Franklin Region
Unified Planning Work Program
for
Transportation Planning Activities

Endorsed May 26, 2020
Franklin Regional Council of Governments
Unified Planning Work Program

for

Transportation Planning Activities

October 1, 2020 - September 30, 2021

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Ryan Clary, Senior GIS Specialist
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Endorsed May 26, 2020

Prepared under contract 109364 in cooperation with the Massachusetts Department of Transportation and the U.S. Department of Transportation, Federal Highway Administration.
The Franklin County Transportation Planning Organization (TPO) endorses the FY 2021 Franklin Regional Council of Governments Unified Planning Work Program as the guiding document for the work performed by the FRCOG transportation planning staff on behalf of the Franklin TPO and ensures that the UPWP is consistent with and strives to meet the goals, objectives and programs stated within the Franklin County Regional Transportation Plan.

SIGNATORY CERTIFICATION

Stephanie Pollack, Secretary and CEO
MassDOT

Date
**Notice of Nondiscrimination Rights and Protections to Beneficiaries**

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The Franklin Regional Council of Governments (FRCOG) operates its programs, services, and activities in compliance with federal nondiscrimination laws including Title VI of the Civil Rights Act of 1964 (Title VI), the Civil Rights Restoration Act of 1987, and related statutes and regulations. Title VI prohibits discrimination in federally assisted programs and requires that no person in the United States of America shall, on the grounds of race, color, or national origin (including limited English proficiency), be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity receiving federal assistance. Related federal nondiscrimination laws administered by the Federal Highway Administration, the Federal Transit Administration, or both prohibit discrimination on the basis of age, sex, and disability. These protected categories are contemplated within FRCOG’s Title VI Programs consistent with federal interpretation and administration. Additionally, FRCOG provides meaningful access to its programs, services, and activities to individuals with limited English proficiency, in compliance with U.S. Department of Transportation policy and guidance on federal Executive Order 13166.

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If you need help understanding this document because you do not speak English or have a disability which impacts your ability to read the text, please contact FRCOG’s Title VI Specialist at (413) 774-3167 (voice) (MA Relay System: 800-439-2370), 413-774-3169 (fax), or civilrights@frcog.org (e-mail).

If you believe that you or anyone in a specific class of persons has been subjected to discrimination prohibited by Title VI and other nondiscrimination laws based on race, color, national origin, sex, age, disability, or gender, you or your representative may file a complaint with the FRCOG, which we can help complete. A complaint must be filed no later than 180 days after the date of the alleged discrimination for Title VI complaints and no later than 300 days for state protected category complaints. If you require further information, please contact FRCOG’s Title VI Specialist at (413) 774-3167 (voice) (MA Relay System: 800-439-2370), 413-774-3169 (fax), or civilrights@frcog.org (e-mail).
**English**: If this information is needed in another language, please contact the FRCOG Title VI Specialist at (413) 774-3167.

**Spanish**: Si necesita esta información en otro idioma, por favor contacte al especialista de FRCOG del Título VI al (413) 774-3167.

**Russian**: Если Вам необходима данная информация на любом другом языке, пожалуйста, свяжитесь со специалистом по Титулу VI FRCOG по тел: (413) 774-3167.
3.2 Planning to Develop a Bike Share Program in Franklin County 34
3.3 Marketing of New Passenger Rail Service and Monitoring of Performance 36
3.4 Regional Electric Vehicle Charging Station Program 38
3.5 Planning for Implementation of the Franklin County Bikeway Trailblazing Signs 39
3.6 East County Park and Ride Study 41

4. ONGOING TRANSPORTATION ACTIVITIES 42

4.1 Local Technical Assistance 42
4.2 Implementation of the Route 2 East Safety Improvement Study 43
4.3 Expansion of Transit and Rail Service in Franklin County 44
4.4 Franklin County Bikeway and Pedestrian Planning 46
4.5 Education, Outreach, and Interregional Coordination 48
4.6 Scenic Byway Implementation 49

APPENDIX 53

MAP SHOWING THE GEOGRAPHIC DISTRIBUTION OF UPWP PROJECTS (FY2016-FY2021) 53

OTHER REGIONAL PROJECTS AND FEDERAL GRANTS 54

RELEVANT TRANSPORTATION-RELATED ACRONYMS 55

PUBLIC REVIEW AND COMMENT 59
Introduction

The Unified Planning Work Program (UPWP) describes the scope and estimated cost of work tasks to be conducted by the transportation planning staff of the Franklin Regional Council of Governments (FRCOG) on behalf of the Franklin County Transportation Planning Organization (TPO) over the next contract year. The UPWP outlines the region's long and short-range transportation planning objectives and describes how these objectives will be met.

This UPWP has been developed to reflect State and Federal requirements, as well as local priorities and needs. Specific tasks have been identified through the analyses conducted and recommendations generated for the Regional Transportation Plan (RTP) since 1993. Tasks within this UPWP are also a direct response to previous work and input from the Franklin County Transportation Planning Organization and the Franklin Regional Planning Board.

The 2020 RTP has five goals that the tasks in this UPWP directly implement. Those goals, which are a reflection of the region’s vision, are:

- Goal 1: Maintain infrastructure to facilitate the mobility of people and goods traveling to, from, and through Franklin County.
- Goal 2: Improve safety and security of the transportation network.
- Goal 3: Increase transportation options and reduce vehicle emissions.
- Goal 4: Promote economic development of the region while maintaining its rural character.
- Goal 5: Promote sustainable transportation, reduce greenhouse gas emissions, and prepare for climate change.

Planning Priorities for the Franklin Region

Over the last decade, Franklin County has prioritized the use of its limited transportation funds to support the repair and maintenance of its transportation infrastructure rather than the construction of new facilities. This is particularly highlighted in the development of a Pavement Management Program (task 2.6) that assesses pavement conditions to assist with prioritizing improvements that are most cost effective. At the same time, developing improvements in a manner that reflects and respects the rural nature of Franklin County is very important. Context Sensitive Design, as embraced in the MassDOT Design Guidebook, is
typically a first consideration of Franklin County municipalities in developing transportation improvements for their communities. These priorities are addressed in this UPWP when preparing the TIP (task 1.3), through Local Technical Assistance (task 4.1) and Education, Outreach and Interregional Collaboration (task 4.6).

Another regional priority is safety. Nearly all of the transportation planning work undertaken in the Franklin Region has grown out of a desire to create the safest transportation network possible. Safety considerations can be found in tasks including Geographic Information Systems (task 2.2), and Traffic Counting and Data Collection (task 2.5), both of which provide important data inputs to other safety planning work. In addition, the Resiliency task will examine the safety of the region’s roadways in the context of climate change (task 3.1).

In addition, the Franklin Region has prioritized Mode Shift in its transportation planning activities. Mode Shift in Franklin County means planning for ways to encourage travelers to shift their travel from singly-occupied vehicles to other forms of transportation. This year’s UPWP includes tasks to encourage mode shift and support other forms of transportation. These tasks include a Feasibility Study for a Franklin County Bike Share Program (task 3.2), Marketing & Monitoring of New Passenger Rail Service (task 3.3), East County Park and Ride Study (task 3.6), the Transit and Rail Service task (task 4.3), and Franklin County Bikeway and Pedestrian planning and implementation task (task 4.5).

Further, the Franklin Region places a strong emphasis on integrating long range regional planning for transportation and land use in a way that makes full use of a robust public participation process, and provides technical assistance to our small, mostly volunteer staffed, municipalities (tasks 1.4, 4.1, and 4.6).

Finally, the UPWP is derived from work and priorities identified through the region’s long range regional transportation plan (RTP), last updated in 2020. This plan looks at our existing network, successes, opportunities, gaps and challenges, and makes financially-constrained recommendations for transportation improvements over a 25-year time horizon. In developing the transportation plan, MAP-21 states that the TPO shall consider 8 key factors as they relate to the plan’s 25-year horizon and, thus, future transportation planning
activities. The update to the RTP did address all of the requirements and goals of MAP-21. The most recent transportation funding legislation, Fixing America’s Surface Transportation Act (FAST), added two additional factors, which will also be addressed by tasks in the UPWP as listed in the table below.

<table>
<thead>
<tr>
<th>FAST Act Ten Planning Factors</th>
<th>Corresponding UPWP Task</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity and efficiency</td>
<td>3.1, 3.3, 3.6, 4.3, 4.4, 4.6</td>
</tr>
<tr>
<td>2) Increase the safety of the transportation system for motorized and non-motorized users</td>
<td>2.2, 2.5, 2.6, 3.1, 4.2</td>
</tr>
<tr>
<td>3) Increase the security of the transportation system for motorized and non-motorized users</td>
<td>2.2, 3.1, 3.5, 4.3, 4.4</td>
</tr>
<tr>
<td>4) Increase the accessibility and mobility of people and freight</td>
<td>1.5, 2.6, 3.1, 3.3, 4.2, 4.3, 4.5</td>
</tr>
<tr>
<td>5) Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns</td>
<td>2.1, 2.3, 3.1, 3.4, 3.6, 3.6, 4.4, 4.5, 4.7</td>
</tr>
<tr>
<td>6) Enhance the integration and connectivity of the transportation system, across and between modes for people and freight</td>
<td>3.2, 3.3, 3.5, 3.6, 4.3, 4.4, 4.5</td>
</tr>
<tr>
<td>7) Promote efficient system management and operation</td>
<td>3.7, 4.1, 4.4, 4.5</td>
</tr>
<tr>
<td>8) Emphasize the preservation of the existing transportation system</td>
<td>1.3, 2.2, 2.6, 3.1, 4.1, 4.6</td>
</tr>
<tr>
<td>9) Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation</td>
<td>2.2, 2.6, 3.1</td>
</tr>
<tr>
<td>10) Enhance travel and tourism</td>
<td>3.3, 3.5, 4.3, 4.4</td>
</tr>
</tbody>
</table>

In addition to the Planning Factors listed above, the Federal Highway Administration (FHWA) sets national planning priorities that all MPO’s should consider in the development of their UPWP’s:

- Performance Management;
- Regional Models of Cooperation; and
- Ladders of Opportunity.
The FCTPO and the FRCOG address all of these priorities in various ways. The UPWP Task 2.4 focuses on FAST Act Implementation with the incorporation of performance measures into various processes and tasks. The FRCOG has long been a statewide model for regional cooperation on many levels and topics. It continues to create new regional relationships and build on previously established relationships in its 3C work and also through other planning work. Task 4.5 sets aside funding specifically for this effort, and one area of focus in this UPWP is coordinating with the Public Health community on the Community Health Improvement Plan (CHIP) on improving health outcomes through the built environment. The Ladder of Opportunity priority refers to the identification of connectivity gaps in accessing essential services. The FRCOG has been working on this issue with its participation in the Franklin County Regional Coordinating Council, Title VI activities, and through several of the UPWP tasks (3.2, 4.3, and 4.5).

**Format of the UPWP**

The UPWP is divided into four categories: management and support of the planning process; data collection and analysis activities; transportation planning studies; and ongoing transportation activities.

Included within the **management and support category** is the managing the 3C contract and staff supervision, preparation of the Transportation Improvement Program, monitoring of this UPWP and preparation of FRCOG’s next UPWP, Public Participation for transportation planning activities, and a focus on Environmental Justice and Title VI activities to continue outreach to areas with low income, and minority populations to strengthen the participation of these target groups in the decision-making process. Building on work conducted during FY 2001 through 2019, this work plan will remain committed to addressing Environmental Justice and Title VI issues. The FRCOG will continue to ensure that its Title VI program complies with all requirements and that it is up-to-date. The FRCOG will also work to improve its ability to serve persons with Limited English Proficiency and minority populations by exploring various public participation methods.
Examples of tasks within the **data collection and analysis category** are the traffic counting and data collection program, the maintenance and continued development of the geographic information system, and the regional Pavement Management System. This category also includes work related to being a State Data Center Affiliate such as aggregation, analysis, and distribution of Census or other data released, and the preparation of data reports by request and/or to support planning projects. In addition, air quality compliance activities will be important to support continuing efforts to implement qualified Congestion Mitigation Air Quality (CMAQ) projects. Finally, this group includes the ability to review ENFs and EIRs and provide transportation-related comments on projects proposed for the region as needed.

In group 3, the **transportation planning studies** that will be undertaken during the upcoming year include; assessing Culvert Infrastructure; Planning to Develop a Bike Share Program; Marketing and Monitoring of the New Passenger Rail Service to the region; expanding Electric Vehicle Charging Station Infrastructure; continued planning for the implementation of the Franklin County Bikeway; and locating Park and Ride lots in East County.

**Ongoing transportation activities** include providing Local Technical Assistance to our municipalities and boards; the implementation of the recommendations identified in the Route 2 Safety Improvement Study; continued activities related to expanding the Franklin County Bikeway and providing Pedestrian opportunities and infrastructure; and ongoing efforts to expand transit and paratransit services in the region, and participation in efforts to support increased passenger rail service in Franklin County. We will also continue efforts for education, outreach, and interregional collaboration. This task allows for staff to share information at conferences and workshops that is related to innovative projects, results, and participation in state efforts such as serving on various task forces, for the ongoing education of other transportation professionals and citizens, and the advancement of transportation planning goals. Finally, this group includes a task devoted to Scenic Byways in our region, including development of corridor management plans, seeking funding for projects, and the implementation of approved projects.
The FRCOG Metropolitan Planning Organization

Federal regulations require a Metropolitan Planning Organization be formed in urbanized areas of 250,000 or more population. While the Franklin Region does not meet this criterion, MassDOT provides planning funds for comprehensive transportation planning in this region. As such, the Franklin Region functions as an MPO and conforms to the requirements of Federal transportation planning regulations. A formal Memorandum of Understanding was developed in 2007 and updated in May 2020, establishing the Franklin County Transportation Planning Organization.

The Franklin Region TPO
Stephanie Pollack, Secretary of Transportation and CEO, MassDOT
Jonathan Gulliver, Administrator of Highway Division, MassDOT
Bill Perlman, FRCOG Regionally Elected Council Representative
Lance Fritz, Chair of the Franklin Regional Transit Authority
Roxann Wedegartner, Mayor of Greenfield
Kevin Fox, Chair of the FRCOG Executive Committee
Marguerite Willis, West County Sub-Regional Appointment
Steven Ellis, Central County Sub-Regional Appointment
Jane Peirce, East County Sub-Regional Appointment
Ex-Officio member, Kenneth Miller, Federal Highway Administration
Ex-Officio member Kristin Wood, Federal Transit Administration
Ex-Officio member Tom Miner, Franklin Regional Planning Board

The FRCOG Transportation Planning Staff
The following table lists staff currently working on transportation planning issues and the percent of their work time expected to be devoted exclusively to 3-C activities during this work year.
<table>
<thead>
<tr>
<th>Position Title</th>
<th>Employee</th>
<th>Percent Time Devoted to 3-C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transportation Planning and GIS Program Manager II</td>
<td>Maureen Mullaney</td>
<td>85%</td>
</tr>
<tr>
<td>Transportation Planning Engineer</td>
<td>Laurie Scarbrough</td>
<td>75%</td>
</tr>
<tr>
<td>Senior Transportation Planner II</td>
<td>Elizabeth Giannini</td>
<td>72%</td>
</tr>
<tr>
<td>Senior Transportation / Land Use Planner</td>
<td>Megan Rhodes</td>
<td>40%</td>
</tr>
<tr>
<td>Senior GIS Specialist</td>
<td>Ryan Clary</td>
<td>31%</td>
</tr>
<tr>
<td>Economic Development Program Manager</td>
<td>Jessica Atwood</td>
<td>5%</td>
</tr>
<tr>
<td>Senior Land Use Planner</td>
<td>Alyssa Larose</td>
<td>5%</td>
</tr>
<tr>
<td>Administrative Services Assistant</td>
<td>Liz Jacobson-Carroll</td>
<td>5%</td>
</tr>
<tr>
<td>Senior Public Health Planner</td>
<td>Mark Maloni</td>
<td>3%</td>
</tr>
</tbody>
</table>

**UPWP Amendment/Administrative Adjustment Guidance**

All 3C documents (TIP, RTP, UPWP, PPP, etc.) endorsed by the FCTPO must follow standardized procedures regarding amendments and/or administrative adjustments. The procedures must also be clearly outlined in narrative form within the documents. Below are general guidelines regarding the conditions that constitute an administrative adjustment or amendment to the Unified Planning Work Program (UPWP). All proposed administrative adjustments and amendments must be presented to the FCTPO for consultation prior to endorsement. Both adjustments and amendments must be voted on by the FCTPO members and amendments must be released for 21-Day public comment period prior to endorsement.

The following is a list of changes that are considered an amendment and require prior approval from FHWA (as stated in January 23, 2020 letter from FHWA):

- Any revision which would result in the need for additional funding.
- Unless waived by the awarding agency, cumulative transfers among direct cost categories, or, if applicable, among separately budgeted programs, projects, functions, or activities which exceed or are expected to exceed ten percent of the current total approved budget, whenever the awarding agency’s share exceeds $100,000.
- Any revision of the scope or objectives of the project or program, regardless of whether there is an associated budget revision requiring prior approval.
- Need to extend the period of availability of funds.
- Changes in key persons in cases where specified in an application or a grant award. In research projects, a change in the project director or principal...
investigator shall always require approval unless waived by the awarding agency.

- Contracting out, sub-granting (if authorized by law) or otherwise obtaining the services of a third party to perform activities which are central to the purposes of the award. Unless described in the application and funded in the approved awards, the sub-award, transfer or contracting out of any work under an award. This approval requirement does not apply to the procurement of equipment, supplies, and general support services, these purchases are handled through procurement procedure guidance and do not require UPWP amendment.

- The absence for more than three months, or a 25 percent reduction in time devoted to the project, by the approved project director or principal investigator.

- The need for additional Federal funding.

- The transfer of funds allotted for training allowances (direct payment to trainees) to other categories of expense.

**Submission of Budget Reallocation Request:**

1. When submitting the standard Budget Reallocation Request form to MassDOT OTP, all fields must be filled out with clear indication that the FCTPO was consulted prior to submission. Back up documentation must be submitted, including the UPWP description of the task(s) affected, original budget, revised budget, and justification for request.

**Geographic and Social Distribution of UPWP Studies**

It is important to the FCTPO that UPWP studies are equitably distributed in Franklin County – both on a geographic basis and a social equity basis. To ensure an equitable distribution, the FRCOG staff have examined the past five years of UPWP-funded studies and prepared the following tables, which show the geographic distribution of studies by municipality and by location within FCTPO-identified Environmental Justice Target Areas/Title VI areas. In addition, the Appendix contains a map of all UPWP projects during this study period and their distribution across the region.
<table>
<thead>
<tr>
<th>Towns</th>
<th>Total # of Projects</th>
<th>% of Tasks</th>
<th>Median Town Income</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ashfield</td>
<td>34</td>
<td>4%</td>
<td>$71,364</td>
</tr>
<tr>
<td>Bernardston</td>
<td>34</td>
<td>4%</td>
<td>$59,167</td>
</tr>
<tr>
<td>Buckland</td>
<td>35</td>
<td>4%</td>
<td>$52,356</td>
</tr>
<tr>
<td>Charlemont</td>
<td>35</td>
<td>4%</td>
<td>$49,000</td>
</tr>
<tr>
<td>Colrain</td>
<td>34</td>
<td>4%</td>
<td>$46,452</td>
</tr>
<tr>
<td>Conway</td>
<td>35</td>
<td>4%</td>
<td>$79,286</td>
</tr>
<tr>
<td>Deerfield</td>
<td>37</td>
<td>4%</td>
<td>$75,307</td>
</tr>
<tr>
<td>Erving</td>
<td>34</td>
<td>4%</td>
<td>$61,083</td>
</tr>
<tr>
<td>Gill</td>
<td>34</td>
<td>4%</td>
<td>$75,776</td>
</tr>
<tr>
<td>Greenfield</td>
<td>35</td>
<td>5%</td>
<td>$48,493</td>
</tr>
<tr>
<td>Hawley</td>
<td>34</td>
<td>4%</td>
<td>$68,000</td>
</tr>
<tr>
<td>Heath</td>
<td>34</td>
<td>4%</td>
<td>$56,458</td>
</tr>
<tr>
<td>Leverett</td>
<td>35</td>
<td>4%</td>
<td>$78,125</td>
</tr>
<tr>
<td>Leyden</td>
<td>34</td>
<td>4%</td>
<td>$74,375</td>
</tr>
<tr>
<td>Monroe</td>
<td>35</td>
<td>4%</td>
<td>$32,083</td>
</tr>
<tr>
<td>Montague</td>
<td>37</td>
<td>4%</td>
<td>$47,236</td>
</tr>
<tr>
<td>New Salem</td>
<td>35</td>
<td>4%</td>
<td>$78,667</td>
</tr>
<tr>
<td>Northfield</td>
<td>34</td>
<td>4%</td>
<td>$60,721</td>
</tr>
<tr>
<td>Orange</td>
<td>37</td>
<td>4%</td>
<td>$41,473</td>
</tr>
<tr>
<td>Rowe</td>
<td>34</td>
<td>4%</td>
<td>$54,375</td>
</tr>
<tr>
<td>Shelburne</td>
<td>35</td>
<td>4%</td>
<td>$54,167</td>
</tr>
<tr>
<td>Shutesbury</td>
<td>34</td>
<td>4%</td>
<td>$73,173</td>
</tr>
<tr>
<td>Sunderland</td>
<td>35</td>
<td>4%</td>
<td>$50,417</td>
</tr>
<tr>
<td>Warwick</td>
<td>34</td>
<td>4%</td>
<td>$54,911</td>
</tr>
<tr>
<td>Wendell</td>
<td>35</td>
<td>4%</td>
<td>$38,636</td>
</tr>
<tr>
<td>Whately</td>
<td>35</td>
<td>4%</td>
<td>$75,982</td>
</tr>
</tbody>
</table>
Table 2: Social Distribution of UPWP Projects (FY2014-FY2019) by Environmental Justice and Title VI Areas

<table>
<thead>
<tr>
<th>Environmental Justice / Title VI Area (blockgroup)</th>
<th>Environmental Justice Area</th>
<th>Title VI Area</th>
<th>Total # of Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colrain, eastern portion</td>
<td>X</td>
<td>X</td>
<td>34</td>
</tr>
<tr>
<td>Deerfield, northern portion</td>
<td>X</td>
<td>X</td>
<td>37</td>
</tr>
<tr>
<td>Erving, western portion</td>
<td>X</td>
<td>X</td>
<td>34</td>
</tr>
<tr>
<td>Gill, entire town</td>
<td>X</td>
<td>X</td>
<td>34</td>
</tr>
<tr>
<td>Greenfield, Cheapside area</td>
<td>X</td>
<td>X</td>
<td>0*</td>
</tr>
<tr>
<td>Greenfield, town center and surrounding areas</td>
<td>X</td>
<td>X</td>
<td>35</td>
</tr>
<tr>
<td>Greenfield, west of I-91/Leyden Woods</td>
<td>X</td>
<td>X</td>
<td>0*</td>
</tr>
<tr>
<td>Monroe/Rowe/Charlemont</td>
<td>X</td>
<td></td>
<td>35</td>
</tr>
<tr>
<td>Montague, Millers Falls</td>
<td>X</td>
<td></td>
<td>0*</td>
</tr>
<tr>
<td>Montague, non-urban area</td>
<td>X</td>
<td>X</td>
<td>0*</td>
</tr>
<tr>
<td>Montague, Turners Falls</td>
<td>X</td>
<td>X</td>
<td>37</td>
</tr>
<tr>
<td>Northfield, northern portion</td>
<td>X</td>
<td></td>
<td>34</td>
</tr>
<tr>
<td>Orange, town center and surrounding areas</td>
<td>X</td>
<td></td>
<td>37</td>
</tr>
<tr>
<td>Shelburne, Shelburne Falls</td>
<td>X</td>
<td></td>
<td>35</td>
</tr>
<tr>
<td>Shutesbury/Leverett</td>
<td>X</td>
<td>X</td>
<td>34</td>
</tr>
<tr>
<td>Sunderland, entire town</td>
<td>X</td>
<td>X</td>
<td>35</td>
</tr>
<tr>
<td>Warwick/east Erving</td>
<td>X</td>
<td></td>
<td>34</td>
</tr>
<tr>
<td>Wendell, entire town</td>
<td>X</td>
<td>X</td>
<td>35</td>
</tr>
</tbody>
</table>

*Because many of these projects are region-wide and not focused on a specific location or corridor, Table 2 shows several EJ areas without any projects. This is because there are several towns with multiple EJ areas (Greenfield and Montague). Because of the nature of the region-wide/town-wide projects, these projects were assigned to just one of the towns’ EJ areas.

The examination of proposed, current, and past UPWP projects shows that the FCTPO has equitably distributed projects across the region and across to Environmental Justice and Title VI areas. Specifically, Table 1 shows that each town in the region has received approximately 4% of the projects that have occurred in the study period (34-37 projects per town). Many of these projects are region-wide studies that benefit all Franklin County towns, such as the Pedestrian Plan Update or the Regional Transportation Plan.
In terms of Environmental Justice (which looks at both income and race) and Title VI (which for the purposes of this report, looks at only race), the FCTPO has distributed more than half (54%) of the projects to EJ/Title VI areas.

Management and Support of the Planning Process

1.1 3C Program Support

Objectives:
To maintain an open, comprehensive, cooperative and continuing transportation planning and programming process involving local, regional, state and federal levels of government in conformance with applicable federal and state requirements and guidelines as per 23 CFR 450.314.

Previous Work:
1. Staff support to the Franklin County Transportation Planning Organization and the Franklin Regional Planning Board.
2. Liaison between towns and MassDOT.
3. All billing and administrative functions related to the 3-C contract.
4. Work on special projects including those not otherwise identified in this UPWP and/or covered under separate MassDOT contracts.

Procedures:
1. Provide administrative and technical support to the regional planning process. This includes:
   • Serving as support staff for the Franklin County Transportation Planning Organization (TPO) and the Franklin Regional Planning Board.
   • Providing liaison and technical assistance to local communities on transportation planning matters.
   • Reviewing federal and state transportation programs and related documents as required.
2. Present transportation plans and programs developed through the public participation process to the Committee of Signatories of the Franklin County Transportation Planning Organization for appropriate action (as seen on page 1).
3. Manage the transportation planning contract with the Office of Transportation Planning including:
- Staff supervision and work assignments.
- Attendance at monthly Transportation Planning Program Managers meetings.
- Contract invoicing.
- Staff participation in educational programs.

4. Update the TPO’s Memorandum of Understanding.

Products:
1. Public planning process including Transportation Planning Organization and Franklin Regional Planning Board meetings and other related meetings (on-going).
2. Administration of contract (on-going throughout the year).
4. Minutes and reports of TPO meetings (on-going).
5. Annual fiscal year audit reports. The FRCOG audit is completed as soon as possible following the close of the State Fiscal Year (June 30th). The audit and the associated Cost Allocation Plan is usually ready for review and approval by the following December. In this case, it would be anticipated to be completed by December 2020 and will be submitted to MassDOT and FHWA as typically done each year.
6. Letters and memoranda as required.
7. Update to the TPO’s Memorandum of Understanding.

Funding:

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Responsible Party:
FRCOG Staff

Community Beneficiary:
All Franklin County towns
1.2 Unified Planning Work Program

Objectives:
To develop a Unified Planning Work Program (UPWP) that describes the transportation planning activities to be undertaken for the coming program year. To monitor and report progress on work tasks.

Previous Work:
1. Monitoring of UPWPs.
2. Creation of UPWPs.

Procedures:
1. Prepare and continually maintain a Unified Planning Work Program endorsed by the Committee of Signatories of the Franklin County Transportation Planning Organization, which describes all transportation and transportation-related planning activities anticipated in the region during a one-year period (on-going throughout the year).
2. Develop a new UPWP for each contract year (ready for Public Review and Comment during April 2021, and endorsed by May 2021).
3. Post all Draft versions of the UPWP on the FRCOG website for public review and comment (April 2021).
4. Post the endorsed Final version of the UPWP on the FRCOG website for informational purposes (May 2021).

Products:
1. Monthly progress reports to be included with the contract invoicing (monthly).
3. Draft and Final versions of the UPWP available on the FRCOG website (as available).

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1.3 Transportation Improvement Program Preparation and Project Assistance

Objectives:
To develop a multi-year program of transportation improvement projects that is consistent with the region's transportation plan. To produce a TIP that is in compliance and in coordination with the State Implementation Plan (eSTIP). To prepare TIP Amendments or Adjustments as required. To ensure that all projects in the TIP are designed and advertised as efficiently as possible by working with municipalities and MassDOT. To assist municipalities with completion of Project Notification Forms and other forms contained in the MassDOT Design Guidebook that will help lead to project implementation. To apply Transportation Evaluation Criteria (TEC) in ranking potential TIP projects. Connect capital investments to municipal strategic land use plans by working with local municipalities.

Previous Work:
1. Creation of Transportation Improvement Programs.
2. Tracking project status to assist municipalities.
3. Assistance in completing Project Need Forms.
4. Monitoring and assisting proponents with Transportation Enhancement and TDM contract development.
5. Application of the Transportation Evaluation Criteria in ranking potential TIP projects.

Procedures:
1. Ensure early involvement of local legislators, chief local officials and citizens. Connect capital investments to municipal strategic land use plans by working with local municipalities. (Ongoing).
2. Provide technical assistance to municipalities and private interests in developing projects and priorities (as needed/requested).
3. Maintain a prioritized list of projects requested by MassDOT, Franklin County municipalities, the Franklin Regional Transit Authority (FRTA), or by the FRCOG (on-going).
4. Participate in “Readiness Day” meeting with MassDOT Highway Districts 1 & 2 Project Engineers, and the MassDOT Office of Transportation Planning in developing project information (February 2021 – this day is typically scheduled by OTP and is subject to their timeframe).

5. Solicit information on potential projects and the status of existing projects from local municipalities and stakeholders to develop the upcoming 2022-2026 TIP.

6. Meet with municipalities to complete Project Needs Forms and other appropriate forms from the MassDOT Design Guidebook, as needed (ongoing).


8. Convene a meeting of the Franklin TPO to release the TIP for public review and comment (April 2021).

9. Convene a meeting with the Franklin TPO to endorse the Final TIP (May 2021).

10. Post all Draft TIPs on the FRCOG website for review and comment by the Public (on-going throughout the year, but primarily focused during March through May, 2021).

11. Post Final TIP on the FRCOG website for informational purposes following endorsement (June 2021).

12. Prepare any TIP Amendments or Adjustments as required using the approved Franklin TPO Public Participation Plan.

13. Participate in the Statewide Highway Safety Improvement Program (HSIP) Steering Committee (ongoing).


Products:


2. An endorsed TIP for the Franklin County region that includes a listing of all transportation projects eligible to receive federal aid (by May 2021).

3. A Priority Listing of projects that is multimodal and developed with the Franklin TPO members using the regional Transportation Evaluation Criteria (April 2021).
4. Amendments and Adjustments to the TIP in accordance with FRCOG and statewide processes and endorsed by the TPO (as needed).
5. A listing of projects that were advertised for construction during FY 2019 for public information (by November 2020).
6. Draft and Final TIPs posted on the FRCOG website for public review, comment, and informational purposes (June 2021).

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**Responsible Party:**
FRCOG Staff

**Community Beneficiary:**
All Franklin County towns

**1.4 Public Participation Process**

**Objectives:**
To provide the public with accessible and complete information, timely notice, full access to key decisions and decision-making, and the opportunities for early and continuing involvement to uphold the goals of the 3C process in accordance with the provisions of the FAST Act. The process will adhere to Title VI, Environmental Justice regulations, as well as Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency. Work will be conducted in accordance with the endorsed Franklin TPO Public Participation Plan. In addition, a focus on the concept of “Ladders of Opportunity” will be included in the process.

**Previous Work:**
1. Attended relevant board meetings, committee meetings and conferences.
2. Worked during 2005/2006 to restructure the Franklin TPO planning process and composition of signatories.
3. Updated the Public Participation Process as needed to reflect necessary changes resulting from the passage of SAFETEA-LU and MAP-21 (2010 and 2015).

Procedures:
1. Continue work to update the Franklin TPO for greater inclusion of local and regional stakeholders in the decision-making processes (ongoing).
2. Explore and implement ways to conduct virtual outreach and public participation (ongoing).
3. Analyze the existing public involvement practices for their effectiveness in achieving the performance measures outlined in the planning regulations and identify additional innovative public involvement techniques and processes (ongoing).
4. Provide for, and support, the public participation process in transportation planning for Franklin County including: (ongoing)
   - Participate in local parking, traffic, bikeway and environmental committee meetings;
   - Provide information to the public in all areas of transportation that affect Franklin County;
   - Promote increased awareness of transportation issues and alternatives in the region;
   - Participate in informational programs related to handicapped accessibility and all environmental issues related to transportation; and
   - Provide preliminary and follow-up work for meetings as required.

Products:
1. Endorsed Plans, TIPs, UPWPs and other transportation-related documents, that reflect an active public participation process. An endorsed TIP and UPWP will be in place by May 2021.
2. Provide access by the general public to documents (on-going).
3. An evaluation of various public participation methodologies that may have applicability for Franklin County (on-going).
4. A public well informed about, and represented in, transportation issues and decisions in the region (on-going).
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### Responsible Party:
FRCOG Staff

### Community Beneficiary:
All Franklin County towns

### 1.5 Title VI/Environmental Justice

#### Objectives:

To ensure that all segments of the population are able to fully participate in the transportation planning process and have access to transportation facilities. The FCTPO and FRCOG staff comply with Title VI of the Civil Rights Act of 1964 which prohibits discrimination based on race, color, and national origin. Additional federal nondiscrimination laws considered by the Federal Highway Administration (FHWA) and MassDOT also prohibit discrimination on the basis of age, sex, and disability status. The FCTPO and FRCOG staff also complies with the 1994 Presidential Executive Order, which directs agencies receiving federal funds to make environmental justice part of its mission and to identify and address disproportionately high and adverse effects of its programs, policies, and activities on minority populations and low-income populations.

#### Previous Work:

1. Attendance at various meetings with MassDOT and FHWA to discuss the issue of Title VI and environmental justice and receive guidance on ensuring compliance.
2. Attendance at a FHWA Environmental Justice workshop.
3. Preparation of the 2000 to 2020 Updates to the Long Range Regional Transportation Plan included information and strategies about ensuring environmental justice.
5. Public outreach to target populations via local human service agencies and other appropriate organizations.

Procedures:
1. Continue to monitor and revise, as necessary, the Franklin County public participation process to strengthen minority, low income, and LEP population representation (ongoing).
2. Continue to review and update GIS data locating vulnerable populations (based on income, race, color, national origin, disability, age, and sex) with data on seniors and disabilities reported separately. (ongoing).
3. Analyze regional projects for both adverse impacts and benefits to these populations.
4. Consider environmental justice in all corridor studies, area-wide studies, and environmental impact statements (ongoing).
5. Consider the concept of Ladders of Opportunity during planning processes (ongoing).
6. Update the 2020 Title VI Compliance report according to MassDOT guidance (December 2020).
7. Prepare additional information as directed by MassDOT.

Products:
1. An inclusive transportation planning process with efforts to broaden representation on decision-making boards (on-going).
2. An updated Title VI Compliance Report according to guidance provided by MassDOT by December 2020.

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Responsible Party:
FRCOG Staff

Community Beneficiary:
All Franklin County towns
2. Data Collection and Analysis Activities

2.1 Review and Comment on Environmental Notification Forms (ENFs), Environmental Impact Reports (EIRs), and Support other Transportation Studies

Objectives:
To ensure proper review and analysis of traffic impacts of major residential, commercial and industrial developments throughout the region. To provide such information to MassDOT, EOEEA-MEPA Unit, town officials and other interested parties, as required. To support other transportation studies that may be occurring in the region.

Previous Work:
1. Review and comment on ENFs, EIRs, and related traffic studies.

Procedures:
1. Review ENFs, EIRs and other relevant documents, perform site visits, and identify appropriate mitigation measures as necessary.

Products:
1. Written and verbal comments to MassDOT, OTP, MEPA, the towns, and other interested organizations as required throughout the year until September 30, 2021.

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Responsible Party:
FRCOG Staff

Community Beneficiary:
All Franklin County towns

2.2 Geographic Information Systems and Computer Operations Support

Objective:
To apply Geographic Information System capabilities to planning analyses conducted by the Franklin Regional Council of Governments Planning
Department and to other transportation-related projects in the region using current GIS Technology and software. To perform regular maintenance and upgrading of computers.

**Previous Work:**
1. Maintenance of GIS hardware and software installation.
2. Refined and expanded knowledge of ArcGIS and ArcINFO.
3. Creation and maintenance of datalayers.
4. Maintenance of all office computers.
5. MassGIS Regional Services contract on address verification and NextGen 911.

**Procedures:**
1. Map creation for planning analysis (on-going throughout the year).
2. Acquire new digital databases from research organizations, universities, consultants, utilities, etc. (on-going throughout the year).
3. Fulfill requests for digital data, mapped or viewed (on-going throughout the year).
4. Participate in regional data and technology sharing efforts, particularly with MassDOT OTP and MassGIS (as available and on-going throughout the year).
5. Provide technical support to staff and member towns and organizations (on-going throughout the year).
6. Investigate and pursue ways of increasing computer-mapping applications through the use of GIS (on-going throughout the year).
7. Perform regular maintenance of computers including cleaning, troubleshooting, software installation and hardware set up (as needed and on-going throughout the year).
8. Explore ways to use available LIDAR data, including an investigation of optimal software packages and licenses to purchase.
9. Continue to post documents for review including the RTP, TIP, UPWP and other appropriate documents on the FRCOG website (ongoing).

**Products:**
1. New or updated data layers including bridge locations and condition, TIP projects, traffic volumes, crash locations, traffic count locations, route
systems, bicycle and pedestrian facilities, and others as warranted, by September 30, 2021.

2. Map compositions, as needed and on-going throughout the year.

**Funding:**

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**Responsible Party:**
FRCOG Staff

**Community Beneficiary:**
All Franklin County towns

**2.3 Air Quality Compliance, Modeling and Activities**

**Objective:**
To provide information to MassDOT to support the on-going development and use of statewide air quality modeling. To achieve and maintain conformity as defined by the Clean Air Act Amendments and FAST Act, and to assure that all relevant documents are in conformance with the SIP. To remain actively committed to air quality improvements in Franklin County and advancing projects that will improve air quality. To prepare information necessary for any projects to be presented to the Congestion Mitigation Air Quality (CMAQ) Consultation Committee. To quantify Green House Gases (GHG) impacts of all TIP Projects. To explore the creation of an electric vehicle charging station bulk purchase program for Franklin County municipalities.

**Previous Work:**
1. Air quality analyses for RTPs and TIPs.
2. Attendance at all relevant air quality and modeling meetings.
3. Preparation of air quality analyses for the CMAQ Consultation Committee.
Procedures:

1. Work with the staff and consultants from MassDOT OTP to provide information as needed to support the development and use of a statewide air quality model.
2. Prepare documentation as required for eligible Congestion Mitigation Air Quality (CMAQ) projects.
3. Calculate GHG impacts of all TIP projects.

Products:

1. An air quality assessment of all TIP projects expected to have an adverse impact on air quality (non-exempt projects) by September 30, 2021.
2. Table of GHG impacts for TIP by May 2021.

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Responsible Party:
FRCOG Staff

Community Beneficiary:
All Franklin County towns

2.4 Performance Measurement/State Data Center Affiliate

Objectives:

To monitor and track the established RTP performance measures as data becomes available and coordinate with MassDOT and FHWA regarding performance measure requirements. To maintain a comprehensive regional database of socioeconomic, land use, traffic pattern and other statistics in order to fulfill requests and support analysis and planning. To disseminate the products of the Census Bureau and the UMass Amherst Donahue Institute, the state data center. To fulfill the responsibilities of a state data center affiliate and to create and/or provide access to other databases, tabular or mapped. Continue partnership with the regional agencies to develop, refine, and facilitate distribution of important data sets.
Previous Work:
1. Fulfilled data requests.
2. Produced reports and analyses for internal and public use.

Procedures:
1. Gather data for performance measures in the RTP and track the progress of the measures against established goal targets.
2. Coordinate with MassDOT and FHWA regarding performance measure requirements, including FHWA Performance Measures, as well as MassDOT’s Transportation Asset Management (TAM) measures.
3. Coordinate with FRTA regarding transit performance measures.
4. Provide existing data upon request.
5. Conduct analysis as required by data requests.
6. Circulate and produce new data reports: including U.S. Census American Community Survey products, Donohue Institute Population Projections, State Labor Force statistics, etc. as it becomes available.
7. Work with other regional agencies to develop, refine and facilitate distribution of important data sets (ongoing).

Products:
1. Performance measure summary and progress as data is available.
2. Customized data packets and analysis, as requested throughout the year.
3. Fulfilled data requests, on-going throughout the year.
4. Assimilated American Community Survey data as available.

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Responsible Party:
FRCOG Staff
Community Beneficiary:
All Franklin County towns

2.5 Traffic Counting and Additional Data Collection
Objectives:
To maintain a database of traffic counts for Franklin County to be used for transportation planning, including bicycle and pedestrian counts. To monitor growth in traffic volumes and to determine existing traffic volumes on Franklin County roads. To perform the coverage counts for MassDOT. To conduct travel time runs, intersection analyses, and other data collection activities as necessary to support transportation planning efforts to continue improving regional mobility and air quality.

Previous Work:
1. Regional traffic counting program from 1991 to 2019.
2. Seasonal adjustment of traffic counts.
3. Compilation of all counts into a published database.
4. Analyzed congested intersections in region.
5. Updated crash statistics for the region and produced reports on the most hazardous intersections in Franklin County approximately every 3 years.
6. Assisted MassDOT District 2 with data collection to support safety improvements along Route 116 in Sunderland.
7. Worked with MassDOT District 2 to identify safety improvements for the I-91/Route 2 rotary.

Procedures:
1. Perform counts in accordance with an approved schedule, and as directed by MassDOT OTP (as weather permits).
2. Gather counts from other sources; MassDOT, PVPC, BRPC, towns, the states of Vermont and New Hampshire, developers, etc. (ongoing).
4. Perform local counts as requested (Spring-Fall).
5. Perform internally identified counts to support continued development of other transportation projects as needed.
6. Conduct a bicycle count on the Canalside Trail Bikepath using automated traffic counter (Spring-Fall).
7. Conduct intersection analyses, analyze results, and recommend congestion improvements at identified congestion areas as needed.
8. In coordination with MassDOT, collect data on: park and rides; affordable housing; and municipal asset management (Ongoing).

Products:
1. Updated database that includes date of counts, average daily traffic, factored average daily traffic, peak hour traffic volume, average speed, vehicle type, and breakdown of traffic by hour by December 2021. This database will include bicycle and pedestrian counts conducted.
2. Collected and analyzed park and ride data in coordination with MassDOT.
3. Affordable housing information collected in a database and an updated database of municipal assets and those towns that have a municipal asset management system.

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Responsible Party:
FRCOG Staff

Community Beneficiary:
All Franklin County towns

2.6 Pavement Management Program of the Federal Aid System

Objectives:
Maintain a pavement management program for Franklin County and maintain a database of pavement condition on federal aid eligible roadways in the region. Collect pavement condition data on the federal aid road system over a three year rotating schedule. The data collected through this task will be analyzed in an effort to assist TPO staff in assigning priorities to roadways regarding rehabilitation needs.

Previous Work:
7. Updates to the Road Inventory File (2010).

Procedures:
1. Conduct training sessions for internal staff on pavement condition data collection procedures (Spring 2021).
2. Survey federal aid roads on a rotating basis over three years (Spring-Fall 2021).
4. Update the database, including recent roadway improvement projects (Winter 2020-2021).
5. Assist towns with Pavement Management analysis upon request.
6. Evaluate pavement conditions and future needs with regards to effects of climate change on pavement resiliency (ongoing).

Products:
1. Updated database of pavement conditions for one of three groups of federal aid eligible roads (September 2021).
2. Map of pavement conditions in the region (September 2021).

Funding:

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Responsible Party:
FRCOG Staff

Community Beneficiary:
All Franklin County towns
3. Transportation Planning Studies

Often, studies included in this section can generate projects that will be considered by the TPO for inclusion on a future TIP. It is the intent of these projects to complete the planning necessary for projects to advance to an implementation stage, or to support the implementation of additional projects, such as safety improvements identified through the investigation of hazardous intersections. The TPO will take into consideration the results of these projects when developing subsequent UPWPs and TIPS.

3.1 Resiliency and Culvert Assessments

Objectives:
Inventory recently completed Municipal Vulnerability Preparedness Plans and Multi-Hazard Mitigation Plans in Franklin County to identify at the regional scale vulnerable assets and common strategies to increase resilience.

Assess and map municipal culverts to create an infrastructure inventory and evaluate conditions. Depending on size of towns, 2-3 communities will be assessed. Communities will be selected based on responses to annual FRCOG survey of town planning needs.

Previous Work:

Procedures:
1. Compile a summary report that identifies at the regional scale vulnerable assets and common strategies to increase resilience (Fall 2020).
2. Assess and map culverts (Fall 2020 and Spring/Summer 2021).
3. Compile summary report that provides a condition rating for each culvert (Summer 2021).
4. Create an online, interactive map that shows the location and evaluation information for each culvert (Summer 2021).
Products:
1. Summary report of regional vulnerabilities and resiliency strategies at the county scale (Winter 2021).
2. Summary Culvert Assessment report for each Town conducted (September 2021).
3. Online map of municipal culverts (September 2021).

Funding:

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Responsible Party:
FRCOG Staff

Community Beneficiary:
Selected Franklin County towns for the culvert assessments and all towns for the vulnerability assessment.

3.2 Planning to Develop a Bike Share Program in Franklin County
Objectives:
To conduct the planning, outreach, and coordination necessary to implement a bike share program in Franklin County, ideally teaming up with the existing Valley Bike Share to expand the program coverage area to include Franklin County. Consider technologies and infrastructure systems that are available, and outline a potential system that could work and determine the costs of implementation. The previous Feasibility Study of Implementing a Bike Share Program in Greenfield and the 2020 RTP show that there is interest in increasing non-vehicular modes of transportation in the region.

Previous Work:
1. Feasibility Study of Implementing a Bike Share Program in Greenfield, 2015.
2. Updated Franklin County Bikeway Plan, 2010.
3. Updated Eastern, Western, and Central Franklin County Bikeway maps.
4. Oversaw design of Riverside Greenway and Canalside Trail.
5. Secured a 2002 TDM approval to purchase and install shared roadway signs and bicycle parking along the planned bikeway, and to develop a promotional campaign to encourage traveling by bike.
6. Determined sign locations needed to install Share the Road and trailblazing signs.
7. The Franklin County Pedestrian Plan.
8. Developed Walk Franklin County walking maps.

**Procedures:**
1. Research bike share programs that are of a comparable scale (Fall 2020).
2. Identify implementation options, such as docking and payment systems, and potential program components, including coordination with Valley Bike Share for a potential partnership (Fall 2020).
4. Research potential users through surveys, interviews, and outreach to the Towns (Winter-Summer 2021).
5. Provide a summary report of the findings (Summer 2021).

**Products:**
1. A written Bike Share Plan that includes details about the potential program and options for coordinating with Valley Bike Share and/or procuring a vendor or operator for the system. This work will be guided by the MassDOT Municipal Resource Guide for Bikability and will specifically evaluate interest, capacity, physical environment and funding. (Fall 2021).
2. Information on comparable bike share programs (Summer 2021).
3. Estimated implementation costs (Summer 2021).
4. Summary of projected interest in the program based on the results of outreach through surveys, interviews, and outreach to the towns. This outreach will seek both community support and stakeholder support as outlined in the MassDOT Municipal Resource Guide for Bikeability (Fall 2021).
Funding:

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Responsible Party:
FRCOG Staff

Community Beneficiary:
All Franklin County towns

3.3 Marketing of New Passenger Rail Service and Monitoring of Performance

Objectives:
A pilot passenger rail service expansion to Greenfield began in 2019. The FRCOG will work with the Pioneer Valley Planning Commission, local Chambers of Commerce, regional tourism councils, MassDOT, Amtrak, and other stakeholders to continue to identify target groups and roll out a marketing plan to promote this service to residents, businesses, and regional entities. Staff will also work with MassDOT and the Pioneer Valley Planning Commission (PVPC) to compile and track performance measures to determine the success of the pilot service expansion. This task has been continued due to the interruption from COVID-19 in 2020. Rather than launching the marketing campaign in April, 2020, it is being explored if an April 2021 launch seems appropriate, and how the campaign message should shift in light of new travel patterns and perhaps additional waves of COVID-19.

Previous Work:
1. Hired consultants to create a marketing plan (2020).
4. Participated in the Knowledge Corridor rail feasibility planning study.
5. Completed the Bicycle and Rail Tourism Study (2018)
6. Completed the Enhance Visitor Use of Passenger Rail Study (2017)

Procedures:
1. Continue work with the Pioneer Valley Planning Commission, local Chambers of Commerce, regional tourism councils, MassDOT, Amtrak,
and other stakeholders to roll out a marketing plan once the train service has resumed after COVID-19 social distancing is over (ongoing).

2. Work with MassDOT, Amtrak, and PVPC to finalize a set of performance measures to evaluate the success of the service (Fall 2020).

3. Continue tracking the performance measures, including ridership with platform counts and Amtrak data comparison, on-time performance of trains, and revenue. (On-going)

4. Start to identify and understand the aspects of the service expansion that are working well (or are less successful) to refine and improve service (Summer 2021).

Products:

1. Completion of a marketing plan and media strategy that is sensitive to and reflective of the unprecedented travel impacts of COVID-19.

2. Implementation of marketing plan for regional promotion of the pilot passenger rail expansion (ongoing).

3. Performance measures to track success of pilot passenger rail service (ongoing).

4. Summary report of performance measures for pilot service to date with initial evaluation of aspects of service that are working well or as less successful (Spring 2021).

Funding:

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Responsible Party:  
FRCOG Staff

Community Beneficiary:  
All Franklin County towns
3.4 Regional Electric Vehicle Charging Station Program

**Objective:**
To develop a regional Transportation Improvement Program project to purchase and install electric vehicle charging stations within Franklin County. Similar programs in other regions will be researched and studied to identify factors leading to success. Criteria for identifying locations and selecting equipment will be developed, as well as procedures for communities to apply for implementation funding. This task would update the 2017 EV Charging Station inventory to include new stations. With this new information, an evaluation of areas that are still lacking stations will be conducted. Outreach will be conducted to municipal officials and potential private sector partners to inform them of the programs available to encourage the installation charging stations in their area.

**Previous Work:**
1. FRCOG Bicycle Parking Program Procurement (2016)
2. Public EV charging station demand study (2017)
3. Technical assistance to communities/organizations to help apply for EV charging station funding (EVIP, Green Communities) (ongoing)

**Procedures:**
1. Review previous studies and requests for EV charging stations to identify level of interest and need (Fall 2020).
2. Research equipment and installation requirements, including right-of-way requirements, CMAQ eligibility and coordination with MassDOT (Fall 2020).
3. Research and assess level of interest from other regions in potential joint purchase program (Winter 2020).
5. Present program proposal to Franklin County Transportation Planning Organization for programming in future Transportation Improvement Program (Spring 2021).

**Product:**
1. Updated Franklin County EV charging station inventory (Winter 2020/2021).
2. TIP project cost estimate (Spring 2021).
3. Program application criteria and procedures (Spring 2021).
5. Vendor joint purchase agreement(s) (possible) (Spring 2021).
**Funding:**

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**Responsible Party:**
FRCOG Staff

**Community Beneficiary:**
All Franklin County towns

### 3.5 Planning for Implementation of the Franklin County Bikeway Trailblazing Signs

**Objectives:**
To complete the planning work necessary to facilitate the installation of the remainder of the Franklin County Bikeway trailblazing signs. The 2009 Franklin County Bikeway Plan defined a region-wide shared roadway bike network. This task will include the completion of the planning work to create a finalized list of sign locations and number of signs to be used to procure the fabrication and installation of signs. Secure funding through the Transportation Improvement Program for CMAQ target funds for implementation and complete all necessary permitting. Prepare bid package to complete the procurement.

**Previous Work:**
1. Franklin County Bikeway Maps
2. Franklin County Bikeway Plan (2009)
3. Procured and Installed trailblazing signs on the 4 original Franklin County Bikeway routes in central Franklin County using a Transportation Demand Management Grant.

**Procedures:**
1. Compile the proposed sign locations that were previously collected into a spreadsheet to be used for the procurement of a sign installation contractor. Check accuracy and finalize maps of the sign locations, the types of signs to be installed at each location, and the total number of
type of sign needed. Develop a cost estimate for the purchase and installation of the signs (Winter 2021).

2. Communicate with towns in which the signs are being installed about the project (Fall 2020).

3. Submit locations that are on state highway to MassDOT district office for review and permitting (Winter 2021).

4. Complete MassDOT project initiation paperwork (Fall 2020).

5. Complete all necessary permitting, including right-of-way access (Winter 2021).

6. Secure endorsement from Franklin County Transportation Planning Organization to fund implementation with regional CMAQ target funds in a future year of the Transportation Improvement Program. Complete all necessary permitting (Spring 2021).

7. Compile the bid documents to be used for procurement of sign fabrication and installation (Summer 2021).

Products:
1. A final list of the signs at each location for all of the Franklin County Bikeway routes (Winter 2021).

2. Maps showing the sign locations by route (Winter 2021).


4. Completed bid documents to be used for the procurement of the sign fabrication and installation (Spring/Summer 2021).

Funding:

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Responsible Party:
FRCOG Staff

Community Beneficiary:
All Franklin County towns
3.6 East County Park and Ride Study

Objectives:
Identify potential locations in the Eastern portion of Franklin County for park and ride lots and work with municipalities and MassDOT on the creation of official park and ride lots. Assess performance of existing park and ride lots in the rest of Franklin County in coordination with MassDOT.

Previous Work:
1. Franklin County Park and Ride Study (2008).

Procedures:
1. Identify potential locations for park and ride facilities based on traffic and commute patterns (Winter 2020).
2. Work with municipalities to identify optimal parcels and work with MassDOT towards having these lots become official park and ride lots (Spring –Fall 2021).
3. Assess the performance of existing lots in the County in coordination with MassDOT data collection standards (Fall 2021).

Products:
1. Report recommending park and ride locations in East County and next steps towards implementation (2021).

Funding:

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Responsible Party:
FRCOG Staff

Community Beneficiary:
East County Towns (New Salem, Orange, Shutesbury, Warwick, Wendell)
4. **Ongoing Transportation Activities**

4.1 **Local Technical Assistance**

**Objective:**
To assist municipalities in all aspects of transportation planning and related issues.

**Previous Work:**
1. Assisted Franklin County towns with a variety of transportation-related issues.

**Procedures:**
1. Provide local technical assistance to communities on an as-requested basis. Such assistance could include data collection, operational analyses, origin-destination surveys, GIS products, traffic calming studies, or alternate design studies.
2. Work with local legislators to provide information on projects and coordinate efforts to secure funding for some projects (ongoing).
3. Provide information on transportation planning activities to the FRCOG website, quarterly reports, and annual report (ongoing).
4. Assist communities in advancing projects from planning studies into the MassDOT Project Development Process, specifically the preparation of Project Need Forms and Project Initiation Forms (as needed).

**Products:**
1. Document and record all work completed for municipalities (on-going).
2. Exact products to be determined based on requests by the towns that are unknown until the requests are made.
3. Contribute to the FRCOG website, quarterly report, and annual report (ongoing).
4. Completed Project Need Forms and Project Initiation Forms for towns as requested.
Funding:

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Responsible Party:
FRCOG Staff

Community Beneficiary:
All Franklin County towns

4.2 Implementation of the Route 2 East Safety Improvement Study

Objectives:
To work cooperatively with MassDOT, the Montachusett Regional Planning Commission (MRPC), and the Route 2 Task Force to analyze and implement the recommended safety improvements resulting from the Route 2 Safety Improvement Study.

Previous Work:
1. Facilitated completion of Route 2 Safety Improvement Study.
2. Provided staff support to Route 2 Task Force.
3. Worked with MassDOT District 2 to pursue improvement projects.
4. Participated in development and review of design and engineering of the first four significant construction/implementation projects.
5. Participated in the development of safety recommendations for Farley and Erving Center areas of Erving, and for Gill and Greenfield.
6. Coordinated several information meetings and tours with local legislators and stakeholders.

Procedures:
1. Provide technical support to the Route 2 Task Force as needed.
2. Facilitate public participation, especially in Route 2 communities, to ensure broad representation and consensus (ongoing).
3. Work with MassDOT to schedule and hold public information meetings and design public hearings for the Erving Center and Farley plans currently under development.

4. Complete appropriate analysis and work necessary to continue implementation of recommended safety improvements as needed.

**Products:**

1. Implementation of Route 2 Safety Improvement Study recommendations (on-going).
2. Public information meetings and design hearings for Erving Center and Farley (as design stages are achieved).

**Funding:**

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**Responsible Party:**

FRCOG Staff

**Community Beneficiary:**

All Franklin County towns

4.3 Expansion of Transit and Rail Service in Franklin County

**Objective:**

To assess and identify new transit fixed routes and/or expansion of existing fixed routes and paratransit services to enhance the mobility of residents in Franklin County. To continue to advocate for increased public transit options in the region. To also continue to advocate for increased freight and passenger rail service in Franklin County to improve the mobility of people and goods. To work to keep Expanded Regional Passenger Rail Service in the region.

**Previous Work:**

1. Conducted public outreach for the FRTA Comprehensive Service Analysis.
2. Served on the Regional Coordinating Council for Franklin County.
4. Completed the West County and North County Transportation Study.
5. Completed Greenfield to Gardner Transit study and participated in the start-up of the “G-Link” between Greenfield and Gardner.
6. Worked with local transit authorities to expand current fixed routes and began efforts to start new route between Greenfield and Northampton.
7. Developed the Locally Coordinated Plan for Franklin County.
8. Participation in the Knowledge Corridor rail feasibility planning study.
9. Member of the East-West Rail Advisory Committee.
10. Served on the FRTA Advisory Board.

Procedures:
1. Work with the Franklin Regional Transit Authority, Pioneer Valley Transit Authority, UMass Transit, and Montachusett Regional Transit Authority to ensure that efficient and effective connections are made between Franklin County and other regions (ongoing).
2. Work with the FRTA to continue pursuing expanded transit service in the County (ongoing).
3. Continue to pursue opportunities that will enhance transportation options for the underserved.
4. Participate in the Regional Coordination Councils (RCC) to address paratransit community transportation service gaps (ongoing).
5. Continue efforts to increase rail freight movement.
6. Continue efforts to identify east-west passenger rail opportunities.
7. Continue working with stakeholders to implement regional expanded rail service throughout the day between Greenfield and Springfield.
8. Continue to evaluate the Massachusetts Rail Plan to ensure that there is coordination between rail planning efforts.

Products:
1. Progress toward expansion of existing fixed route services and an enhanced demand response system for Franklin County (on-going).
2. Progress toward increasing transit ridership in region (on-going).
3. Progress toward expansion of freight rail use in Franklin County (on-going).
Funding:

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Responsible Party:  
FRCOG Staff

Community Beneficiary:  
All Franklin County towns

4.4 Franklin County Bikeway and Pedestrian Planning

Objectives:
To continue implementation of previously identified portions of the Franklin County Bikeway as a non-motorized transportation alternative that is multi-user and multi-purpose, to begin implementation of newly identified bikeway facilities, to explore additional bike route options, and to develop and implement pedestrian facilities in the region. To continue to work towards making bicycling and walking throughout the region safer.

Previous Work:
1. Updated Franklin County Bikeway Plan, 2009.
3. Oversaw design of Riverside Greenway and Canalside Trail.
4. Secured a 2002 TDM approval to purchase and install shared roadway signs and bike parking racks along the planned bikeway, and to develop a promotional campaign to encourage traveling by bike.
5. Determined sign locations needed to install Share the Road and Franklin County Bikeway trailblazing signs.
6. Developed the Franklin County Pedestrian Plan.
7. Updated Walk Franklin County walking maps (2017).

Procedures:
1. Continue bicycle safety efforts and implement additional recommendations from the Bicycle Public Safety Campaign by working
with law enforcement, government agencies, and other stakeholders in the region (ongoing).

2. Conduct bicycle and pedestrian safety audits around the region (ongoing).

3. Work with the Franklin County Bikeway Advisory Committee on route prioritization, decision-making, public outreach and education. Coordinate with affected landowners, residents, local businesses and government agencies to ensure that all interests are involved (on-going).

4. Foster partnerships with interested groups (ongoing).

5. Support efforts to include pedestrian facilities in the construction of other transportation improvements (on-going).

6. Promote bicycle tourism in the region (on-going).

7. Support efforts to promote Complete Streets in Franklin County (on-going).

8. Assist communities in placing projects into the MassDOT Highway Division’s project development process (on-going).

9. Use GIS to identify gaps in the bicycling and pedestrian networks and work with local and state officials to close these gaps (on-going).

10. Work with MassDOT as its implements the statewide bicycle and pedestrian plans.

Product:
1. Ongoing implementation of the Bicycle Public Safety Campaign (ongoing).
2. Ongoing planning and development of new bikeway connections and expansions of the proposed network (on-going).
3. Ongoing promotion of bicycle tourism in the region (on-going).
4. Work toward implementation of pedestrian facilities (on-going).
5. Development of complete streets recommendations for upcoming construction projects (On-going).

Funding:

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Responsible Party:
FRCOG Staff
Community Beneficiary:
All Franklin County towns

4.5 Education, Outreach, and Interregional Coordination
Objectives:
To participate in interregional and statewide efforts, and to present information created either through these interregional efforts or through the FRCOG transportation work program to agencies, professional organizations, or conferences. To work with neighboring regions on identifying scopes of work and implementation plans for interregional projects such as scenic byway corridor management plans and projects. To work with local stakeholders on efforts to support healthy transportation and improve regional health outcomes.

Previous Work:
1. MARPA representation on various task forces including the Transportation Enhancement Committee.
5. Partner with Windham Regional Commission and the Southwest Region Planning Commission on Tri-State transportation and economic development issues.
6. Participant in developing the region’s first Community Health Improvement Plan (CHIP).

Procedures:
1. Work cooperatively with MassDOT and MARPA to address interregional and statewide transportation planning and funding issues (ongoing)
2. Conduct public presentations to inform local and regional advocacy groups, transportation professionals, and public officials about statewide and interregional transportation planning efforts, funding issues, or innovative programs (ongoing).
3. Work with Berkshire Regional Planning Commission, Pioneer Valley Planning Commission, Montachusett Regional Planning Commission, Central Massachusetts Regional Planning Commission, Windham
Regional Commission (Vermont) and the Southwest Region Planning Commission (New Hampshire) on interregional projects including scenic byway planning and project implementation, and interregional biking opportunities.

4. Work with the Franklin County Community Health Improvement Plan (CHIP) to help improve health outcomes of Franklin County residents through a built environment that supports healthy transportation and active living.

Products:
1. State and interregional agreements about transportation planning and funding as appropriate and as determined by the Franklin TPO (on-going throughout the year).
2. A public well informed about transportation planning efforts, funding, and innovative programs (on-going).
3. Cooperative work agreements between the FRCOG and neighboring regions to conduct interregional planning and projects (on-going).
4. Continued participation in the CHIP planning process to improve the health of Franklin County residents through healthy transportation planning (on-going).

Funding:

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Responsible Party:
FRCOG Staff

Community Beneficiary:
All Franklin County towns

4.6 Scenic Byway Implementation Objectives:
To maintain public awareness about the Scenic Byways in Franklin County by carrying out the recommendations that were identified in previously completed Corridor Management Plans. To work with the communities along the Scenic
Byways to implement projects that are already funded. Continue to develop new projects as outlined in the Corridor Management Plans. To secure funding to implement projects contained in the Corridor Management Plans. To update and maintain the Western Massachusetts Scenic Byway website.

**Previous Work:**
6. Design and Development of Improvements at the Sunderland Scenic Turnout.
7. Design and Development of informational kiosks, historic district signs and vista pruning on the Mohawk Trail Scenic Byway.
10. Preparation of applications for funding to the National Scenic Byway Program.

**Procedures:**
1. Provide local technical assistance to the communities along the five Scenic Byways in Franklin County to implement approved and funded Scenic Byway Projects, to further the priorities identified in the Corridor Management Plans, and to support the overall goals of the Byway program (on-going).
2. Provide support to maintain the Scenic Byway website that was established as part of the Western Massachusetts Scenic Byway Marketing Project (quarterly).
3. Complete follow-up and support to other Scenic Byway projects such as the Western Massachusetts Scenic Byway Marketing Project, the Scenic Byway Land Protection Project and the previously completed Corridor Management Plans (on-going).

**Products:**
1. Facilitated meetings of the Scenic Byway Advisory Committees (as needed).
2. Completed Scenic Land Acquisitions for the Mohawk Trail, Connecticut River, and Route 112 Scenic Byways (as funding allows).
3. Completed periodic updates to, and maintenance of, the information contained on the website developed as part of the Western Massachusetts Scenic Byways Marketing Project (as needed).

**Funding:**

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**Responsible Party:**
FRCOG Staff

**Community Beneficiary:**
All Franklin County towns
# 2021 Franklin Unified Planning Work Program

## Budget Summary by Task

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<td>2.2</td>
<td>Geographic Information Systems and Computer Operations Support</td>
<td>$40,000</td>
</tr>
<tr>
<td>2.3</td>
<td>Air Quality Compliance, Modeling and Activities</td>
<td>$2,000</td>
</tr>
<tr>
<td>2.4</td>
<td>Performance Measurement / State Data Center Affiliate</td>
<td>$9,000</td>
</tr>
<tr>
<td>2.5</td>
<td>Traffic Counting and Additional Data Collection</td>
<td>$47,000</td>
</tr>
<tr>
<td>2.6</td>
<td>Pavement Management</td>
<td>$14,000</td>
</tr>
<tr>
<td><strong>Task 2 Subtotal</strong></td>
<td></td>
<td><strong>$115,000</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Task</th>
<th>Transportation Planning Studies</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1</td>
<td>Resiliency and Culvert Assessments</td>
<td>$40,000</td>
</tr>
<tr>
<td>3.2</td>
<td>Planning to Develop a Bike Share Program in Franklin County</td>
<td>$30,000</td>
</tr>
<tr>
<td>3.3</td>
<td>Marketing of New Passenger Rail Service and Monitoring</td>
<td>$40,000</td>
</tr>
<tr>
<td>3.4</td>
<td>Regional Electric Vehicle Charging Station Program</td>
<td>$25,000</td>
</tr>
<tr>
<td>3.5</td>
<td>Planning for the Implementation of Franklin County Bikeway</td>
<td>$25,000</td>
</tr>
<tr>
<td>3.6</td>
<td>East County Park and Ride Study</td>
<td>$25,000</td>
</tr>
<tr>
<td><strong>Task 3 Subtotal</strong></td>
<td></td>
<td><strong>$185,000</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Task</th>
<th>Ongoing Transportation Activities</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1</td>
<td>Local Technical Assistance</td>
<td>$16,000</td>
</tr>
<tr>
<td>4.2</td>
<td>Implementation of Route 2 Safety Improvement Study</td>
<td>$6,000</td>
</tr>
<tr>
<td>4.3</td>
<td>Expansion of Transit and Rail Service in Franklin County</td>
<td>$33,000</td>
</tr>
<tr>
<td>4.4</td>
<td>Franklin County Bikeway and Pedestrian Planning</td>
<td>$35,000</td>
</tr>
<tr>
<td>4.5</td>
<td>Education, Outreach, and Interregional Coordination</td>
<td>$30,000</td>
</tr>
<tr>
<td>4.6</td>
<td>Scenic Byway Implementation</td>
<td>$10,000</td>
</tr>
<tr>
<td><strong>Task 4 Subtotal</strong></td>
<td></td>
<td><strong>$130,000</strong></td>
</tr>
</tbody>
</table>

**Total** | **$565,124** |
APPENDIX

Map Showing the Geographic Distribution of UPWP Projects (FY2016-FY2021)
Geographic Distribution of UPWP Projects in Environmental Justice and Title VI Areas (2016-2021)

Legend
- Town Boundaries
- 12% or more of blockgroup population is below poverty level
- 9% or more of blockgroup population is minority

Number of UPWP Projects per Town each Year
- FY 2016 UPWP Projects
- FY 2017 UPWP Projects
- FY 2018 UPWP Projects
- FY 2019 UPWP Projects
- FY 2020 UPWP Projects
- FY 2021 UPWP Projects

Source: Blockgroup data from the 2008-2013 ACS, U.S. Census. Town boundary provided by MassGIS.
Other Regional Projects and Federal Grants

A summary of the transportation funding sources for the Franklin Regional Council of Governments Planning Department are represented in the 2020 UPWP, and through the forthcoming separate contracts, follows.

FHWA/MassDOT Funded Grants During FY 2021 UPWP Year

<table>
<thead>
<tr>
<th>Name of Grant</th>
<th>Source of Funding</th>
<th>Budgeted Amount During 2021 UPWP Year</th>
<th>Expiration of Contract</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-C (contract # 109364)</td>
<td>SPR</td>
<td>$565,124</td>
<td>9/30/21</td>
</tr>
<tr>
<td>Valley Flyer Marketing</td>
<td>SPR</td>
<td>$100,000</td>
<td>6/30/21</td>
</tr>
</tbody>
</table>

Related Planning Projects Being Conducted by the FRCOG

Beyond the tasks described within this document, the Franklin Regional Council of Governments is involved in other projects that will affect the transportation planning process in the region. The FRCOG is currently working on projects related to public health, food security, housing needs, and economic development. This work throughout the region will support 3C related projects. The following table summarizes other FRCOG planning grants that will influence and improve transportation planning during the FY 2021 UPWP year.

<table>
<thead>
<tr>
<th>Name of Grant</th>
<th>Source of Funding</th>
<th>Budget</th>
<th>Term of Grant</th>
</tr>
</thead>
<tbody>
<tr>
<td>District Local Technical Assistance</td>
<td>MA DHCD</td>
<td>$100,000</td>
<td>1/1/2020 - 12/31/2021</td>
</tr>
<tr>
<td>Planning Partnership Grant</td>
<td>US EDA</td>
<td>$70,000</td>
<td>7/1/2019 - 6/30/2020</td>
</tr>
<tr>
<td>Brownfields Assessment Grant</td>
<td>US EPA</td>
<td>$200,000</td>
<td>10/1/2019 - 9/30/2022</td>
</tr>
<tr>
<td>Franklin County Stormwater Management Plan</td>
<td>MA EOEEA</td>
<td>$40,000</td>
<td>6/30/2021</td>
</tr>
<tr>
<td>Valley Flyer Marketing</td>
<td>MOTT through PVPC</td>
<td>$250,000</td>
<td>6/30/2020</td>
</tr>
<tr>
<td>Deerfield ADA Assessment</td>
<td>MAOD</td>
<td>$13,000</td>
<td>6/30/2020</td>
</tr>
</tbody>
</table>
The Planning Department is also actively involved in other significant transportation projects in the region. MassDOT is currently implementing and designing projects identified in the Route 2 Safety Improvement Study. Since 2006, several major projects have been constructed. Additional projects that are nearing the 25% design stage are in Erving Center and Farley, and improvements for Greenfield/Gill are in the planning stage. The FRCOG is working closely with MassDOT District 2, the Montachusett Regional Planning Commission, and the Route 2 Task Force during all phases of this work.

Relevant Transportation-Related Acronyms

AASHTO: American Assoc. of State Highway & Transportation Officials
ABP: Accelerated Bridge Program
ADA: Americans with Disabilities Act
ADT: Average Daily Traffic
AFC: Automated Fare Collection
AICP: American Institute of Certified Planners
ANR: Approval Not Required
ATR: Automatic Traffic Recorder
BMS: Bridge Management System
CAAA: Clean Air Act Amendments of 1990
CDBG: Community Development Block Grant
CFR: Code of Federal Regulations
CIP: Capital Improvement Program
CMAQ: Congestion Mitigation and Air Quality
CMP: Congestion Management Process
CO: Carbon Monoxide
COA: Council On Aging
CPS: Corridor Planning Study
CSS: Context Sensitive Solutions
DCR: Department of Conservation and Recreation
DDS: Department of Developmental Services
DEP: Department of Environmental Protection
DHCD: Department of Housing & Community Development
DLTA: District Local Technical Assistance
DMA: Division of Medical Assistance
DOT: Department of Transportation
DPH: Department of Public Health
DTA: Division of Transitional Assistance
EDA: Economic Development Administration
EIR: Environmental Impact Report
EIS: Environmental Impact Statement
EJ: Environmental Justice
ENF: Environmental Notification Form
EOEEA: Executive Office of Energy and Environmental Affairs
EOT: Executive Office of Transportation
EPA: Environmental Protection Agency
EPDO: Equivalent Property Damage Only
ESS: Elder Shopper Service
FAA: Federal Aviation Administration
FAST Act: Fixing America’s Surface Transportation Act
FCTPO: Franklin County Regional Transportation Planning Organization
FHWA: Federal Highway Administration
FO: Functionally Obsolete
FRCOG: Franklin Regional Council of Governments
FRA: Federal Railroad Administration
FTA: Federal Transit Administration
GIS: Geographic Information System
GPS: Global Positioning System
HAZMAT: Hazardous Material
HCM: Highway Capacity Manual
HOV: High Occupancy Vehicle
HPMS: Highway Performance Monitoring System
HPP: High Priority Project
HSIP: Highway Safety Improvement Program
I&M: Inspection & Maintenance
IM: Interstate Maintenance
ITE: Institute of Transportation Engineers
ITS: Intelligent Transportation Systems
ISTEA: Intermodal Surface Transportation Efficiency Act of 1991
JARC: Job Access Reverse Commute
LOS: Level of Service
LPA: Local Planning Assistance
LPMS: Local Pavement Management System
MAC: Massachusetts Aeronautics Commission
MARPA: Massachusetts Association of Regional Planning Agencies
MARTA: Massachusetts Association of Regional Transit Authorities
MassDOT: Massachusetts Department of Transportation
MassGIS: Massachusetts Geographic Information System
MBTA: Massachusetts Bay Transportation Authority
MEMA: Massachusetts Emergency Management Agency
MEPA: Massachusetts Environmental Policy Act
MHC: Massachusetts Historical Commission
MIS: Major Investment Study
MISER: Massachusetts Institute for Social and Environmental Research
MOU: Memorandum of Understanding
MPO: Metropolitan Planning Organization
MTA: Massachusetts Turnpike Authority
MUTCD: Manual on Uniform Traffic Control Devices
MWRA: Massachusetts Water Resources Authority
NAAQS: National Ambient Air Quality Standards
NEPA: National Environmental Policy Act
NFA: Non Federal-Aid
NHS: National Highway System
NOx: Any of the Oxides of Nitrogen
NTD: National Transit Database
NTS: National Transportation System
NTSB: National Transportation Safety Board
OCI: Overall Condition Index (used with pavement)
OEDP: Overall Economic Development Program
OTP: Office of Transportation Planning
PCI: Pavement Condition Index
PL: Metropolitan Planning funds
(federal)
PMS: Pavement Management System
PMUG: Pavement Management User’s Group
POP: Public Outreach Program
PPP: Public/Private Partnership
PRC: Project Review Committee
PRWORA: Personal Responsibility & Work Opportunity Reconciliation Act
PUD: Planned Unit Development
PWED: Public Works/Economic Development
RIF: Roadway Inventory Files
RFP: Request For Proposal
RFQ: Request For Qualifications
ROW: Right Of Way
RPA: Regional Planning Agency
RSA: Roadway Safety Audit
RTA: Regional Transit Authority
RTP: Regional Transportation Plan
SAFETEA-LU: Safe, Accountable, Flexible and Efficient Transportation Equity Act
SAR: Strategic Assessment Report
SD: Structurally Deficient
SIP: State Implementation Plan (for Air Quality)
SOV: Single Occupancy Vehicle
SPR: Statewide Planning & Research
STIP: State Transportation Improvement Program
STP: State Transportation Program
TAZ: Transportation Analysis Zone
TBD: Transportation Benefit District
TCM: Transportation Control Measures
TDM: Travel Demand Management
TEA-21: Transportation Equity Act for the 21st Century
TEC: Transportation Evaluation Criteria
Ti: Transportation Improvement (in SAFETEA-LU)
TIF: Transportation Information Forum
TIP: Transportation Improvement Program
TMA: Transportation Management Association
TMC: Turning Movement Count
TOFC: Trailer On Flat Car
TRB: Transportation Research Board
TSM: Transportation Systems Management
UPWP: Unified Planning Work Program
VMS: Variable Message Sign
VMT: Vehicle Miles of Travel
Public Review and Comment

This UPWP meets the FHWA requirement of funding at least one third of the Task 3.0 funds studies that yield tangible products.

A 21-day Public Review and comment period was held from May 1, 2020 through May 21, 2020. During that time comments were received from MassDOT. The comments are included on the next page and were incorporated into the final UPWP as appropriate.
### Franklin FFY 2021 UPWP Review Checklist

#### Compliances

<table>
<thead>
<tr>
<th>ID</th>
<th>Review Item</th>
<th>Comments</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>Table of Contents is accurate and internally-linked.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>A2</td>
<td>Document has no broken links.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>A3</td>
<td>Document has no text or image placeholders.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>A4</td>
<td>Charts, tables, and maps are legible and properly annotated.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>A5</td>
<td>Document passes an accessible check.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>A6</td>
<td>Document is available in relevant languages per the MPO's Title VI Plan.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>A7</td>
<td>List of MPO members is current.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>A8</td>
<td>Signatory sheet is included and accurate.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>A9</td>
<td>Acronyms and partner agency lists are up to date.</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

#### Narrative

<table>
<thead>
<tr>
<th>ID</th>
<th>Review Item</th>
<th>Comments</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1</td>
<td>UPWP is comprehensible to the general public.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>B2</td>
<td>UPWP refers directly to vision, goals, and objectives from RTP.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>B3</td>
<td>UPWP Amendment/Adjustment procedures are explicit.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>B4</td>
<td>Governing MOUs between MassDOT, MPO, RTAs, and neighboring MPOs have been reviewed for potential improvements or updates.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>B5</td>
<td>Planning efforts are coordinated with MassDOT modal plans.</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

#### UPWP Tasks

<table>
<thead>
<tr>
<th>ID</th>
<th>Review Item</th>
<th>Comments</th>
<th>Reference</th>
</tr>
</thead>
</table>
| C1 | Individual tasks include detailed scopes, budgets, and schedules. | General comment: Although length of tasks is estimated and deliverable dates are specified, schedules are not provided. Please consider for future updates.  
Task 1.3 (TIP): Please reference that the electronic STIP (eSTIP) will be used to coordinate the FFY 2022 - 2026 TIP development.  
Task 2.4 (Traffic Counting and Additional Data Collection): Within procedure 8, please clarify which data points will be collected and which will be analyzed (e.g. data on accessibility to jobs has already been collected and provided to regional planning agencies while other data points, such as affordable housing, likely need to be collected). Additionally, please specify any anticipated data products aside from those related to traffic counts if applicable.  
Task 3.2 (Planning to Develop a Bike Share Program): Please review MassDOT's 2019 Municipal Resource Guide for Bikeability chapter on bike share establishment and the FFY 2017 Pioneer Valley UPWP for information that may be useful at this stage of bike share development (e.g. work needed to identify potential corporate sponsorships and identify an organizational structure for bike share management). Additionally, please specify the methodology that is envisioned to be used to research potential users (e.g. surveys, interviews, focus groups, etc) and how projected interest in the program will be gauged. Additionally, please cite any findings from the Regional Transportation Plan (RTP) outreach that could support regional bike share development.  
Task 3.3 (Marketing of New Passenger Rail Service): Please provide examples of existing performance measures in this area and more detail on the updates to the schedule due to the referenced delays resulting from COVID-19. Specifically, please clarify whether a marketing plan has already been developed or if work under this task will involve a marketing plan as a new product.  
Task 3.4 (Regional Electric Vehicle Charging Station Program): Please briefly summarize the findings from the 2017 public electric vehicle charging station demand study. Additionally, under procedures, please ensure the review of requirements includes right-of-way considerations and coordination with MassDOT as this task develops to discuss whether all aspects of CMAQ eligibility (e.g. Buy America provisions, emissions reductions, etc.) are met.  
Task 3.5 (Planning for Implementation of the Franklin County Bikeway Trailblazing Signs): Please specify what the anticipated funding source is for this work, whether any right-of-way considerations need to be addressed, and whether target funding is intended to be used. |  |
<p>| C2 | Individual tasks outline community beneficiaries. | Yes |  |
| C3 | Transit-related tasks are specific. | Task 4.3 is centered on transit, but more specifics could reference any work that is done on behalf of or in coordination with FRTA related to service evaluation and optimization, compliance with ADA regulations, Title VI and environmental justice policies, and other applicable policies. |  |
| C4 | Includes a task on performance-based planning. | Yes |  |</p>
<table>
<thead>
<tr>
<th>ID</th>
<th>Review Item</th>
<th>Comments</th>
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</thead>
<tbody>
<tr>
<td>C5</td>
<td>Includes a task for an update to any congestion mitigation planning efforts.</td>
<td>Yes. Task 2.5 includes work related to congestion analyses, which seems like the appropriate level of analysis.</td>
</tr>
<tr>
<td>C6</td>
<td>UPWP includes a summary of available staff hours.</td>
<td>Yes</td>
</tr>
<tr>
<td>C7</td>
<td>Individual tasks anticipate needed staff-hours / consulting resources.</td>
<td>Yes</td>
</tr>
<tr>
<td>C8</td>
<td>Tasks from previous UPWPs have been analyzed for past utilization.</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ID</th>
<th>Review Item</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>UPWP includes a geographic equity distribution table showing 2015–2019 and current UPWP-funded studies by municipality and number of tasks.</td>
<td>Yes, but could be strengthened through showing which communities have had community-specific tasks performed on their behalf.</td>
</tr>
<tr>
<td>D2</td>
<td>UPWP includes a social equity distribution table of past and current UPWP-funded studies considering language access and EJ populations.</td>
<td>Yes</td>
</tr>
<tr>
<td>D3</td>
<td>Public involvement and comment are explicitly documented and in line with MPO's Public Participation Plan.</td>
<td>Yes</td>
</tr>
</tbody>
</table>

* indicates required by state or federal regulation.