metropolitan transportation planning process. These funds – allocated on an annual basis and programmed through the Transportation Council's UPWP – stem from two primary sources: the Federal Highway Administration (FHWA) Planning Program (PL) and Federal Transit Administration (FTA) Section 5303 Metropolitan Planning Program (MPP).

Federal planning funds are authorized through each federal surface transportation authorization, the most recent being the Fixing America's Surface Transportation (FAST) Act, and 23 U.S.C. 134 and 49 U.S.C. 5303. For the SFY 2018-2019 program

year, the FAST Act's federal allocations for New York State are estimated to total over \$31.7 million.

Federal planning funds, like most other federal transportation programs, are administered through NYSDOT on a reimbursement basis. The Transportation Council (through its host agency relationship with Dutchess County) must first perform the planning work, after which it is reimbursed for the federal share of the activity. Transportation Council staff, housed under the Dutchess County Department of Planning and Development, administers UPWP activities and submits quarterly reimbursement requests and activity reports to NYSDOT.

FHWA (PL) Funds

NYSDOT, in consultation with the State's 14 MPOs, distributes the statewide apportionment of PL funds through a FHWA approved formula. In developing the formula, NYSDOT considers various factors such as population, lane miles, and agreed upon set-asides. In New York, the formula includes four steps:

1. Set-aside funds for Shared Cost Initiatives (SCIs) – planning tasks of statewide significance – are reserved prior to the formula distribution of funds. For SFY 2018-2019, this set-aside totals \$150,000 statewide.
2. Each MPO is then provided an equal base allocation of PL funds to ensure an adequate funding level regardless of size. For SFY 2018-2019, this totals \$200,000 per MPO.
3. NYSDOT then distributes 20 percent of PL funds

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proportionally to MPOs in TMAs, based on their total population and lane miles. For the DCTC, this equals \$50,073 for SFY 2018-2019.

4. The fourth step distributes the remaining funds to all the MPOs, again proportionally by total population and lane miles. For the DCTC, this totals \$291,403 for SFY 2018-2019.

The formula is required to be reviewed and revised as applicable after each decennial Census. It is also updated when there are significant changes in federal law or when there is a change in the number of MPOs. Based on the NYSDOT formula, the Transportation Council's 2018-2019 UPWP FHWA PL funding estimate totals \$540,527.

FTA (MPP) Funds

FTA planning funds are secured annually through the Section 5303 Metropolitan Planning Program (MPP) and distributed using a similar formula that NYSDOT applies to FHWA PL funds, except that lane mileage is not used. Based on the NYSDOT formula, the Transportation Council's FTA MPP funding estimate for SFY 2018-2019 is \$125,380.

State & Local Match

As required by most federal transportation programs, a non-federal match of 20 percent is required for the federal planning funds outlined in the UPWP. NYSDOT provides a 15 percent match, while Dutchess County provides a five percent local match. The State match for PL funding is met through toll

credits: revenues generated by toll authorities (toll receipts and bonds) that are used to build and maintain highways and bridges that serve interstate commerce in New York State. The NYSDOT match for MPP funding is provided through in-kind services.

Carryover Funds

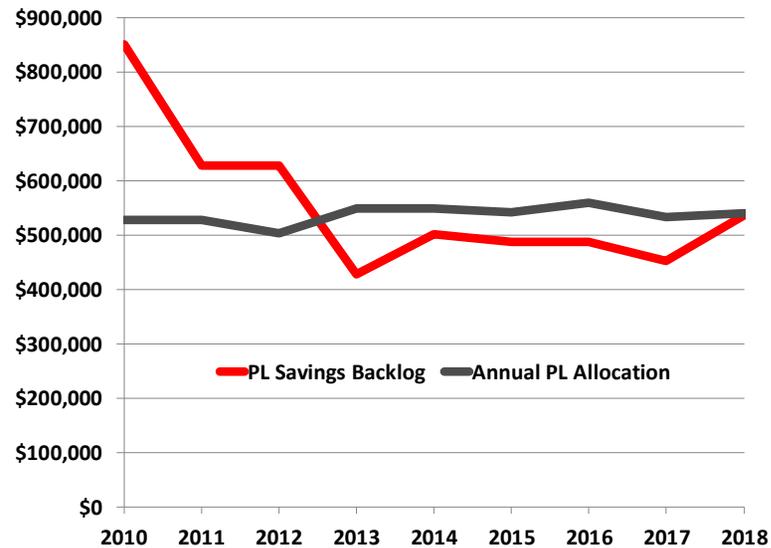
In addition to its annual federal funding allocation, the Transportation Council has \$536,671 in FHWA (PL) funding available from previous program budgets (i.e. savings backlog). This amount does not include yet-to-be determined savings from the previous 2017-2018 program year. The unexpended funds are available for programming as needed. The Transportation Council will program \$270,000 of these funds for the 2018-2019 program year; these funds will support projects that require additional staff support from the Dutchess County Department of Planning & Development, other County Departments such as the Office for Computer Information Systems (OCIS) and Dutchess County DPW, or private consultant services.

The total remaining unexpended balance of \$266,671 will be reserved for future projects as appropriate and work needed to implement planning requirements in the Fixing America's Surface Transportation (FAST) Act. The Transportation Council expects a large share of its savings backlog to be spent down within the next three program years, likely by the end of SFY 2020-2021. However, the Transportation Council intends to keep some backlog funds in reserve to make up for any future rescissions. The Council's average annual backlog since 2010 is

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approximately \$556,000 or about one-year's PL allocation. Figure 4 below shows the Transportation Council's starting FHWA PL backlog since the SFY 2010-2011 UPWP.

Figure 4. DCTC FHWA (PL) Savings Backlog (2010-2018)



The Transportation Council does not anticipate any carryover funds from FTA Grant NY-80-X027 and expects all FTA funding allocations for FTA Grant NY-80-X028 to be expended during the 2018-2019 program year.

Total Funding

Based on its annual allocation of federal funds and the use of carryover funds, the Transportation Council has programmed \$935,907 in federal funds for SFY 2018-2019: \$810,527 in FHWA (PL) and \$125,380 in FTA (MPP) funds. Table 1 shows the overall funding amounts programmed in 2018-2019.

8. National & Statewide Organizations

The Transportation Council participates in a number of planning organizations that benefit the local metropolitan planning process. These organizations allow Transportation Council staff to better share information and resources with other MPOs, and in turn, integrate best practices into the local planning program.

Association of Metropolitan Planning Organizations (AMPO)

AMPO serves as the national association for MPOs, ensuring that MPOs are aware of and considered in the development of national transportation policy. AMPO provides a discounted dues structure with a single payment for statewide MPO associations (e.g. the New York State Association of MPOs). For 2018-2019, the dues total \$41,292 for the NYSMPOs combined, which will be processed by the Binghamton Metropolitan Transportation Study (BMTS). The Transportation Council will support the AMPO through a \$949 allocation of FHWA (PL) funds, deducted by NYSDOT from the Transportation Council's 2018-2019 program allocation.

New York State Association of MPOs (NYSAMPO)

NYSAMPO serves as the statewide coalition where the 14 NYS MPOs collaborate on mutually beneficial activities, such as sharing information through topic specific working groups and completing statewide planning studies.

1. NYSAMPO Staff Support: NYSAMPO is supported by a

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Table 1. Available DCTC UPWP Funds for State Fiscal Year (SFY) 2018-2019

	Federal	Match		Total
		Dutchess County (5%)	NYS DOT (15%) ³	
FHWA (PL) Funds				
2018-2019 Allocation ¹	\$540,527	\$33,783	\$101,349	\$675,659
Previous Savings ²	\$536,671	\$33,542	\$100,626	\$670,839
Total Available	\$1,077,198	\$67,325	\$201,975	\$1,346,498
2018-2019 Program Budget	\$810,527	\$50,658	\$151,974	\$1,013,159
Unprogrammed Balance	\$266,671	\$16,667	\$50,001	\$333,339
FTA (MPP) Funds				
2018-2019 Allocation ¹	\$125,380	\$7,836	\$23,509	\$156,725
2018-2019 Program Budget	\$125,380	\$7,836	\$23,509	\$156,725
Total Funds				
2018-2019 Program Budget	\$935,907	\$58,494	\$175,483	\$1,169,884

¹ Estimate of allocated FHWA (PL) and FTA (MPP) funds for SFY 2018-2019 (as of November 3, 2017).

² Unprogrammed balance (PL funds only) from previous years (as of November 24, 2017). This balance may change upon reconciling the DCTC's SFY 2017-2018 UPWP budget.

³ NYS DOT match for FHWA (PL) funds provided through toll credits, while FTA (MPP) match provided through in-kind services.

consultant that provides administrative support for the Association, including organizing and documenting MPO director meetings and facilitating working group meetings. For 2018-2019, the Transportation Council will participate in the following working groups: safety, bicycle and pedestrian, climate change, freight, GIS, traffic management, travel modeling, and transit. The contract will be administered by the Capital District Transportation Council (CDTC) and total \$250,000 for 2018-2019, with \$150,000 coming from the NYSDOT 2018-2019 PL set-aside and \$100,000 coming from NYSDOT Statewide Planning and Research (SPR) funds.

2. NYSAMPO Staff Training: NYSAMPO will provide relevant training and professional development opportunities for the staffs and member agencies of the NYS MPOs. The contract will be administered by the Genesee Transportation Council (GTC) and total \$92,513 in FHWA PL funds, \$3,076 in FTA MPP funds, and \$769 in NYS in-kind services.
3. Shared Cost Initiatives: NYSAMPO and NYSDOT routinely pool a portion of their federal metropolitan planning funds to undertake planning tasks of statewide significance. These projects, known as Shared Cost Initiatives (SCI), are funded through a combination of FHWA and FTA planning funds and NYSDOT SPR funds, depending on the subject and sponsor. The MPOs and NYSDOT jointly identify potential tasks, reach consensus on priorities, and develop a scope of work for each selected task. Most projects are undertaken by a consultant under contract with an MPO or NYSDOT.

9. Statewide & Regional Planning Initiatives

The Transportation Council routinely participates in a variety of statewide and regional planning initiatives that directly or indirectly impact Dutchess County and the Mid-Hudson Valley TMA.

Statewide Planning & Research (SPR) Projects

NYSDOT receives funds from FHWA under the State Planning and Research Program (SPR). NYSDOT's SPR Program is used to support strategic planning and research needs. NYSDOT typically programs SPR funds for planning projects that may affect one or more MPO areas. For those SPR projects that are located in a metropolitan area, the affected MPO includes the project in their UPWP for information only. Though there are no DCTC-specific SPR projects in SFY 2018-2019, NYSDOT is pursuing statewide SPR funded projects that will benefit the Transportation Council in carrying out its metropolitan transportation planning process (SPR # and funding amount shown in parenthesis):

1. National Household Travel Survey (NHTS) (#C-10-54) (\$6.5 million).
2. Statewide Coordination of Metropolitan Planning Programs (#C-17-56) (\$100,000).
3. Highway Oversize/Overweight Credentialing System (HOOCs) (#C-13-57) (\$5 million).
4. Program and Project Management Software and Training (#C-13-59) (\$6.15 million).

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5. New York State Freight Transportation Plan (#C-14-51) (\$1.3 million).
6. Program and Project Management Software and Training (#C-14-53) (\$1.85 million).
7. Global Inc. Trend Data, Analysis, and Forecasts (#C-14-54) (\$2 million).
8. Transfer of Development Rights (TDR) Toolbox for New York Municipalities (#C-14-60) (\$105,045).
9. Technical Support for Use of National Performance Management Research Data (NPMRDS) (#C-14-61) (\$884,068).
10. Roadway Inventory Data and Performance Measure Enhancements (#C-14-62) (\$400,000).
11. Short Count Traffic Count Program (#C-14-63) (\$7.65 million).
12. Bus Safety Inspection System (BusNET) (#C-15-54) (\$2 million).
13. Pavement Condition Data Collection (#C-17-53) (\$20.5 million).
14. Traffic Count Program Zone 1 (#C-16-51) (\$2.525 million).
15. Highway Work Permit - New System Development (#C-17-51) (\$1.2 million).
16. Improvement of Safety Management System Planning and Implementation (#C-17-52) (\$3.5 million).
17. Asset and Project Trade-off Analysis Software Tool (#C-17-57) (\$600,000).
18. Implementation of a System of Engagement (SoE) (#C-17-58) (\$4.125 million).
19. Traffic Data System (#C-17-59) (\$2.5 million).
20. Mid-Hudson Valley TMA Regional Transit Study (\$262,607).

Other Regional Transportation Planning Studies

The Transportation Council will participate in related studies by other agencies that may affect the transportation system in and around Dutchess County, including work on the NYSDOT High Speed Rail Empire Corridor and implementation of the Mid-Hudson Regional Sustainability Plan. The Transportation Council will also review any relevant documents produced for other regional projects as needed.

10. Consultant & Inter-Departmental Support

The Transportation Council will use consultant and inter-departmental services to assist with the following tasks during the 2018-2019 program year: Downtown Poughkeepsie Parking Improvement Plan (final project tasks), 2018 Traffic Count Program, Pavement Condition Monitoring Program, maintenance of the online TIP Viewer and Bicycle Parking Finder, and the County's pedestrian and bicycle safety awareness campaign. Maintenance support for the Transportation Council's TransCAD software program (one standard license) is also included as a consultant cost. Consultant and inter-departmental funds are distributed across the following tasks:

1. Data Development and Analysis

- Annual Traffic Count Program: \$74,700 (FHWA)
- Pavement Condition Monitoring Program: \$10,000 (FHWA)
- TIP Database/GIS Portal and Bicycle Parking Map Application Maintenance: \$5,700 (FHWA)

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2. Long-Range Transportation Planning (System)
 - TransCAD Annual Maintenance: \$1,200 (FHWA)
3. Long-Range Transportation Planning (Project)
 - Downtown Poughkeepsie Parking Improvement Plan: \$50,000 (remainder of 2017 contract) (FHWA)
 - Traffic Safety Education Campaign: \$10,000 (FHWA)

The Transportation Council includes a 20 percent contingency for its contract budget line in order to account for possible cost overruns or project add-ons. For the 2018-2019 program year, this totals \$30,140 in FHWA PL funds.

11. Planning Emphasis Areas (PEAs)

At the discretion of USDOT, a Planning Emphasis Area (PEA) may be jointly established by FTA and FHWA to advance national goals as prescribed by federal law, to reflect FTA and FHWA priorities, or to respond to congressional direction via the appropriations process. PEAs are intended to highlight subjects that should be addressed in FTA and FHWA funded planning programs such as the one carried out by the Transportation Council. PEAs are designed to encourage the application of planning assistance to studies addressing national goals and priorities in addition to goals and priorities directly benefiting local transportation operations or otherwise serving state and local needs. FHWA and FTA have identified five PEAs for MPOs:

1. Coordination of Non-Emergency Human Service Transportation (44.26.12)
2. Participation of Transit Operators in Metropolitan and

- Statewide Planning (44.26.13)
3. Planning for Transit Systems Management and Operations to Increase Ridership (44.26.14)
4. Support Transit Capital Investment Decisions Through Effective Systems Planning (44.26.15)
5. Transportation Planning Safety and Security planning (44.26.16)

FHWA and FTA have requested that MPOs include tasks in their UPWPs that support these PEAs. The Transportation Council will pursue these PEAs with the goals of advancing implementation of the FAST Act, promoting regional cooperation, and improving the public's access to essential services. The PEA tasks are listed under the Planning Emphasis Areas (44.26.00) project category (i.e. TL 70-series time codes) in Section 12.

2018-2019 Unified Planning Work Program (UPWP)

12. 2018-2019 UPWP Tasks

Tasks in the 2018-2019 UPWP are organized under FTA Activity Line Item (ALI) headings (e.g. 44.21.00) and then listed individually using “TL” codes. The Transportation Council uses the “TL” codes to track staff hours through the Dutchess County time accounting system. Each task is listed below and described in detail in the following pages.

2018-2019 UPWP Task Codes

Program Support and Administration (44.21.00)

- TL 11 Council Support and Administration
- TL 12 Unified Planning Work Program (UPWP)
- TL 13 Public Participation Activities
- TL 14 Transportation Management Area (TMA) Coordination
- TL 15 Federal, State, and Local Reporting
- TL 16 Professional Development

Data Development and Analysis (44.22.00)

- TL 21 Demographic/Survey Data Analysis and Forecasting
- TL 22 Vehicle/Bicycle/Pedestrian Count Activities
- TL 23 Major Projects Tracking
- TL 24 Geographic Information Systems (GIS)/Database Management
- TL 25 Pavement Condition Monitoring Program
- TL 26 Performance Monitoring
- TL 27 Countywide Vehicle Speed Analysis

Long-Range Transportation Planning (System Level) (44.23.01)

- TL 31 Metropolitan Transportation Plan (MTP)

Implementation

- TL 32 Travel Demand Model/Transportation Data Analysis and Forecasting
- TL 33 Air Quality and Energy Planning
- TL 34 Congestion Management Plan (CMP)
- TL 35 Travel Demand Management (TDM) Activities
- TL 36 Intelligent Transportation System (ITS) Support
- TL 37 Regional Freight Planning
- TL 38 Regional Sustainability Planning
- TL 39 State and Regional Transportation Study Liaison

Long-Range Transportation Planning (Project Level) (44.23.02)

- TL 41 Community Transportation Planning Assistance
- TL 42 Local Pedestrian Planning Initiative
- TL 43 City of Poughkeepsie Transportation Planning Activities
- TL 44 Pedestrian-Bicycle Plan Implementation
- TL 45 Complete Streets Implementation
- TL 46 Corridor Management Planning

Short-Range Transportation Planning (44.24.00)

- TL 51 Transportation Impact Reviews/Sustainable Development Practices
- TL 52 Inter-Departmental Project Coordination

Transportation Improvement Program (TIP) (44.25.00)

- TL 61 Transportation Improvement Program (TIP)

Planning Emphasis Areas (44.26.00)

- TL 71 Coordination of Non-Emergency Human Service Transportation (44.26.12)
- TL 72 Participation of Transit Operators in Metropolitan and

2018-2019 Unified Planning Work Program (UPWP)

Statewide Planning (44.26.13)

- TL 73 Planning for Transit Systems Management and Operations to Increase Ridership Transit System Management and Operations (44.26.14)
- TL 74 Support Transit Capital Investment Decisions through Effective Systems Planning (includes Regional Transit Plan) (44.26.15)
- TL 75 Transportation Safety and Security Planning (44.26.16)

Other Activities (44.27.00)

- TL 81 NYSAMPO Activities

Program Support and Administration

The Program Support and Administration task covers activities necessary to carry out the day-to-day activities of the Transportation Council and are necessary to carry out the local metropolitan transportation planning process. These activities typically include administrative tasks related to preparing for meetings, developing future planning programs, engaging the public, and participating in professional development courses.

TL 11 – Council Support and Administration

Description: This task covers the administrative work of staff, which is necessary for the Transportation Council to comply with federal and state requirements for the metropolitan transportation planning program. It includes all activities related to the day-to-day operations of the Transportation Council and its Planning Committee, including administrative

work items required by its host agency: the Dutchess County Department of Planning and Development and Dutchess County government in general. These items can include general inquiries by agencies about planning projects or budgets. Any communications with federal and state agencies not covered by other tasks fall under this Council Support and Administration task. This task also entails activities related to the moving of Transportation Council offices in 2018.

Products:

- Transportation Council and Planning Committee meetings (April 2018-March 2019).
- Meeting agendas, summaries, and briefing packages (April 2018-March 2019).
- Resolutions (as needed)
- Written and verbal communications (as needed)
- Office relocation activities (April-December 2018).

Responsible Agencies: DCTC and Dutchess County Planning Department

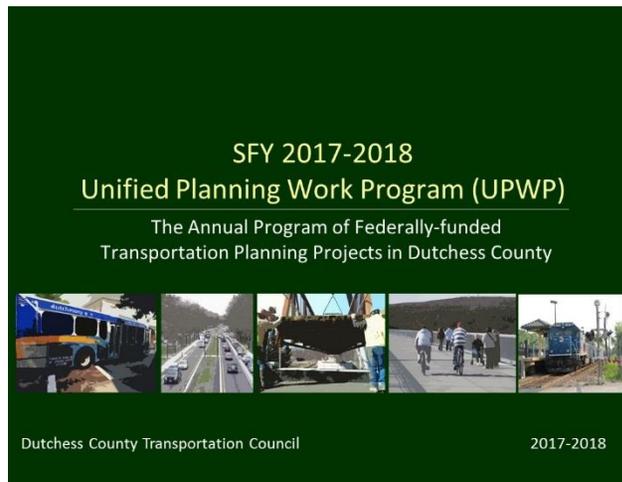
Budget Estimate: FHWA \$70,030, FTA \$13,793, State \$15,717, Local \$5,239.

TL 12 – Unified Planning Work Program (UPWP)

Description: This task includes all work associated with the development and publication of the UPWP, which seeks to meet federal and state guidance and address local transportation planning priorities. For the 2018-2019 program year, the Transportation Council will issue the final, approved

2018-2019 Unified Planning Work Program (UPWP)

version of the SFY 2018-2019 UPWP. Any work on amending or administratively modifying the UPWP to reflect scope or cost changes is covered under this task; this includes addressing any federal rescissions to planning funds during the year. Staff will monitor the progress of approved planning tasks in this UPWP and begin development of the Draft SFY 2019-2020 UPWP. The Transportation Council will investigate the potential for a formal call for planning projects as it develops the Draft 2019-2020 UPWP.



In April 2017, the Transportation Council issued the Final 2017-2018 UPWP, which included a name change to the Dutchess County Transportation Council (DCTC).

Products:

- Final 2018-2019 UPWP (April 2018).
- Draft 2019-2020 UPWP (November 2018-March 2019).

Responsible Agency: DCTC

Budget Estimate: FHWA \$14,590, FTA \$2,759, State \$3,253, Local \$1,084.

TL 13 – Public Participation Activities

Description: This task deals with any work performed by staff to implement the Transportation Council’s Public Participation Plan, which seeks to provide the public with timely and effective information about Transportation Council activities and products. This work includes the production of official press releases, meeting notices, and public comment notices for major work products such as the MTP, TIP, and UPWP. It covers maintenance of the Transportation Council’s public information/contact database and the Council’s website, which is hosted by Dutchess County. Other tasks include the distribution of Transportation Council reports to community organizations, individuals, and local media, and the production of a bi-annual newsletter. As part of its public outreach, the Transportation Council will continue its efforts to use more visual tools to convey program information. This includes work on redesigning the Transportation Council’s website to use plain language and better graphics.

Products:

- Press releases and public notices (April 2018-March 2019).
- Public meetings (April 2018-March 2019).
- Maintenance and updates to the Transportation Council’s public information contact list (April 2018-March 2019).
- Maintenance and updates to the Transportation Council’s website (April 2018-March 2019).
- Bi-annual newsletter (April 2018-March 2019).

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Responsible Agency: DCTC

Budget Estimate: FHWA \$18,966, FTA \$3,862, State \$4,280, Local \$1,427.



The Transportation Council uses a variety of tools to inform and engage the public, including public workshops such as this one for the Village of Millerton Pedestrian Plan.

TL 14 – Transportation Management Area (TMA) Coordination

Description: This task covers all administrative work done by the Transportation Council to meet TMA planning requirements for the Poughkeepsie-Newburgh NY-NJ Urbanized Area. This includes participating in TMA meetings or conference calls, sharing information with OCTC and UCTC staff or other TMA partners, and collaborating on general matters related to the TMA. As a member of the TMA, the Transportation Council will work closely with its partners to

sub-allocate FTA Section 5307 (Urbanized Area Formula), Section 5310 (Enhanced Mobility of Seniors and Individuals with Disabilities), and Section 5339 (Bus and Bus Facilities) funding to local transit providers. TMA-related work on specific projects such as the Congestion Management Plan (CMP), Regional Freight Plan, and Regional Transit Plan are listed under separate tasks (TL 34, TL 37, and TL 74 respectively).

Products:

- TMA meetings and conference calls (April 2018-March 2019).
- Feedback on TMA meeting agendas and summaries (April 2018-March 2019).
- Written and verbal TMA communications (as needed)

Responsible Agencies: DCTC, OCTC, and UCTC.

Budget Estimate: FHWA \$18,966, FTA \$3,862, State \$4,280, Local \$1,427.

TL 15 – Federal, State, and Local Reporting

Description: This task addresses all work needed to fulfill federal, state, and local reporting requirements related to Transportation Council operations and financials. This includes the preparation of quarterly NYSDOT payment requests, semi-annual Disadvantaged Business Enterprise (DBE) reports, semi-annual UPWP Progress Reports, and Dutchess County work progress reports. It also includes work on the Transportation Council's portion of the host agency's 2019

2018-2019 Unified Planning Work Program (UPWP)

budget. Lastly, this task will cover the completion of the Annual Listing of Obligated Projects for FFY 2018, ensuring that the public has an accurate understanding of how federal funds are being spent on transportation projects in the county.

Products:

- NYSDOT payment requests (April, July, and November 2018; January 2019).
- Semi-annual DBE reports (April and November 2018).
- Semi-annual UPWP Progress reports (April and November 2018).
- Dutchess County Single Audit (July-September 2018).
- 2019 Dutchess County Budget preparations (May-September 2018).
- Annual Listing of Obligated Projects (December 2018).

Responsible Agency: DCTC

Budget Estimate: FHWA \$14,590, FTA \$1,655, State \$3,046, Local \$1,015.

TL 16 – Professional Development

Description: Based on availability and cost, staff will participate in various professional development courses, conferences, and training events to increase their planning capacity and to identify best practices that will benefit the Transportation Council’s program. This includes both in-person and web-based training sessions. These training events may cover topics related to land use and environmental

planning, in addition to transportation-focused subjects. Staff will provide summary reports of training materials as needed.

Products: Attend training sessions and conferences (as needed).

Responsible Agency: DCTC

Budget Estimate: FHWA \$8,754, FTA \$1,655, State \$1,952, Local \$651.

Data Development and Analysis

The Data Development and Analysis planning category supports the gathering and analysis of relevant data to better understand the characteristics of the population served by the Transportation Council and the nature of travel across the planning area. This data analysis helps staff identify issues for further study, informs funding decisions by member agencies, and improves the accuracy of population and travel forecasts. This project category specifically involves the analysis of population, employment, and housing data, primarily from agencies such as the U.S. Census Bureau and Bureau of Labor Statistics. In addition, this category covers work on gathering and analyzing transportation specific data related to the condition and use of the transportation system (e.g. traffic count data and pavement conditions). These tasks also support various short- and long-range transportation planning activities, especially the TL 30 and TL 40-series tasks described later.

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TL 21 – Demographic/Survey Data Analysis and Forecasting

Description: The Transportation Council uses demographic data to inform its metropolitan transportation planning process, both at the regional and local level, and most notably to conduct Title VI analyses of protected populations. This task includes work on gathering and analyzing population and socio-economic data from the 2012-2016 American Community Survey (ACS), Census Transportation Planning Products (CTPP) program, and other U.S. Census Bureau products. Staff will also analyze economic and employment data from the Bureau of Labor Statistics to better understand commuter flows in the region. This task includes back-checking previous forecasts with new data to reassess long-range planning work for the travel demand model and the assumptions made in the MTP. It also covers assistance provided to NYSDOT for the National Household Travel Survey (NHTS) add-on for the Poughkeepsie metropolitan area. The analyses of other transportation surveys also fall under this task.

Products:

- Census, ACS, CTPP, and BLS data gathering and analysis (April 2018-March 2019).
- Revised demographic forecasts (as needed).
- Administrative support and analysis of data from the NYSDOT 2015 NHTS add-on for the Poughkeepsie metropolitan area (April 2018-March 2019).

Responsible Agency: DCTC

Budget Estimate: FHWA \$6,484, FTA \$4,263, State \$2,015, Local \$672.

TL 22 – Vehicle/Bicycle/Pedestrian Count Activities

Description: This task deals with activities related to the implementation and management of the Transportation Council's annual traffic count program. In 2018, the Transportation Council will contract with a private consultant to collect traffic count data (volumes, vehicle classifications, and speeds) at approximately 250 locations across the county. Collected data will adhere to NYSDOT requirements and support system-wide and local transportation planning activities, to include travel demand modeling, congestion management planning, safety assessments, and a high-end speeding analysis. Staff will continue to provide traffic count data and reports through the Transportation Council's online data portal, while exploring a map-based tool to show data (see Task TL 24 – Geographic Information Systems/Database Management).

The Transportation Council will continue its use of video and/or other count technology to count walkers and bikers on trails and local streets. In addition, this task includes coordinating annual pedestrian and bicycle counts conducted by volunteers each September, using methods from the National Bicycle & Pedestrian Documentation Project, and maintaining a pedestrian/bicycle count database

Products:

- 2018 Traffic Count Program (April-November 2018).

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- Online traffic count database maintenance (April 2018-March 2019).
- Bicycle/pedestrian counts at strategic locations (April-November 2018).
- Manual bicycle/pedestrian count program (August-September 2018).

Responsible Agencies: DCTC and NYSDOT.

Budget Estimate: FHWA \$79,431, FTA \$0, State \$14,893, Local \$4,964.

TL 23 – Major Projects Tracking

Description: This task encompasses work on maintaining the Dutchess County Major Projects database and producing the annual Major Projects Report. This work supports the Transportation Council’s efforts to forecast future population, housing, and employment, and in turn, future travel demand. The Transportation Council defines major projects as new or programmed development projects with at least 25 residential units or 25,000 square feet of non-residential space in urban areas, and 10 residential units or 10,000 square feet of non-residential space in rural areas.

Products: 2017 Major Projects Report (April-June 2018).

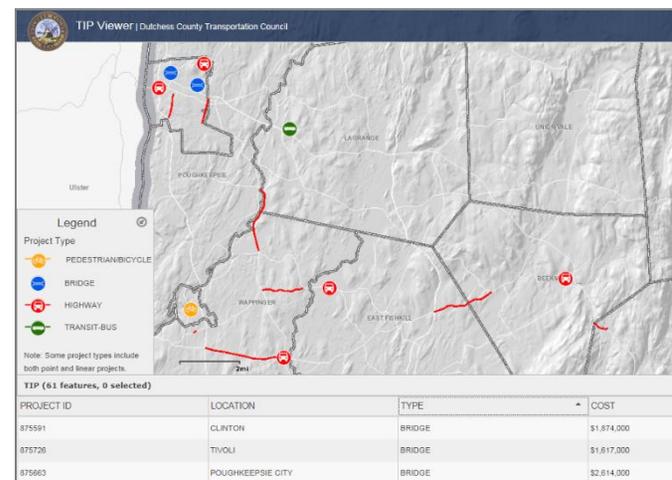
Responsible Agencies: DCTC and Dutchess County Planning Department.

Budget Estimate: FHWA \$12,968, FTA \$251, State \$2,479,

Local \$826.

TL 24 – Geographic Information Systems (GIS)/Database Management

Description: This task covers staff work on GIS programs and associated databases to visualize demographic and transportation data for various Transportation Council planning projects. For example, this includes maintaining and updating the Transportation Council’s online [TIP Viewer](#), which shows project level information on the FFY 2017-2021 TIP, and the online [Bicycle Parking Finder](#). Staff will consult with the Dutchess County Office of Computer Information Services (OCIS) about the feasibility of showing vehicle/bicycle/pedestrian count data on one or more online mapping tools. Ongoing efforts include the integration of transportation and demographic data into GIS to analyze population and travel trends, crash locations, road and bridge conditions, and non-motorized infrastructure.



The Transportation Council’s TIP Viewer provides information on current TIP projects using a GIS portal created by the Dutchess County Office of Computer Information Services (OCIS).

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Products:

- Maintenance and updates to the Transportation Council's online TIP Viewer application (April 2018-March 2019).
- Maintenance and updates to the Transportation Council's online Bicycle Parking Finder (April 2018-March 2019).
- Demographic and transportation mapping products for various planning projects (April 2018-March 2019).

Responsible Agencies: DCTC, Dutchess County Planning Department, and Dutchess County Office of Central and Information Services (OCIS).

Budget Estimate: FHWA \$21,074, FTA \$251, State \$3,998, Local \$1,333.

TL 25 – Pavement Condition Monitoring Program

Description: This task will build upon the work done by the Dutchess County Department of Public Works and [Cornell Asset Management Program \(CAMP\)](#) program to establish an objective and uniform Pavement Condition Index (PCI) rating for all non-state paved roads in Dutchess County. The PCI rating, which relies on methodologies developed by the [Cornell Local Roads Program \(CLRP\)](#), enables local officials to track road conditions over time, prioritize limited maintenance funds, and develop capital programs to maintain and improve road conditions.

The first phase of the project, completed in 2016, assessed

local pavement quality in 17 municipalities, while the second phase, completed in 2017, measured pavement quality across the remaining 13 municipalities. For 2018, Dutchess County DPW will again evaluate the local roads done in 2016 and generate municipal PCI reports. Staff will compare the data from 2016 and 2018 to identify any trends in pavement conditions over the two-year period.

Products:

- Pavement condition data collection (July-October 2018).
- Municipal pavement condition update reports (October-December 2018).

Responsible Agencies: DCTC and DCDPW.

Budget Estimate: FHWA \$16,211, FTA \$0, State \$3,039, Local \$1,013.

TL 26 – Performance Monitoring

Description: This task addresses staff work on developing or assessing performance measures that support federal and state requirements for performance based transportation planning. The Transportation Council will use available data to measure progress towards meeting short- and long-range goals for specific areas such as highway and bridge conditions, transportation safety, walking and bicycling infrastructure, transit use, traffic congestion, project delivery, and natural resource protection. The Council will also complete an interim status report on progress in meeting the MTP's performance

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measures. The Transportation Council will continue to meet FAST Act rulemakings on various performance measures such as safety, pavement and bridge conditions, traffic and congestion, and transit asset management.

Products:

- Data gathering and analysis related to performance measure monitoring (April-December 2018).
- Interim status report on MTP established performance measures (January-March 2019).

Responsible Agency: DCTC and NYSDOT.

Budget Estimate: FHWA \$3,242, FTA \$251, State \$655, Local \$218.

TL 27 – Countywide Vehicle Speed Study

Description: The Transportation Council will analyze speed patterns on County and local roads, using speed data from the Vehicle/Bicycle/Pedestrian Count task (TL 22). This task will identify road corridors with ‘high-end’ speeding, where 85th percentile speeds are more than 10 mph over the posted speed limit. By highlighting road segments with high-end speeding, the Council hopes to assist elected officials and law enforcement agencies with efforts to target speed enforcement and implement traffic calming measures to reduce speeding in the county.

Products:

- Vehicle speed data analysis, using data from the

vehicle count program and the State’s ALIS crash data program (April-December 2018).

- Summary report of findings from the high-end speeding analysis (January-March 2019).

Responsible Agency: DCTC

Budget Estimate: FHWA \$22,695, FTA \$0, State \$4,255, Local \$1,418.

Long-Range Transportation Planning (System Level)

The Long-Range Transportation Planning (System Level) project category focuses on planning tasks that address long-range or system-wide transportation subjects. By trying to understand the system at a more holistic level, the Transportation Council seeks to identify the leading transportation challenges that may face the metropolitan area beyond the near-term and, more importantly, what opportunities it might pursue to improve long-term transportation safety and mobility.

The Transportation Council’s Metropolitan Transportation Plan (MTP) serves as the signature product of these long-range planning efforts, providing a 20-30 year vision for improving transportation in Dutchess County. Approved in 2016, the current MTP, [*Moving Dutchess 2*](#), continues to serve as the founding document for the tasks pursued under the Long-Range System and Project Level planning categories. The MTP provides the basis for future community planning activities and the programming of federal transportation

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funding. The system-level planning tasks tend to focus on regional, mode-specific subjects such as freight and transit, or regional initiatives such as congestion management and travel demand management. The system level category also supports statewide planning activities that might affect the local metropolitan area or region.

TL 31 – Metropolitan Transportation Plan (MTP) (*Moving Dutchess 2*) Implementation

Description: The Transportation Council’s long-range Metropolitan Transportation Plan (MTP), [*Moving Dutchess 2*](#), supports its mission to provide the resources needed to maintain a safe, efficient, and sustainable transportation system in Dutchess County. Using a 2040 planning horizon year, the MTP identifies strategies to preserve the existing transportation system and meet future travel demands. Much of the information presented in the MTP stems from the demographic and transportation data analyses conducted as part of the previous Data and Development tasks. Though the MTP is not scheduled for an update until 2021, staff will begin the process of strategizing about the structure and scope of the next MTP in early 2019.

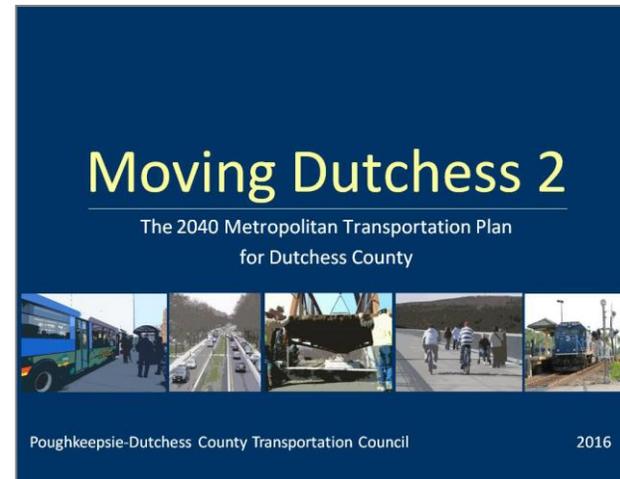
This task also covers staff activities that support the implementation of MTP-recommended policies and projects, if not already addressed by other tasks in the UPWP. This includes revising MTP recommendations to ensure that they are still valid and reflect local priorities, new planning assumptions, and funding changes; if warranted, these changes may require an amendment to the MTP.

Products:

- MTP ([*Moving Dutchess 2*](#)) implementation activities (April 2018-March 2019).
- Amendments to the Final MTP (April 2018—March 2019).
- Draft framework for next MTP (January-March 2019).

Responsible Agencies: DCTC and member agencies.

Budget Estimate: FHWA \$12,320, FTA \$2,896, State \$2,853, Local \$951.



The Transportation Council approved Moving Dutchess 2 in 2016, making it the Council's sixth long-range transportation plan and continuing a 30-year tradition of transportation planning in Dutchess County.

TL 32 – Travel Demand Model/Transportation Data Analysis and Forecasting

Description: The Transportation Council will maintain its travel demand model to support the TMA’s Congestion Management Plan (CMP) and, as warranted, other state and regional

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planning activities. The Transportation Council will gather and integrate data from the traffic count program, NYSDOT Highway Data Services Bureau, NHTS survey, and Major Projects Report into the travel demand model, as appropriate. This task includes annual maintenance support for the TransCAD software package.

Products:

- Transportation forecasts (April 2018-March 2019).
- TransCAD maintenance support (April 2018-March 2019).

Responsible Agency: DCTC

Budget Estimate: FHWA \$5,187, FTA \$113, State \$994, Local \$331.

TL 33 – Air Quality and Energy Planning

Description: The Transportation Council will monitor the EPA’s implementation of the new 2015 Ozone standard and its re-designation of non-attainment areas. Staff will participate on statewide Interagency Consultation Group (ICG) conference calls and meetings as needed. The Transportation Council will also provide support to other energy planning efforts, such as implementation of the [NYS Climate Action Plan](#) or the promotion of alternative fuel vehicles (e.g. siting of Electric Vehicle charging stations).

Products:

- ICG conference calls (as needed) (April 2018-March

2019).

- Alternative fuels planning (as needed).

Responsible Agency: DCTC

Budget Estimate: FHWA \$3,242, FTA \$113, State \$629, Local \$210.

TL 34 – Congestion Management Plan (CMP)

Description: The Transportation Council will work in conjunction with OCTC and UCTC to update the [Mid-Hudson Valley TMA Congestion Management Plan \(CMP\)](#). First developed in 2005, and expanded upon in [2006](#) and [2011](#), the CMP establishes a four-step process to define, measure, and manage congestion, and then evaluate its overall effectiveness. The CMP recommends integrating results into local MPO planning efforts. As part of this update, the Transportation Council will work with the NYSAMPO Modeling Working Group, NYSDOT, the [University Transportation Research Center \(UTRC\)](#), and the [University at Albany’s AVAIL Team](#) to gather and analyze travel time and speed data from the [National Performance Management Research Data Set \(NPMRDS\)](#). The NPMRDS data, based on wireless vehicle probe data, is procured by FHWA for the specific purpose of assisting states and MPOs with measuring travel performance on the [National Highway System \(NHS\)](#). It includes archived speed and travel time data, matched to associated location referencing data.

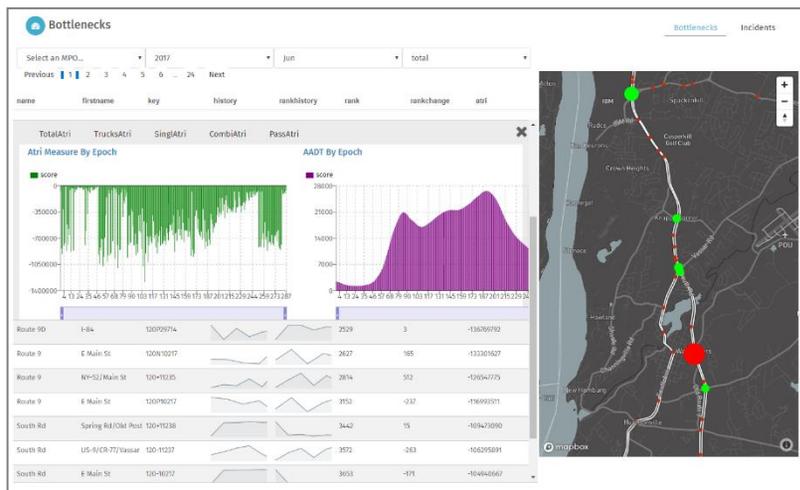
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Products:

- NPMRDS analysis (April-September 2018).
- CMP Update (October 2018-March 2019).

Responsible Agencies: DCTC, OCTC, UCTC, and NYSDOT.

Budget Estimate: FHWA \$32,421, FTA \$113, State \$6,100, Local \$2,033.



The University at Albany's AVAIL Team, in coordination with NYSDOT and NYS MPOs, is building a performance measurement dashboard based on NPMRDS. The NPMRDS Analytics Tool Suite provides visualization tools to analyze and report network performance, run corridor analyses, and conduct project analyses on the NHS.

TL 35 – Travel Demand Management (TDM) Activities

Description: This task addresses staff support of state, regional, and local TDM activities, including the [511NY Rideshare](#) program, [511NY website](#), and other NYSDOT TDM

strategies to reduce single occupant vehicle travel and, in turn, reduce traffic congestion and energy consumption. This includes supporting any state or regional planning efforts related to ride-sharing (e.g. Uber; Lyft) and car-sharing.

Products:

- 511NY Rideshare program maintenance (April 2018-March 2019).
- Ride-sharing/Car-sharing planning (as needed).

Responsible Agencies: DCTC and NYSDOT.

Budget Estimate: FHWA \$2,594, FTA \$113, State \$507, Local \$169.

TL 36 – Intelligent Transportation System (ITS) Support

Description: This task addresses staff support of NYSDOT-Region 8's effort to update the Hudson Valley's ITS architecture and to deploy ITS infrastructure in the area, especially within Dutchess County and the TMA region. Staff will participate in regional ITS workshops as necessary. This task includes work related to the deployment of ITS technology on Dutchess County Public Transit vehicles.

Products:

- NYSDOT-Region 8 ITS architecture implementation (April 2018-March 2019).

Responsible Agencies: DCTC, NYSDOT, and Dutchess County Public Transit.

2018-2019 Unified Planning Work Program (UPWP)

Budget Estimate: FHWA \$2,594, FTA \$113, State \$507, Local \$169.

TL 37 – Regional Freight Planning

Description: This task primarily covers staff work to review and comment on the [Statewide Freight Plan](#) that is currently underway by NYSDOT. The completion of the State’s plan will trigger TMA scoping work on a regional freight plan. In recognition of the importance that freight movement is given in the FAST Act, the Transportation Council will work with its TMA partners to draft a scope of work for a regional freight plan for the Mid-Hudson Valley TMA. Such a plan would include an inventory of existing freight activities across multiple modes of transportation (e.g. truck, rail, ship/barge, and air) and identify potential strategies to improve freight efficiency on facilities such as I-84/87, regional CSX rail lines, Stewart International Airport in Orange County, and the Hudson River. A regional freight plan would likely require consultant services and not start until 2020 at the earliest.

Products:

- Review and comment on [Statewide Freight Plan](#) (April-December 2018).
- Draft TMA Regional Freight Plan Scope of Work (January-March 2019).

Responsible Agencies: DCTC, OCTC, UCTC, and NYSDOT.

Budget Estimate: FHWA \$3,891, FTA \$0, State \$729, Local \$243.

TL 38 – Regional Sustainability Planning

Description: The Transportation Council will support the implementation of the [Mid-Hudson Valley Regional Sustainability Plan](#), which establishes a sustainability baseline, including inventories of greenhouse gas emissions and energy use, and includes an assessment of sustainability indicators including economic assets, liabilities and opportunities as well as transportation, land use, and natural resources. The Plan’s goals address increasing energy efficiency, promoting renewable energy, and reducing carbon emissions.

Products: [Mid-Hudson Regional Sustainability Plan](#) implementation activities (April 2018-March 2019).

Responsible Agencies: DCTC, Dutchess County Planning Department, and other responsible agencies.

Budget Estimate: FHWA \$2,877, FTA \$188, State \$575, Local \$192.

TL 39 – State and Regional Transportation Study Liaison

Description: This task encompasses staff support of planning studies or projects identified as Statewide Planning and Research (SPR) activities by NYSDOT or other regional agencies (see Section 9 - Statewide & Regional Planning Initiatives for a list of these projects). These efforts use federal funds and have been identified as having a statewide benefit or are necessary to satisfy a specific NYSDOT planning responsibility to FHWA. Examples include traffic count

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collection on state highways, statewide infrastructure inventories related to performance monitoring, deployment of new project delivery software, assessments of new transportation technologies, and planning for high-speed rail. The Transportation Council will participate in these and other studies if they affect Dutchess County, its member agencies, or support the work of the Transportation Council.

Products:

- Review and comment on state and regional transportation studies (as needed).
- High-speed rail planning (as needed).

Responsible Agencies: DCTC, NYSDOT, and member agencies.

Budget Estimate: FHWA \$2,594, FTA \$113, State \$507, Local \$169.

Long-Range Transportation Planning (Project Level)

The Long-Range Transportation Planning (Project Level) category includes planning tasks that address transportation issues in a specific community, sub-area, or transportation corridor within the metropolitan planning area. The Transportation Council routinely leverages its resources to meet the transportation planning needs and priorities of its member agencies and communities. The Council accomplishes this through the development of specific studies completed in-house with its own staff or through private consultant services. These projects typically stem from recommendations identified in the MTP or by a formal request by a member

agency or municipality. The Project Level category may also address specific transportation modes and practices at the county and municipal level, most notably as they relate to promoting walking and bicycling or implementing Complete Streets principles. These tasks typically require more detailed analyses than the transportation system-level tasks included in the TL 30-series.

TL 41 – Community Transportation Planning Assistance

Description: With support from the Dutchess County Planning Department, the Transportation Council will offer planning and design assistance to communities that wish to employ land use and transportation related principles from the Dutchess County Centers and Greenspaces program. This program seeks to create less auto-dependent neighborhoods, by transforming strip commercial areas into mixed-use centers, improving connections between land uses, and promoting other modes of transportation such as walking, bicycling, and transit. These principles aim to reduce traffic congestion in neighborhoods and promote livability.

This task also focuses on staff efforts to better coordinate local land use and transportation planning decisions and promote sustainable development. Staff will assist various communities with their local transportation planning needs, including an update of the 2010 [CR 71 \(West Rd.\) Sidewalk Feasibility Study](#) for the Town of Pleasant Valley and possibly a Complete Streets review of Route 9 (Broadway) in the Village of Red Hook. This task may include other local transportation planning work not yet identified. Recommendations that

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result from these various planning efforts may be used to prioritize future transportation funding.

Products:

- Community transportation planning assistance (April 2018-March 2019).
- CR 71 (West Rd.) Sidewalk Feasibility Study Update (April-September 2018).
- Village of Red Hook transportation planning assistance (April-September 2018).

Responsible Agencies: DCTC, Dutchess County Planning Department, and local municipalities.

Budget Estimate: FHWA \$28,774, FTA \$1,881, State \$5,748, Local \$1,916.

TL 42 – Local Pedestrian Planning Initiative

Description: With support from the Dutchess County Planning Department, the Transportation Council will provide technical assistance to select municipalities to inventory and evaluate their local sidewalk systems. This task includes the identification of strategies to fill in sidewalk gaps, provide new pedestrian connections, and design alternatives for locations with heavy pedestrian activity, typically in and around residential and commercial centers. Since 2011, the Transportation Council has completed five such plans, including for the [Villages of Millerton](#) and [Rhinebeck](#), and town centers in [Hyde Park](#), [Pine Plains](#), and [Poughkeepsie \(Arlington\)](#). For 2018-2019, this task will primarily focus on the

development of a pedestrian plan for the Village of Pawling, which will identify ways to improve pedestrian safety and access in the Village center.



The Transportation Council's Local Pedestrian Planning Initiative typically begins with an inventory of existing pedestrian infrastructure. Such inventories rely on GPS technology to capture data on sidewalk conditions and issues, which is then used to create maps and other graphics that help inform

Products:

- Pedestrian infrastructure inventory for the Village of Pawling Pedestrian Plan (April-June 2018).
- Draft Village of Pawling Pedestrian Plan (October-December 2018).
- Final Village of Pawling Pedestrian Plan (January-March 2019).

Responsible Agencies: DCTC, Dutchess County Planning Department, and Village and Town of Pawling.

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Budget Estimate: FHWA \$94,953, FTA \$1,881, State \$18,156, Local \$6,052.

TL 43 – City of Poughkeepsie Transportation Planning Activities

Description: The Transportation Council will continue to support the transportation planning needs of the City of Poughkeepsie, given its importance to the metropolitan area's street and transit systems. A major project under this task is the completion of a [Downtown Parking Improvement Plan](#), which was initiated in mid-2017. The Parking Plan will provide the City with a strategy to ensure that its parking system is operated and managed in an efficient and effective manner, consistent with the City's redevelopment goals for its Central Business District. This consultant-supported study will include an evaluation of on-street and off-street parking capacity and utilization, and a prioritized implementation strategy to improve parking operations. Upon completion of the Parking Plan, staff will work closely with the City to implement near-term recommendations that are within the purview of the Transportation Council, especially those pertaining to non-motorized connections to and from parking facilities and destinations. As of Jan. 1, 2018, this project was 52 percent complete.

This task also supports transportation-related planning activities associated with the implementation of the [Poughkeepsie Waterfront Redevelopment Strategy](#), the [City Center Connectivity Project](#), which seeks to transform Market St. into a Complete Street, and the City Center Revitalization

Plan, which calls for opportunities to create transit-oriented development through site plan and zoning changes. Accordingly, the Transportation Council will assist the City, Dutchess County Planning Department, and Metro-North Railroad to establish a Transit Oriented Development (TOD) near the Poughkeepsie Railroad Station.



The Transportation Council will complete the Downtown Poughkeepsie Parking Improvement Plan in 2018 and, in coordination with the City, progress recommended strategies to improve its parking operations.

Products:

- Final [Downtown Parking Improvement Plan](#) (April-June 2018).
- City of Poughkeepsie Transportation Planning Activities (April 2018 –March 2019).

Responsible Agencies: DCTC, City of Poughkeepsie, Dutchess County Planning Department, and Metro-North Railroad.

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Budget Estimate: FHWA \$100,708, FTA \$3,761, State \$19,588, Local \$6,529.

TL 44 – Pedestrian-Bicycle Plan Implementation

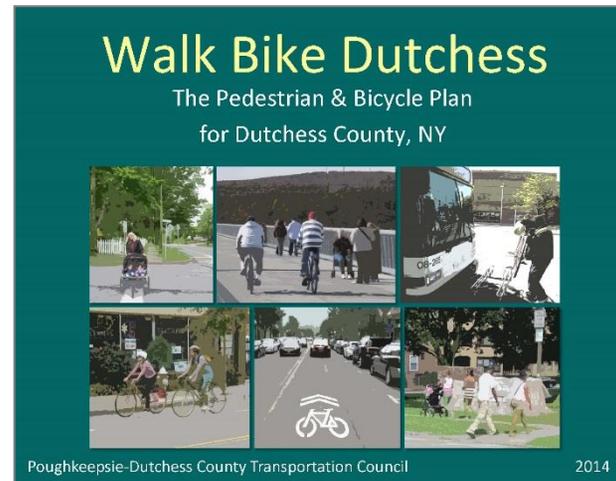
Description: This task addresses work on implementing recommendations from [Walk Bike Dutchess](#) - the Transportation Council's 2014 Pedestrian and Bicycle Plan – and further integrating walking and bicycling into the county's transportation system. The Transportation Council will continue to host and coordinate a Bicycle-Pedestrian Advisory Committee (BPAC) and use its website to provide information on walking and bicycling facilities and resources. This task will also entail activities related to the development of an ADA Transition Plan for Dutchess County—a recommendation in [Walk Bike Dutchess](#)—and staff participation on an ADA Transition Plan Advisory Committee.

Products:

- Implementation of walking and bicycling recommendations from [Walk Bike Dutchess](#) (April 2018-March 2019).
- Quarterly BPAC meetings (April 2018-March 2019).
- Dutchess County ADA Transition Plan assistance (April-December 2018).

Responsible Agencies: DCTC, Dutchess County, and member agencies.

Budget Estimate: FHWA \$23,019, FTA \$3,761, State \$5,021, Local \$1,674.



Adopted in 2014, Walk Bike Dutchess provides a long-term (20-year) vision for improving walking and bicycling in

TL 45 – Complete Streets Implementation

Description: The Transportation Council will continue to coordinate an inter-departmental Complete Streets Committee to help implement the County's enacted Complete Streets Policy. The Council will also continue its support of the County's traffic safety campaign, titled [Watch Out For Me](#), to increase awareness of walking and bicycling safety in Dutchess County. These public outreach efforts may include advertising on transit vehicles, outdoor signs, radio announcements, social media, printed brochures, and other media. This task also covers assistance to municipalities in the development of local Complete Streets policies and plans.

Products:

- County Complete Streets Policy implementation (April 2018-March 2019).

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- Walking and bicycling safety campaign ([Watch Out For Me](#)) material (April 2018-March 2019).
- Inter-Departmental Complete Streets Committee meetings (April 2018-March 2019).

Responsible Agencies: DCTC, DCDPW, Dutchess County Public Transit, Dutchess County Department of Behavioral & Community Health (DBCH), Dutchess County Traffic Safety Board (DCTSB), Dutchess County Office for the Aging, and the Dutchess County Sheriff's Office.

Budget Estimate: FHWA \$23,019, FTA \$6,582, State \$5,550, Local \$1,674.

TL 46 – Corridor Management Planning

Description: Typically supported by consultant services, this task involves the analysis of a specific area or corridor in order to identify short- and long-range recommendations to improve safety and mobility on the local transportation system. A typical CMP will address potential roadway improvements, traffic signal modifications, access management improvements, and bicycle/pedestrian improvements, while also evaluating the impacts of development proposals and local land use laws on future operations and safety. Although the Transportation Council has not identified a specific CMP for 2018-2019, this task will cover any scoping work for a possible CMP in 2019-2020.

Products:

- Corridor Management Plan (as needed).

Responsible Agencies: DCTC and applicable agencies.

Budget Estimate: FHWA \$14,387, FTA \$940, State \$2,874, Local \$958.

Short-Range Transportation Planning

The Short-Range Transportation Planning category focuses on planning projects with near term horizons that support recommendations in previous Transportation Council plans and studies. The Transportation Council will review proposed land use and transportation projects for their potential impacts on the area's transportation network and for their consistency with the Transportation Council's strategic goals and objectives, especially as they relate to livability and sustainable development.

TL 51 – Transportation Impact Reviews/Sustainable Development Practices

Description: The Transportation Council, through the Dutchess County Department of Planning and Development, will provide decision-making agencies (e.g. municipal planning, zoning, and legislative boards) with site plan alternatives, design improvements, and other recommendations to support the Transportation Council's goals of promoting livability and sustainable development. These activities seek to improve transportation safety and access, while balancing the need for economic development with appropriate land uses. Staff will primarily accomplish this by serving as Assigned Planners for select communities, conducting General Municipal Law (GML)

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239 reviews for site plans and zoning referrals. During these reviews, staff will recommend ways to mitigate impacts to the transportation system, especially on State and County highways.

Products: Site plan and zoning referral memorandums (April 2018-March 2019).

Responsible Agencies: DCTC and Dutchess County Planning Department.

Budget Estimate: FHWA \$36,473, FTA \$3,761, State \$7,544, Local \$2,515.

TL 52 – Inter-Departmental Project Coordination

Description: This task includes staff work to encourage better coordination between the Transportation Council, Dutchess County Planning Department, DCDPW, and DBCH, especially with regard to the design and schedule of county highway and building projects, and private land use developments requiring County permits. This includes ways to incorporate pedestrian, bicycle, and other transportation improvements in proposed projects, particularly in designated centers. This task also seeks to improve DCDPW coordination on local transportation projects, including CDBG-funded projects, federally funded projects, locally funded projects, and private projects

Products:

- DCTC-Dutchess County Planning Department-DBCH-DCDPW coordination meetings (as needed).

- Recommendations on CDBG project submissions (October-December 2018).

Responsible Agencies: DCTC, Dutchess County Planning Department, DCDPW, and DBCH.

Budget Estimate: FHWA \$4,053, FTA \$1,254, State \$995, Local \$332.



The Transportation Council approved the 2017-2021 TIP in 2016. In its current form, the TIP programs almost \$100 million in federal highway and transit funding for projects in Dutchess County.

Transportation Improvement Program (TIP)

The Transportation Improvement Program (TIP) serves as the prioritized listing of federally funded transportation projects in Dutchess County and is developed and adopted by the Transportation Council as part of the metropolitan transportation planning process. Using the Federal Fiscal Year (FFY) calendar, the TIP covers a five-year period and is updated in conjunction with the Statewide Transportation

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Improvement Program (STIP). The current 2017-2021 TIP covers the period from October 1, 2016 through September 30, 2021. The Transportation Council periodically amends the TIP to account for funding, scope, and schedule changes.

TL 61 – Transportation Improvement Program (TIP)

Description: This task focuses on all work activities needed to maintain and update the current FFY 2017-2021 TIP. These updates will be made through various amendments and administrative modifications that meet FAST Act requirements, maintain fiscal constraint, and support changing sponsor priorities and project scopes. Staff will also review project applications submitted in response to statewide project solicitations for the Highway Safety Improvement Program (HSIP), Surface Transportation Block Grant program (STBG) (including set-asides for pedestrian/bicycle projects), and other related funding programs (e.g. State Pedestrian Safety Action Plan-PSAP implementation). Lastly, in order to improve STIP performance and in preparation for the FFY 2020-2014 TIP, the Transportation Council will more actively engage project sponsors to progress their federal-aid projects and to ensure that the TIP accurately reflects project realities.

Products:

- FFY 2017-2021 TIP Amendments and Administrative Modifications (April 2018-March 2019).
- HSIP, STBG, and STBG set-aside project application reviews (April-December 2018).
- Annual TIP Questionnaire (April-June 2018).

- Federal-aid project coordination meetings with NYSDOT-Region 8 Local Projects Unit (April 2018-March 2019).

Responsible Agencies: DCTC, NYSDOT, and Local Project Sponsors.

Budget Estimate: FHWA \$48,632, FTA \$6,269, State \$10,294, Local \$3,431.



The Transportation Council uses the TIP to program federal funds for various projects, including this new sidewalk on Route 9 in the Town of Hyde Park. Stemming from a recommendation in a previous planning study, the Town constructed the sidewalk in 2017 by successfully applying for and using funds from the federal Transportation Alternatives Program (TAP).

Planning Emphasis Areas

FHWA and FTA jointly establish Planning Emphasis Areas (PEA) to advance national transportation goals, which may be

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prescribed by federal law or reflect FTA and FHWA priorities. PEAs highlight subjects that should be addressed in federally funded planning programs such as ours. PEAs are designed to encourage the use of planning assistance for studies that address these national goals and priorities, while also addressing issues that directly benefit local transportation operations or otherwise serve state and local needs. Many of the PEAs focus on transit planning; therefore, the Transportation Council will continue to work closely with public transit operators to improve the efficiency and effectiveness of regional and local transit services. This includes local bus operations provided by the Dutchess County Division of Public Transit and regional commuter rail services provided by MTA/Metro-North Railroad.

TL 71 – Coordination of Non-Emergency Human Service Transportation (44.26.12)

Description: In coordination with human service providers, the Transportation Council will identify transportation projects that address the mobility needs of special needs populations such as the disabled and elderly. The Transportation Council will seek funding for eligible projects through FTA programs such as Section 5310 (Enhanced Mobility of Seniors and Individuals with Disabilities). The Transportation Council will continue to implement its 2015 Coordinated Public Transit-Human Services Transportation Plan and ensure that available federal transit funding supports the recommendations in the Coordinated Plan.

Products:

- Coordinated Public Transit-Human Services Transportation Plan implementation (April 2018-March 2019).
- Coordination with human service agencies to help meet their clients' mobility needs (April 2018-March 2019).
- Prioritized FTA Section 5310 projects in Dutchess County and the TMA (April-September 2018).

Responsible Agencies: DCTC, Dutchess County Public Transit, and local human service agencies.

Budget Estimate: FHWA \$0, FTA \$6,206, State \$1,164, Local \$388.

TL 72 – Participation of Transit Operators in Metropolitan and Statewide Planning (44.26.13)

Description: The Transportation Council will seek the participation of transit operators in carrying out the metropolitan transportation planning process, including the implementation of the written agreement between the Transportation Council and operators to share system, operational, and financial information in support of the MTP, TIP, and the Annual Listing of Obligated Projects. This task includes work on data requests by local Designated Recipients in order to complete Triennial Review requirements or to meet other federal and state reporting requirements (e.g. TrAMS grants and 17-A reports).

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Products:

- System, operational, and financial data collection from transit providers, as per the 2011 written agreement between the Transportation Council and transit operators (as needed).
- Written and verbal communication with transit providers (as needed).

Responsible Agencies: DCTC, NYSDOT, MTA/Metro-North Railroad, and Dutchess County Public Transit.

Budget Estimate: FHWA \$0, FTA \$8,463, State \$1,587, Local \$529.

TL 73 – Planning for Transit Systems Management and Operations to Increase Ridership and Systems Management and Operations (44.26.14)

Description: This task covers transit-planning work provided by the Transportation Council to the Dutchess County Division of Public Transit and MTA/Metro-North Railroad. The focus of this task is to improve the efficiency and effectiveness of regional and local transit services in the metropolitan planning area, and in turn, increase ridership across transit systems. This includes coordinating with transit providers to identify projects necessary to improve transit service in Dutchess County.

The Transportation Council will also participate on the Dutchess County Transit Advisory Committee and support the completion of a Transit Development Plan (TDP) for Dutchess

County. The TDP, managed by Dutchess County Public Transit and using FTA Section 5307 funds, will analyze the current transit system and provide recommendations to streamline and improve the delivery of existing fixed routes, Dial-a-Ride, RailLink, and flex services. The TDP will include a capital plan, operations plan, performance standards, and financial plan. Additionally, the TDP will focus on completing the integration of the City Bus transit system into Dutchess County Public Transit and ensure all routes and services are planned, scheduled, and operated cohesively. This includes investigating innovative mobility solutions that meet the public's travel requirements, while also reducing delivery costs to transit providers.



The Transportation Council will work closely with Dutchess County Public Transit to progress a Transit Development Plan and Marketing Plan to improve transit service in the County.

Lastly, the Transportation Council will also support Dutchess County Public Transit's development of a Marketing Plan,

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specific to Dutchess County transit operations. The Marketing Plan, again managed by Dutchess County Public Transit and using FTA Section 5307 funds, will seek to increase ridership by developing a strategy to increase the public's awareness of existing services. This will include the development and printing of a comprehensive transit rider's guide, development of a separate transit website, and development of a regional transit system brand.

Products:

- Transit system coordination (April 2018-March 2019).
- Transit Advisory Committee meetings (April 2018-March 2019).
- TDP Scope of Work/RFP (April-June 2018).
- Marketing Plan Scope of Work/RFP (April-June 2018).
- TDP Data Gathering and Analysis (July-September 2018).
- Marketing Plan development (July-December 2018).
- TDP Alternatives Analysis (October-December 2018).
- Draft TDP (January-March 2019).
- Draft/Final Marketing Plan (January-March 2019).

Responsible Agencies: DCTC, MTA/Metro-North Railroad, and Dutchess County Public Transit.

Budget Estimate: FHWA \$0, FTA (MPP) \$16,362, FTA (Section 5307) \$320,000, State (MPP match) \$3,068, State (5307 match) \$40,000, Local (MPP match) \$1,023, Local (5307 match) \$40,000.

TL 74 – Support Transit Capital Investment Decisions Through Effective Systems Planning (44.26.15)

Description: The Transportation Council will work with the Mid-Hudson Valley TMA on a Regional Transit Plan. The Regional Transit Plan will seek to identify ways to better coordinate and connect existing transit systems, internally between the three counties, and externally between the three counties and the Albany and New York City metropolitan areas. A major component of this regional effort will include a transit capital plan for the TMA, which will be based on an inventory of existing revenue equipment and an assessment of the region's future transit capital needs. The Plan will also determine how the TMA's transit systems can better connect major urban and employment centers to one another and to major transportation facilities such as train stations, park-and-ride lots, and airports through the possible expansion of express bus, commuter rail, and ferry services.

The OCTC will manage this consultant-supported contract with administrative and financial support from the DCTC and UCTC. In 2017-2018, the DCTC transferred \$79,600 in FTA MPP funds to Orange County to complete the project. If necessary, the DCTC may provide additional MPP funds for the project.

Products:

- Regional Transit Plan Data Gathering and Analysis (July-December 2018).
- Regional Transit Plan Public Outreach (July-December 2018).
- Regional Transit Plan Alternatives Analysis (January-

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June 2019).

- Draft Regional Transit Plan (July-December 2019).

Responsible Agencies: DCTC, OCTC, UCTC, NYSDOT, MTA/Metro-North Railroad, and Dutchess County Public Transit.

Budget Estimate: FHWA \$0, FTA \$24,825, State \$4,655, Local \$1,552 (see Table 8).

TL 75 – Transportation Safety and Security Planning (44.26.16)

Description: The Transportation Council will conduct one or more Safety Assessments (SAs) at high-crash locations identified in *Moving Dutchess 2* or as suggested by member agencies. The SAs seek to identify low cost improvements to improve transportation safety on road corridors or intersections. Staff will generally follow FHWA’s Road Safety Audit (RSA) process and NYSAMPO’s Safety Assessment guidelines to complete each SA. Working with its member agencies, the Transportation Council will also implement safety related recommendations from *Moving Dutchess 2* and NYSDOT’s 2017 Strategic Highway Safety Plan. The Transportation Council will continue to participate on the Dutchess County Traffic Safety Board (DCTSB) to help identify and mitigate local safety issues. The Council will also support the DCTSB’s School Bus Safety Awareness Campaign, which will carry out activities (e.g. public service announcements; signage) to educate drivers about the dangers of passing school buses when they are loading or unloading students.

Products:

- Safety Assessments (April 2018-March 2019).
- Implement safety recommendations in *Moving Dutchess 2* (April 2018-March 2019).
- Dutchess County School Bus Safety Awareness Campaign support (April-December 2018).
- DCTSB meetings (April 2018-March 2019).

Responsible Agencies: DCTC, NYSDOT, and DCTSB.

Budget Estimate: FHWA \$48,632, FTA \$564, State \$9,224, Local \$3,075.

Other Activities

TL 81 – NYSAMPO Activities

Description: Transportation Council staff will continue to actively participate in the NYS Association of MPOs (NYSAMPO), which provides a forum for the 14 MPOs in the state to collaborate on mutually beneficial activities. NYSAMPO activities are supported directly with FHWA and FTA planning funds, which are matched by NYSDOT. In addition to regular staff director meetings, the Association has several working groups to promote information sharing and best practices among staff. Working groups cover specific focus areas including safety, bicycle and pedestrian planning, traffic management and operations, climate change, transit planning, travel demand modeling, and GIS mapping. DCTC staff will chair the NYSAMPO Bicycle Pedestrian Working Group in 2018.

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Products:

- NYSAMPO staff director meetings/calls (April 2018-March 2019).
- NYSAMPO working group meetings/calls (April 2018-March 2019).
- NYSAMPO Bicycle Pedestrian Working Group Chair activities (April-December 2018).

work activities for SFY 2018-2019: Tables 2 and 3 summarize the FHWA and FTA Task Budgets; Tables 4 and 5 summarize the FHWA and FTA Object Budgets; Table 6 summarizes the FTA Detailed Budget; Table 7 shows the federal, state, and local cost estimates for each individual task; and Table 8 shows the budget for the Mid-Hudson Valley TMA's Regional Transit Study.

Responsible Agencies: DCTC, NYSDOT, and NYSAMPO.

Budget Estimate: FHWA \$12,158, FTA \$2,508, State \$2,750, Local \$917.

13. Public Participation Process

The Transportation Council's Planning Committee discussed the Draft 2018-2019 UPWP at its meetings on October 25 and November 28, 2017, and January 24, 2018. On January 30, 2018, the Transportation Council issued a UPWP public notice by email and standard mail to its public information list, including local media outlets and Planning Committee members. The public notice announced the availability of the UPWP for public review and comment. The complete draft UPWP was also posted on the Transportation Council's website at www.dutchessny.gov/dctc.htm. The notice set a deadline of February 28, 2018 for comments.

14. SFY 2018-2019 Program Budgets

The following tables provide information on the use of federal, state, and county funds in support of Transportation Council

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Table 2. DCTC 2018-2019 UPWP FHWA (PL) Task Budget

UPWP Task	Federal Funding	Dutchess County (5% Match)	NYSDOT (15% Match) ¹	Total
Program Support and Administration	\$145,895	\$9,118	\$0	\$155,013
Data Development and Analysis	\$162,105	\$10,132	\$0	\$172,237
Long-Range Transportation Planning (System Level)	\$64,842	\$4,053	\$0	\$68,895
Long-Range Transportation Planning (Project Level)	\$287,737	\$17,984	\$0	\$305,721
Short-Range Transportation Planning	\$40,526	\$2,533	\$0	\$43,059
Transportation Improvement Program (TIP)	\$48,632	\$3,039	\$0	\$51,671
Planning Emphasis Areas (PEAs)	\$48,632	\$3,039	\$0	\$51,671
Other Activities	\$12,158	\$760	\$0	\$12,918
Toll Credits	n/a	n/a	\$151,974	\$151,974
Total	\$810,527	\$50,658	\$151,974	\$1,013,159

¹ NYSDOT match for FHWA (PL) funds provided through toll credits.

Table 3. DCTC 2018-2019 UPWP FTA (MPP) Task Budget

UPWP Task	Federal Funding	Dutchess County (5% Match)	NYSDOT (15% Match) ¹	Total
Program Support and Administration	\$27,585	\$1,724	\$5,174	\$34,483
Data Development and Analysis	\$5,015	\$313	\$940	\$6,268
Long-Range Transportation Planning (System Level)	\$3,761	\$235	\$705	\$4,701
Long-Range Transportation Planning (Project Level)	\$18,807	\$1,175	\$3,526	\$23,508
Short-Range Transportation Planning	\$5,015	\$313	\$940	\$6,268
Transportation Improvement Program (TIP)	\$6,269	\$392	\$1,175	\$7,836
Planning Emphasis Areas (PEAs)	\$56,420	\$3,527	\$10,579	\$70,526
Other Activities	\$2,508	\$157	\$470	\$3,135
Total	\$125,380	\$7,836	\$23,509	\$156,725

¹ NYSDOT match for FTA (MPP) funds provided through in-kind services.

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Table 4. DCTC 2018-2019 UPWP FHWA (PL) Object Budget

Item	Federal Funding	Dutchess County (5% Match)	NYSDOT (15% Match) ¹	Total
Staff Salaries	\$365,658	\$22,854	\$0	\$388,512
Fringe Benefits	\$214,751	\$13,422	\$0	\$228,173
Travel	\$2,260	\$141	\$0	\$2,401
Equipment	\$4,958	\$310	\$0	\$5,268
Supplies/Reproduction	\$4,658	\$291	\$0	\$4,949
Contractual	\$145,632	\$9,102	\$0	\$154,734
Indirect Charges	\$72,610	\$4,538	\$0	\$77,148
Toll Credits	n/a	n/a	\$151,974	\$151,974
Total	\$810,527	\$50,658	\$151,974	\$1,013,159

¹ NYSDOT match for FHWA (PL) funds provided through toll credits.

Table 5. DCTC 2018-2019 UPWP FTA (MPP) Object Budget

Item	Federal Funding	Dutchess County (5% Match)	NYSDOT (15% Match) ¹	Total
Staff Salaries	\$65,197	\$4,076	\$12,225	\$81,498
Fringe Benefits	\$37,614	\$2,351	\$7,053	\$47,018
Travel	\$1,254	\$78	\$235	\$1,567
Equipment	\$1,254	\$78	\$235	\$1,567
Supplies/Reproduction	\$1,254	\$78	\$235	\$1,567
Contractual	\$0	\$0	\$0	\$0
Indirect Charges	\$18,807	\$1,175	\$3,526	\$23,508
Total	\$125,380	\$7,836	\$23,509	\$156,725

¹ NYSDOT match for FTA (MPP) funds provided through in-kind services.

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Table 6. DCTC 2018-2019 UPWP FTA (MPP) Detailed Budget

	FTA Funding	Dutchess County (5% Match)	NYS DOT (15% Match) ¹	Total
Item				
Staff Salaries	\$65,197	\$4,076	\$12,225	\$81,498
Fringe Benefits	\$37,614	\$2,351	\$7,053	\$47,018
Travel	\$1,254	\$78	\$235	\$1,567
Equipment	\$1,254	\$78	\$235	\$1,567
Supplies/Reproduction	\$1,254	\$78	\$235	\$1,567
Contractual	\$0	\$0	\$0	\$0
Indirect Charges	\$18,807	\$1,175	\$3,526	\$23,508
Total	\$125,380	\$7,836	\$23,509	\$156,725
Task				
44.21.00 - Program Support, Administration & Liaison	\$27,585	\$1,724	\$5,174	\$18,809
44.22.00 - Data Development & Analysis	\$5,015	\$313	\$940	\$6,268
44.23.01 - Long Range Transportation Planning-System Level	\$3,761	\$235	\$705	\$6,268
44.23.02 - Long Range Transportation Planning-Project Level	\$18,807	\$1,175	\$3,526	\$15,673
44.24.00 - Short Range Transportation Planning	\$5,015	\$313	\$940	\$6,268
44.25.00 - Transportation Improvement Program	\$6,269	\$392	\$1,175	\$7,836
44.26.12 - Coordination of Non-Emergency Human Service Transportation	\$6,269	\$392	\$1,175	\$10,972
44.26.13 - Participation of Transit Operators in Metropolitan Planning	\$10,030	\$627	\$1,881	\$12,538
44.26.14 - Transit Systems Management & Operations	\$13,792	\$862	\$2,586	\$25,076
44.26.15 - Regional Transit Planning in Support of Effective Capital Investment	\$22,568	\$1,411	\$4,232	\$39,181
44.26.16 - Transportation Safety & Security	\$3,761	\$235	\$705	\$4,701
44.27.00 - Other Activities	\$2,508	\$157	\$470	\$3,135
Total	\$125,380	\$7,836	\$23,509	\$156,725

¹ NYS DOT match for FTA (MPP) funds provided through in-kind services.

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Table 7. DCTC 2018-2019 UPWP Task Cost Estimates

Task	FHWA (PL)	FTA (MPP)	NYS DOT ¹	Dutchess County	Total
TL11 - Council Support and Administration	\$70,030	\$13,793	\$15,717	\$5,239	\$104,778
TL12 - Unified Planning Work Program (UPWP)	\$14,590	\$2,759	\$3,253	\$1,084	\$21,685
TL13 - Public Participation Activities	\$18,966	\$3,862	\$4,280	\$1,427	\$28,535
TL14 - Transportation Management Area (TMA) Coordination	\$18,966	\$3,862	\$4,280	\$1,427	\$28,535
TL15 - Federal, State, and Local Reporting	\$14,590	\$1,655	\$3,046	\$1,015	\$20,306
TL16 - Professional Development	\$8,754	\$1,655	\$1,952	\$651	\$13,011
TL21 - Demographic Data and Survey Analysis and Forecasting	\$6,484	\$4,263	\$2,015	\$672	\$13,434
TL22 - Vehicle/Bicycle/Pedestrian Count Program	\$79,431	\$0	\$14,893	\$4,964	\$99,289
TL23 - Major Projects Tracking	\$12,968	\$251	\$2,479	\$826	\$16,524
TL24 - Geographic Information Systems (GIS)/Database Management	\$21,074	\$251	\$3,998	\$1,333	\$26,656
TL25 - Pavement Condition Monitoring	\$16,211	\$0	\$3,039	\$1,013	\$20,263
TL26 - Performance Monitoring	\$3,242	\$251	\$655	\$218	\$4,366
TL27 - County-wide Vehicle Speed Study	\$22,695	\$0	\$4,255	\$1,418	\$28,368
TL31 - Metropolitan Transportation Plan (MTP) Implementation	\$12,320	\$2,896	\$2,853	\$951	\$19,020
TL32 - Travel Demand Model/Transportation Data Analysis and Forecasting	\$5,187	\$113	\$994	\$331	\$6,625
TL33 - Air Quality and Energy Planning	\$3,242	\$113	\$629	\$210	\$4,194
TL34 - Congestion Management Plan (CMP)	\$32,421	\$113	\$6,100	\$2,033	\$40,667
TL35 - Travel Demand Management (TDM) Activities	\$2,594	\$113	\$507	\$169	\$3,383
TL36 - Intelligent Transportation System (ITS) Support	\$2,594	\$113	\$507	\$169	\$3,383
TL37 - Regional Freight Planning	\$3,891	\$0	\$729	\$243	\$4,863
TL38 - Regional Sustainability Planning	\$2,877	\$188	\$575	\$192	\$3,832
TL39 - State and Regional Transportation Study Liaison	\$2,594	\$113	\$507	\$169	\$3,383
TL41 - Community Transportation Planning Assistance	\$28,774	\$1,881	\$5,748	\$1,916	\$38,318
TL42 - Local Sidewalk Planning Initiative	\$94,953	\$1,881	\$18,156	\$6,052	\$121,042
TL43 - City of Poughkeepsie Transportation Planning Activities	\$100,708	\$3,761	\$19,588	\$6,529	\$130,587
TL44 - Pedestrian-Bicycle Plan Implementation	\$23,019	\$3,761	\$5,021	\$1,674	\$33,475
TL45 - Complete Streets Implementation	\$23,019	\$6,582	\$5,550	\$1,850	\$37,002
TL46 - Corridor Management Planning	\$14,387	\$940	\$2,874	\$958	\$19,159

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Table 7. DCTC 2018-2019 UPWP Task Cost Estimates (Cont'd.)

Task	FHWA (PL)	FTA (MPP)	NYS DOT ¹	Dutchess County	Total
TL51 - Transportation Impact Reviews/Sustainable Development Practices	\$36,473	\$3,761	\$7,544	\$2,515	\$50,293
TL52 - Inter-Departmental Project Coordination	\$4,053	\$1,254	\$995	\$332	\$6,633
TL61 - Transportation Improvement Program (TIP)	\$48,632	\$6,269	\$10,294	\$3,431	\$68,626
TL71 - Coordination of Non-Emergency Human Service Transportation	\$0	\$6,206	\$1,164	\$388	\$7,758
TL72 - Participation of Transit Operators in Metropolitan Planning	\$0	\$8,463	\$1,587	\$529	\$10,579
TL73 - Transit System Management and Operations	\$0	\$16,362	\$3,068	\$1,023	\$20,452
TL74 - Regional Transit Planning in Support of Effective Capital Investment	\$0	\$24,825	\$4,655	\$1,552	\$31,031
TL75 - Transportation Safety and Security Planning	\$48,632	\$564	\$9,224	\$3,075	\$61,495
TL81 - NYSAMPO Activities	\$12,158	\$2,508	\$2,750	\$917	\$18,333
Total	\$810,527	\$125,380	\$175,483	\$58,494	\$1,169,884

¹ NYS DOT match for FHWA (PL) funds provided through toll credits, while FTA (MPP) match provided through in-kind services.

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Table 8. Mid-Hudson Valley TMA Regional Transit Study Budget

MPO	FTA Section 5303 (MPP) Funding	Local (5% Match)	NYS DOT (15% Match)¹	Total	FTA Activity Code	Description
Dutchess County Transportation Council	\$79,600	\$4,975	\$14,925	\$99,500	44.26.15	Support Transit Capital Investment Decisions through Effective Systems Planning.
Orange County Transportation Council	\$100,000	\$6,250	\$18,750	\$125,000	44.26.15	Support Transit Capital Investment Decisions through Effective Systems Planning.
Ulster County Transportation Council	\$30,486	\$1,905	\$5,716	\$38,107	44.26.15	Support Transit Capital Investment Decisions through Effective Systems Planning.
Total	\$210,086	\$13,130	\$39,391	\$262,607		

¹ NYS DOT match for FTA funds provided through in-kind services.