



# **UNIFIED PLANNING WORK PROGRAM**

**CY-2016 & 2017**

**January 1, 2016 through December 30, 2017**

Final approved by the BACTS Policy Committee on September 15, 2015  
(contingent on no significant comments after Maine DOT review)

## TABLE OF CONTENTS

INTRODUCTION	2
TASK 1. ADMINISTRATION/COORDINATION	3
TASK 2. PROFESSIONAL DEVELOPMENT	4
TASK 3. DATA COLLECTION & DATABASE MANAGEMENT ACTIVITIES	5
TASK 4. PUBLIC OUTREACH AND EDUCATION	7
TASK 5. MODELING ACTIVITIES	8
TASK 6. SIGNAL IMPROVEMENT ACTIVITIES	9
TASK 7. BICYCLE AND PEDESTRIAN PLANNING	10
TASK 8. TRANSPORTATION SAFETY	11
TASK 9. TRANSPORTATION SECURITY	12
TASK 10. FREIGHT PLANNING	13
TASK 11. TRANSPORTATION IMPROVEMENT PROGRAM (TIP) DEVELOPMENT	14
TASK 12. DEVELOPMENT OF PERFORMANCE MEASURES	15
TASK 13. LONG RANGE PLAN UPDATE	16
TASK 14. STUDIES	17
TASK 15. TRANSIT PLANNING	18
PUBLIC COMMENTS AFTER NOTICE OF INTENT TO DEVELOP CY- 2016-2017 UPWP	20
BACTS BUDGET SUMMARY CY 2016-2017 UNIFIED PLANNING WORK PROGRAM	20
BACTS UPWP TASKS RELATING TO THE 8 MAP-21 PLANNING FACTORS	20

## INTRODUCTION

This fiscal years 2016-2017 Unified Planning Work Program (UPWP) has been developed to specify and direct the activities of the Bangor Area Comprehensive Transportation System (BACTS) during the fiscal years beginning January 1, 2016 to December 30, 2017. This program satisfies the requirements of the Federal Highway and Federal Transit Administration detailed in 23 CFR Part 450, Subpart A, which specifies and governs the activities of Metropolitan Planning Organizations (MPOs). The municipalities of Bangor, Bradley, Brewer, Hampden, Hermon, Old Town, Orono, Milford, Orrington, Veazie, and Penobscot Indian Nation operate the BACTS MPO together with the Maine Department of Transportation (MDOT) to carry out the federally mandated and funded transportation planning process for the Bangor urbanized area designated by the Bureau of Census.

BACTS prepares a UPWP that spans two calendar years to coincide with the Maine DOT's process. This UPWP details all the transportation planning activities scheduled to be accomplished within the MPO's boundaries during these two upcoming calendar years. Further, the Federal and State DOT agencies affected must indicate concurrence with the elements of that plan.

The primary goal of the BACTS Policy Committee has been to provide for the safe, economical, efficient, effective and convenient movement of people and goods over a multimodal transportation system compatible with the socioeconomic and environmental characteristics of the region. To accomplish this end, BACTS has: 1) cooperated with all local transportation providers in allocating monies to priority programs; 2) cooperated with municipal public works and highway departments to identify needs; and 3) cooperated with the Maine Department of Transportation to prioritize and fund selected projects.

BACTS has developed a matrix located on page 22 that lists the 15 tasks in this UPWP and how they relate to the 8 metropolitan planning factors identified by FHWA and FTA.

The planning strategy employed by BACTS to reach their goal of developing a balanced transportation system, providing a suitable mix of highway and public transit services, improving arterial streets, modernizing traffic controls, keeping the Community Connector operating at reasonable fares and expanding the urban transportation system to meet changing social and economic needs has been driven by economic response to highest priority situations. This strategy relates to economic realities, to practical solutions, to political viability, and to the choices in the marketplace. BACTS has been able, with the help of consultants, to identify priority areas relating to highway and transit that need improvement and to quantify the costs for those projects.

The "BACTS Public Involvement in Metropolitan Transportation Planning" policy was adopted in July 2015. It will continue to provide the guide for public involvement. It is BACTS' intent to provide the public the opportunity for reasonable involvement while developing and carrying out the CY 2016 - 2017 UPWP. BACTS has incorporated the principles of Title VI, environmental justice, to try and ensure that all citizens have a voice that will be heard and considered during this process.

This CY 2016- 2017 UPWP continues to maintain the programs and databases previously developed establishes new plans, programs, and data bases to further advance the planning process in the BACTS area. This UPWP defines the multimodal transportation planning activities to be accomplished in the BACTS urban area during CY 2016 -2017.

## **TASK 1. ADMINISTRATION/COORDINATION**

### OBJECTIVE

To fund the administrative cost for providing assistance to the BACTS Policy, Executive, Public Transit Advisory, and various Planning Study Advisory Committees at the local level; for administering and coordinating all aspects of the transportation planning effort between local, state, and federal agencies; to conduct financial audits as required; and for providing day-to-day direction and coordination of the BACTS MPO process.

### PREVIOUS WORK

The director/coordinator function has been staffed since FY 1984 for the purpose of performing the tasks listed above. BACTS also has two full-time positions, a senior transit/transportation planner, a transportation technician, and one part-time position: an office manager.

### ACTIVITIES

1. Coordinate basic functions among federal, state and local agencies including Federal Highway Administration (FHWA), Federal Transit Administration (FTA), and Maine Department of Transportation (MDOT).
2. Development of the CY 2018-2019 Unified Planning Work Program (UPWP).
3. Preparation of the agenda, minutes, summary information, and attendance at all committee meetings.
4. Maintenance of a current financial status sheet for federal/state transportation planning funds as well as proper care and flow of funds.
5. Provide audit information as required by the Federal and State governments.
6. Administer any consultant contracts that may be needed for tasks in this UPWP.

### PRODUCT

CY 2016 - 2017 Unified Planning Work Program; progress reports as needed, agenda, and minutes of meetings; and administration of the transportation planning process in the BACTS area.

### AGENCY RESPONSIBILITY

TASK 1)      BACTS      CY 2016-2017:      69 person weeks

### FUNDING

Estimated Cost for CY 2016-2017      \$251,714

## **TASK 2. PROFESSIONAL DEVELOPMENT**

### OBJECTIVE

To develop the capability of the BACTS staff and BACTS Committee members to respond to the regional traffic and data development needs of the BACTS municipalities.

### PREVIOUS WORK

1. BACTS has bought transportation planning technical software and books. This task has provided funds for BACTS staff and Policy Committee members to attend technical workshops, national conferences, seminars, training, classes, etc.

### ACTIVITIES

1. BACTS staff time and expenses for attendance at technical workshops, seminars, training, classes, etc.
2. Hosting a technical workshop or webinar on a transportation related topics.
3. Purchase GIS software.
4. The following items are recommended for purchase:
  1. Transportation planning software maintenance costs, software, reference books, and technical supplies.

### PRODUCT

Purchase GIS software, training event expenses and staff time, transportation planning software maintenance costs, software, reference books, and technical supplies.

### AGENCY RESPONSIBILITY

TASK 2)      BACTS:      CY 2016-2017:      5 person weeks

### FUNDING

Estimated Cost for CY 2016-2017:      \$21,050

### **TASK 3. DATA COLLECTION & DATABASE MANAGEMENT ACTIVITIES**

#### OBJECTIVE

Obtain additional data to supplement MDOT's data. The data acquired through this task will be used to support the urban transportation planning process and to support the traffic model development for the BACTS area.

To maintain, update, and coordinate with Maine DOT, the existing BACTS databases. Develop additional databases as needed.

#### PREVIOUS WORK

BACTS updates count schedule on regular basis based on need and requests. BACTS conducted approximately 40 volume counts and 38 turning movement counts.

During FY 2014-2015, BACTS entered traffic counts, safety projects, and traffic signal locations into a computer database. Databases also exist from data received from MDOT, ADA sidewalk inventory and for other information.

#### ACTIVITIES

1. BACTS will update and revise the schedule of counts based on need and requests from towns
2. Conduct 48-hour traffic counts and turning movement counts at locations where needed and requested.
3. Continue to collect other necessary data that is required for BACTS to carry out its planning responsibilities, such as pavement data, speed and delay information, signal timing and phasing, and turning movement counts.
4. Continue to update databases and models with any new data that is collected including inventory of road projects, safety projects, sidewalks, and trails.
5. Update databases with any information that is acquired from MDOT.
6. Continue to use the databases to supply traffic data for programs such as the travel demand modeling and the TIP.
7. Create database with location of historic BACTS TIP projects.

#### AGENCY RESPONSIBILITY

TASK 3)      BACTS:      CY 2016-2017:      34 person weeks

TASK 3. (CONT.) DATA COLLECTION & DATABASE MANAGEMENT ACTIVITIES

FUNDING

Estimated Cost for CY 2016-2017: \$100,500

## **TASK 4. PUBLIC OUTREACH AND EDUCATION**

### OBJECTIVE

To conduct the BACTS' public outreach and education efforts as mandated by the Federal Highway Administration, Federal Transit Administration, and the Maine Department of Transportation.

### PREVIOUS WORK

BACTS maintains a BACTS website, updated our Public Participation Policy (approved in July 2015), and maintains a public involvement process list of "Interested and Affected Parties".

### ACTIVITIES

1. Manage and update as necessary the BACTS website.
2. Follow the procedures written in the public participation policy adopted by Policy Committee
3. Maintain the interested and affected parties list.
4. Produce press releases to educate the general public of pertinent transportation related issues.

### PRODUCT

A well informed public with access to the BACTS planning process.

### AGENCY RESPONSIBILITY

TASK 4)      BACTS:      CY 2016-2017:      1 person week

### FUNDING

Estimated Cost for CY 2016-2017:      \$5,000



## **TASK 5. MODELING ACTIVITIES**

### OBJECTIVE

To maintain the database for travel forecast/land use modeling, and to operate the model for various traffic and land use scenarios in the BACTS area.

### PREVIOUS WORK

BACTS staff continuously works to correct network and socioeconomic data errors and deficiencies, and to calibrate the model. BACTS has used the model to provide forecasts of traffic volumes for different scenarios during future construction of the Ohio Street I-95 overpass, the Union Street I-95 overpass, closure of Chamberlain Bridge, and closure of I-395 for the replacement of the Webster Avenue underpass.

### ACTIVITIES

1. Convert the existing TRIPS model to CUBE™ model. CUBE™ is more user friendly and flexible. TRIPS is now considered legacy software. Active support for TRIPS will be withdrawn shortly.
2. Continue to train staff members in the structure and the use of the BACTS Travel Demand Forecasting Model in order to accomplish future simulation of travel conditions.
3. Continue to train staff members in the structure and the use of the BACTS Travel Demand Forecasting Model in order to accomplish future simulation of travel conditions.
4. Conduct quality control on the networks and socioeconomic data, and to update TAZ data to reflect actual 2010 census data.
5. Re-Calibrate the model.
6. Develop future networks.
7. Forecast socio economic data. 2040 data is now available.
8. Forecast traffic volumes, and public transportation usage.
9. Prepare forecasts based on customized scenarios requested by municipalities and the MeDOT.

### PRODUCT

1. A calibrated and operating BACTS Travel Demand Forecasting Model to conduct analysis.

### AGENCY RESPONSIBILITY

TASK 5)      BACTS:      2016-2017:      5 person weeks

### FUNDING

Estimated Cost for CY 2016-2017:      \$45,250

## **TASK 6. SIGNAL IMPROVEMENT ACTIVITIES**

### OBJECTIVE

Continue to develop a plan to improve traffic signal operations in the BACTS area.

### PREVIOUS WORK

1. During FY 2014-2015 BACTS hired consultants to: conduct the following studies at the following locations:
  - a) Conduct a warrant analysis for a right turn lane on Hogan Road at Stillwater Avenue; and
  - b) Study the traffic signals on the Route 2 corridor from Main Street in Old Town to Route 178 in Milford for safety and efficiencies.
2. Purchased Rectangular Rapid Flash Pedestrian Beacons for midblock crosswalks in Bangor and Brewer.
3. Purchased traffic signal equipment such as detectors, cabinets and controllers to improve traffic signal operations.

### ACTIVITIES

1. Continue to develop a traffic signal maintenance and operations plan across the BACTS region and critique possible improvements.
2. Hire consultant(s) to develop signal corridor timing/phasing plans for major corridors as determined by the Policy Committee.
3. Purchase signal equipment that will enhance the safety and efficiency of traffic operations.
4. Conduct a signal inventory.

### PRODUCTS

Improved traffic signal operations in the BACTS area.

### AGENCY RESPONSIBILITY

TASK 6)      BACTS:      2016-2017:      5 person weeks

### FUNDING

Estimated Cost for CY 2016-2017:      \$16,000

## **TASK 7. BICYCLE AND PEDESTRIAN PLANNING**

### OBJECTIVE

To integrate the needs of bicyclists and pedestrians into the transportation network.

### PREVIOUS WORK:

BACTS has worked to find funding for the construction of a bike/pedestrian trail from the end of Sylvan Road to Stillwater Avenue in Bangor. BACTS coordinated with the Bangor Convention and Visitors Bureau to distribute region wide bicycle maps. BACTS has worked with the municipalities on bicycle and pedestrian issues on several occasions. BACTS has provided technical assistance, oversight, and recommendations for project prioritization.

### ACTIVITIES:

1. Provide advocacy and technical assistance to ensure that bicycle and pedestrian facilities are considered during the planning and programming process for all new-construction and reconstruction projects within the BACTS area.
2. Partner with BACTS communities to identify and apply for other public and private sources of funding for bicycle and pedestrian facilities, recommended in the Bicycle and Pedestrian sections of the 2011 BACTS Long Range Transportation Plan.
3. Continue work on the Safe Routes to School program, focusing on the connectivity of sidewalks and off-road paths between neighborhoods and schools.

### PRODUCT

An improved transportation network in which bicyclists and pedestrians can more freely and safely maneuver through continuous corridors alongside motorized traffic. This task is closely aligned with FHWA and Maine DOT goals of livability and sustainability.

### AGENCY RESPONSIBILITY

TASK 7)      BACTS:      2016-2017:      9 person weeks

### FUNDING

Estimated Cost for CY 2016-2017:      \$25,200

## **TASK 8. TRANSPORTATION SAFETY**

### OBJECTIVE

To increase safety for all users of the transportation system by promoting a greater awareness of transportation safety design and practice and by implementing targeted safety projects at high-crash locations and in areas with high potential for vehicle-pedestrian conflicts.

### PREVIOUS WORK:

BACTS coordinates closely with all area municipalities and MDOT to identify and implement projects aimed at reducing the number and severity of crashes within the urban area. BACTS has long advocated for innovative and cost-effective safety treatments at appropriate locations within the urban area.

### ACTIVITIES:

1. Monitor and update information as needed from MDOT's statewide database and hard-copy reports to analyze area crash statistics, identify contributing factors at problem locations, and develop appropriate countermeasures. Use GIS mapping tools as appropriate to focus in on crash locations with identifiable deficiencies in infrastructure, geometrics, excessive speed, signal length and/or coordination, etc.
2. Continue to advocate for appropriate countermeasures at high-crash locations throughout the urbanized area. Provide technical assistance to communities as needed to implement these projects and evaluate their success in reducing crashes.
3. Attend the State Highway Safety Committee meetings.
4. Attend the Systematic Safety Implementation Peer Exchange in Tennessee.

### PRODUCTS

A safer environment for area residents and workers as they walk, wheel, drive, and use public transit along and across busy roadways.

### AGENCY RESPONSIBILITY

TASK 8)      BACTS:      2016-2017:      3 person weeks

### FUNDING

Estimated Cost for CY 2016-2017:      \$10,200

## **TASK 9. TRANSPORTATION SECURITY**

### OBJECTIVE

To document regional emergency preparedness measures and highlight significant gaps.

### PREVIOUS WORK:

Developed a regional working Traffic Incident Management group that meets monthly. Developed regional traffic incident management guidelines and trained over 200 first responder in the area.

### ACTIVITIES:

1. Continue to work with the Traffic Incident Management group to train first responders in the area and review incidents to reduce delay and improve safety on regional arterials during incidents.

### PRODUCTS

1. Create and meet with a regional incident management group to develop incident management measures to reduce delay and improve safety on regional arterials during incidents.

### AGENCY RESPONSIBILITY

TASK 9)      BACTS:      2016-2017:      9 person weeks

### FUNDING

Estimated Cost for CY 2016-2017:      \$28,000

## **TASK 10. FREIGHT PLANNING**

### OBJECTIVE

Integrate Freight planning as an integral part of BACTS planning.

### PREVIOUS WORK

BACTS continued participation in the discussion of freight transfer from Searsport to the Bangor area and beyond.

BACTS staff has representation on the I-395 Extension Advisory Committee.

### ACTIVITIES

1. Participate in the discussion of freight transfer from Searsport to the Bangor area and beyond.
2. Continue representation on the I-395 Extension Advisory Committee.

### PRODUCTS

A freight plan that is an integral part of the BACTS planning process.

### AGENCY RESPONSIBILITY

TASK 10) BACTS: CY 2016-2017: 2 person weeks

### FUNDING

Estimated Cost for CY 2016-2017: \$5,100

## **TASK 11. TRANSPORTATION IMPROVEMENT PROGRAM (TIP) DEVELOPMENT**

### OBJECTIVE

Develop the TIP as required by Federal and State law.

### PREVIOUS WORK

Adjusted the TIP project ranking criteria. Completed the FY 2014-2017 Transportation Improvement Program (TIP) and 2018 Capital Work program.

### ACTIVITIES

Examine the TIP project ranking criteria to determine if adjustments are necessary. Begin the FY 2016-2019 TIP and annual Capital Work programs.

### PRODUCTS

TIPs that meet Federal and State requirements.

### AGENCY RESPONSIBILITY

TASK 11) BACTS: CY 2016-2017: 14 person weeks

### FUNDING

Estimated Cost for CY 2016-2017: \$41,000

## **TASK 12. DEVELOPMENT OF PERFORMANCE MEASURES**

### OBJECTIVE

To develop performance measures as required by MAP21, for incorporation into BACTS processes and products. Federal and State guidance will not be completed in time for this UPWP

### PREVIOUS WORK

BACTS has de facto performance measures incorporated into its project evaluation processes, and other work, but has not identified them explicitly, or systematically.

### ACTIVITIES

1. Examine BACTS organizational goals and processes, and project goals, to document existing performance measures.
2. Survey existing examples of performance measures used by federal and state agencies, and other MPOs, for possible incorporation into BACTS processes, as appropriate.
3. Develop and or enhance performance measures for BACTS, as needed.
4. Incorporate the adopted performance measures into BACTS processes.

### PRODUCT

A schedule of Performance Measures, and where they are to be applied in BACTS processes and products.

### AGENCY RESPONSIBILITY

TASK 12) BACTS CY 2016-2017: 3 person weeks

### FUNDING

Estimated Cost for CY 2016-2017 \$10,200



### **TASK 13. LONG RANGE PLAN UPDATE**

#### OBJECTIVE

Finish updating the 20-year Long Range Transportation Plan (LRTP) for the BACTS area which is due June 2016.

#### PREVIOUS WORK:

Began updating the Long Range Transportation Plan due in June 2016.

#### ACTIVITIES:

1. Conduct public participation activities as needed throughout the LRTP update process.
2. Produce a final LRTP that addresses the expected transportation needs within the next twenty years in the BACTS area in accordance with MAP-21 regulations. Incorporate recommendations from any recently completed studies.

#### PRODUCTS

A final 20-year Long-Range Transportation Plan (LRTP) for the BACTS area.

#### AGENCY RESPONSIBILITY

TASK 13) BACTS: CY 2016-2017: 14 person-weeks

#### FUNDING

Estimated Cost for CY 2016-2017: \$70,200

## **TASK 14. STUDIES**

### OBJECTIVE

To conduct studies to improve transportation in the BACTS area.

### PREVIOUS WORK:

BACTS has worked alone and hired consultants to conduct transportation studies. The studies produce recommendations to improve safety and efficiency of transportation in the area.

Completed a study of the Bangor Broadway Corridor that produced recommendations that improve access management, traffic signal operations, and overall safety and efficiency along the corridor from Center Street/I-95 Northbound off-ramp to Grandview Avenue.

Began update the Bicycle/Pedestrian study produced in 2010.

### ACTIVITIES:

1. Complete the updated Bicycle/Pedestrian study produced in 2010.
2. Work with Maine DOT to update the 2004 Stillwater Avenue Study in Old Town from the Orono/Old Town line to College Avenue
3. Conduct any minor studies as directed by the BACTS Policy Committee.

### PRODUCTS

Study reports that improve transportation in the BACTS area.

### AGENCY RESPONSIBILITY

TASK 14) BACTS: 2016-2017: 14 person-weeks

### FUNDING

Estimated Cost for CY 2016-2017: \$151,000

## **TASK 15. TRANSIT PLANNING**

### OBJECTIVE

To perform activities of short and long range transit planning and analysis; including analysis of operation and service planning. This task is closely aligned with MDOT incentive goals of corridor planning and preservation, regional transportation needs, community comprehensive planning, and land use initiatives.

### PREVIOUS WORK

FY2014-2015

1. Prepared Capital and Operating assistance Grant applications to Maine DOT for FTA funds on behalf of the Community Connector.
2. Developed the Transit element of the BACTS TIPs.
3. Tracked trends in ridership and fare-revenues.
4. Prepared the annual and monthly Section 5335 National Transit Database reports; including new safety and asset condition reports.
5. Investigated route and service changes.
6. Continued implementation efforts of the Short Range Transit Route Redesign Study conducted during FY07.

### ACTIVITIES

1. Conduct Operations and Service Planning, including; analysis of fixed route and paratransit conditions, and ridership surveys (boarding/exiting surveys, origin destination surveys, etc. as needed to satisfy local needs and Section 5335 reporting guidelines)
2. Conduct Financial Management Planning, including; maintaining financial documents and continued analysis of transit costs (fare-box return, cost/hour, and other expense and revenue data as required by NTD Reporting Guidelines)
3. Continue implementation of the Short Range Transit Route Redesign Study recommendations including; marketing, fare strategies, and route and service changes.
4. Preparation and amendment of transit elements of TIPs
5. Prepare applications for Operating and Capital Grants for the Community Connector to the FTA.
6. Investigate and recommend route and service changes.
7. Provide technical support and input on the implementation of Bangor hub relocation Study recommendations.

TASK 15. (CONT.) TRANSIT PLANNING

PRODUCTS

1. Reports and Technical Memorandums on Operations and Service Planning
2. Applications to the FTA for Operating and Capital Grants for the Community Connector.

AGENCY RESPONSIBILITY

TASK 15) BACTS: CY 2016-2017: 63 person-weeks

FUNDING

Estimated Cost for CY 2016-2017: \$186,148

<u>FTA CY</u>	<u>Sect#</u>	<u>Amount</u>
FTA CY 2016-2017	5303	\$ 148,918.00
Local In-Kind		<u>\$ 37,230.00</u>
TOTAL		\$ 186,148.00

**PUBLIC COMMENTS AFTER NOTICE OF INTENT TO DEVELOP CY- 2016-2017 UPWP**

Notice was published in the Bangor Daily News, sent to the BACTS “Interested and Affected Parties” list and was put on the BACTS website.

No public comments received.

## BACTS Budget Summary CY 2016-2017 Unified Planning Work Program

		Funding Source:									
Task	Task	FHWA "PL"	FTA 5303	MDOT	In Kind	Local	Total	Staff	Consultant	Direct Costs	Total
1	Administration/Coordination	201,371.00		37,757.00		12,586.00	251,714.00	202,714.00	45,000.00	4,000.00	251,714.00
2	Professional Development	16,840.00		3,157.50		1,052.50	21,050.00	15,000.00		6,050.00	21,050.00
3	Data Collection/Database Management	80,400.00		15,075.00		5,025.00	100,500.00	100,000.00		500.00	100,500.00
4	Public Outreach and Education	4,000.00		750.00		250.00	5,000.00	2,000.00		3,000.00	5,000.00
5	Modeling Activities	36,200.00		6,787.50		2,262.50	45,250.00	15,000.00	30,000.00	250.00	45,250.00
6	Signal Improvement Activities	12,800.00		2,400.00		800.00	16,000.00	15,000.00		1,000.00	16,000.00
7	Bicycle and Pedestrian Planning	20,160.00		3,780.00		1,260.00	25,200.00	25,000.00		200.00	25,200.00
8	Transportation Safety	8,160.00		1,530.00		510.00	10,200.00	10,000.00		200.00	10,200.00
9	Transportation Security	22,400.00		4,200.00		1,400.00	28,000.00	25,000.00		3,000.00	28,000.00
10	Freight Planning	4,080.00		765.00		255.00	5,100.00	5,000.00		100.00	5,100.00
11	TIP Development	32,800.00		6,150.00		2,050.00	41,000.00	40,000.00		1,000.00	41,000.00
12	Performance Measures	8,160.00		1,530.00		510.00	10,200.00	10,000.00		200.00	10,200.00
13	Long Range Plan Update	56,160.00		10,530.00		3,510.00	70,200.00	40,000.00	30,000.00	200.00	70,200.00
14	Studies	120,800.00		22,650.00		7,550.00	151,000.00	40,000.00	110,000.00	1,000.00	151,000.00
15	Transit Planning		148,918.00		37,230.00		186,148.00	185,348.00		800.00	186,148.00
<b>TOTALS</b>		<b>624,331.00</b>	<b>148,918.00</b>	<b>117,062.00</b>	<b>37,230.00</b>	<b>39,021.00</b>	<b>966,562.00</b>	<b>730,062.00</b>	<b>215,000.00</b>	<b>21,500.00</b>	<b>966,562.00</b>

**Municipal Biennial Local Share**

If the local share is \$39,021 for two years.

		CY 2016	CY 2017
BANGOR	52.593% of \$39,021 =	\$20,522.35	\$10,261.18
BRADLEY	0.755% of \$39,021 =	\$294.59	\$147.29
BREWER	13.525% of \$39,021 =	\$5,277.65	\$2,638.82
HAMPDEN	5.491% of \$39,021 =	\$2,142.77	\$1,071.38
HERMON	0.261% of \$39,021 =	\$101.92	\$50.96
MILFORD	3.298% of \$39,021 =	\$1,287.07	\$643.54
OLD TOWN	9.828% of \$39,021 =	\$3,835.16	\$1,917.58
ORONO	11.849% of \$39,021 =	\$4,623.77	\$2,311.89
ORRINGTON	0.796% of \$39,021 =	\$310.64	\$155.32
VEAZIE	1.602% of \$39,021 =	\$625.08	\$312.54
<b>TOTAL</b>		<b>\$39,021.00</b>	<b>\$19,510.53</b>

## BACTS UPWP TASKS RELATING TO THE 8 MAP-21 PLANNING FACTORS

TASKS	<i>1) Support economic vitality of metropolitan area</i>	<i>2) Increase safety of transportation system for motorized and non-motorized users</i>	<i>3) Increase security of transportation</i>	<i>4) Increase accessibility and mobility options to people and for freight</i>	<i>5) Protect and enhance environment, promote energy conservation, improve quality of life and promote consistency between transportation improvements and State and local planned growth and economic development patterns.</i>	<i>6) Enhance Integration and Connectivity of Transportation System, across Modes, for People and Freight</i>	<i>7) Promote efficient system management and operation</i>	<i>8) Emphasize the preservation of existing transportation system</i>
1) Administration/Coordination	X	X		X	X		X	X
2) Professional Development	X	X	X		X	X	X	X
3) Data Collection & Database Management Activities	X	XX	X	X	X		X	XX
4) Public Outreach and Education	X	X	X	X	X		X	X
5) Modeling Activities	X		XX	XX	X	X	X	X
6) Signal Improvement Activities	XX	XX	X	XX	X		XX	XX
7) Bicycle and Pedestrian Planning	XX	XX	X	XX	XX	XX	XX	X
8) Transportation Safety	XX	XX	X		X		X	X
9) Transportation Security	XX	X	XX		X			X
10) Freight Planning	XX	XX	X	XX	X	X	X	X
11) Transportation Improvement Program (TIP) Development	XX	XX	XX	XX	XX	XX	XX	XX
12) Performance Measures	X	X	X	X	X	X	X	X
13) Long Range Plan Update	XX	XX	XX	XX	XX	XX	XX	XX
14) Studies	XX	XX	XX	XX	XX	XX	XX	XX
15) Transit Planning	XX	X	XX	XX	XX	XX	XX	XX

X - Related; XX - Highly related