

Erie Area Transportation Study
Metropolitan Planning Organization
2018-2020 Unified Planning Work Program

Erie County MPO- UPWP



ADOPTED BY THE ERIE MPO COORDINATING COMMITTEE

FEBRUARY 14TH, 2018

EIRE MPO
2018-2019 UPWP
BUDGET SUMMARY

WORK TASK	TOTAL BUDGET	TOTAL HWY	TOTAL TRANSIT	FEDERAL PL	FEDERAL MPP	STATE MLF	LOCAL HWY	LOCAL TRANSIT
I. PLANS and PROGRAMS	\$321,300	\$233,300	\$88,000	\$186,640	\$70,400	\$27,329	\$19,331	\$17,600
A ADMINISTRATION	\$65,340	\$59,400	\$5,940	\$47,520	\$4,752	\$6,958	\$4,922	\$1,188
B COORDINATION	\$52,900	\$52,900	\$0	\$42,320	\$0	\$6,197	\$4,383	\$0
C PENNDOT CONNECTS	\$8,000	\$8,000	\$0	\$6,400	\$0	\$937	\$663	\$0
D LONG RANGE TRANSPORTATION PLAN	\$66,000	\$60,000	\$6,000	\$48,000	\$4,800	\$7,029	\$4,971	\$1,200
E PROGRAMMING	\$36,000	\$36,000	\$0	\$28,800	\$0	\$4,217	\$2,983	\$0
F PUBLIC TRANSPORTATION	\$76,060	\$0	\$76,060	\$0	\$60,848	\$0	\$0	\$15,212
G BICYCLE AND PEDESTRIAN	\$17,000	\$17,000	\$0	\$13,600	\$0	\$1,991	\$1,409	\$0
	\$0		\$0					
II. LAND USE/TRANSPORTATION LINKAGES/MODERNIZATION	\$10,000	\$10,000	\$0	\$8,000	\$0	\$1,171	\$829	\$0
A COMP AND DEVELOPMENT PLAN REVIEW	\$10,000	\$10,000	\$0	\$8,000	\$0	\$1,171	\$829	\$0
III. DATA COLLECTION and ANALYSIS	\$86,700	\$86,700	\$0	\$69,360	\$0	\$10,156	\$7,184	\$0
A TRAVEL DEMAND MODELING	\$60,000	\$60,000	\$0	\$48,000	\$0	\$7,029	\$4,971	\$0
B HIGHWAY PERFORMANCE MONIORING SYSTEM (HPMS)	\$6,700	\$6,700	\$0	\$5,360	\$0	\$785	\$555	\$0
C MISCELLANEOUS DATA COLLECTION AND ANALYSIS	\$20,000	\$20,000	\$0	\$16,000	\$0	\$2,343	\$1,657	\$0
IV. PROJECT DELIVERY	\$28,563	\$20,000	\$8,563	\$16,000	\$6,850	\$2,343	\$1,657	\$1,713
A MONITOR KEY PROJECTS	\$8,000	\$8,000	\$0	\$6,400	\$0	\$937	\$663	\$0
B PUBLIC TRANSIT PROJECTS	\$8,563		\$8,563	\$0	\$6,850	\$0	\$0	\$1,713
C GRANT FUNDED PROJECTS(TA-SET ASIDE,MTA, GLG)	\$12,000	\$12,000	\$0	\$9,600	\$0	\$1,406	\$994	\$0
VI. SPECIAL STUDIES FUNDING	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TBD	\$0		\$0	\$0	\$0	\$0	\$0	\$0
TOTAL	\$446,563	\$350,000	\$96,563	\$280,000	\$77,250	\$41,000	\$29,000	\$19,313

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PURPOSE

The Unified Planning Work Program (UPWP) lists the transportation planning activities to be completed by the Erie County Metropolitan Planning Organization (Erie MPO) between July 1, 2018 and June 30, 2020. Preparation of this document is a required element of federal metropolitan transportation planning regulations.

INTRODUCTION

Federal law and regulations require that in all urbanized areas with a population of over 50,000 persons, local and state officials work cooperatively to maintain a continuous and comprehensive long-range transportation planning program. This federal mandate is carried out by a formal group called a "metropolitan planning organization (MPO)".

The Erie Area Transportation Study, Erie MPO was formed in 1964, to administer a continuing, comprehensive, and cooperative planning process (3Cs) for transportation in the Erie Urban Area. The initial area included the City of Erie, Millcreek Twp, Wesleyville Twp, and Harborcreek Twp. Over years the organization has expanded to include all municipalities and transportation authorities within the MPO boundary such as Erie Metropolitan Transit Authority (EMTA), Western Pennsylvania Port Authority (Port of Erie), and the Erie International Airport Authority (ERI).

COMMITTEE STRUCTURE

The policy-making body of the Erie MPO is the Coordinating Committee, which is responsible for the transportation planning activities mandated in federal laws and regulations. The Coordinating Committee includes twenty-three (23) voting members from county and local government, public agencies, and PennDOT.

Voting members:

County of Erie	City of Erie (6 members)
Millcreek Township (2 members)	Fairview Township
Harborcreek Township	Lawrence Park Township
City of Corry	Summit Township
Wesleyville Borough	Erie County Association of Boroughs
Erie Western PA Port Authority	Erie County Association of Township Officials
Erie Metro Transit Authority	Erie International Airport Authority
PennDOT Central Planning and Programming (Harrisburg)	
PennDOT District 1-0 (Oil City)	

Non-voting members:

Federal Highway Administration	Federal Transit Administration
PA Department of Economic Development	Federal Aviation Administration
Federal Highway Administration	Federal Transit Administration
Housing and Urban Development	

A Technical Committee provides comments and recommendations to the Coordinating Committee in an advisory role. The Technical Committee is comprised of members from the same organizations represented on the Coordinating Committee.

RESPONSIBILITIES

The federal *Fixing America's Surface Transportation (FAST) Act* legislation, and the federal Statewide and Metropolitan Transportation Planning Final Rule specify the roles and responsibilities of MPOs, including development of a long-range transportation plan, a short-range Transportation Improvement Program, and public involvement efforts. The FAST Act and federal rulemaking also specify MPO planning processes and activities.

Long Range Transportation Plan (LRTP)

One of the key responsibilities of the Erie MPO is to adopt a long-range transportation plan (minimum twenty-year horizon). The Erie MPO's LRTP 2042 was adopted in March 2017. An update to the Erie MPO LRTP 2042 must be updated by March 2022.

Transportation Improvement Program (TIP)

Another primary responsibility of the Erie MPO is to approve federal funding for highway and transit projects, through the adoption of a short-range TIP. The TIP includes federal funds and some state capital funds for specific projects over a four-year period, within specific limits of financial constraint. In order to be on the TIP, projects or project funding must also be on the adopted LRTP. The Erie MPO works closely with the community stakeholders, EMTA and PennDOT to develop and adopt the TIP, which is updated every two years. The Erie MPO is currently operating under the 2017-2020 TIP, with a new 2019-2022 TIP scheduled to be adopted in June 2018 and become effective on October 1, 2018.

Air Quality Conformity

The *Clean Air Act Amendments (CAAA) of 1990* specifies planning activities for MPO areas exhibiting air quality that is not in attainment with acceptable standards. Prior to 2017, air quality in Erie County was in attainment with CAAA standards. Updated standards designated Erie County as a non-attainment area for ozone. Subsequent air quality measurements enabled Erie County to be as an attainment "maintenance" area. In 2013, legal proceedings at the federal level changed standards again, and Erie County was determined to be in attainment with CAAA standards. Thus, special planning activities and air quality conformity analyses are no longer required as part of preparation of the Erie MPO's LRTP and TIP.

Public Participation

To facilitate involvement in the transportation planning process, the Erie MPO adopted a Public Participation Plan (PPP) in 2007. The PPP is reviewed and updated on a periodic basis, and a significant update was completed in 2015. Further updates are scheduled to be completed in 2018. The PPP specifies that proposed plans and programs such as the LRTP and TIP must be made available for public review during a thirty (30) day comment period. The MPO is also required to hold a public meeting during this comment period.

Environmental Justice/Title VI

The Erie MPO is required to maintain and update a program of activities to address Environmental Justice and Title VI regulations, to prevent or mitigate adverse impacts to areas with concentrations of low income and minority populations. Concentrations of low income and minority households have been identified and mapped based on U.S. Census 2010 and American Community Survey data. The Erie MPO analyzes the data to determine whether there are any disproportionate impacts to the populations of concern. A program of activities to communicate with citizens in those areas about plans and programs must also be maintained. Existing techniques will be refined, and new techniques developed on an ongoing basis to improve analyses and communication between citizens, agencies and organizations, and the Erie MPO. A Limited English Proficiency (LEP) Plan was adopted in 2015 to facilitate access to the information and services provided by the Erie MPO.

STAFFING AND AGENCY SUPPORT

The Erie County Department of Planning (ECDP) administers the Erie MPO's planning and program management functions. The ECDP provides staff, technical, and clerical support. Also, the ECDP Transportation Planner performs the duties of the Erie MPO Secretary.

The Erie MPO/ECDP has the primary role and responsibility in ensuring that the transportation planning process is being carried out in accordance with Federal and State regulations. The role of the Coordinating Committee members is to provide representation for their municipality/organization in order to facilitate an integrated and informed decision-making process; which incorporates all concerns and issues into the development of policies and actions. Planning and programming activities routinely administered and monitored by the ECDP/Erie MPO include: Air Quality Conformity; Congestion Management Process; Long Range Transportation Plan; Twelve Year Transportation Program; Highway and Transit Transportation Improvement Programs (TIPs); Traffic Monitoring (TMS/H); Highway Monitoring (HPMS); Travel Demand Forecasting; Transportation GIS Database; Transportation Corridor Studies; and the Unified Planning Work Program (UPWP).

Several other agencies/organizations play vital roles in the transportation planning process for the Erie area. These agencies include the Pennsylvania Department of Transportation (PennDOT), the Erie Metropolitan Transit Authority (EMTA), the Erie-Western Pennsylvania Port Authority (EWPPA), Erie Parking Authority, and the Erie Regional Airport Authority (ERAA), which are responsible for the continued maintenance and development of the multimodal transportation infrastructure network. Also involved are Erie County's local municipal officials, who are the principal source for identifying both the capital needs and service needs for their respective areas as well as representing citizen concerns. Other area stakeholders such as business/industry organizations and community/neighborhood groups are also active participants in the planning process. Erie County is continually striving to develop a comprehensive transportation strategy for the future through the active coordination with and participation of these agencies and the public and better serve the PennDOT Connects process.

SUMMARY OF PRIORITY ACTIVITIES IN FY 2018-20

Task I.A – Administration

I.A.6: Develop new Agreements and Memorandum of Understanding with key stakeholders.

I.A.11: Prepare for and participate in federal Planning Process Review conducted by FHWA and FTA.

Task I.C – PennDOT Connects

I.C.1: Participate in PennDOT Connects collaboration activities for initiating new projects and programs.

Task I.D – Long Range Transportation Planning

I.D.1: Prepare and adopt new LRTP by September 2022.

Task I.E – Programming

I.E.2: Develop and adopt new 2021-2024 Erie County TIP by June 30, 2020.

Task I.F – Public Transportation Planning

I.F.1: Complete public transportation planning activities.

I.F.2: Manage EMTA Transit Development Plan for fixed routes to be complete by January 30th, 2019.

Task I.G – Bicycle and Pedestrian System

I.G.1.: Plan and implement bicycle/pedestrian improvements.

I.G.2.: Prepare information for submittal of Bicycle Friendly Community designations.

Task IV.A – Monitor Key Projects

IV.A.1: Participate in pre-construction and design activities for projects on the LRTP and TIP.

IV.A.5: Participate in efforts to advance Bayfront Multimodal Improvements and Presque Isle Corridor Improvements.

The following pages provide details about the transportation planning activities to be completed in FY 2018-20.

I. PLANS AND PROGRAMS

A. Administration

Circulate Technical and Coordinating Committee meeting agendas not less than five (5) working days prior to meetings. Continue to utilize electronic distribution of materials as appropriate.

Submit monthly and quarterly progress reports and invoices to PennDOT within thirty (30) days after the end of the reporting period.

Periodically review and evaluate the effectiveness of the Erie MPO's Public Participation Plan (PPP), including engagement by transportation disadvantaged communities. Periodically review and update the Limited English Proficiency (LEP) Plan and the Title VI/Non-Discrimination Compliance Plan. Improve efforts to address Environmental Justice (EJ) requirements to ensure that low income, minority, non-English speaking and LEP population concentrations are informed about, and have the opportunity to be involved in MPO activities. Expand use of social media as a method of communicating with populations of concern and citizens in general. Complete on an ongoing basis.

Ensure that requirements for Disadvantaged Business Enterprises (DBE) participation in contracting practices are being addressed. Prepare a list of all contracts and their respective DBE goals, including documentation of the method for establishing goals. Provide information to PennDOT illustrating goals, participation, and payments for all contracts and UPWP tasks. Complete on an ongoing basis.

Participate in equal opportunity, non-discrimination, and DBE training offered by PennDOT, the Federal Highway Administration (FHWA), and the Federal Transit Administration (FTA). Work with the PennDOT Bureau of Equal Opportunity to provide on-site DBE training for the MPO and other local partners. Also participate in training for Pennsylvania's Small Business Procurement Initiative (SBPI) and Small Diverse Business Program (SDB). The purpose of the SBPI is to increase opportunities for small businesses to compete for Commonwealth contracts as prime contractors. Complete on an ongoing basis.

Work with PennDOT and FHWA to implement the new Office of Management and Budget (OMB) Super Circular requirements. Complete as needed.

Use the County of Erie's website to share planning and programming information, regulatory information, and other transportation-related documents from various agencies and organizations with the public, tribal governments, and other stakeholders.

Include links to PennDOT documents on the website for review and comment. Complete on an ongoing basis.

Respond to requests for changes to the Erie MPO’s bylaws, funding formula, and membership structure.

	Year 1	Year 2
FHWA PL funds	\$47,520	\$47,520
FTA MPP funds	\$ 4,752	\$ 4,752
State funds	\$ 6,841	\$ 6,841
Local funds	\$ 5,239	\$ 5,239
TASK TOTAL	\$59,400	\$59,400

B. Coordination

Provide information, data and technical assistance to Erie MPO member-organizations, PennDOT, public and private organizations, the general public, and the media. Assist PennDOT with outreach to County and municipal governing bodies, other stakeholders, and the public. Attend meetings of organizations, municipalities and other groups to participate in discussion of transportation-related issues. Complete as needed.

Attend relevant training, and assist PennDOT, FHWA and FTA in implementing federal and state mandates included in the *Fixing America’s Surface Transportation (FAST) Act* legislation, rulemaking for the *FAST Act*, and other regulations governing the transportation planning and programming process. Complete as needed.

Consistent with PennDOT’s modernization efforts, expand the use of technology to more efficiently provide opportunities for coordination and collaboration particularly in GIS. Complete as needed.

	Year 1	Year 2
FHWA PL funds	\$42,320	\$42,320
FTA MPP funds	\$0	\$0
State funds	\$ 6,197	\$ 6,197
Local funds	\$ 4,383	\$ 4,383
TASK TOTAL	\$52,900	\$52,900



C. PennDOT Connects

1. Participate in PennDOT Connects activities, including scheduling of and attendance at collaboration meetings with municipalities and other stakeholders; preparation of documentation; follow-up communications; preparation of Project Initiation Forms for projects and programs proposed for the LRTP and TIP; and participation in Connects training opportunities. Complete on an ongoing basis.

	Year 1	Year 2
FHWA PL funds	\$6,400	\$6,400
FTA MPP funds	\$ 0	\$ 0
State funds	\$ 937	\$ 937
Local funds	\$ 663	\$ 663
TASK TOTAL	\$8,000	\$8,000

D. Long-Range Transportation Planning

Amend and update the Erie County LRTP 2042 by March 2022, in coordination with PennDOT, FHWA and FTA and consistent with all federal and state requirements. Coordinate with PennDOT, FHWA, and FTA to employ performance measures and implementation strategies in the LRTP and the Transportation Improvement Program (TIP). Complete by June 30, 2020.

Include documentation in the LRTP about how the following topics are addressed:

- Current and projected travel patterns and demand for movement of persons and goods*
- Crash data and safety measures that support the PA Strategic Highway Safety Plan*
- Operational and management strategies to improve the performance of existing facilities, including reducing congestion, improving mobility, and energy savings*
- Capital investment and strategies to preserve existing and future transportation infrastructure*
- Benefits and Burdens analysis*
- Visualization techniques*
- Project selection and prioritization techniques*
- Performance based planning and programming*
- Periodic review of PPP*

Establish and maintain a dialogue for coordinating modifications to the LRTP and TIP to ensure that fiscal constraint is maintained, particularly when advancing projects from the LRTP to the TIP and converting line item funding to specific projects. The process is intended to strengthen the link between transportation planning and project programming, and to expedite the process of delivering projects. Complete as needed.



Use the PennDOT Connects project initiation form screening during the LRTP process. This should be submitted to the district and follow up with once a project is ready to be moved to the TIP. Complete as needed.

Assist PennDOT with asset management activities, including maintaining the inventory of:
Locally-owned bridges less than 20 ft. in length
Locally-owned, non-federal-aid designated roadways

Work with PennDOT to develop minimum data collection requirements for inventories of other local transportation assets such as:

Traffic signals

Freight facilities

Bicycle/pedestrian facilities

Signage

Transit fleet/facilities

Intelligent Transportation Systems (ITS) infrastructure

Storm water facilities

Public involvement efforts will be consistent with the Erie MPO's PPP and LEP. Improve efforts to address EJ requirements, to ensure that low income, minority, non-English speaking and LEP population concentrations are informed about, and have the opportunity to be involved in, the update of the LRTP. Address the impact of projects included in the LRTP on low income and minority population concentrations. Complete on an ongoing basis.

Monitor and evaluate process for collecting statistical data (race, sex, national origin/limited English proficiency, age, disability, income, etc.) of participants in, and beneficiaries of, transportation programs; and ensure that data is current and accurate for preparation of benefits and burdens analysis. Complete on an ongoing basis.

Collect and analyze travel pattern data to help establish performance targets and assess performance in future years. Identify livability, sustainability, and resiliency planning strategies to link the quality and location of transportation facilities and services with access to safe streets; essential employment, affordable housing, health care, education and recreation services; and to ensure social equity and environmental conservation. Use sources such as the U.S. Census, American Community Survey, origin/destination studies, travel surveys, etc. Complete on an ongoing basis.

As part of PennDOT's Transportation Systems Management and Operations (TSMO) initiative, assist in assessing the need for planning and deploying ITS and advanced technology projects (e.g. signal operations, traffic data collection, etc.), including the update of ITS architecture. Ensure

consistency of planned projects and programs with PennDOT’s TSMO, Traffic Operations Policies and Guidelines, and the PennDOT District 1-0 Regional Operations Plan (ROP). Complete as needed.

Work with PennDOT, other MPO/ RPO areas, and other stakeholders to prioritize critical multi-modal facilities and intermodal connectors that link economic and employment centers, workforce catchment areas, and national and international markets. Work with these partners to develop a network that provides the core connections for moving people and freight within the Commonwealth, and to national and international destinations. Complete as needed.

Enhance freight movement planning in the LRTP by developing inventories of freight-related infrastructure and surveying the stakeholders about needs and concerns. Support improvements in freight infrastructure, National Highway System (NHS) intermodal freight connections, and National Highway Freight Network (NHFN) links. Complete by June 30, 2022.

Update the designation of roadway links that should be included on the federal functional classification system, the federal-aid highway system, the NHS and its intermodal links, the NHFN, and the statewide inventory of intermodal facilities. Completion by February 28, 2019.

Work with PennDOT and FHWA to facilitate safety planning, including road safety audits and field views of high crash locations. Incorporate data-driven safety planning activities into the selection and prioritization of projects in the LRTP and TIP. Complete on an ongoing basis.

Complete detailed corridor/subarea congestion management studies as necessary to help implement projects on the LRTP and TIP. Complete as needed.

Work with PennDOT and the Pennsylvania Department of Environmental Protection (DEP) to monitor and evaluate greenhouse gas emissions, and assist in implementing Pennsylvania’s *Climate Change Action Plan*. Complete as needed.

	Year 1	Year 2
FHWA PL funds	\$48,000	\$48,000
FTA MPP funds	\$ 4,800	\$ 4,800
State funds	\$ 7,029	\$ 7,029
Local funds	\$ 6,171	\$ 6,171
TASK TOTAL	\$66,000	\$66,000



E. Programming

Assist PennDOT and EMTA in modifying the adopted 2017-2020 and 2019-2022 TIPs, including periodic reporting of administrative actions, presenting and approving amendments, and submitting amendments to PennDOT through the electronic eSTIP process. Complete as needed.

Work with PennDOT and EMTA to develop and adopt the new 2021-2024 TIP. Use the PennDOT Connects project initiation form to initiate all new projects for the TIP, and to make the most effective use of funding available for the TIP by programming projects with an appropriate scope and cost. Document the PennDOT Connects collaboration process, the project selection and prioritization process, and all public involvement efforts. Adopt the TIP by June 30, 2020.

Collaborate with the State Transportation Commission (STC) and PennDOT in soliciting input from citizens for the update of the Commonwealth's Twelve Year Transportation Program (TYP). Utilize input in the development of the LRTP and TIP. Complete on an ongoing basis.

Public involvement efforts will be consistent with the Erie MPO's PPP and LEP. Improve efforts to address EJ requirements, to ensure that low income, minority, non-English speaking and LEP population concentrations are informed about, and have the opportunity to be involved in the development of the TIP. Address the impact of projects included in the TIP on low income and minority population concentrations. Complete on an ongoing basis.

Coordinate with PennDOT and project sponsors to evaluate funding approaches to advance projects, or phases of projects, that are in later years of the TIP. Also work with PennDOT to develop strategies for advancing, modifying, or closing out projects that are outside of the Erie MPO's fiscal constraint limits. Complete as needed.

Work with PennDOT, the Governor's Action Team, local officials, and the private sector to promote public/private partnerships (P3s) and implement innovative financing mechanisms for capital projects that address regional transportation issues and support economic and community development initiatives. Encourage use of the Pennsylvania Infrastructure Bank (PIB) to finance transportation projects, including community reinvestment projects and economic development initiatives. Complete as needed.

Participate in application cycles administered by PennDOT for the Multimodal Transportation Program (MTP), Green Light Go (GLG), and Transportation Alternatives Set Aside. Provide information and assistance to prospective applicants, and prepare comments about candidate projects for consideration by PennDOT in the selection of projects. This should be done for all state and federal grant programs. Complete on an ongoing basis.

Continue to update linkages between Erie County and PennDOT websites to improve access to PA Transportation Projects and PennDOT One Map visualization applications. Complete on an ongoing basis.

Coordinate with PennDOT, FHWA, and FTA to implement provisions of the FAST Act and regulations promulgated to support the legislation. Particular attention will be given to performance measures and targets, freight movement, accelerated project delivery and environmental streamlining, and the Transportation Alternatives Set-Aside Program. Complete as needed.

Monitor state and federal legislative initiatives regarding transportation funding, and provide information to help the Erie MPO establish policy positions regarding transportation funding. Complete on an ongoing basis.

	Year 1	Year 2
FHWA PL funds	\$28,800	\$28,800
FTA MPP funds	\$ 0	\$ 0
State funds	\$ 4,217	\$ 4,217
Local funds	\$ 2,983	\$ 2,983
TASK TOTAL	\$36,000	\$36,000

F. Public Transportation Planning

Coordinate public transportation planning with EMTA and other transportation providers to complete planning activities for public transportation projects and programs that may be included on the LRTP and TIP. Complete on an ongoing basis.

Manage and support the completion of EMTA’s Transit Development Plan for fixed routes. Complete by June 30, 2019.

Assist in operations planning in order to optimize use of federal, state, and local funding in for transit and paratransit service, rural and commuter service, fleet rehabilitation and replacement, and implementation of demand management strategies. Continue outreach efforts with employers and business interests. Complete on an ongoing basis.

Analyze public transit data and prepare periodic reports. Complete on an ongoing basis.



In coordination with EMTA and consistent with the Erie MPO's PPP and LEP, identify low income, minority, non-English speaking and LEP population concentrations and provide opportunities for those populations to offer input about the development of new or revised public transportation services. Efforts to provide services to these population concentrations will be closely coordinated with other agencies and organizations. Complete as needed.

	Year 1	Year 2
FHWA PL funds	\$ 0	\$ 0
FTA MPP funds	\$60,848	\$60,848
State funds	\$ 0	\$ 0
Local funds	\$15,212	\$15,212
TASK TOTAL	\$76,060	\$76,060

G. Bicycle and Pedestrian System

Plan and implement bicycle and pedestrian improvements included in the LRTP 2042, regional and municipal comprehensive plans, Erie County Parks Trails and Recreation Plan, Erie to Pittsburgh Trail, PA Route 6 Master Plan. Complete on an ongoing basis.

Assist municipalities to identify how to designate as a Bicycle Friendly Community (BFC) from the League of American Bicyclists. Prepare information for renewal of the BFC designation as needed. Complete as needed.

Assist local companies and organizations in applying for the League's Bicycle Friendly Business designation. Complete as needed.

Coordinate with local stakeholders to plan and implement bicycle education courses and programs, and special events that encourage the use of bicycles. Complete on an ongoing basis.

Provide assistance to municipalities and organizations in the design, implementation, and maintenance of bicycle and pedestrian improvements. Complete as needed.

Provide support and assistance with the creation and implementation of the Erie County Parks, Trails, & Recreation Plan.

	Year 1	Year 2
FHWA PL funds	\$13,600	\$13,600
FTA MPP funds	\$ 0	\$ 0
State funds	\$ 1,991	\$ 1,991
Local funds	\$ 1,409	\$ 1,409
TASK TOTAL	\$17,000	\$17,000

II. LAND USE/TRANSPORTATION LINKAGES

A. Comprehensive & Development Plan Review

Major development plans and rezoning requests which impact the highway system will be reviewed for consistency with the LRTP and TIP, and to determine whether the LRTP and TIP should be modified. Participate in Transportation Impact Studies and Highway Occupancy Permits to ensure that development plans are coordinated with local land use/transportation/community development planning efforts, and that all transportation modes are considered. Complete as needed.

Work with PennDOT and municipalities to implement access management strategies that preserve existing roadway capacity and provide an alternative to future capacity improvements. Promote right-of-way preservation activities and use of tools such as transportation impact fees and the municipal Official Map to more closely link transportation and land use planning. Complete as needed.

Work with county and municipal officials to coordinate land use and transportation planning. Assist in the preparation of County, multi-municipal, and municipal comprehensive plans, and encourage consistency between comprehensive plans and the LRTP and TIP. Document land use planning activities performed in conjunction with transportation projects. Complete as needed.

Develop intergovernmental planning processes and complete multi-municipal, corridor-focused land use/transportation assessments for specific geographic areas, based on needs identified in County, multi-municipal or municipal comprehensive plans. The assessments should be completed as part of the LRTP process, and prior to specific projects being included on the TIP, in order to improve the prioritization and selection of candidate projects. Complete as needed.

	Year 1	Year 2
FHWA PL funds	\$ 8,000	\$ 8,000
FTA MPP funds	\$ 0	\$ 0
State funds	\$ 1,171	\$ 1,171
Local funds	\$ 829	\$ 829
TASK TOTAL	\$ 10,000	\$ 10,000



III. DATA COLLECTION AND ANALYSIS

A. Highway Performance Monitoring System (HPMS) Data Collection

Verify and update roadway inventory and performance measures on approximately 131 HPMS sample sections of roadway on the Federal-Aid Highway System, including any additional segments that may be required based on Urban Boundary revisions, in accordance with the HPMS Manual specifications. Complete by December 6, 2018 and 2019.

	Year 1	Year 2
FHWA PL funds	\$ 5,360	\$ 5,360
FTA MPP funds	\$ 0	\$ 0
State funds	\$ 772	\$ 772
Local funds	\$ 568	\$ 568
TASK TOTAL	\$ 6,700	\$ 6,700

B. Travel Demand Model

The Erie MPO will continue to maintain and update the travel demand model for evaluating performance measures and candidate projects for the LRTP, and for developing data for other local subarea analyses, transportation studies, and project-specific purposes. This is done through the use of an open-end agreement, currently this is with WRA Consulting.

Tasks for maintaining the model include, but are not limited to:

- Licensing to operate the software
- Periodic upgrading of the software
- Updating socioeconomic input data
- Updating of traffic analysis zones (TAZs) to address socioeconomic and land use changes
- Updating the base highway network
- Recalibration of the model
- Analysis of new alternative highway networks and specific projects

	Year 1	Year 2
FHWA PL funds	\$48,000	\$48,000
FTA MPP funds	\$ 0	\$ 0
State funds	\$ 7,029	\$ 7,029
Local funds	\$ 4,971	\$ 4,971
TASK TOTAL	\$60,000	\$60,000

C. Miscellaneous Data Collection and Analysis

Task Description below is a based reference and should not be limited to:

- Collect, develop and maintain GIS data to assist with transportation-related projects
- Collect local asset data as needed for PennDOT
- Create maps for communities and other transportation stakeholders
- Continue to monitor and evaluate the county’s Congestion Management Process (CMP) and use it as a planning tool when developing the TIP or making other programming decisions
- Continue involvement with PennDOT’s Transportation Systems Management and Operations (TSMO) initiative by planning for Intelligent Transportation Systems (ITS) elements and other traffic operation improvements. Factor this into TIP development, as necessary.
- Participate in TSMO-related workshops when travel is conducive
- Participate in data-driven safety planning activities that lead to better consideration of safety in the selection and prioritization of transportation projects
- Participate in road safety audit (RSA) studies. This would encompass working collaboratively with District 1-0’s safety unit and a to-be-determined consultant to perform the RSAs.

	Year 1	Year 2
FHWA PL funds	\$16,000	\$16,000
FTA MPP funds	\$ 0	\$ 0
State funds	\$ 2,343	\$ 2,343
Local funds	\$ 1,657	\$ 1,657
TASK TOTAL	\$20,000	\$20,000



IV. PROJECT DELIVERY

A. Monitor Key Projects

Participate in pre-construction activities for projects on the LRTP and TIP. Assist PennDOT, other project sponsors, and consultant teams with preparing documents, particularly trend analysis (land use, socioeconomic, economic development, etc.), secondary/cumulative affect analysis, and context sensitive solutions. Provide input about preliminary design elements of projects. Complete as needed.

Attend advisory committee meetings, workshops, special meetings with consultant teams, and public meetings. Review information about the projects, provide status reports to local officials and the Erie MPO, and respond to requests for information from citizens and organizations. Complete as needed.

Work with PennDOT and project sponsors to administer traditional and non-traditional projects, programs, and initiatives. Coordinate with sponsors to monitor project status, and ensure that projects are completed on-time and within budget. Complete on an ongoing basis.

Provide information and assistance to PennDOT and sponsors in order to implement approved grant awarded projects particularly Multimodal Transportation Program projects. Complete on an ongoing basis.

Monitor the status of major projects that are included on the TIP and the Commonwealth’s Twelve Year Program. Provide input to PennDOT, state and other officials about efforts to initiate work on the projects. Complete as needed.

	Year 1	Year 2
FHWA PL funds	\$20,000	\$20,000
FTA MPP funds	\$ 0	\$ 0
State funds	\$ 2,400	\$ 2,400
Local funds	\$ 2,600	\$ 2,600
TASK TOTAL	\$25,000	\$25,000

B. Public Transit Projects

Work with EMTA, participating municipalities and interested parties to implement strategies, programs and projects recommended included in EMTA Transit Development Plan (2019) Complete on an ongoing basis.

Implement public transportation projects included on the LRTP and TIP, including park and ride lots, provision of new or expanded transit service, deployment of APTS projects, rehabilitation or replacement of rolling stock, and improvements to infrastructure. Complete on an ongoing basis.

Investigate opportunities for special project funding and other grant opportunities focused on implementing public transportation improvements. Complete as needed.

Collaborate with EMTA and their use of Remix software to analyze new projects or routes

Support large event operations planning for key Tourism operations such as Tall Ships America and Presque Isle Days.

Support planning projects involved with the Presque Isle Multimodal Plan and route extensions throughout the region

	Year 1	Year 2
FHWA PL funds	\$ 0	\$ 0
FTA MPP funds	\$6,850	\$6,850
State funds	\$ 0	\$ 0
Local funds	\$1,713	\$1,713
TASK TOTAL	\$8,563	\$8,563



C. Grant Funded Projects

Provide information and assistance to PennDOT and sponsors in order to implement approved grant related projects such as Transportation Alternatives (TA) Set-aside, Green Light Go, Multimodal projects. Complete on an ongoing basis.

Participate in TA application cycles administered by PennDOT. Provide information and assistance to prospective applicants, and prepare comments about candidate projects for consideration by the Erie MPO Committees and PennDOT in the selection of projects. Complete on an ongoing basis.

	Year 1	Year 2
FHWA PL funds	\$9,600	\$9,600
FTA MPP funds	\$ 0	\$ 0
State funds	\$ 1,406	\$ 1,406
Local funds	\$ 994	\$ 994
TASK TOTAL	\$12,000	\$12,000

