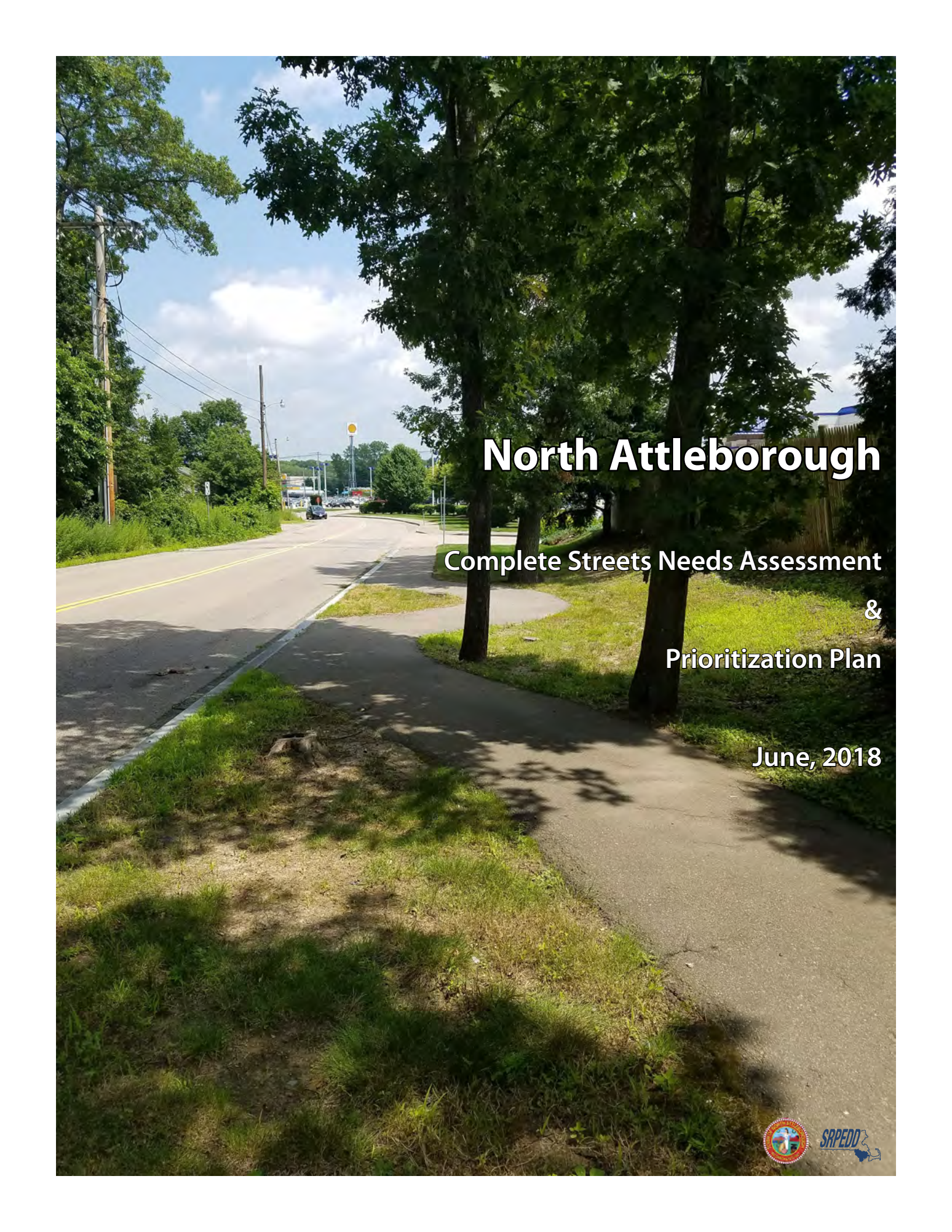




North Attleborough

Complete Streets Needs Assessment & Prioritization Plan

June, 2018



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Introduction

This Complete Streets Needs Assessment for the town of North Attleborough was completed using a technical assistance grant from the MassDOT Complete Streets Funding Program. It provided the town with the opportunity to have SRPEDD assess their bicycle, pedestrian, and transit facilities and to ultimately help them put together a list of projects that will improve those networks.

What are “Complete Streets”

Complete Streets are roadways or streets that safely and comfortably accommodate all users, regardless of age and ability or mode of transportation (see Figure 1). Users include, but are not limited to: motorists, bicyclists, pedestrians, public transportation riders and providers, emergency response vehicles, freight operators, and school buses. The needs of each of these users are unique and the way they use the transportation network is different; therefore, a number of design features need to be considered to accommodate all users.

Complete Streets components can include roadway design features such as ADA compliant sidewalks and crossings, curb extensions, bicycle lanes, shared use pavement markings, bus shelters and pull-outs, wayfinding signage, landscaping, street lighting, and many other items. Not all streets need to include every Complete Streets element, rather, each street should contain the appropriate level of “completeness” depending on its context and function.



Figure 1: Example of “Complete Streets” elements (Streetmix.net)

MassDOT Complete Streets Funding Program

The MassDOT Complete Streets Funding Program was launched in February 2016 to provide technical assistance and construction funding to communities that demonstrate a commitment to include Complete Streets in policy and in practice. In short, a community may be eligible for up to \$400,000 in construction funding to implement Complete Streets elements in municipal projects. The optional technical assistance funding component allowed SRPEDD to assist North Attleborough in evaluating the conditions of their bicycle, pedestrian, public transportation network; to identify problem areas; and, to develop a comprehensive improvement plan (a.k.a. "Prioritization Plan"). The MassDOT approved Prioritization Plan allows North Attleborough to then apply for the \$400,000 in construction funding.

North Attleborough's Complete Streets Policy

North Attleborough adopted its Complete Streets Policy in December 2016. The policy clearly states the purpose to be:

"The purpose of North Attleborough's Complete Streets Policy is to accommodate all road users by creating an integrated network that meets the needs of individuals using a variety of transportation modes. It is the intent of North Attleborough to formalize the planning, design, operation and maintenance of the streets so that they are safe for users of all ages and abilities as a matter of routine. This policy is to direct decision-makers to consistently plan, design and construct streets to accommodate all users including pedestrians, motorists, bicyclists, emergency and commercial vehicles." - North Attleborough Complete Streets Policy (December 2016)

Importantly, is also states:

"The Town of North Attleborough recognizes that all projects, whether new construction, reconstruction or maintenance projects are opportunities to apply Complete Streets principles. The Town shall, to the maximum extent practical, plan, design, construct, operate and maintain all streets to provide for a comprehensive and integrated street network of facilities for people of all ages, all abilities and using all modes of transportation." - North Attleborough Complete Streets Policy (December 2016)

The policy also makes it clear that Complete Streets may be achieved in one project or in a series of projects and that context sensitivity is a key component.

Goals & Objectives

The goals and objectives of this Complete Streets Needs Assessment directly supported the commitments in the town's Complete Streets Policy. The overall goal was to identify areas in town that are in need of complete streets improvements, to determine the type of improvements, and provide a strategy for implementation.

The key objectives of this Complete Streets Needs Assessment included the following:

1. Improve the safety for all users;
2. Provide connectivity for all users;
3. Increase the mobility for all users;
4. Prioritize elements in a cost effective nature;
5. Enhance the livability and sustainability of the community; and,
6. Employ context sensitivity.

Figure 2 and Figure 3 below show examples of areas in North Attleborough that are in need of improvements to ensure safe and comfortable bicycle and pedestrian access. Those areas are included in North Attleborough's Complete Streets Prioritization Plan in Appendix A of this report.



Figure 2: A worn foot path on Landry Avenue indicates the need for a sidewalk.



Figure 3: Older sidewalks on Chestnut Street with limited obstruction clearance widths.

In order to support the objectives, the following questions were considered throughout the process:

Safety

What is the vehicle crash history in the particular area?

Is there a history of crashes involving bicyclists or pedestrians?

Are there areas that have barriers to safe pedestrian crossings?

Are the roadway conditions appropriate for bicycle travel?

Are there other factors that deter non-motorized users?

Connectivity & Mobility

Do the different modes of travel connect in a safe and comfortable way?

Are there options for bicycle, pedestrian, and transit riders nearby?

Are there physical or operational barriers to connecting different modes?

Are there physical or operational challenges associated with the transit infrastructure or service?

Livability/Sustainability & Context Sensitivity

What are the adjacent land uses and are there trip generators nearby?

Is there evidence that the particular area has a history of bicycle and pedestrian activity?

Cost Effectiveness

What are the physical barriers to adding non-motorized accommodations to the roadway?

Are there land ownership issues that need to be addressed?

Are there public utilities (electric lines, water and wastewater lines, gas lines, etc.) affected?

These questions helped shape the Complete Streets Evaluation criteria which was used to score each project. Appendix B contains the Complete Streets Evaluation Criteria used for this project while Appendix C includes the results of the project scoring.

Methodology

Complete Streets Needs Assessment

The Complete Streets Needs Assessment was a comprehensive analysis of the town of North Attleborough's current level of multi-modal accommodations. It focused on the addressing the following Complete Streets needs:

Safety: Addressing high crash locations, reducing vehicular speeds, etc.

ADA accessibility: Providing wheelchair ramps, ensuring adequate clearance widths, etc.

Pedestrian safety or mobility: Adding new/improved crosswalks, sidewalks/paths, pedestrian signals, etc.

Bicycle safety or mobility: Adding new bike lanes, wider shoulders, signal accommodation, bicycle parking, etc.

Transit operations and access: Enhancing stop amenities, consolidating bus stops, etc.

Vehicular operations: Addressing irregular intersections, improving congested areas, etc.

Freight operations: Ensuring adequate lane widths, addressing inadequate signage, etc.

Guidance Documents

This Complete Streets Needs Assessment was completed using guidance from the following documents/manuals:

- MassDOT Project Development and Design Guide
- FHWA Manual on Uniform Traffic Control Devices (MUTCD)
- AASHTO: A Policy on the Geometric Design of Highways and Streets
- AASHTO: Guide for the Development of Bicycle Facilities
- United States Access Board Streets and Sidewalks Guidelines
- Massachusetts Architectural Access Board (AAB 521 CMR: 21.2.1)
- MassDOT Separated Bike Lane Planning & Design Guide
- National Complete Streets Coalition Resources
- National Association of City Transportation Officials Design Guides

The Process

SRPEDD completed this Complete Streets Needs Assessment in the following steps:

1 *Review of Town Plans/Documents*

SRPEDD conducted a thorough review of the town's municipal documents (e.g. Master Plan, Open Space & Recreation Plan, Subdivision Rules and Regulations) to identify areas of focus and to reveal town priorities.

2 *Existing Conditions Evaluation*

SRPEDD completed an extensive existing conditions evaluation of the pedestrian, bicycle, and transit networks throughout the spring and summer months of 2017. SRPEDD staff collected data about the roadway networks in North Attleborough that helped identify gaps and needs as well as future project locations and their required components. More information regarding the elements of this survey are provided in the following sections.

3 *Project Development/Cost Estimation*

SRPEDD provided the town with the results of the Existing Conditions Evaluation in a clear and understandable format (map series with supportive text) and worked with the town to develop a draft list of projects and associated preliminary project costs.

4 *Project Evaluation & Prioritization*

SRPEDD and the town corroboratively developed a comprehensive evaluation criterion (scoring system based on value of improvement) for final project prioritization. In addition, SRPEDD worked with the town to evaluate and prioritize the final list of specific projects for submittal to MassDOT.



1 Review of Town Plans/Documents

This assessment included the review of several of North Attleborough's relevant planning documents. Those included the town's Master Plan (2014), the South Coast Rail Corridor Plan Five-Year Update of Community Priority Areas Report (2013), the Open Space & Recreation Plan (2013), and the Rules and Regulations governing the Subdivision of Land (2012).

Master Plan (2014)

North Attleborough's Master Plan is a long-term policy document that helps the town manage growth, preserve its natural resources, maintain the public facilities and services, and protect the property rights of its citizens. Goals of the Transportation section include defining a long-term vision for intersection or corridor "hot spots" where issues have been identified, identifying sustainable transportation and infrastructure improvements that minimize the impact of development, improving connections of bicycle lanes and sidewalks among neighborhoods and other destinations as well as pursuing improvements to the downtown and Route 1.

South Coast Rail Corridor Plan Five-Year Update of Community Priority Areas Report (2013)

This report presented the result of a community-driven land use planning exercise that updated the 2008 Priority Development Areas (PDAs) and Priority Protection Areas (PPAs) in the town of North Attleborough. The town identified seven (7) Priority Development Areas and nine (9) Priority Protection Areas.

Open Space & Recreation Plan (2013)

North Attleborough's Open Space & Recreation Plan primarily focused on the protection of ground and surface water, preventing the loss of natural resources and habitats, preventing the loss of rural, cultural and historical assets, promoting coordinated land use planning, and expanding its recreational opportunities. It should be noted that Goal #4 from the plan was to "Develop a town-wide multi-use trail system including walking, hiking, biking, and possibly canoeing where feasible".

Rules and Regulations governing the Subdivision of Land (2007)

North Attleborough's Rules and Regulations governing the Subdivision of land regulate the laying out and construction of ways in subdivisions and, in proper cases, parks and open areas. Importantly, all subdivisions in North Attleborough are required to construct a minimum of five-foot sidewalks on both sides of the road with concrete ADA compliant curb ramps.

2 Existing Conditions Evaluation

To report on the conditions of the pedestrian, bicycle, and transit network in North Attleborough, a thorough survey was conducted. It began with a simple “verification” of the existing network presented in the MassDOT Road Inventory File confirming features such as sidewalk widths, material, and conditions; shoulder widths, material and conditions; the presence of street trees and roadside lighting; and crosswalk presence and conditions. The following sections describe the analysis completed as part of the Existing Conditions Evaluation.

Network Gap Analysis

SRPEDD analyzed the most recent and available bicycle, pedestrian, and transit facilities GIS data from the town and other relevant State entities to identify existing gaps in those networks. SRPEDD then performed field surveys to verify the GIS information and edited the file where needed. In addition, SRPEDD staff documented the characteristics (length, general pavement conditions, adjacent land characteristics, and land use) of the gaps in the network.

American with Disabilities Act (ADA) Survey

SRPEDD performed field surveys of ADA accommodations that included, but was not limited to: measuring existing sidewalk widths, identifying the number of sidewalk obstructions, surveying sidewalk surface conditions, and quantifying and surveying curb ramps (location, size, and physical components).

Bicycle, Pedestrian, and Transit Infrastructure Evaluation

SRPEDD performed a Bicycle, Pedestrian and Transit Infrastructure Evaluation in order to document the conditions of those facilities. The bicycle, pedestrian, and transit evaluation included, but was not limited to: documenting the condition and measuring the widths of roadway shoulders, identifying the presence and type of street lighting, identifying and evaluating the locations and conditions of transit facilities, and documenting signage.

Roadway & Intersection Crash Analysis

SRPEDD utilized MassDOT GIS crash data (2012-2014) to identify safety issues along all roadway corridors and at all unsignalized and signalized intersections in North Attleborough. This information was used to conduct a thorough three-year crash analysis that included a review of any reported bicycle and pedestrian crashes.

3 Project Development/Cost Estimation

Based on the results of the town plans and document review and the existing conditions evaluation, SRPEDD developed a draft list of projects that filled the gaps in the network, improved ADA compliance, addressed aging and/or deteriorated infrastructure, and improved safety.

Project Development/Cost Estimation

SRPEDD provided the town with the results of the Existing Conditions Evaluation in a map form and worked with the town to refine a draft list of projects. Following the confirmation of the draft project list, SRPEDD began work on the preliminary project costs for each project using the weighted bid prices found in MassDOT's Construction Project Estimator. The project cost estimation worksheets are included in Appendix E of this report.

4 Project Evaluation & Prioritization

Evaluation Criteria

SRPEDD developed a set of criteria to score projects in order to provide a prioritized list. The basic themes included: Livability/Sustainability, Connectivity, Safety, Trip Generators, Traffic Volume, Project Readiness, and Aligning with the Working Group. Each project received a numeric value (0-3) for each theme representing how the improvement addressed each issue. The Evaluation Criteria table is located in Appendix B of this report.

Prioritized List of Projects (Prioritization Plan)

SRPEDD and the town considered the results of the evaluation criteria and weighed them against the objectives of the needs assessment to develop the final list of projects. The town then submitted the Prioritization Plan to MassDOT for approval.

Existing Conditions

General

The town of North Attleborough, located in northwest Bristol County is composed of a combination of rural, suburban, and urban type residential properties and commercial and industrial entities in the downtown as well as along Route 1 and the interchanges along Interstate 95 and 295. It is located approximately 32 miles southwest of Boston and approximately 12 miles north of Providence, RI. Neighboring towns include Plainville to the north, Mansfield to the east, Attleboro to the south, and Cumberland, Rhode Island to the west. The major roadways in North Attleborough include Interstate 95, Interstate 295, Route 1, Route 152, and Route 120. North Attleborough also has regular fixed-route bus service as well as para-transit service via the Greater Attleboro Taunton Regional Transit Authority (GATRA). Areas in town that receive transit service generally include the Elm Street corridor, the Downtown Area (North & South Washington Street), and the Route 1 corridor. More detail about the the fixed-route bus service in North Attleborough is located in the Transit Network section on page 19 of this report.

Population

North Attleborough is a suburban community with a population of 28,712 (2010 Census). Between 2000 and 2010, the U. S. Census indicates that North Attleborough's total population increased by nearly 5.8%, with the largest population growth occurring in the 55 to 64-year-old age group (57.6%). Like many other SRPEDD region communities, North Attleborough's population is growing older, which demonstrates the importance of Complete Streets treatments in encouraging healthy and active lifestyles. It should also be noted that there are a large amount of families with children (approximately 37% of the households) living in North Attleborough that also need Complete Streets to walk to school and nearby recreational sites.

Land Use

North Attleborough is a long-established town, dating back more than three centuries, however more than half of North Attleborough's land remains undeveloped according to the town's 2014 Master Plan. The majority of the town's undeveloped land is located in the western portion of town along the Plainville and Cumberland, Rhode Island border and consists of large tracks of croplands, forests, and wetlands. The densest development is located in the town center, generally along the North & South Washington corridor. North Attleborough's town center is a true town center that hosts a variety of land uses, including residential, commercial

and industrial uses, as well as a host of municipal uses, such as the Town Hall, the Police Station, a Post Office, Schools, and recreation areas. Residential land uses are scattered throughout the town, with the densest residential development occurring in and around the town center and more traditional suburban residential subdivisions located off of major roadways in town. Commercial uses are generally found along Route 1, South and North Washington Streets, and the Elm Street/Commonwealth Avenue corridor. Industrial development is concentrated in the North Attleborough Industrial Park in the eastern portion of town on John L. Dietsch Boulevard.

Areas of Activity

During the existing conditions evaluation, SRPEDD identified a number of general areas that had land uses generating auto, bicycle, and pedestrian trips and that had infrastructure in place to support those trips. Those “*Areas of Activity*” are included below:

- **Falls School Area** (Jackson Street, Towne Street & Stanley Street)
- **AmVet Boulevard School & Roosevelt Avenue School Area** (Arnold Road, Crescent Avenue, Westside Avenue, AmVets Boulevard, Roosevelt Avenue & Johnson Street)
- **Joseph W. Martin, Jr. Elementary School & North Attleborough High School Area** (Landry Avenue, Orne Street)
- **Senior Center/Housing Authority Area** (Hope Street, Grant Street & Forest Street)
- **Downtown Area (West)** (Circular Street, Broad Street, Broadway, School Street, Barrows Street, Ralph Street & Brandon Street)
- **North Attleborough Heights Area** (Spruce Street, Reed Avenue & Hawthorne Street)

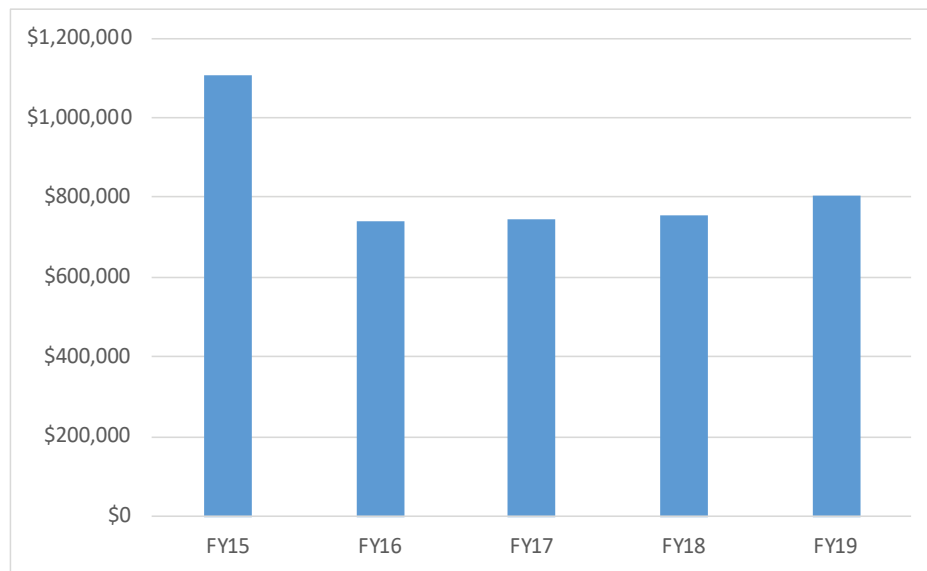
In addition, SRPEDD identified the following “*Areas of Opportunity*”, which generally were areas that needed specific improvements:

- **Bicycle Improvements** (Toner Boulevard/Commonwealth Avenue/Chestnut Street/ Elm Street corridor, Landry Avenue, Route 152, Route 120, Orne Street & High Street)
- **Sidewalk Gaps** (Elmwood Street, Route 152, Mount Hope Street, South Washington Street & Union Street)
- **Curb Ramp Installations** (Several Intersections)
- **Poor Infrastructure** (Chestnut Street, Commonwealth Avenue & Jay Street)
- **No Infrastructure Present** (Smith Street, John L. Dietsch Boulevard, Plain Street, Anawan Road, Metcalf Road, Bungay Road, Lindsey Street & Mansfield Road)

Chapter 90 Funding

North Attleborough receives approximately \$750,000 per year in state aid (also known as Chapter 90 funds) to help maintain the locally owned and maintained roadways in town. The amount of funding that is received through the program combined with the increasing costs of projects generally provides for a limited number of projects each year. Simply said, there are more needs than there are funds to address them. Figure 4 shows North Attleborough's allotment of Chapter 90 funds from the past 5 years (FY15 to FY19).

Figure 4: Town of North Attleborough Chapter 90 Fund Allocation (FY15 to FY19)



** FY15 Total Statewide Chapter 90 funding was \$300,000,000. Typical allocation is \$200,000,000.*

Considering the limited amount of Chapter 90 funds received each year, North Attleborough is fortunate to be participating in the Complete Streets Funding Program in order to address much needed multi-modal improvement projects.

Road Network

In general, North Attleborough's roadway network in the lower density areas includes a pavement surface that include a double yellow centerline with no painted edgeline (formal shoulder demarcation) that meets a grassy or vegetated shoulder and does not include a formal drainage system or a sidewalk. Meanwhile, the more moderate to higher density areas, includes those same pavement characteristics but generally includes a formal drainage system and a sidewalk. Lane widths are generally 10-12 feet wide and the immediate land adjacent to the pavement surface in the lower density areas includes large shade trees, dense vegetation, stone walls, and utility poles while the higher density areas typically have existing sidewalks at the edge of pavement.

Jurisdiction

According to the 2017 MassDOT Road Inventory File, North Attleborough has a total 145.24 centerline miles of roadway. Approximately 120.46 centerline miles (83%) of the total are roadways under town jurisdiction while 12.91 miles are under MassDOT jurisdiction (Route 1, Interstate 95 and Interstate 295) and 11.76 miles are unaccepted roadways (see Figure 5 on the next page). It should be noted that SRPEDD only performed the existing conditions evaluation on town-owned roads.

Functional Classification

The Federal Highway Administration (FHWA) defines functional classification as "the process by which streets and highways are grouped into classes, or systems, according to the character of service they are intended to provide: 'The basic idea is to develop a network of roadways (arterials, collectors, and local roadways) that enable travel in the most logical manner possible. According to the 2017 MassDOT Road Inventory File, North Attleborough contains a total of 6.52 centerline miles of interstate, 18.34 centerline miles of arterials, 18.99 centerline miles of collectors, and a total of 101.39 centerline miles of local roadways (see Figure 6 on page 15). This is important because only the interstates, arterials and collectors are eligible for federal aid; therefore, North Attleborough must use their Chapter 90 funds to maintain approximately 70% of the roads in town.

Posted Speed Limits

The posted speed limits generally vary depending on the roadway. In general, the speed zones range from a low of 20 mph (on streets near schools as well as in dense residential neighborhoods, including Amvets Boulevard and Broad Street) to a high of 40 mph on Route 152. The Manual on Uniform Traffic Control Devices (MUTCD) states that shared lane markings or “sharrows” should not be applied to roadways with posted speed limits over 35 mph. This limitation is typically important in many communities; however, the majority of the roadways that could not physically accommodate bicycle lanes in North Attleborough are posted at or below 35 mph, and therefore, shared use markings and MUTCD approved signage can be applied. Those roadways (Landry Avenue, Route 120, Route 152, and the Elm Street corridor) that have posted speeds limits above 35 mph had the existing space to restripe for bicycle lanes on both sides of the road.

Roadway & Intersection Safety

North Attleborough did not have any intersections or areas that appeared on MassDOT’s Highway Safety Improvement Program (HSIP) Bicycle or Pedestrian 2006-2015 crash clusters or on MassDOT’s Top 200 Intersections Cluster (2013-2015). There was only one location (Elm Street & Chestnut Street) listed on MassDOT’s Highway Safety Improvement Program (HSIP) Vehicle 2013-2015 crash clusters that did not occur on a state jurisdiction road. The crash analysis performed by SRPEDD using the last three years of available crash data (2012-2014) did highlight a few intersections that experienced elevated numbers of crashes; however, the majority of the crashes resulted in property damage only. In the three year period, there were a total of one crash that involved a bicyclist and a total of six crashes that involved a pedestrian. Those incidents generally occurred at the higher traffic areas (North & South Washington Streets, Toner Boulevard, and Commonwealth Avenue). Nevertheless, improvements to those locations were included in the project list, generally combined as bicycle and pedestrian improvements.

Other locations that had elevated numbers of crashes included the following:

- 1.) Elm Street & Mt. Hope Street
- 2.) Route 152 & Landry Avenue
- 3.) Elm Street & Chestnut Street

Figure 5: Town of North Attleborough Roadway Network by Jurisdiction

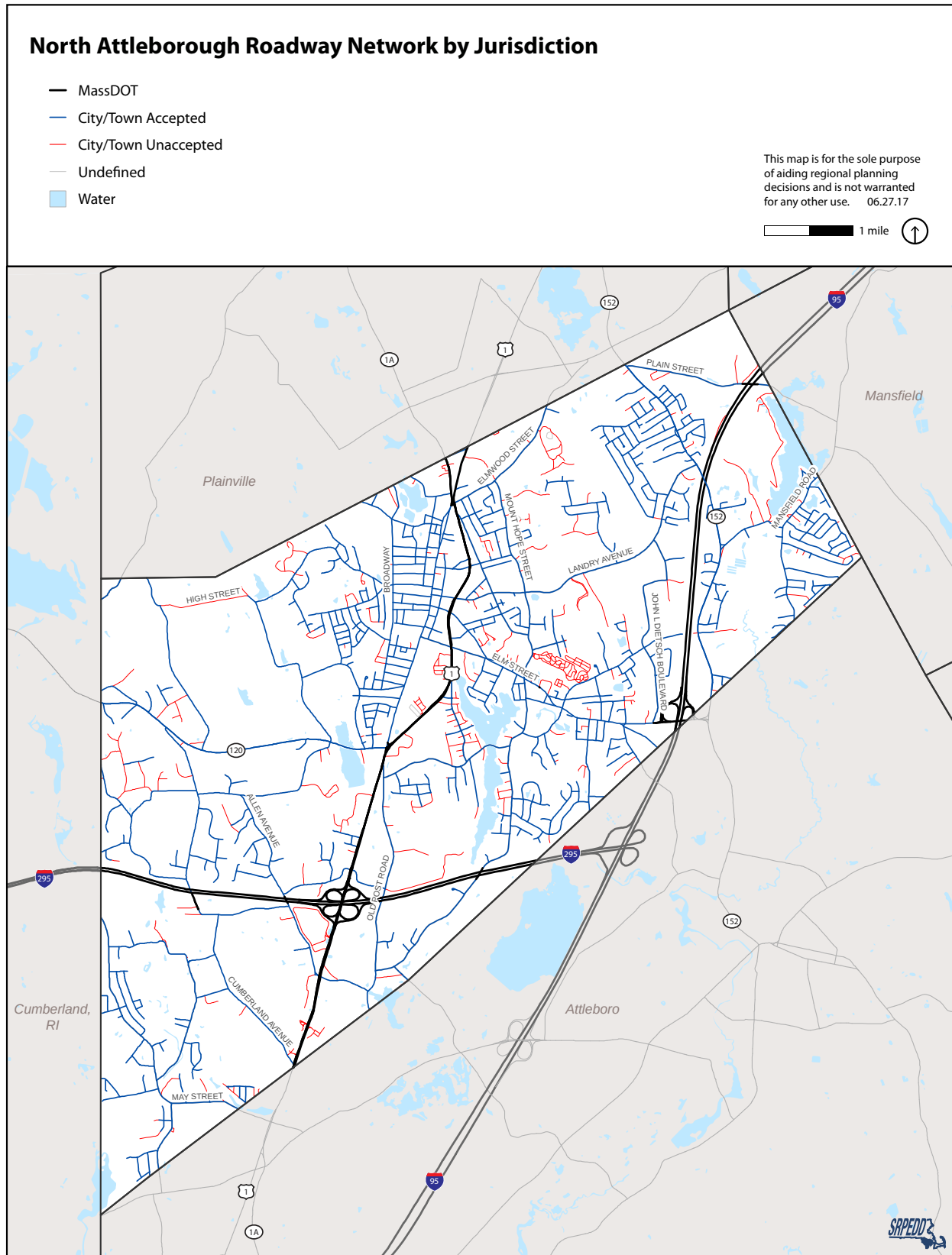
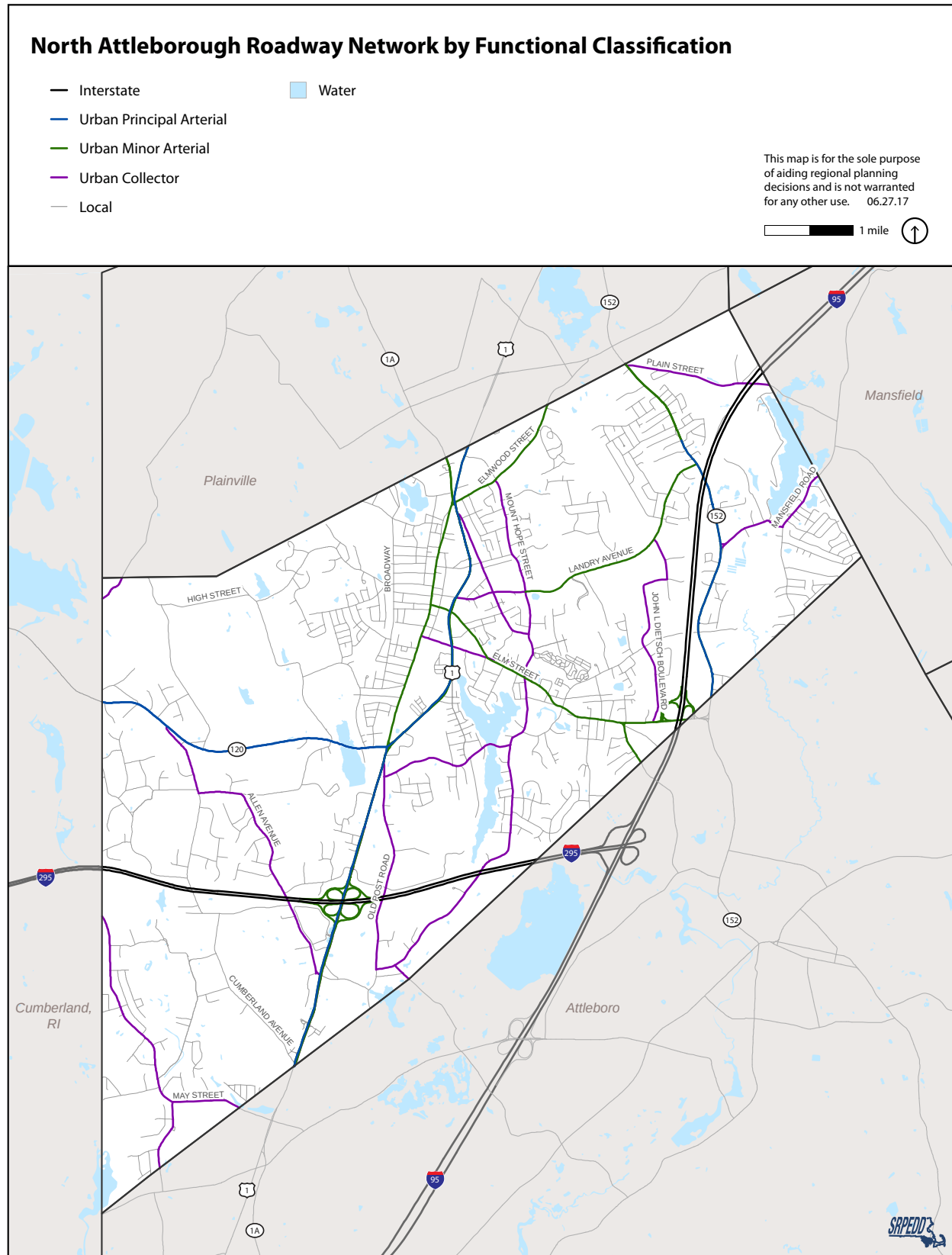


Figure 6: Town of North Attleborough Roadway Network by Functional Classification



Pedestrian Network

The pedestrian network analysis consisted of verifying the existence of sidewalks, confirming their locations and extents, and analyzing their condition and compliance with the Americans with Disabilities Act (ADA) of 1990. The following sections highlight the results of SRPEDD's pedestrian network analysis.

Sidewalks

North Attleborough's current sidewalk network is generally concentrated in seven of the more densely settled areas of the town. Those areas include:

- Falls School Area (Jackson Street, Towne Street & Stanley Street)
- AmVet Boulevard School & Roosevelt Avenue School Area (Arnold Road, Crescent Avenue, Westside Avenue, AmVets Boulevard, Roosevelt Avenue & Johnson Street)
- Joseph W. Martin, Jr. Elementary School Area (Landry Avenue)
- Senior Center/Housing Authority Area (Hope Street, Grant Street & Forest Street)
- Downtown Area (Circular Street, Broad Street, Broadway, School Street, Barrows Street, Ralph Street & Brandon Street)
- North Attleborough Heights Area (Spruce Street, Reed Avenue & Hawthorne Street)
- Allen Avenue Elementary School Area (Allen Avenue & Draper Avenue)

The condition of the sidewalks in North Attleborough vary greatly, some are newer and in good condition with proper ADA accessibility, whereas others are older and in fair to poor condition and do not provide proper ADA accessibility (inadequate clearance width, lack of proper curb ramps, trip hazards, and excessive slopes). SRPEDD identified many gaps in the existing sidewalk network along with many roadways with pedestrian trip generators that currently do not have sidewalks. Figure 8 shows an example of older sidewalks with obstructions in the pedestrian path that does not provide the necessary clearance width, deteriorated surfaces, and excessive cross slopes.



Figure 8: Older sidewalks on Chestnut Street with limited obstruction clearance widths.

Crossings

During the existing conditions evaluation, SRPEDD noted that the town had a variety of crossing treatments (solid, standard, and zebra) and at times there were two types used at one location (see Figure 9 below). In general, the school areas appeared to have the “standard” type while the downtown area had the “solid” type.



Figure 9: Crosswalk on Elm Street that has two types of treatments.

It should be noted that at the time of the field surveys, the majority of the existing crossing pavement markings were in good to fair condition; however, re-striping them in their current configuration is not recommended. Rather, it is recommended that town choose one type of crossing, either the high visibility “continental”, “zebra” or “ladder” type (as shown in Figure 10 below) and begin to apply that type throughout town.

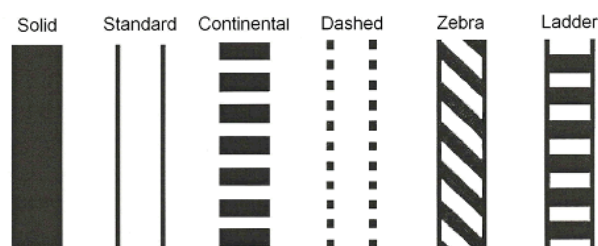


Figure 10: Crosswalk types

Numerous studies been conducted to determine the best type of crossing treatment; however, at this point, the Manual on Uniform Traffic Control Devices (MUTCD) has yet to determine the preferred treatment. Nevertheless, those studies have shown that drivers were more likely to see the “continental”, “zebra”, and “ladder”; therefore, employing one of them for the entire town is highly recommended.

Bicycle Network

A bicycle network is an assemblage of facilities that enhance the safety and comfort of bicyclists. Facilities can generally be separated into three (3) groups: 1.) separate use paths and separated bicycle lanes (off-road facilities), 2.) on-road bicycle lanes, 3.) designated/signed routes and sharrows. For this assessment SRPEDD identified and analyzed North Attleborough's bicycle network and summarized them into either the "on-road" or "off-road" type facilities.

On-Road Bicycle Conditions

North Attleborough lacks a formal "on-road" bicycle network. There are no marked bike lanes or shared use pavement markings ("sharrows") in town. Currently, bicyclists must use either the formal painted shoulder (if present) or the edge of the travel lane and "share the road" with motorized vehicles; however, there currently isn't signage that indicates this situation. Nevertheless, there are a number of roads in North Attleborough where the creation of bike lanes is feasible (Route 152, Route 120, Landry Avenue, Elm Street, and others) due to the available pavement width. In addition, opportunity exists to add sharrows and appropriate signage on roadways that currently do not have the adequate pavement width for a bicycle lane (Broadway, Arnold Road, Jackson Street, and others) due to their lower posted speed limits.

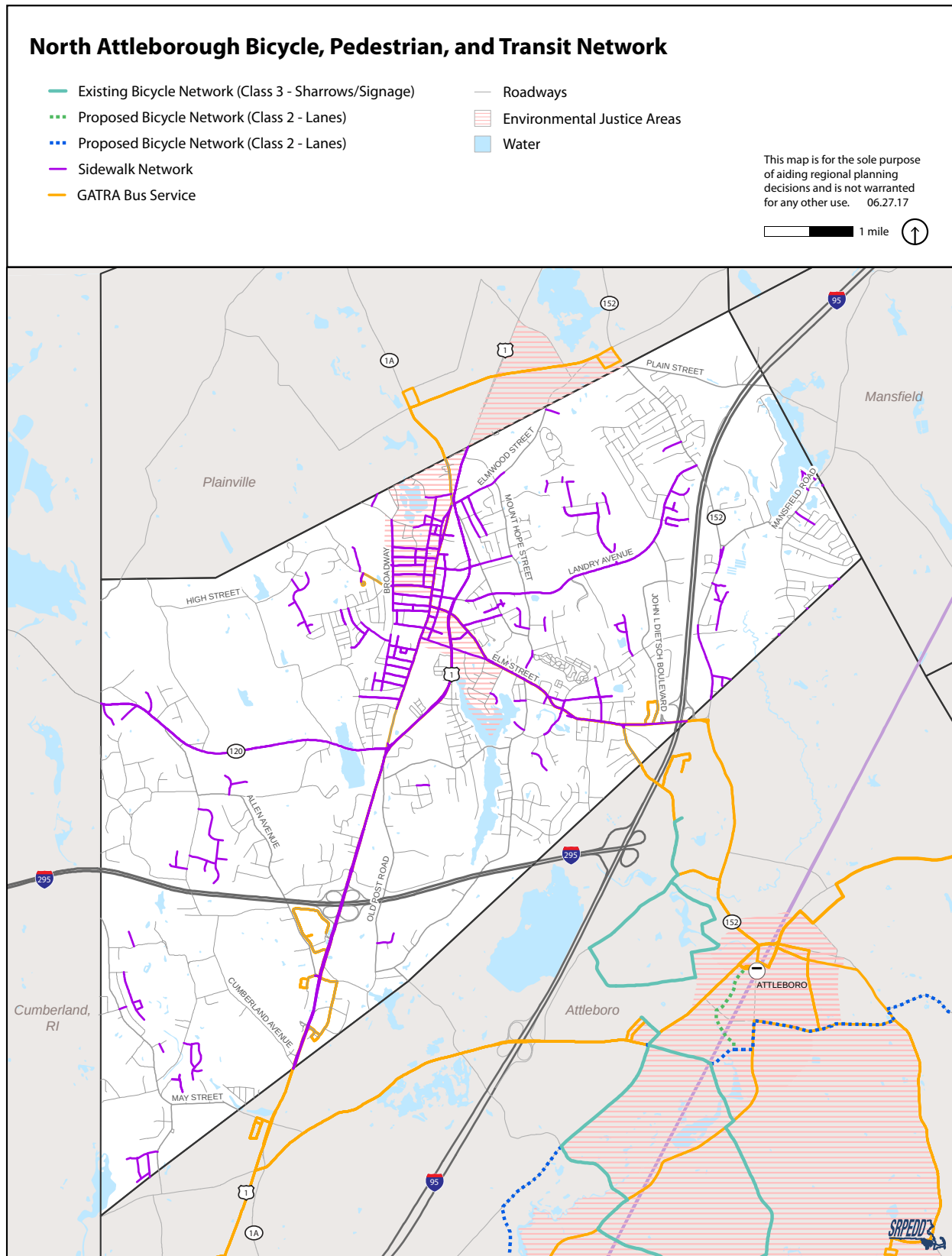
Off-Road Bicycle Conditions

There currently are no off-road bicycle facilities in North Attleborough; however, there is an opportunity to develop an old railroad bed into a rail trail in the future.

Transit Network

North Attleborough has an expansive transit network via service provided by the Greater Attleboro/ Taunton Regional Transit Authority (GATRA) via Routes 10, 11, 12 and 14. Route 10 travels from the Attleboro Transit Center into North Attleborough along Elm Street and into North Attleborough Center, then down Route 1 to the Emerald Square Mall. Both Route 11 and Route 12 travel along Route 1 in Attleboro into North Attleborough to Target, Walmart and the Emerald Square Mall. Route 14 travels is almost identical to Route 10; however, it travels north on 1A into Plainville. GATRA primarily operates on a "flag stop" system, where riders simply "flag down" the bus to board (where it is safe). This type of system makes it challenging to improve connections to transit; however, those areas adjacent to the existing network are included in the project list to ensure that folks utilizing the transit service can access it as it passes by. The entire Bicycle, Pedestrian, and Transit Network in North Attleborough is shown on Figure 11 on the next page.

Figure 11: Town of North Attleborough Bicycle, Pedestrian & Transit Network



Network Gaps/Needs

Pedestrian Network

North Attleborough has an extensive sidewalk network, but some locations are old and in need of repair; the network contains several gaps that need filling; and, there are some areas that have issues with ADA accessibility. In addition, there are several roadways that are located in close proximity to pedestrian trip generators (small stores, schools, parks, etc.) that currently do not have sidewalks or bicycle facilities. As such, typical pedestrian projects include installing new or upgrading existing sidewalks, adding ADA/AAB compliant curb ramps, moving sidewalk obstructions, as well as (in some cases) making geometric changes to intersections to improve sight distances for vehicles, crossing distances for pedestrians, and facilities for bicyclists. For example, Project #1- Jackson Street Bicycle & Pedestrian Improvements Project includes replacing the existing deteriorated sidewalks with new 5-foot wide asphalt sidewalks with granite curbing on both sides of the road, adding ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at the intersection with Towne Street, and adding sharrows with MUTCD approved bicycle signage.

Bicycle Network

As previously referenced, North Attleborough currently does not have a designated bicycle network and some of the roadways do not have the physical characteristics to provide formal bicycle lanes or even wider shoulders. In addition, the posted speed limits on several of North Attleborough's roads integral to a bicycle network (i.e.- Route 120, Route 152 and Landry Avenue) are too high for the installation of "sharrows". In these instances, project recommendations include adding bicycle lanes with MUTCD approved bicycle lane signage. The other areas in town that can't support bicycle lanes will have "sharrows" and MUTCD approved signage.

Transit Network

The current transit network has moderate to high ridership with four GATRA routes in town. The routes travel along the town's major roadways with stops at major shopping areas (Triboro Plaza, the Downtown, Stop & Shop, Walmart, Target and the Emerald Square Mall) as well as at many of the North Attleborough Housing Authority properties. There appears to be a need to add a loop along Broadway to serve the dense neighborhoods just west of the downtown; however, the town would need to engage GATRA in discussions about the potential of this route modification.

Recommendations

The following are general recommendations to provide more complete streets elements in the town of North Attleborough. These are meant to be completed over time and are separate from the MassDOT Complete Streets Funding Program.

Advocacy

The approximately 3.3 mile stretch of Route 1 in North Attleborough is under MassDOT jurisdiction and, therefore, outside the jurisdiction of the town. Nevertheless, the town has a vested interest in the roadway and how it contributes to the connectivity of their network. Therefore, it is recommended that North Attleborough continue to advocate for the improvement of the multimodal accommodations along Route 1 and its intersections to ensure safety for all users.

Bicycle Facilities

North Attleborough should explore every opportunity to install bicycle lanes or wider shoulders where high levels of bicyclists are present. The term “bicycle lane” refers to a portion of a roadway that has been designated for the preferential or exclusive use of bicyclists by striping, signing, and pavement markings. Bike lanes typically range from four feet to six feet in width. In the absence of a formal bike lane, North Attleborough should make every effort to properly mark shoulders with striping and to widen them where possible. In 2016, SRPEDD completed a Regional Bicycle Plan that identified the existing bicycle infrastructure for its 27-member communities that make up Southeastern Massachusetts, and included a proposed plan for improving and expanding that infrastructure to create a safe, efficient, and connected bicycle network. North Attleborough should continue to work closely with SRPEDD to identify future opportunities to link in-town routes to the larger regional bicycle network where possible.

Sidewalks

Sidewalk availability, condition, and surface width are important factors of the transportation network in every municipality. Increased opportunities to choose a more active lifestyle have shown to result in improved health, economic viability, neighborhood sustainability, and air quality. North Attleborough has an extensive sidewalk network, but several areas are in need of improvement and expansion. Sidewalks should be vertically and horizontally separated from

the roadway and should be a minimum of five feet in width. It is preferable to have a minimum two-foot vegetated buffer strip between the curb and the sidewalk; however, including these elements is a challenge when the municipality does not own the right-of-way. Once constructed or replaced, it is very important that sidewalks are regularly inspected, kept clear of debris and vegetation, and maintained to ensure ADA compliance. North Attleborough is encouraged to the maximum extent feasible under current funding constraints to regularly maintain the existing network to ensure its longevity.

Projects

As noted in the Methodology section, SRPEDD, in conjunction with town of North Attleborough, evaluated each project to determine the overall benefit to the community. In summary, each project received a score based on the seven themes (highlighted in the Methodology section) and the result was a prioritized list of projects for the town of North Attleborough.

Prioritization Plan & Implementation

The following are the top 15 projects listed in the Prioritization Plan that was submitted to MassDOT for approval (the entire Prioritization Plan can be found in Appendix A):

Project List

1. Jackson Street Bicycle & Pedestrian Improvements

Replace existing sidewalks with new 5 foot wide asphalt sidewalks with granite curbing on both sides of the road (Fales Avenue to Stanley Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add ADA/AAB compliant curb ramps with tactile warning panels and a high visibility crosswalk with a set of Rapid Rectangular Flashing Beacons (RRFB) at the existing Falls Elementary School crossing. Add sharrows and bicycle signage (R4-11).

2. Toner Boulevard, Commonwealth Avenue, Chestnut & Elm Street Bicycle Improvements

Restripe the roadway to provide two 5 foot wide designated bicycle lanes. Add MUTCD approved bicycle lane pavement markings and bicycle lane signage (R3-17).

3. North & South Washington Street Bicycle & Pedestrian Improvements

Resurface the existing concrete sidewalks and install new granite curbing (where necessary) on both sides of the road (Chestnut Street to Park Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).

4. J.W. Martin Elementary School Improvements

Replace the existing sidewalks with new 5 foot wide concrete sidewalks with granite curbing on both sides of the road (western Elementary School driveway to Route 152). Add ADA/AAB compliant curb ramps with tactile warning panels and a high visibility crosswalk with a set of Rapid Rectangular Flashing Beacons (RRFB) at the existing midblock crossing. Install a radar speed feedback sign in advance of the western driveway.

5. Landry Avenue Bicycle & Pedestrian Improvements

Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (Smith Street to North Attleborough High School). Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (North Attleborough High School to Laurelwood Drive). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets along the entire corridor. Restripe the roadway to provide two 5 foot wide designated bicycle lanes and add MUTCD approved bicycle lane pavement markings and bicycle lane signage (R3-17) (Orne Street to East Ridge Road). Add sharrows and bicycle signage (R4-11) (East Ridge Road to Route 152).

6. Orne Street Bicycle & Pedestrian Improvements

Replace the existing sidewalk surface with new asphalt on both sides of road (East Street to Landry Avenue). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Restripe roadway to provide two 5 foot wide designated bicycle lanes with MUTCD approved bicycle lane pavement markings and bicycle lane signage (R3-17) (Route 1 to Landry Avenue). Add sharrows and bicycle signage (R4-11) North Washington Street to Route 1). Add sharrows and bicycle signage (R4-11) on East Street (Orne Street to Mason Avenue) and on Mason Avenue (East Street to North Washington Street).

7. Arnold Road Bicycle & Pedestrian Improvements

Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Westside Avenue to High Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).

8. Crescent Avenue Bicycle & Pedestrian Improvements

Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Westside Avenue to Meadow Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).

9. Westside Avenue Bicycle & Pedestrian Improvements

Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Metcalf Road to Arnold Road). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).

10. AmVet Boulevard Bicycle & Pedestrian Improvements

Install a new 5 foot wide asphalt sidewalk with granite curbing on both sides of the road (Crescent Avenue to Bonneau Lane). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks on approaches of the AmVet Boulevard & Johnson Street, the AmVet Boulevard & Bonneau Street intersection and at both driveways of the school property. Add sharrows and bicycle signage (R4-11).

11. Roosevelt Avenue & Johnson Street Bicycle Improvements

Add sharrows and bicycle signage (R4-11).

12. Broadway Bicycle & Pedestrian Improvements

Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets (Metcalf Road to West Street). Add sharrows and bicycle signage (R4-11). Install a set of Rapid Rectangular Flashing Beacons (RRFB) and high visibility crosswalks at the Roosevelt Avenue intersection and a set of radar speed feedback signs in advance of the Roosevelt Avenue intersection.

13. Route 152 Bicycle Improvements

Restripe the roadway to provide two 5 foot wide designated bicycle lanes (Attleboro city line to Plainville town line). Add MUTCD approved bicycle lane pavement markings and bicycle lane signage (R3-17).

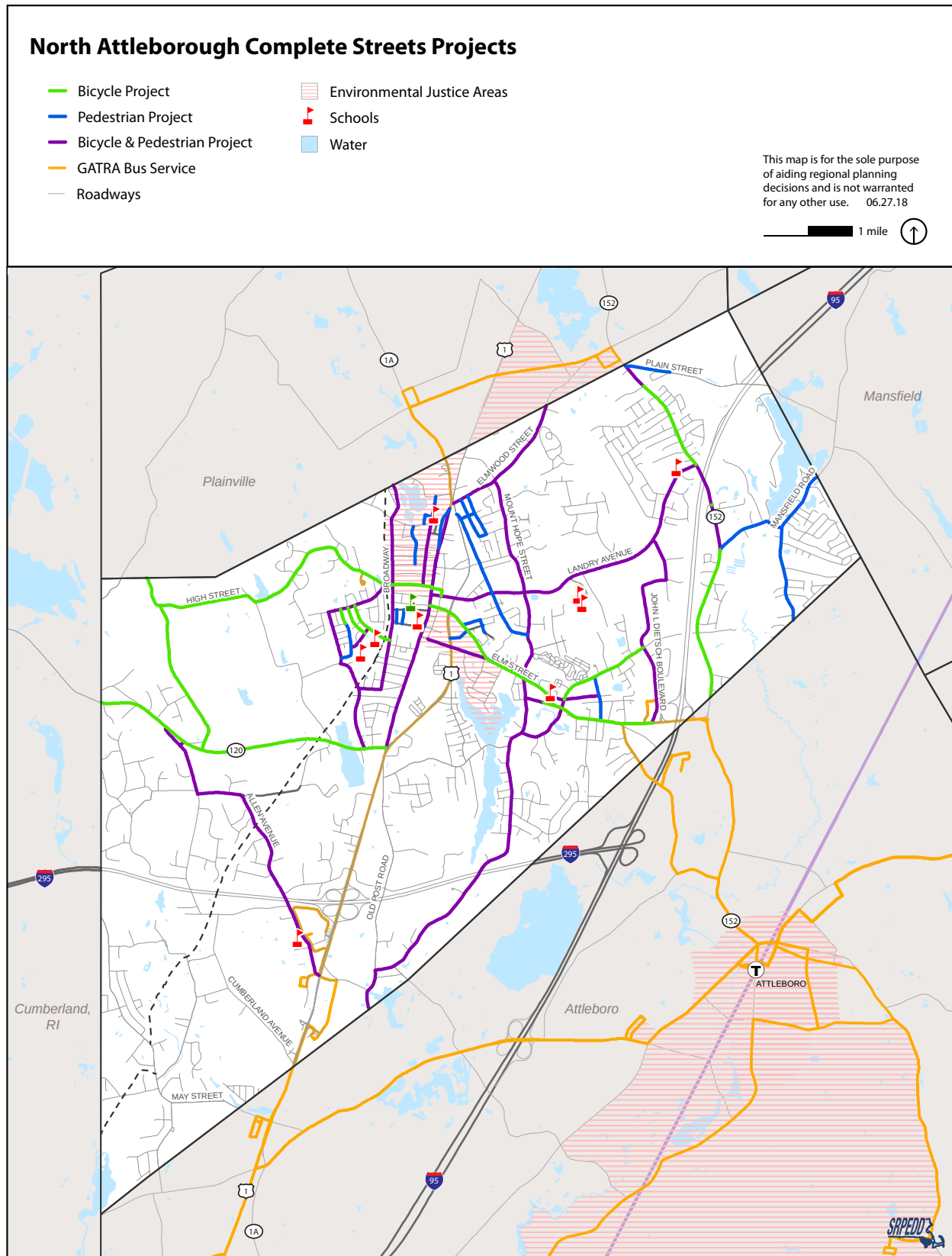
14. Route 152 Pedestrian Improvements (Phase II)

Install new 5 foot wide asphalt sidewalks with granite curbing on both sides of the road (George Leven Drive to Plainville Town Line). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.

15. Towne Street Bicycle & Pedestrian Improvements

Replace existing sidewalks with new 5 foot wide asphalt sidewalks with granite curbing on the both sides of the road (Mount Hope Street to Jackson Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).

Figure 12: Town of North Attleborough Complete Streets Projects



Appendix A

North Attleborough Complete Streets Prioritization Plan



Complete Streets Funding Program Project Prioritization Plan

Municipality

North Attleborough

MassDOT District

5

Date

6/25/2018

Name/Title

Mark Hollowell, DPW Director

Project Details			EJ	Complete Streets Location			Project Origin and Type		Complete Streets Needs								Complete Streets Funding Request			Construction Schedule	
Rank	Project Name	Project Description	Environmental Justice Population	Project Limits	Project Start Location: X,Y Coordinates (MA State Plane meter)	Project End Location: X,Y Coordinates (MA State Plane meter)	Complete Streets Project Origin (planning documentation or supporting analysis)	Complete Streets Project Type (refer to the Eligible Projects Worksheet)	Safety	ADA Accessibility	Pedestrian Mobility	Bicycle Mobility	Transit Operations and Access	Vehicular Operations	Freight Operations	Will this project be in Coordination with other Communities? (list, if applicable)	Total Estimated Project Cost	Complete Streets Funding Requested	Other Funding Source(s) and Amount (if applicable)	Anticipated Construction Duration (number of months)	Desired Construction Start Date (month/year)
1	Jackson Street Bicycle & Pedestrian Improvements	Replace existing sidewalks with new 5 foot wide asphalt sidewalks with granite curbing on both sides of the road (Fales Avenue to Stanley Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add ADA/AAB compliant curb ramps with tactile warning panels and a high visibility crosswalk with a set of Rapid Rectangular Flashing Beacons (RRFB) at the existing Falls Elementary School crossing. Add sharrows and bicycle signage (R4-11).	No	Elm Street to Stanley Street	215413, 857958	215953, 857980	CS Needs Assessment	B8, BO, P2, P3, P5, P9, P12	X	X	X	X	X			No	\$426,033	\$400,000	CH 90 \$26,033	12	05/01/19
2	Toner Boulevard, Commonwealth Avenue, Chestnut Street, Elm Street Bicycle Improvements	Restripe the roadway to provide two 5 foot wide designated bicycle lanes. Add MUTCD approved bicycle lane pavement markings and bicycle lane signage (R3-17).	Yes	North Washington Street to John L. Dietsch Boulevard	213870, 859089	216610, 857650	CS Needs Assessment	B2, BO	X		X	X	X			No	\$93,265	\$93,265		4	05/01/19
3	North & South Washington Street Bicycle & Pedestrian Improvements	Resurface the existing concrete sidewalks and install new granite curbing (where necessary) on both sides of the road (Chestnut Street to Park Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).	Yes	Route 120 to Park Street	213338, 857348	214137, 860340	CS Needs Assessment	B8, BO, P2, P3, P5, P9, P12		X	X	X	X			No	\$1,137,310	\$400,000	TBD \$737,310	4	05/01/19
4	J.W. Martin Elementary School Improvements	Replace the existing sidewalks with new 5 foot wide concrete sidewalks with granite curbing on both sides of the road (western Elementary School driveway to Route 152). Add ADA/AAB compliant curb ramps with tactile warning panels and a high visibility crosswalk with a set of Rapid Rectangular Flashing Beacons (RRFB) at the existing midblock crossing. Install a radar speed feedback sign in advance of the western driveway.	No	#88 Landry Avenue to Route 152	216890, 860651	217140, 860819	CS Needs Assessment	S5, P1, P2, P3, P9, P12	X	X	X	X				No	\$347,879	\$347,879		8	05/01/19



Complete Streets Funding Program Project Prioritization Plan

Municipality

North Attleborough

MassDOT District

5

Date

6/25/2018

Name/Title

Mark Hollowell, DPW Director

Project Details			EJ	Complete Streets Location			Project Origin and Type		Complete Streets Needs								Complete Streets Funding Request			Construction Schedule	
Rank	Project Name	Project Description	Environmental Justice Population	Project Limits	Project Start Location: X,Y Coordinates (MA State Plane meter)	Project End Location: X,Y Coordinates (MA State Plane meter)	Complete Streets Project Origin (planning documentation or supporting analysis)	Complete Streets Project Type (refer to the Eligible Projects Worksheet)	Safety	ADA Accessibility	Pedestrian Mobility	Bicycle Mobility	Transit Operations and Access	Vehicular Operations	Freight Operations	Will this project be in Coordination with other Communities? (list, if applicable)	Total Estimated Project Cost	Complete Streets Funding Requested	Other Funding Source(s) and Amount (if applicable)	Anticipated Construction Duration (number of months)	Desired Construction Start Date (month/year)
5	Landry Avenue Bicycle and Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (Smith Street to North Attleborough High School). Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (North Attleborough High School to Laurelwood Drive). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets along the entire corridor. Restripe the roadway to provide two 5 foot wide designated bicycle lanes and add MUTCD approved bicycle lane pavement markings and bicycle lane signage (R3-17) (Orne Street to East Ridge Road). Add sharrows and bicycle signage (R4-11) (East Ridge Road to Route 152).	No	Orne Street to Route 152	214310, 859162	217140, 860819	CS Needs Assessment	S1, B2, B8, BO, P2, P3, P5, P9, P12	X	X	X	X				No	\$400,753	\$400,000	CH 90 \$753	8	05/01/19
6	Orne Street Bicycle & Pedestrian Improvements	Replace the existing sidewalk surface with new asphalt on both sides of road (East Street to Landry Avenue). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Restripe roadway to provide two 5 foot wide designated bicycle lanes with MUTCD approved bicycle lane pavement markings and bicycle lane signage (R3-17) (Route 1 to Landry Avenue). Add sharrows and bicycle signage (R4-11) North Washington Street to Route 1). Add sharrows and bicycle signage (R4-11) on East Street (Orne Street to Mason Avenue) and on Mason Avenue (East Street to North Washington Street).	No	North Washington Street to Landry Avenue	213889, 859226	214310, 859162	CS Needs Assessment	S1, B2, B8, BO, P2, P3, P5, P9, P12	X	X	X	X	X			No	\$105,096	\$105,096		6	05/01/19
7	Arnold Road Bicycle & Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Westside Avenue to High Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).	No	Westside Avenue to High Street	212627, 859012	213305, 859353	CS Needs Assessment	B8, BO, P2, P3, P5, P9, P12		X	X	X				No	\$337,308	\$337,308		8	05/01/19



Complete Streets Funding Program Project Prioritization Plan

Municipality

North Attleborough

MassDOT District

5

Date

6/25/2018

Name/Title

Mark Hollowell, DPW Director

Project Details			EJ	Complete Streets Location			Project Origin and Type		Complete Streets Needs								Complete Streets Funding Request			Construction Schedule	
Rank	Project Name	Project Description	Environmental Justice Population	Project Limits	Project Start Location: X,Y Coordinates (MA State Plane meter)	Project End Location: X,Y Coordinates (MA State Plane meter)	Complete Streets Project Origin (planning documentation or supporting analysis)	Complete Streets Project Type (refer to the Eligible Projects Worksheet)	Safety	ADA Accessibility	Pedestrian Mobility	Bicycle Mobility	Transit Operations and Access	Vehicular Operations	Freight Operations	Will this project be in Coordination with other Communities? (list, if applicable)	Total Estimated Project Cost	Complete Streets Funding Requested	Other Funding Source(s) and Amount (if applicable)	Anticipated Construction Duration (number of months)	Desired Construction Start Date (month/year)
8	Crescent Avenue Bicycle & Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Westside Avenue to Meadow Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).	No	Westside Avenue to Arnold Road	212786, 858441	212777, 859044	CS Needs Assessment	B8, BO, P2, P3, P5, P9, P12		X	X	X				No	\$195,314	\$195,314		8	05/01/19
9	Westside Avenue Bicycle & Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Metcalf Road to Arnold Road). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).	No	Metcalf Road to Arnold Road	212778, 858374	212628, 859012	CS Needs Assessment	B8, BO, P2, P3, P5, P9, P12		X	X	X				No	\$248,637	\$248,637		8	05/01/19
10	AmVet Boulevard Bicycle & Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on both sides of the road (Crescent Avenue to Bonneau Lane). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks on approaches of the AmVet Boulevard & Johnson Street, the AmVet Boulevard & Bonneau Street intersection and at both driveways of the school property. Add sharrows and bicycle signage (R4-11).	No	Crescent Avenue to Roosevelt Avenue	212906, 858584	213123, 858812	CS Needs Assessment	B8, BO, P2, P3, P5, P9, P12		X	X	X				No	\$117,955	\$117,955		8	05/01/19
11	Roosevelt Avenue & Johnson Street Bicycle Improvements	Add sharrows and bicycle signage (R4-11).	No	Broadway to Arnold (Roosevelt Avenue) & AmVets Boulevard to Arnold Road (Johnson Street)	213379, 858666 213077, 858751	212951, 859093 212866, 859064	CS Needs Assessment	B8, BO				X				No	\$10,088	\$10,088		4	05/01/19
12	Broadway Bicycle and Pedestrian Improvements	Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets (Metcalf Road to West Street). Add sharrows and bicycle signage (R4-11). Install a set of Rapid Rectangular Flashing Beacons (RRFB) and high visibility crosswalks at the Roosevelt Avenue intersection and a set of radar speed feedback signs in advance of the Roosevelt Avenue intersection.	No	Metcalf Road to Plainville town line	213273, 858060	213420, 860570	CS Needs Assessment	S5, B8, BO, P2, P3, P5, P9, P12		X	X	X				No	\$261,295	\$261,295		6	05/01/20
13	Route 152 Bicycle Improvements	Restripe the roadway to provide two 5 foot wide designated bicycle lanes (Attleboro city line to Plainville town line). Add MUTCD approved bicycle lane pavement markings and bicycle lane signage (R3-17).	No	Attleboro city line to Plainville town line	217316, 857965	216268, 862041	CS Needs Assessment	B2, BO	X			X	X			No	\$128,114	\$128,114		4	05/01/20



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Rank	Project Name	Project Description	Environmental Justice Population	Project Limits	Project Start Location: X,Y Coordinates (MA State Plane meter)	Project End Location: X,Y Coordinates (MA State Plane meter)	Complete Streets Project Origin (planning documentation or supporting analysis)	Complete Streets Project Type (refer to the Eligible Projects Worksheet)	Safety	ADA Accessibility	Pedestrian Mobility	Bicycle Mobility	Transit Operations and Access	Vehicular Operations	Freight Operations	Will this project be in Coordination with other Communities? (list, if applicable)	Total Estimated Project Cost	Complete Streets Funding Requested	Other Funding Source(s) and Amount (if applicable)	Anticipated Construction Duration (number of months)	Desired Construction Start Date (month/year)
14	Route 152 Pedestrian Improvements (Phase II)	Install new 5 foot wide asphalt sidewalks with granite curbing on both sides of the road (George Leven Drive to Plainville Town Line). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.	No	George Leven Drive to Plainville town line	216496, 861784	216268, 862041	CS Needs Assessment	P2, P3, P5, P9, P12		X	X		X			No	\$199,097	\$199,097		6	05/01/20
15	Towne Street Bicycle & Pedestrian Improvements	Replace existing sidewalks with new 5 foot wide asphalt sidewalks with granite curbing on the both sides of the road (Mount Hope Street to Jackson Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).	No	Mount Hope Street to John L. Dietsch Boulevard	215001, 857533	216495, 858574	CS Needs Assessment	B8, BO, P2, P3, P5, P9, P12		X	X	X	X			No	\$466,774	\$400,000	CH 90 \$66,774	12	05/01/20
16	Stanley Street Bicycle & Pedestrian Improvements	Replace existing sidewalks with new 5 foot wide asphalt sidewalks with granite curbing on both sides of the road (Commonwealth Avenue to Towne Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).	No	Commonwealth Avenue to Towne Street	215969, 857679	215894, 858213	CS Needs Assessment	B8, BO, P2, P3, P5, P9, P12		X	X	X	X			No	\$423,724	\$400,000	CH 90 \$23,724	8	05/01/20
17	Route 152 Pedestrian Improvements (Phase I)	Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (Bungay Road to Landry Avenue). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.	No	Bungay Road to Landry Avenue	217435, 859774	217140, 860819	CS Needs Assessment	P2, P3, P5, P9, P12		X	X					No	\$238,409	\$238,409		8	05/01/20
18	South Washington Street Pedestrian Improvements	Install a new 5 foot wide concrete sidewalk with granite curbing on the left side of the road (#429 South Washington Street to Calvin Road). Add ADA/AAB compliant curb ramps with tactile warning panels and a high visibility crosswalks at all intersecting streets.	No	#429 South Washington Street to Calvin Road	213401, 857605	213463, 857833	CS Needs Assessment	P2, P3, P5, P9, P12		X	X		X			No	\$164,563	\$164,563		6	05/01/20
19	Commonwealth Avenue Bicycle & Pedestrian Improvements	Replace the existing sidewalk with a new 5 foot wide asphalt sidewalk with granite curbing on both sides of the road (Mount Hope Street to Stack Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).	No	Mount Hope Street to Elm Street	215048, 857956	215406, 857864	CS Needs Assessment	B8, BO, P2, P3, P5, P9, P12		X	X	X	X			No	\$288,405	\$288,405		8	05/01/20



Complete Streets Funding Program Project Prioritization Plan

Municipality

North Attleborough

MassDOT District

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Date

6/25/2018

Name/Title

Mark Hollowell, DPW Director

Project Details			EJ	Complete Streets Location			Project Origin and Type		Complete Streets Needs								Complete Streets Funding Request			Construction Schedule	
Rank	Project Name	Project Description	Environmental Justice Population	Project Limits	Project Start Location: X,Y Coordinates (MA State Plane meter)	Project End Location: X,Y Coordinates (MA State Plane meter)	Complete Streets Project Origin (planning documentation or supporting analysis)	Complete Streets Project Type (refer to the Eligible Projects Worksheet)	Safety	ADA Accessibility	Pedestrian Mobility	Bicycle Mobility	Transit Operations and Access	Vehicular Operations	Freight Operations	Will this project be in Coordination with other Communities? (list, if applicable)	Total Estimated Project Cost	Complete Streets Funding Requested	Other Funding Source(s) and Amount (if applicable)	Anticipated Construction Duration (number of months)	Desired Construction Start Date (month/year)
20	John L. Dietsch Boulevard Bicycle & Pedestrian Improvements	Install new 5 foot wide asphalt sidewalks with granite curbing on both sides of the road (Toner Boulevard to Landry Avenue). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Remove traffic islands at the Towne Street intersection. Add sharrows and bicycle signage (R4-11).	No	Toner Boulevard to Landry Avenue	216610, 857650	216613, 859891	CS Needs Assessment		X	X	X	X	X			No	\$1,663,017	\$400,000	TBD \$663,017	8	05/01/21
21	Hope Street Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Dead End to Grant Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.	No	Dead End to Grant Street	214554, 858755	214493, 858914	CS Needs Assessment	P2, P3, P5, P9, P12		X	X		X			No	\$81,139	\$81,139		6	05/01/21
22	Elmwood Street Bicycle & Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on right side of road (YMCA to WWI Memorial Park). Add ADA/AAB compliant curb ramps with tactile warning panels, a high visibility crosswalk and a set of Rapid Rectangular Flashing Beacons (RRFB) at the YMCA property midblock crossing. Install ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets (Route 1 to Plainville Town Line). Add sharrows and bicycle signage (R4-11).	No	Route 1 to Plainville Town Line	214168, 860345	215303, 861542	CS Needs Assessment	B8, BO, P2, P3, P5, P9, P12		X	X	X				No	\$165,850	\$165,850		6	05/01/21
23	Mount Hope Street Bicycle & Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (Hawthorne Street to Elmwood Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at the following intersections: 1.) Fisher Street, 2.) Landry Avenue, 3.) Chestnut Street, 4.) Elm Street, 5.) Commonwealth Avenue and, 6.) Towne Street. Add sharrows and bicycle signage (R4-11).	No	Old Post Road to Elmwood Street	213204, 854608	214661, 860623	CS Needs Assessment	B8, BO, P2, P3, P5, P9, P12	X	X	X	X	X			No	\$394,623	\$394,623		6	05/01/21



Complete Streets Funding Program Project Prioritization Plan

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North Attleborough
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Project Details			EJ	Complete Streets Location			Project Origin and Type		Complete Streets Needs								Complete Streets Funding Request			Construction Schedule	
Rank	Project Name	Project Description	Environmental Justice Population	Project Limits	Project Start Location: X,Y Coordinates (MA State Plane meter)	Project End Location: X,Y Coordinates (MA State Plane meter)	Complete Streets Project Origin (planning documentation or supporting analysis)	Complete Streets Project Type (refer to the Eligible Projects Worksheet)	Safety	ADA Accessibility	Pedestrian Mobility	Bicycle Mobility	Transit Operations and Access	Vehicular Operations	Freight Operations	Will this project be in Coordination with other Communities? (list, if applicable)	Total Estimated Project Cost	Complete Streets Funding Requested	Other Funding Source(s) and Amount (if applicable)	Anticipated Construction Duration (number of months)	Desired Construction Start Date (month/year)
24	Broad Street Bicycle & Pedestrian Improvements	Replace the existing sidewalks with new 5 foot wide asphalt sidewalks with granite curbing on both sides of the road (High Street to #262 Broad Street). Install new 5 foot wide asphalt sidewalks with granite curbing on the right side of the road (#262 Broad Street to Whiting Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).	No	High Street to Whiting Street	213788, 859335	213944, 860429	CS Needs Assessment	B8, BO, P2, P3, P5, P9, P12		X	X	X				No	\$733,761	\$400,000	TBD \$333,761	12	05/01/21
25	Broadway Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (Metcalf Road to Roosevelt Avenue). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets (Metcalf Road to Roosevelt Avenue).	No	Metcalf Road to Roosevelt Avenue	213273, 858060	213379, 858667	CS Needs Assessment	P2, P3, P5, P9, P12		X	X					No	\$218,464	\$218,464		6	05/01/21
26	Route 120 Bicycle Improvements	Restripe the roadway to provide two 5 foot wide designated bicycle lanes (Rhode Island state line to South Washington Street). Add MUTCD approved bicycle lane pavement markings and bicycle lane signage (R3-17).	No	Rhode Island state line to South Washington Street	209833, 857903	213337, 857348	CS Needs Assessment	B2, BO	X			X				No	\$105,908	\$105,908		4	05/01/21
27	Chestnut Street Bicycle & Pedestrian Improvements	Replace the existing sidewalks with new 5 foot wide asphalt sidewalks with granite curbing on both sides of the road (East Street to Mount Hope Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).	Yes	East Street to Mount Hope Street	213845, 858679	215034, 858307	CS Needs Assessment	B8, BO, P2, P3, P5, P9, P12		X	X	X	X			No	\$765,463	\$400,000	TBD \$365,463	8	05/01/21
28	Anawan Road Bicycle & Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Route 120 to Metcalf Road). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).	No	Route 120 to Metcalf Road	213069, 857333	213004, 858068	CS Needs Assessment	B8, BO, P2, P3, P5, P9, P12		X	X	X				No	\$252,918	\$252,918		6	05/01/21



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Municipality

MassDOT District

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Date

Name/Title

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Mark Hollowell, DPW Director

Project Details			EJ	Complete Streets Location			Project Origin and Type		Complete Streets Needs								Complete Streets Funding Request			Construction Schedule	
Rank	Project Name	Project Description	Environmental Justice Population	Project Limits	Project Start Location: X,Y Coordinates (MA State Plane meter)	Project End Location: X,Y Coordinates (MA State Plane meter)	Complete Streets Project Origin (planning documentation or supporting analysis)	Complete Streets Project Type (refer to the Eligible Projects Worksheet)	Safety	ADA Accessibility	Pedestrian Mobility	Bicycle Mobility	Transit Operations and Access	Vehicular Operations	Freight Operations	Will this project be in Coordination with other Communities? (list, if applicable)	Total Estimated Project Cost	Complete Streets Funding Requested	Other Funding Source(s) and Amount (if applicable)	Anticipated Construction Duration (number of months)	Desired Construction Start Date (month/year)
29	Metcalfe Road Bicycle & Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Anawan Road to Westside Avenue) and on the left side of the road (Anawan Road to Broadway). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).	No	Anawan Road to Westside Avenue & Anawan Road to Broadway	213004, 858068 213004, 858068	212778, 858374 213273, 858060	CS Needs Assessment	B8, BO, P2, P3, P5, P9, P12		X	X	X				No	\$298,928	\$298,928		6	05/01/21
30	Grant Street Pedestrian Improvements	Replace the existing sidewalks with a new 5 foot wide asphalt sidewalk with granite curbing (Elm Street to Hope Street) on both sides of the road. Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at the Hope Street and Elm Street intersections.	No	Elm Street to Hope Street	214277, 858851	214493, 858914	CS Needs Assessment	P2, P3, P5, P9, P12		X	X		X			No	\$150,979	\$150,979		6	05/01/22
31	Barrows Street Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Elementary School Driveway to South Washington Street). Add ADA/AAB compliant curb ramps with tactile warning panels and a high visibility crosswalk at the School Driveway.	No	Elementary School Driveway to South Washington Street	213683, 858842	213797, 858824	CS Needs Assessment	P2, P3, P5, P9, P12		X	X		X			No	\$48,179	\$48,179		4	05/01/22
32	Ralph Street Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of road (Barrows Street to Bank Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.	No	Barrows Street to Bank Street	213531, 858863	213556, 859038	CS Needs Assessment	P2, P3, P5, P9, P12		X	X		X			No	\$68,722	\$68,722		6	05/01/22
33	Brandon Street Pedestrian Improvements	Fill gaps in the existing sidewalks on both sides of road (Barrows Street to Bank Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.	No	Barrows Street to Bank Street	213463, 858876	213465, 859040	CS Needs Assessment	P2, P3, P5, P9, P12		X	X		X			No	\$29,713	\$29,713		4	05/01/22
34	Intersection Pedestrian Improvements	Install ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at the following intersections: 1) Bank Street & Morse Street, 2) Fisher Street & East Street, 3) Elm Street & Bulfinch Street, 4) Park Street & Adams Street, 5) Park Street & West Street, 6) Park Street & School Street.	Yes	Numerous Intersections	213660, 859037 214062, 859550 214936, 858246 213999, 859958 214012, 860069 214025, 860125	213660, 859037 214062, 859550 214936, 858246 213999, 859958 214012, 860069 214025, 860125	CS Needs Assessment	P2, P3, P9, P12		X	X					No	\$93,405	\$93,405		4	05/01/22



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Project Details			EJ	Complete Streets Location			Project Origin and Type		Complete Streets Needs								Complete Streets Funding Request			Construction Schedule	
Rank	Project Name	Project Description	Environmental Justice Population	Project Limits	Project Start Location: X,Y Coordinates (MA State Plane meter)	Project End Location: X,Y Coordinates (MA State Plane meter)	Complete Streets Project Origin (planning documentation or supporting analysis)	Complete Streets Project Type (refer to the Eligible Projects Worksheet)	Safety	ADA Accessibility	Pedestrian Mobility	Bicycle Mobility	Transit Operations and Access	Vehicular Operations	Freight Operations	Will this project be in Coordination with other Communities? (list, if applicable)	Total Estimated Project Cost	Complete Streets Funding Requested	Other Funding Source(s) and Amount (if applicable)	Anticipated Construction Duration (number of months)	Desired Construction Start Date (month/year)
35	Jay Street Pedestrian Improvements	Replace the the existing sidewalk surface with new asphalt on both sides of road (Route 1 to Elm Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.	Yes	Route 1 to Elm Street	214124, 858690	214336, 858784	CS Needs Assessment	P2, P3, P5, P9, P12		X	X		X			No	\$114,750	\$114,750		6	05/01/22
36	Plain Street Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Route 152 to Woodchip Square). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.	No	Route 152 to Woodchip Square	216285, 862023	216650, 861978	CS Needs Assessment	P2, P3, P5, P9, P12		X	X					No	\$163,180	\$163,180		6	05/01/22
37	Circular Street Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (#59 Circular Street to West Street). Replace the existing sidewalk surfaces with new asphalt and keep existing granite curbing in place on both sides of the road (Leonard Street to #59 Circular Street). Add ADA/AAB compliant curb ramps with tactile warning panels and a high visibility crosswalks at all intersecting streets.	No	Leonard Street to West Street	213693, 859599	213671, 860063	CS Needs Assessment	P2, P3, P5, P9, P12		X	X					No	\$217,790	\$217,790		8	05/01/22
38	School Street Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (West Street to Broad Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.	No	West Street to Broad Street	213802, 860094	213902, 860174	CS Needs Assessment	P2, P3, P5, P9, P12		X	X					No	\$80,905	\$80,905		6	05/01/22
39	Spruce Street Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Al Pace Drive to #92 Spruce Street). Fill gaps and repair sections of existing sidewalk (#92 Spruce Street to Elmwood Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at the intersection with Al Pace Drive and at all other intersecting streets.	No	Al Pace Drive to #92 Spruce Street	214482, 859937	214250, 860392	CS Needs Assessment	P2, P3, P5, P9, P12		X	X					No	\$74,241	\$74,241		6	05/01/23
40	Reed Avenue Pedestrian Improvements	Install new 5 foot wide asphalt sidewalks with granite curbing on both sides where gaps exist (Hawthorne Street to Elmwood Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.	No	Hawthorne Street to Elmwood Street	214566, 859967	214337, 860438	CS Needs Assessment	P2, P3, P5, P9, P12		X	X					No	\$74,267	\$74,267		6	05/01/23



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Rank	Project Name	Project Description	Environmental Justice Population	Project Limits	Project Start Location: X,Y Coordinates (MA State Plane meter)	Project End Location: X,Y Coordinates (MA State Plane meter)	Complete Streets Project Origin (planning documentation or supporting analysis)	Complete Streets Project Type (refer to the Eligible Projects Worksheet)	Safety	ADA Accessibility	Pedestrian Mobility	Bicycle Mobility	Transit Operations and Access	Vehicular Operations	Freight Operations	Will this project be in Coordination with other Communities? (list, if applicable)	Total Estimated Project Cost	Complete Streets Funding Requested	Other Funding Source(s) and Amount (if applicable)	Anticipated Construction Duration (number of months)	Desired Construction Start Date (month/year)
41	Hawthorne Street Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (Spruce Street to Reed Avenue).	No	Spruce Street to Reed Avenue	214482, 859937	214566, 859967	CS Needs Assessment	P2, P3, P5, P9, P12		X	X					No	\$53,705	\$53,705		6	05/01/23
42	Cross Street Pedestrian Improvements	Install new 5 foot wide asphalt sidewalks with granite curbing on both sides of the road (Smith Street to Reed Avenue). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.	No	Smith Street to Reed Avenue	214254, 860153	214424, 860226	CS Needs Assessment	P2, P3, P5, P9, P12			X	X				No	\$161,892	\$161,892		6	05/01/23
43	High Street & Fales Road Bicycle Improvements	Add sharrows and bicycle signage (R4-11).	No	Plainville town line to North Washington Street (High Street) and Route 120 to High Street (Fales Road)	210393, 859429 211071, 857317	213889, 859321 210562, 859089	CS Needs Assessment	B8, BO	X			X				No	\$60,760	\$60,760		4	05/01/23
44	Union Street Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (Elm Street to Chestnut Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.	Yes	Elm Street to Chestnut Street	214877, 858278	214918, 858363	CS Needs Assessment	P2, P3, P5, P9, P12		X	X		X			No	\$50,086	\$50,086		6	05/01/23
45	Smith Street Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Mount Hope Street to Route 1). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.	No	Mount Hope Street to Route 1	215076, 858729	214206, 860209	CS Needs Assessment	P2, P3, P5, P9, P12		X	X					No	\$654,839	\$400,000	TBD \$254,839	12	05/01/23
46	Allen Avenue Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (Draper Avenue to Hoppin Hill Road). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.	No	Draper Avenue to Hoppin Hill Road	212074, 855551	211554, 856763	CS Needs Assessment	P2, P3, P5, P9, P12		X	X					No	\$519,648	\$400,000	TBD \$119,648	6	05/01/23
47	Allen Avenue & Hoppin Hill Avenue & Holmes Road Bicycle Improvements	Add sharrows and bicycle signage (R4-11).	No	Route 1 to Route 120	212511, 854546	210852, 857422	CS Needs Assessment	B8, BO	X			X	X			No	\$39,456	\$39,456		4	05/01/23
48	Bungay Road Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Route 152 to Mansfield Road). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.	No	Route 152 to Mansfield Road	217435, 859776	218195, 860045	CS Needs Assessment	P2, P3, P5, P9, P12		X	X					No	\$306,844	\$306,844		6	05/01/24



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Project Details			EJ	Complete Streets Location			Project Origin and Type		Complete Streets Needs								Complete Streets Funding Request			Construction Schedule	
Rank	Project Name	Project Description	Environmental Justice Population	Project Limits	Project Start Location: X,Y Coordinates (MA State Plane meter)	Project End Location: X,Y Coordinates (MA State Plane meter)	Complete Streets Project Origin (planning documentation or supporting analysis)	Complete Streets Project Type (refer to the Eligible Projects Worksheet)	Safety	ADA Accessibility	Pedestrian Mobility	Bicycle Mobility	Transit Operations and Access	Vehicular Operations	Freight Operations	Will this project be in Coordination with other Communities? (list, if applicable)	Total Estimated Project Cost	Complete Streets Funding Requested	Other Funding Source(s) and Amount (if applicable)	Anticipated Construction Duration (number of months)	Desired Construction Start Date (month/year)
49	Lindsey Street Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Attleboro City Line to Bungay Road). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.	No	Attleboro city line to Bungay Road	218335, 858915	218195, 860045	CS Needs Assessment	P2, P3, P5, P9, P12		X	X					No	\$400,487	\$400,000	CH 90 \$487	8	05/01/24
50	Mansfield Road Pedestrian Improvements	Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Bungay Road to Mansfield town line). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.	No	Bungay Road to Mansfield town line	218195, 860045	218629, 860672	CS Needs Assessment	P2, P3, P5, P9, P12		X	X					No	\$294,727	\$294,727		8	05/01/24

Appendix B

Complete Streets Evaluation Criteria

**Town of North Attleborough
Complete Streets Evaluation Criteria**

Theme	Points	Measurement
Livability/Sustainability	0	Project is located in a non-residential area
	1	Project is located in a low-density residential area with little nearby commercial or recreational uses
	2	Project is located in a medium-density residential area with some nearby commercial or recreational uses
	3	Project is located in a high-density residential area with a lot of nearby commercial or recreational uses
Connectivity	0	Project does not improve connectivity
	1	Project improves connectivity for 1 user
	2	Project improves connectivity for 2 users
	3	Project improves connectivity for more than 2 users
Safety	0	Project does not improve safety
	1	Project improves safety for 1 user
	2	Project improves safety for 2 users
	3	Project improves safety for more than 2 users
Trip Generators	0	Project does not provide connections to nearby trip generators
	1	Project provides connections to 1-2 trip generators
	2	Project provides connections to 3-4 trip generators
	3	Project provides connections to more than 4 trip generators
Traffic Volume	0	Project is located on a road very low traffic volumes
	1	Project is located on a road with low traffic volumes
	2	Project is located on a road with moderate traffic volumes
	3	Project is located on a road with high traffic volumes
Project Readiness	0	Project has not been designed yet
	1	Project is at 25% design
	2	Project is at 75% design
	3	Project does not require design or is at 100% design
Align with Working Group	0	Project was not identified by Working Group
	1	Project was identified as a low priority by Working Group
	2	Project was identified as a medium priority by Working Group
	3	Project was identified as a high priority by Working Group

Appendix C

Complete Streets Project Scoring Results

**Town of North Attleborough
Complete Streets Project Scoring Results**

Project No.	Roadway	Project Name	Project Extent	Livability/ Sustainability	Connectivity	Safety	Trip Generators	Traffic Volume	Project Readiness	Align with Town Plans	Estimated Project Cost	Total Score
1	Jackson Street	Jackson Street Bicycle & Pedestrian Improvements	Elm Street to Stanley Street	2	2	3	3	2	0	3	\$426,032.58	15
2	Toner Boulevard, Commonwealth Avenue, Chestnut Street, Elm Street	Toner Boulevard, Commonwealth Avenue, Chestnut Street, Elm Street Bicycle Improvements	North Washington Street to John L. Dietsch Boulevard	2	2	2	3	3	0	3	\$93,265.28	15
3	North & South Washington Street and Park Street	North & South Washington Street Bicycle & Pedestrian Improvements	Route 120 to Park Street	2	2	2	3	3	0	3	\$1,137,310.21	15
4	Landry Avenue	J.W. Martin Elementary School Improvements	#88 Landry Avenue to Route 152	3	3	2	1	3	0	2	\$347,878.68	14
5	Landry Avenue	Landry Avenue Bicycle and Pedestrian Improvements	Orne Street to Route 152	2	2	2	2	3	0	3	\$400,752.93	14
6	Orne Street	Orne Street Bicycle & Pedestrian Improvements	North Washington Street to Landry Avenue	2	2	2	3	3	0	2	\$105,095.76	14
7	Arnold Road	Arnold Road Bicycle & Pedestrian Improvements	Westside Avenue to High Street	3	2	2	1	2	0	2	\$337,308.35	12
8	Crescent Avenue	Crescent Avenue Bicycle & Pedestrian Improvements	Westside Avenue to Arnold Road	3	2	2	1	2	0	2	\$195,314.36	12
9	Westside Avenue	Westside Avenue Bicycle & Pedestrian Improvements	Metcalfe Road to Arnold Road	3	2	2	1	2	0	2	\$248,637.00	12
10	AmVet Boulevard	AmVet Boulevard Bicycle & Pedestrian Improvements	Crescent Avenue to Roosevelt Avenue	3	2	2	1	2	0	2	\$117,954.57	12
11	Roosevelt Avenue/Johnson Street	Roosevelt Avenue & Johnson Street Bicycle Improvements	Broadway to Arnold (Roosevelt Avenue) & AmVets Boulevard to Arnold Road (Johnson Street)	2	2	2	1	2	0	3	\$10,088.26	12
12	Broadway	Broadway Bicycle and Pedestrian Improvements	Metcalfe Road to Plainville town line	3	2	2	1	2	0	2	\$261,294.55	12
13	Kelly Boulevard (Route 152)	Route 152 Bicycle Improvements	Attleboro city line to Plainville town line	2	1	1	2	3	0	3	\$128,114.03	12
14	Kelly Boulevard (Route 152)	Route 152 Pedestrian Improvements (Phase I)	George Leven Drive to Plainville town line	2	1	1	3	3	0	2	\$199,097.47	12
15	Towne Street	Towne Street Bicycle & Pedestrian Improvements	Mount Hope Street to John L. Dietsch Boulevard	2	2	2	2	2	0	1	\$466,773.73	11
16	Stanley Street	Stanley Street Bicycle & Pedestrian Improvements	Commonwealth Avenue to Towne Street	2	2	2	2	1	0	2	\$423,723.63	11
17	Kelly Boulevard (Route 152)	Route 152 Pedestrian Improvements (Phase I)	Bungay Road to Landry Avenue	2	1	1	1	3	0	3	\$238,408.75	11
18	South Washington Street	South Washington Street Pedestrian Improvements	#429 South Washington Street to Calvin Road	2	1	1	2	2	0	3	\$164,562.70	11
19	Commonwealth Avenue	Commonwealth Avenue Bicycle & Pedestrian Improvements	Mount Hope Street to Elm Street	3	2	2	1	2	0	1	\$288,405.41	11

**Town of North Attleborough
Complete Streets Project Scoring Results**

Project No.	Roadway	Project Name	Project Extent	Livability/ Sustainability	Connectivity	Safety	Trip Generators	Traffic Volume	Project Readiness	Align with Town Plans	Estimated Project Cost	Total Score
20	John L. Deitsch Boulevard	John L. Deitsch Boulevard Bicycle & Pedestrian Improvements	Toner Boulevard to Landry Avenue	1	2	2	2	2	0	2	\$1,663,016.53	11
21	Hope Street	Hope Street Pedestrian Improvements	Dead End to Grant Street	2	2	1	2	1	0	2	\$81,139.45	10
22	Elmwood Street	Elmwood Street Bicycle & Pedestrian Improvements	Route 1 to Plainville Town Line	2	2	2	1	1	0	2	\$165,850.02	10
23	Mount Hope Street	Mount Hope Street Bicycle & Pedestrian Improvements	Old Post Road to Elmwood Street	2	2	2	1	2	0	1	\$394,623.23	10
24	Broad Street	Broad Street Bicycle & Pedestrian Improvements	High Street to Whiting Street	2	2	2	1	1	0	1	\$733,760.61	9
25	Broadway	Broadway Pedestrian Improvements	Metcalf Road to Roosevelt Avenue	2	1	1	1	2	0	2	\$218,463.59	9
26	Route 120	Route 120 Bicycle Improvements	Rhode Island state line to South Washington Street	1	1	1	2	3	0	1	\$105,907.59	9
27	Chestnut Street	Chestnut Street Bicycle & Pedestrian Improvements	East Street to Mount Hope Street	2	2	2	1	1	0	1	\$765,463.22	9
28	Anawan Road	Anawan Road Bicycle & Pedestrian Improvements	Route 120 to Metcalf Road	2	2	2	1	1	0	1	\$252,917.96	9
29	Metcalf Road	Metcalf Road Bicycle & Pedestrian Improvements	Anawan Road to Westside Avenue & Anawan Road to Broadway	2	2	2	1	1	0	1	\$298,928.09	9
30	Grant Street	Grant Street Pedestrian Improvements	Elm Street to Hope Street	2	1	1	2	1	0	1	\$150,978.91	8
31	Barrows Street	Barrows Street Pedestrian Improvements	Elementary School Driveway to South Washington Street	2	1	1	2	1	0	1	\$48,179.09	8
32	Ralph Street	Ralph Street Pedestrian Improvements	Barrows Street to Bank Street	2	1	1	2	1	0	1	\$68,722.17	8
33	Brandon Street	Brandon Street Pedestrian Improvements	Barrows Street to Bank Street	2	1	1	2	1	0	1	\$29,713.41	8
34	Multiple Streets	Intersection Pedestrian Improvements	Numerous Intersections	2	1	1	1	1	0	2	\$93,404.74	8
35	Jay Street	Jay Street Pedestrian Improvements	Route 1 to Elm Street	2	1	1	2	1	0	1	\$114,749.60	8
36	Plain Street	Plain Street Pedestrian Improvements	Route 152 to Woodchip Square	2	1	1	2	1	0	1	\$163,178.79	8
37	Circular Street	Circular Street Pedestrian Improvements	Leonard Street to West Street	2	1	1	1	1	0	1	\$217,790.50	7
38	School Street	School Street Pedestrian Improvements	West Street to Broad Street	2	1	1	1	1	0	1	\$80,905.13	7
39	Spruce Street	Spruce Street Pedestrian Improvements	Al Pace Drive to #92 Spruce Street	2	1	1	1	1	0	1	\$74,240.54	7
40	Reed Avenue	Reed Avenue Pedestrian Improvements	Hawthorne Street to Elmwood Street	2	1	1	1	1	0	1	\$74,267.23	7
41	Hawthorne Street	Hawthorne Street Pedestrian Improvements	Spruce Street to Reed Avenue	2	1	1	1	1	0	1	\$53,704.78	7
42	Cross Street	Cross Street Pedestrian Improvements	Smith Street to Reed Avenue	2	1	1	1	1	0	1	\$161,891.81	7

**Town of North Attleborough
Complete Streets Project Scoring Results**

Project No.	Roadway	Project Name	Project Extent	Livability/ Sustainability	Connectivity	Safety	Trip Generators	Traffic Volume	Project Readiness	Align with Town Plans	Estimated Project Cost	Total Score
43	High Street/Fales Road	High Street & Fales Road Bicycle Improvements	Plainville town line to North Washington Street (High Street) and Route 120 to High Street (Fales Road)	2	1	1	1	1	0	1	\$60,759.79	7
44	Union Street	Union Street Pedestrian Improvements	Elm Street to Chestnut Street	2	1	1	1	1	0	1	\$50,085.88	7
45	Smith Street	Smith Street Pedestrian Improvements	Mount Hope Street to Route 1	2	1	1	1	1	0	1	\$654,839.23	7
46	Allen Avenue	Allen Avenue Pedestrian Improvements	Draper Avenue to Hoppin Hill Road	1	1	1	1	1	0	1	\$519,648.23	6
47	Allen Avenue/Hoppin Hill Avenue/Holmes Road	Allen Avenue & Hoppin Hill Avenue & Holmes Road Bicycle Improvements	Route 1 to Route 120	1	1	1	1	1	0	1	\$39,456.04	6
48	Bungay Road	Bungay Road Pedestrian Improvements	Route 152 to Mansfield Road	1	1	1	1	1	0	1	\$306,843.81	6
49	Lindsey Street	Lindsey Street Pedestrian Improvements	Attleboro city line to Bungay Road	1	1	1	1	1	0	1	\$400,486.87	6
50	Mansfield Road	Mansfield Road Pedestrian Improvements	Bungay Road to Mansfield town line	1	1	1	1	1	0	1	\$294,726.76	6

Appendix D

Crash Summary Table (2010-2014)

Town of North Attleborough
Crash Summary Table (2012-2014)

	Broadway & High	SWash & Chestnut	SWash & Elm	NWash & Orne	NWash & High	NWash & Fisher	Park & Whiting	Mt. Hope & Elm	Mt. Hope & Landry	Mt. Hope & Old Post	Old Post & Draper	Commwealth & Towne	Commonwealth & North	Commonwealth & Freeman	Commonwealth & Stanely	Commonwealth & Dietsch	Elm & Chestnut	Dietsch & Towne	Landry & High School	Route 152 & Plain	Route 152 & Landry	Route 152 & Bungay	Lindsey & Bungay	Mendon & Depot	Toner & Dietsch
Year																									
2012	0	1	2	3	3	2	3	6	0	3	2	5	2	1	2	1	2	2	2	4	1	1	3	0	1
2013	3	3	4	2	2	3	3	1	4	1	0	2	6	3	2	4	7	1	0	3	7	3	2	4	4
2014	3	3	5	3	4	3	4	7	1	0	2	0	6	4	2	5	13	3	2	4	3	3	3	1	5
Total	6	7	11	8	9	8	10	14	5	4	4	7	14	8	6	10	22	6	4	11	11	7	8	5	10
Average per year	1.20	1.40	2.20	1.60	1.80	1.60	2.00	2.80	1.00	0.80	0.80	1.40	2.80	1.60	1.20	2.00	4.40	1.20	0.80	2.20	2.20	1.40	1.60	1.00	2.00
Collision Type																									
Angle	3	4	1	1	8	3	7	5	1	1	2	1	8	3	3	3	14	5	2	6	5	5	3	1	3
Head-on	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Rear-end	1	2	4	4	0	1	1	8	4	1	1	5	4	3	3	4	5	0	2	4	5	0	1	2	4
Rear-to-Rear	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sideswipe, opposite direction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	1	1
Sideswipe, same direction	2	1	4	1	0	2	1	1	0	2	0	1	2	1	0	0	0	0	0	1	1	0	2	0	0
Single vehicle crash	0	0	2	2	1	2	1	0	0	0	1	0	0	1	0	2	1	1	0	0	0	1	1	1	2
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Total	6	7	11	8	9	8	10	14	5	4	4	7	14	8	6	10	22	6	4	11	11	7	8	5	10
Crash Severity																									
Fatal injury	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-fatal injury	1	2	2	1	3	1	1	4	2	1	1	0	2	2	3	2	6	1	2	1	3	0	2	0	2
Property damage only	5	5	9	7	6	6	8	9	2	3	3	7	12	6	3	8	14	5	2	9	7	4	6	5	8
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not reported	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	2	0	0	1	1	3	0	0	0
Total	6	7	11	8	9	8	10	14	5	4	4	7	14	8	6	10	22	6	4	11	11	7	8	5	10
Collision With																									
Motor Vehicle In Traffic	5	7	8	2	8	4	9	13	5	4	3	7	14	7	6	8	19	5	2	10	11	6	7	4	8
Parked Motor Vehicle	1	0	1	3	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
Cyclist	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal (Deer)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal (Other)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moped	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Workzone Mainteance Equip	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Railway (Train, Engine)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Movable Object	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Curb	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tree	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Utility Pole	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0
Light Pole or other post/support	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
Guardrail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Median Barrier	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Embankment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bridge overhead structure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown fixed object	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Overturn/rollover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jackknife	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other non-collision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown non-collision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Total	6	7	11	8	9	8	10	14	5	4	4	7	14	8	6	10	22	6	4	11	11	7	8	5	10
Time of Day																									
6 AM to 10 AM	2	0	2	0	3	1	1	2	3	0	1	0	2	1	0	1	3	3	0	3	5	2	3	1	1
10 AM to 4 PM	4	2	5	5	4	4	4	6	1	1	1	4	3	5	5	5	10	1	4	5	4	0	3	4	5
4 PM to 7 PM	0	5	3	2	2	3	3	3	1	1	0	2	8	1	1	4	5	1	0	1	1	3	1	0	4
7 PM to 12 PM	0	0	1	1	0	0	1	3	0	2	1	1	1	1	0	0	3	1	0	2	1	1	0	0	0
12 AM to 6 AM	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	1	0	0
Total	6	7	11	8	9	8	10	14	5	4	4	7	14	8	6	10	22	6	4	11	11	7	8	5	10

Town of North Attleborough
Crash Summary Table (2012-2014)

	Broadway & High	SWash & Chestnut	SWash & Elm	NWash & Orne	NWash & High	NWash & Fisher	Park & Whiting	Mt. Hope & Elm	Mt. Hope & Landry	Mt. Hope & Old Post	Old Post & Draper	Commwealth & Towne	Commonweal th & North	Commonweal th & Freeman	Commonweal th & Stanely	Commonweal th & Dietsch	Elm & Chestnut	Dietsch & Towne	Landry & High School	Route 152 & Plain	Route 152 & Landry	Route 152 & Bungay	Lindsey & Bungay	Mendon & Depot	Toner & Dietsch
Day of Week																									
Sunday	1	0	1	1	1	0	3	2	1	1	0	2	1	0	1	0	3	0	0	0	0	1	0	1	0
Monday	0	1	1	0	0	0	1	1	2	0	1	0	3	1	0	2	5	0	0	0	1	0	1	1	2
Tuesday	1	1	2	1	3	1	3	2	2	0	1	1	0	0	1	4	1	2	1	1	4	1	1	0	4
Wednesday	1	3	2	0	2	2	2	3	0	1	0	1	4	1	0	3	2	2	1	6	0	2	1	2	3
Thursday	0	1	3	2	0	3	0	1	0	0	1	0	4	2	1	0	5	0	2	0	0	0	3	1	0
Friday	2	1	1	3	0	1	0	2	0	1	1	2	2	4	0	0	4	2	0	1	2	2	1	0	0
Saturday	1	0	1	1	3	1	1	3	0	1	0	1	0	0	3	1	2	0	0	3	4	1	1	0	1
Total	6	7	11	8	9	8	10	14	5	4	4	7	14	8	6	10	22	6	4	11	11	7	8	5	10
Month of Year																									
January	2	1	1	1	1	5	1	0	0	0	0	0	0	0	0	1	4	2	0	1	1	1	1	0	1
February	0	0	1	0	1	1	2	3	1	1	0	1	0	3	0	0	1	0	2	3	2	0	0	0	0
March	0	0	1	1	0	0	1	1	0	0	0	1	0	0	0	2	1	0	0	0	0	2	1	1	2
April	1	0	1	1	1	0	0	0	0	0	0	0	2	0	0	2	2	1	0	0	1	1	0	0	2
May	1	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	2	0	0	0	0	0	0	2	0
June	0	1	2	0	0	0	1	1	0	0	0	3	2	1	0	1	2	0	1	3	0	2	2	1	1
July	0	1	2	0	0	1	2	4	1	0	0	1	1	0	2	0	1	1	0	0	0	0	1	0	0
August	0	1	0	3	0	0	1	0	0	0	0	0	3	0	2	0	3	0	0	2	1	0	1	0	0
September	1	1	0	0	2	0	0	1	2	1	2	0	0	1	0	1	2	1	0	0	0	0	0	1	1
October	0	0	1	0	2	1	0	3	0	1	1	0	2	2	1	1	2	0	0	1	1	0	2	0	1
November	0	1	1	2	0	0	1	0	0	0	0	0	0	0	1	1	2	0	0	1	4	1	0	0	1
December	1	1	1	0	2	0	1	1	0	1	1	0	3	1	0	1	0	1	1	0	1	0	0	0	1
Total	6	7	11	8	9	8	10	14	5	4	4	7	14	8	6	10	22	6	4	11	11	7	8	5	10
Road Surface Condition																									
Dry	5	6	9	8	5	5	7	9	4	3	3	5	12	5	5	7	11	4	4	8	8	4	7	5	7
Wet	0	1	2	0	3	3	2	4	0	1	1	2	2	1	0	2	6	2	0	2	2	1	1	0	2
Snow	1	0	0	0	0	0	1	1	1	0	0	0	0	2	0	0	4	0	0	0	0	2	0	0	0
Ice	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
Sand, mud, dirt, oil, gravel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water (standing, moving)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Slush	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not reported	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1
Total	6	7	11	8	9	8	10	14	5	4	4	7	14	8	6	10	22	6	4	11	11	7	8	5	10
Weather																									
Clear	2	4	8	8	6	5	7	9	4	3	3	6	13	3	5	6	13	4	1	7	5	3	7	3	6
Cloudy	3	2	1	0	1	2	1	1	1	0	0	0	0	2	1	2	1	1	3	2	4	0	0	2	2
Rain	0	0	2	0	2	1	1	3	0	1	1	1	1	1	0	0	5	1	0	1	1	1	1	0	0
Snow	1	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	3	0	0	1	0	2	0	0	0
Sleet, Hail, Freezing Rain	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Fog, Smog, Smoke	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Severe Crosswinds	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blowing Sand, Snow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Total	6	7	11	8	9	8	10	14	5	4	4	7	14	8	6	10	22	6	4	11	11	7	8	5	10
Light Conditions																									
Daylight	6	4	9	7	9	6	7	12	5	1	2	6	11	6	6	8	17	3	4	8	8	4	6	5	8
Dawn	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0
Dusk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
Dark/Lighted Road	0	3	2	1	0	1	2	2	0	3	2	1	2	2	0	1	5	1	0	3	2	1	2	0	1
Dark/Road Not Lighted	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Dark/Unknown Lighting	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Total	6	7	11	8	9	8	10	14	5	4	4	7	14	8	6	10	22	6	4	11	11	7	8	5	10

Appendix E

Complete Streets Project Cost Estimate Worksheets

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 1

Project Name: Jackson Street Bicycle & Pedestrian Improvements

Description: Replace existing sidewalks with new 5 foot wide asphalt sidewalks with granite curbing on both sides of the road (Fales Avenue to Stanley Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add ADA/AAB compliant curb ramps with tactile warning panels and a high visibility crosswalk with a set of Rapid Rectangular Flashing Beacons (RRFB) at the existing Falls Elementary School crossing. Add sharrows and bicycle signage (R4-11).

Extent: Elm Street to Stanley Street

Total Length: 2,082 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	1,028	\$34.78	\$35,759.64
127.00	Concrete Excavation	CY	7	\$180.00	\$1,320.00
170.62	Fine Grading and Compacting	SY	4,776	\$4.00	\$19,104.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	2	\$1,440.00	\$2,880.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	1	\$169.33	\$169.33

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	21	\$180.00	\$3,747.60

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C	CY	608	\$45.00	\$27,372.45
420.00	Hot Mix Asphalt Base Course (2")	TON	244	\$95.00	\$23,190.76
460.00	Hot Mix Asphalt Top Course (1")	TON	121	\$90.00	\$10,868.24
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	3,582	\$42.25	\$151,339.50
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	210	\$40.00	\$8,400.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	280	\$45.00	\$12,600.00
514.00	Granite Curb Inlet - Straight	Each	4	\$370.00	\$1,480.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	308	\$100.00	\$30,800.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	13	\$1,000.00	\$13,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	133	\$45.00	\$5,970.00
765.00	Seeding	SY	398	\$2.00	\$796.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	21	\$80.00	\$1,665.60
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	2	\$10,000.00	\$20,000.00
--	Radar Speed Feedback Sign	Each	0	\$7,000.00	\$0.00

Subtotal					\$370,463.12
15% Contingency					\$55,569.47

Total \$426,032.58
MassDOT Complete Streets Funding Request **\$426,032.58**

Notes:

Crosswalks - Fales (4), Towne (4), Stanley (4), Elementary School Crossing (1)
Curb Ramps - Fales (4), Towne (4), Stanley (4), Elementary School Crossing (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 2

Project Name: Toner Boulevard, Commonwealth Avenue, Chestnut Street, Elm Street Bicycle Improvements

Description: Restripe the roadway to provide two 5 foot wide designated bicycle lanes. Add MUTCD approved bicycle lane pavement markings and bicycle lane signage (R3-17).

Extent: North Washington Street to John L. Dietsch Boulevard

Total Length: 10,756 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	0	\$34.78	\$0.00
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	0	\$4.00	\$0.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
854.10	Pavement Marking Removal	SF	21,512	\$1.50	\$32,268.00
866.106	6 Inch ReflectORIZED White Line (Thermoplastic)	FT	21,512	\$0.97	\$20,866.64
--	Pavement Markings - Bike Lane	Each	108	\$180.00	\$19,360.80
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	0	\$45.00	\$0.00
420.00	Hot Mix Asphalt Base Course (2")	TON	0	\$95.00	\$0.00
460.00	Hot Mix Asphalt Top Course (1")	TON	0	\$90.00	\$0.00
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	0	\$42.25	\$0.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	0	\$40.00	\$0.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	0	\$45.00	\$0.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	0	\$100.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	0	\$1,000.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	0	\$45.00	\$0.00
765.00	Seeding	SY	0	\$2.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	108	\$80.00	\$8,604.80
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

Subtotal					\$81,100.24
15% Contingency					\$12,165.04

Total \$93,265.28
MassDOT Complete Streets Funding Request \$93,265.28

Notes:

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 3

Project Name: North & South Washington Street Bicycle & Pedestrian Improvements

Description: Resurface the existing concrete sidewalks and install new granite curbing (where necessary) on both sides of the road (Chestnut Street to Park Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).

Extent: Route 120 to Park Street

Total Length: 10,775 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	3,040	\$34.78	\$105,737.00
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	14,790	\$4.00	\$59,160.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	108	\$180.00	\$19,395.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	1,507	\$45.00	\$67,812.15
420.00	Hot Mix Asphalt Base Course (2")	TON	68	\$95.00	\$6,417.57
460.00	Hot Mix Asphalt Top Course (1")	TON	42	\$90.00	\$3,763.69
701.00	Cement Concrete Sidewalk (4")	SY	6,902	\$55.00	\$379,610.00
504.00	Granite Curb Type VA4 - Straight	FT	0	\$42.25	\$0.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	420	\$40.00	\$16,800.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	560	\$45.00	\$25,200.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
580.00	Curb Removed and Reset	FT	8,874	\$25.00	\$221,850.00
701.20	Cement Concrete Wheelchair Ramp	SY	616	\$100.00	\$61,600.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	13	\$1,000.00	\$13,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	0	\$45.00	\$0.00
765.00	Seeding	SY	0	\$2.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	108	\$80.00	\$8,620.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

Subtotal					\$988,965.40
15% Contingency					\$148,344.81

Total \$1,137,310.21
MassDOT Complete Streets Funding Request **\$1,137,310.21**

Notes:

Crosswalks - Chestnut (1), Barrows (1), Holbrook (1), School-Midblock (1), Bruce (1), Bank (2), Church (1), Mason (1), High (1), Grove (1), Fisher (1), Division (1), Tifft (1)
Curb Ramps - Chestnut (2), Barrows (2), Holbrook (2), School-Midblock (2), Bruce (2), Bank (4), Church (2), Mason (2), High (2), Grove (2), Fisher (2), Division (2), Tifft (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 4

Project Name: Landry Avenue Bicycle and Pedestrian Improvements

Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (Smith Street to North Attleborough High School). Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (North Attleborough High School to Laurelwood Drive). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets along the entire corridor. Restripe the roadway to provide two 5 foot wide designated bicycle lanes and add MUTCD approved bicycle lane pavement markings and bicycle lane signage (R3-17) (Orne Street to East Ridge Road). Add sharrows and bicycle signage (R4-11) (East Ridge Road to Route 152).

Extent: Orne Street to Route 152

Total Length: 11,906 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	1,185	\$34.78	\$41,199.16
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	2,799	\$4.00	\$11,194.67
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	9	\$10,000.00	\$90,000.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
854.10	Pavement Marking Removal	SF	20,286	\$1.50	\$30,429.00
866.106	6 Inch ReflectORIZED White Line (Thermoplastic)	FT	20,286	\$0.97	\$19,677.42
--	Pavement Markings - Bike Lane	Each	101	\$180.00	\$18,257.40
--	Pavement Markings - Sharrow	Each	18	\$180.00	\$3,173.40

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	659	\$45.00	\$29,672.59
420.00	Hot Mix Asphalt Base Course (2")	TON	265	\$95.00	\$25,139.51
460.00	Hot Mix Asphalt Top Course (1")	TON	131	\$90.00	\$11,781.51
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	135	\$42.25	\$5,703.75
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	135	\$40.00	\$5,400.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	180	\$45.00	\$8,100.00
514.00	Granite Curb Inlet - Straight	Each	12	\$370.00	\$4,440.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	198	\$100.00	\$19,800.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	7	\$1,000.00	\$7,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	144	\$45.00	\$6,471.67
765.00	Seeding	SY	431	\$2.00	\$862.89

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	6	\$108.84	\$653.04
--	Bike Lane Sign (R3-17) Assembly	Each	101	\$80.00	\$8,114.40
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	18	\$80.00	\$1,410.40
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$348,480.81
				15% Contingency	\$52,272.12

Total \$400,752.93
MassDOT Complete Streets Funding Request **\$400,752.93**

Crosswalks - Smith (4), High School (3)
Curb Ramps - Smith (4), High School (4), Laurelwood (1)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 5

Project Name: J.W. Martin Elementary School Improvements

Description: Replace the existing sidewalks with new 5 foot wide concrete sidewalks with granite curbing on both sides of the road (western Elementary School driveway to Route 152). Add ADA/AAB compliant curb ramps with tactile warning panels and a high visibility crosswalk with a set of Rapid Rectangular Flashing Beacons (RRFB) at the existing midblock crossing. Install a radar speed feedback sign in advance of the western driveway.

Extent: #88 Landry Avenue to Route 152

Total Length: 1,035 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	594	\$34.78	\$20,665.12
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	2,760	\$4.00	\$11,040.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	1	\$10,000.00	\$10,000.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	352	\$45.00	\$15,818.25
420.00	Hot Mix Asphalt Base Course (2")	TON	141	\$95.00	\$13,401.70
460.00	Hot Mix Asphalt Top Course (1")	TON	70	\$90.00	\$6,280.64
701.00	Cement Concrete Sidewalk (4")	SY	1,495	\$55.00	\$82,225.00
504.00	Granite Curb Type VA4 - Straight	FT	2,070	\$42.25	\$87,457.50
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	90	\$40.00	\$3,600.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	120	\$45.00	\$5,400.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	2	\$252.50	\$505.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	132	\$100.00	\$13,200.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	4	\$1,000.00	\$4,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	77	\$45.00	\$3,450.00
765.00	Seeding	SY	230	\$2.00	\$460.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	2	\$10,000.00	\$20,000.00
--	Radar Speed Feedback Sign	Each	1	\$5,000.00	\$5,000.00

Subtotal					\$302,503.20
15% Contingency					\$45,375.48

Total \$347,878.68
MassDOT Complete Streets Funding Request **\$347,878.68**

Notes:

Crosswalks - Western Driveway (2), Eastern Driveway (2)
Curb Ramps - Western Driveway (3), Eastern Driveway (3)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 6

Project Name: Orne Street Bicycle & Pedestrian Improvements

Description:

Replace the existing sidewalk surface with new asphalt on both sides of road (East Street to Landry Avenue). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Restripe roadway to provide two 5 foot wide designated bicycle lanes with MUTCD approved bicycle lane pavement markings and bicycle lane signage (R3-17) (Route 1 to Landry Avenue). Add sharrows and bicycle signage (R4-11) North Washington Street to Route 1). Add sharrows and bicycle signage (R4-11) on East Street (Orne Street to Mason Avenue) and on Mason Avenue (East Street to North Washington Street).

Extent: North Washington Street to Landry Avenue

Total Length: 2,064 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	284	\$34.78	\$9,893.30
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	1,321	\$4.00	\$5,285.33
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	4	\$180.00	\$765.00
--	Pavement Markings - Sharrow	Each	16	\$180.00	\$2,950.20

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	168	\$45.00	\$7,572.89
420.00	Hot Mix Asphalt Base Course (2")	TON	68	\$95.00	\$6,415.98
460.00	Hot Mix Asphalt Top Course (1")	TON	33	\$90.00	\$3,006.82
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	0	\$42.25	\$0.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	90	\$40.00	\$3,600.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	120	\$45.00	\$5,400.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
580.00	Curb Removed and Reset	FT	991	\$25.00	\$24,775.00
701.20	Cement Concrete Wheelchair Ramp	SY	132	\$100.00	\$13,200.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	5	\$1,000.00	\$5,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	37	\$45.00	\$1,651.67
765.00	Seeding	SY	110	\$2.00	\$220.22

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	4	\$80.00	\$340.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	16	\$80.00	\$1,311.20
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

Subtotal					\$91,387.61
15% Contingency					\$13,708.14

Total \$105,095.76
MassDOT Complete Streets Funding Request \$105,095.76

Notes:

Crosswalks - East (4), Landry (1)
Curb Ramps - East (4), Landry (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 7

Project Name: Arnold Road Bicycle & Pedestrian Improvements

Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Westside Avenue to High Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).

Extent: Westside Avenue to High Street

Total Length: 2,614 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	750	\$34.78	\$26,095.95
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	1,743	\$4.00	\$6,970.67
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	7	\$1,440.00	\$10,080.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	3	\$10,000.00	\$30,000.00
715.10	Mailbox Removed & Reset	Each	1	\$169.33	\$169.33

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	26	\$180.00	\$4,705.20

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	444	\$45.00	\$19,975.32
420.00	Hot Mix Asphalt Base Course (2")	TON	178	\$95.00	\$16,923.69
460.00	Hot Mix Asphalt Top Course (1")	TON	88	\$90.00	\$7,931.20
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	2,614	\$42.25	\$110,441.50
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	180	\$40.00	\$7,200.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	240	\$45.00	\$10,800.00
514.00	Granite Curb Inlet - Straight	Each	7	\$370.00	\$2,590.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	264	\$100.00	\$26,400.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	6	\$1,000.00	\$6,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	97	\$45.00	\$4,356.67
765.00	Seeding	SY	290	\$2.00	\$580.89

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	26	\$80.00	\$2,091.20
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$293,311.61
				15% Contingency	\$43,996.74

Total \$337,308.35
MassDOT Complete Streets Funding Request **\$337,308.35**

Notes:

Crosswalks - Sunset (1), Crescent (1), Johnson (1), Roosevelt (1), Sumner (1), Peterson (1)
Curb Ramps - Sunset (2), Crescent (2), Johnson (2), Roosevelt (2), Sumner (2), Peterson (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 8

Project Name: Crescent Avenue Bicycle & Pedestrian Improvements

Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Westside Avenue to Meadow Street).
 Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).

Extent: Westside Avenue to Arnold Road

Total Length: 2,336 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	497	\$34.78	\$17,280.83
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	1,154	\$4.00	\$4,616.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	1	\$1,440.00	\$1,440.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	2	\$10,000.00	\$20,000.00
715.10	Mailbox Removed & Reset	Each	1	\$169.33	\$169.33

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	23	\$180.00	\$4,204.80

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	294	\$45.00	\$13,227.73
420.00	Hot Mix Asphalt Base Course (2")	TON	118	\$95.00	\$11,206.93
460.00	Hot Mix Asphalt Top Course (1")	TON	58	\$90.00	\$5,252.07
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	1,731	\$42.25	\$73,134.75
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	45	\$40.00	\$1,800.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	60	\$45.00	\$2,700.00
514.00	Granite Curb Inlet - Straight	Each	5	\$370.00	\$1,850.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	66	\$100.00	\$6,600.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	1	\$1,000.00	\$1,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	64	\$45.00	\$2,885.00
765.00	Seeding	SY	192	\$2.00	\$384.67

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	2	\$108.84	\$217.68
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	23	\$80.00	\$1,868.80
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$169,838.58
				15% Contingency	\$25,475.79

Total \$195,314.36
MassDOT Complete Streets Funding Request **\$195,314.36**

Notes:

Crosswalks - AmVets (1)

Curb Ramps - Westside (1), AmVets (2),

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 9

Project Name: Westside Avenue Bicycle & Pedestrian Improvements

Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Metcalf Road to Arnold Road). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).

Extent: Metcalf Road to Arnold Road

Total Length: 2,170 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	623	\$34.78	\$21,663.43
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	1,447	\$4.00	\$5,786.67
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	1	\$1,440.00	\$1,440.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	1	\$169.33	\$169.33

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	22	\$180.00	\$3,906.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	368	\$45.00	\$16,582.42
420.00	Hot Mix Asphalt Base Course (2")	TON	148	\$95.00	\$14,049.12
460.00	Hot Mix Asphalt Top Course (1")	TON	73	\$90.00	\$6,584.05
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	2,170	\$42.25	\$91,682.50
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	165	\$40.00	\$6,600.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	220	\$45.00	\$9,900.00
514.00	Granite Curb Inlet - Straight	Each	7	\$370.00	\$2,590.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	242	\$100.00	\$24,200.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	5	\$1,000.00	\$5,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	80	\$45.00	\$3,616.67
765.00	Seeding	SY	241	\$2.00	\$482.22

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	2	\$108.84	\$217.68
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	22	\$80.00	\$1,736.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$216,206.09
				15% Contingency	\$32,430.91

Total \$248,637.00
MassDOT Complete Streets Funding Request **\$248,637.00**

Notes:

Crosswalks - Crescent (1), Ranch (1), Prince (1), Kendall (1), Meadow (1)
Curb Ramps - Metcalf (1), Crescent (2), Ranch (2), Prince (2), Kendall (2), Meadow (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 10

Project Name: AmVet Boulevard Bicycle & Pedestrian Improvements

Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on both sides of the road (Crescent Avenue to Bonneau Lane). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks on approaches of the AmVet Boulevard & Johnson Street, the AmVet Boulevard & Bonneau Street intersection and at both driveways of the school property. Add sharrows and bicycle signage (R4-11).

Extent: Crescent Avenue to Roosevelt Avenue

Total Length: 1,074 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	103	\$34.78	\$3,593.93
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	480	\$4.00	\$1,920.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	2	\$1,440.00	\$2,880.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	1	\$10,000.00	\$10,000.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	11	\$180.00	\$1,933.20

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	61	\$45.00	\$2,751.00
420.00	Hot Mix Asphalt Base Course (2")	TON	25	\$95.00	\$2,330.73
460.00	Hot Mix Asphalt Top Course (1")	TON	12	\$90.00	\$1,092.29
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	720	\$42.25	\$30,420.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	150	\$40.00	\$6,000.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	200	\$45.00	\$9,000.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	220	\$100.00	\$22,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	7	\$1,000.00	\$7,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	13	\$45.00	\$600.00
765.00	Seeding	SY	40	\$2.00	\$80.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	1	\$108.84	\$108.84
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	11	\$80.00	\$859.20
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$102,569.19
				15% Contingency	\$15,385.38

Total \$117,954.57
MassDOT Complete Streets Funding Request **\$117,954.57**

Notes:

Crosswalks - Crescent (1), School Driveways (2), Bonneau (4)
Curb Ramps - Crescent (2), Bonneau (4), School Driveway (4)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 11
Project Name: Roosevelt Avenue & Johnson Street Bicycle Improvements
Description: Add sharrows and bicycle signage (R4-11).
Extent: Broadway to Arnold (Roosevelt Avenue) & AmVets Boulevard to Arnold Road (Johnson Street)
Total Length: 3,374 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	0	\$34.78	\$0.00
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	0	\$4.00	\$0.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	34	\$180.00	\$6,073.20

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	0	\$45.00	\$0.00
420.00	Hot Mix Asphalt Base Course (2")	TON	0	\$95.00	\$0.00
460.00	Hot Mix Asphalt Top Course (1")	TON	0	\$90.00	\$0.00
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	0	\$42.25	\$0.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	0	\$40.00	\$0.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	0	\$45.00	\$0.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	0	\$100.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	0	\$1,000.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	0	\$45.00	\$0.00
765.00	Seeding	SY	0	\$2.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	34	\$80.00	\$2,699.20
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$8,772.40
				15% Contingency	\$1,315.86

Total \$10,088.26
MassDOT Complete Streets Funding Request **\$10,088.26**

Notes:

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 12

Project Name: Broadway Bicycle and Pedestrian Improvements

Description: Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets (Metcalf Road to West Street). Add sharrows and bicycle signage (R4-11). Install a set of Rapid Rectangular Flashing Beacons (RRFB) and high visibility crosswalks at the Roosevelt Avenue intersection and a set of radar speed feedback signs in advance of the Roosevelt Avenue intersection.

Extent: Metcalf Road to Plainville town line

Total Length: 8,381 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	272	\$34.78	\$9,467.89
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	817	\$4.00	\$3,266.67
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	84	\$180.00	\$15,085.80

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	204	\$45.00	\$9,187.50
420.00	Hot Mix Asphalt Base Course (2")	TON	0	\$95.00	\$0.00
460.00	Hot Mix Asphalt Top Course (1")	TON	0	\$90.00	\$0.00
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	0	\$42.25	\$0.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	525	\$40.00	\$21,000.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	700	\$45.00	\$31,500.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	770	\$100.00	\$77,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	24	\$1,000.00	\$24,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	0	\$45.00	\$0.00
765.00	Seeding	SY	0	\$2.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	84	\$80.00	\$6,704.80
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	2	\$10,000.00	\$20,000.00
--	Radar Speed Feedback Sign	Each	2	\$5,000.00	\$10,000.00

Subtotal					\$227,212.66
15% Contingency					\$34,081.90

Total \$261,294.55
MassDOT Complete Streets Funding Request **\$261,294.55**

Notes:

Crosswalks - Hunting (4), Bucklin (1), Colburn (1), Ash (1), Eddy (1), Roosevelt (3), Barrows (1), Bank (1), Richards (1), Church (1), High (4), Grove (1), Leonard (1), Division (1)
Curb Ramps - Hunting (4), Bucklin (2), Colburn (2), Ash (2), Eddy (2), Roosevelt (4), Barrows (2), Bank (2), Church (2), High (4), Grove (2), Leonard (2), Division (2), Pleasant (

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 13

Project Name: Route 152 Bicycle Improvements

Description: Restripe the roadway to provide two 5 foot wide designated bicycle lanes (Attleboro city line to Plainville town line). Add MUTCD approved bicycle lane pavement markings and bicycle lane signage (R3-17).

Extent: Attleboro city line to Plainville town line

Total Length: 14,775 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	0	\$34.78	\$0.00
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	0	\$4.00	\$0.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
854.10	Pavement Marking Removal	SF	29,550	\$1.50	\$44,325.00
866.106	6 Inch ReflectORIZED White Line (Thermoplastic)	FT	29,550	\$0.97	\$28,663.50
--	Pavement Markings - Bike Lane	Each	148	\$180.00	\$26,595.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	0	\$45.00	\$0.00
420.00	Hot Mix Asphalt Base Course (2")	TON	0	\$95.00	\$0.00
460.00	Hot Mix Asphalt Top Course (1")	TON	0	\$90.00	\$0.00
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	0	\$42.25	\$0.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	0	\$40.00	\$0.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	0	\$45.00	\$0.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	0	\$100.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	0	\$1,000.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	0	\$45.00	\$0.00
765.00	Seeding	SY	0	\$2.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	148	\$80.00	\$11,820.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

Subtotal					\$111,403.50
15% Contingency					\$16,710.53

Total \$128,114.03
MassDOT Complete Streets Funding Request **\$128,114.03**

Notes:

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 14

Project Name: Route 152 Pedestrian Improvements (Phase II)

Description: Install new 5 foot wide asphalt sidewalks with granite curbing on both sides of the road (George Leven Drive to Plainville Town Line). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.

Extent: George Leven Drive to Plainville town line

Total Length: 1,130 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	649	\$34.78	\$22,561.91
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	3,013	\$4.00	\$12,053.33
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	384	\$45.00	\$17,270.17
420.00	Hot Mix Asphalt Base Course (2")	TON	154	\$95.00	\$14,631.81
460.00	Hot Mix Asphalt Top Course (1")	TON	76	\$90.00	\$6,857.12
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	2,260	\$42.25	\$95,485.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	0	\$40.00	\$0.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	0	\$45.00	\$0.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	0	\$100.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	0	\$1,000.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	84	\$45.00	\$3,766.67
765.00	Seeding	SY	251	\$2.00	\$502.22

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$173,128.23
				15% Contingency	\$25,969.23

Total \$199,097.47
MassDOT Complete Streets Funding Request **\$199,097.47**

Notes:

Crosswalks - Crescent (1), Ranch (1), Prince (1), Kendall (1), Meadow (1)
Curb Ramps - Metcalf (1), Crescent (2), Ranch (2), Prince (2), Kendall (2), Meadow (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 15

Project Name: Towne Street Bicycle & Pedestrian Improvements

Description: Replace existing sidewalks with new 5 foot wide asphalt sidewalks with granite curbing on the both sides of the road (Mount Hope Street to Jackson Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).

Extent: Mount Hope Street to John L. Dietsch Boulevard

Total Length: 6,510 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	1,497	\$34.78	\$52,052.13
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	6,952	\$4.00	\$27,808.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	3	\$1,440.00	\$4,320.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	7	\$10,000.00	\$70,000.00
715.10	Mailbox Removed & Reset	Each	1	\$169.33	\$169.33

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	65	\$180.00	\$11,718.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	885	\$45.00	\$39,843.65
420.00	Hot Mix Asphalt Base Course (2")	TON	355	\$95.00	\$33,756.74
460.00	Hot Mix Asphalt Top Course (1")	TON	176	\$90.00	\$15,819.93
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	2,607	\$42.25	\$110,145.75
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	90	\$40.00	\$3,600.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	120	\$45.00	\$5,400.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	132	\$100.00	\$13,200.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	3	\$1,000.00	\$3,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	193	\$45.00	\$8,690.00
765.00	Seeding	SY	579	\$2.00	\$1,158.67

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	65	\$80.00	\$5,208.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$405,890.20
				15% Contingency	\$60,883.53

Total \$466,773.73
MassDOT Complete Streets Funding Request **\$466,773.73**

Notes:

Crosswalks - Mt. Hope (1), Pond View (1), Dodge (1)
Curb Ramps - Mt. Hope (2), Pond View (2), Dodge (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 16

Project Name: Stanley Street Bicycle & Pedestrian Improvements

Description: Replace existing sidewalks with new 5 foot wide asphalt sidewalks with granite curbing on both sides of the road (Commonwealth Avenue to Towne Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).

Extent: Commonwealth Avenue to Towne Street

Total Length: 1,785 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	1,025	\$34.78	\$35,639.84
127.00	Concrete Excavation	CY	57	\$180.00	\$10,216.67
170.62	Fine Grading and Compacting	SY	4,760	\$4.00	\$19,040.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	15	\$1,440.00	\$21,600.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	1	\$10,000.00	\$10,000.00
715.10	Mailbox Removed & Reset	Each	2	\$169.33	\$338.66

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	18	\$180.00	\$3,213.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	606	\$45.00	\$27,280.75
420.00	Hot Mix Asphalt Base Course (2")	TON	243	\$95.00	\$23,113.07
460.00	Hot Mix Asphalt Top Course (1")	TON	120	\$90.00	\$10,831.83
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	3,570	\$42.25	\$150,832.50
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	150	\$40.00	\$6,000.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	200	\$45.00	\$9,000.00
514.00	Granite Curb Inlet - Straight	Each	8	\$370.00	\$2,960.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	220	\$100.00	\$22,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	8	\$1,000.00	\$8,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	132	\$45.00	\$5,950.00
765.00	Seeding	SY	397	\$2.00	\$793.33

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	2	\$108.84	\$217.68
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	18	\$80.00	\$1,428.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$368,455.33
				15% Contingency	\$55,268.30

Total \$423,723.63
MassDOT Complete Streets Funding Request **\$423,723.63**

Notes:

Crosswalks - Ivy (4), Jackson (4)

Curb Ramps - Ivy (4), Jackson (4), Towne (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 17
Project Name: Route 152 Pedestrian Improvements (Phase I)
Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (Bungay Road to Landry Avenue). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.
Extent: Bungay Road to Landry Avenue
Total Length: 3,584 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	712	\$34.78	\$24,748.22
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	1,653	\$4.00	\$6,610.67
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	3	\$1,440.00	\$4,320.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	13	\$169.33	\$2,201.29

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	421	\$45.00	\$18,943.69
420.00	Hot Mix Asphalt Base Course (2")	TON	169	\$95.00	\$16,049.67
460.00	Hot Mix Asphalt Top Course (1")	TON	84	\$90.00	\$7,521.60
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	2,479	\$42.25	\$104,737.75
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	60	\$40.00	\$2,400.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	80	\$45.00	\$3,600.00
514.00	Granite Curb Inlet - Straight	Each	1	\$370.00	\$370.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	88	\$100.00	\$8,800.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	2	\$1,000.00	\$2,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	92	\$45.00	\$4,131.67
765.00	Seeding	SY	275	\$2.00	\$550.89

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	3	\$108.84	\$326.52
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

Subtotal **\$207,311.96**
15% Contingency \$31,096.79

Total **\$238,408.75**
MassDOT Complete Streets Funding Request **\$238,408.75**

Notes:
Crosswalks - Bungay (1), High Rock (1)
Curb Ramps - Bungay (2), High Rock (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 18

Project Name: South Washington Street Pedestrian Improvements

Description: Install a new 5 foot wide concrete sidewalk with granite curbing on the left side of the road (#429 South Washington Street to Calvin Road). Add ADA/AAB compliant curb ramps with tactile warning panels and a high visibility crosswalks at all intersecting streets.

Extent: #429 South Washington Street to Calvin Road

Total Length: 783 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	225	\$34.78	\$7,816.81
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	522	\$4.00	\$2,088.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	6	\$10,000.00	\$60,000.00
715.10	Mailbox Removed & Reset	Each	1	\$169.33	\$169.33

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	133	\$45.00	\$5,983.43
420.00	Hot Mix Asphalt Base Course (2")	TON	6	\$95.00	\$566.26
460.00	Hot Mix Asphalt Top Course (1")	TON	4	\$90.00	\$332.09
701.00	Cement Concrete Sidewalk (4")	SY	566	\$55.00	\$31,102.50
504.00	Granite Curb Type VA4 - Straight	FT	783	\$42.25	\$33,081.75
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	0	\$40.00	\$0.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	0	\$45.00	\$0.00
514.00	Granite Curb Inlet - Straight	Each	1	\$370.00	\$370.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	0	\$100.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	0	\$1,000.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	29	\$45.00	\$1,305.00
765.00	Seeding	SY	87	\$2.00	\$174.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	1	\$108.84	\$108.84
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$143,098.00
				15% Contingency	\$21,464.70

Total \$164,562.70
MassDOT Complete Streets Funding Request **\$164,562.70**

Notes:

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 19

Project Name: Commonwealth Avenue Bicycle & Pedestrian Improvements

Description: Replace the existing sidewalk with a new 5 foot wide asphalt sidewalk with granite curbing on both sides of the road (Mount Hope Street to Stack Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).

Extent: Mount Hope Street to Elm Street

Total Length: 1,230 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	706	\$34.78	\$24,558.54
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	3,280	\$4.00	\$13,120.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	5	\$10,000.00	\$50,000.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	12	\$180.00	\$2,214.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	418	\$45.00	\$18,798.50
420.00	Hot Mix Asphalt Base Course (2")	TON	168	\$95.00	\$15,926.66
460.00	Hot Mix Asphalt Top Course (1")	TON	83	\$90.00	\$7,463.95
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	2,460	\$42.25	\$103,935.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	30	\$40.00	\$1,200.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	40	\$45.00	\$1,800.00
514.00	Granite Curb Inlet - Straight	Each	2	\$370.00	\$740.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	44	\$100.00	\$4,400.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	1	\$1,000.00	\$1,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	91	\$45.00	\$4,100.00
765.00	Seeding	SY	273	\$2.00	\$546.67

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	12	\$80.00	\$984.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$250,787.31
				15% Contingency	\$37,618.10

Total \$288,405.41
MassDOT Complete Streets Funding Request **\$288,405.41**

Notes:

Crosswalks - Stack (1)

Curb Ramps - Stack (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 20

Project Name: John L. Dietsch Boulevard Bicycle & Pedestrian Improvements

Description: Install new 5 foot wide asphalt sidewalks with granite curbing on both sides of the road (Toner Boulevard to Landry Avenue). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Remove traffic islands at the Towne Street intersection. Add sharrows and bicycle signage (R4-11).

Extent: Toner Boulevard to Landry Avenue

Total Length: 8,493 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	4,876	\$34.78	\$169,573.75
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	22,648	\$4.00	\$90,592.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	6	\$10,000.00	\$60,000.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	85	\$180.00	\$15,287.40

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	2,884	\$45.00	\$129,801.35
420.00	Hot Mix Asphalt Base Course (2")	TON	1,158	\$95.00	\$109,971.61
460.00	Hot Mix Asphalt Top Course (1")	TON	573	\$90.00	\$51,537.65
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	16,986	\$42.25	\$717,658.50
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	165	\$40.00	\$6,600.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	220	\$45.00	\$9,900.00
514.00	Granite Curb Inlet - Straight	Each	30	\$370.00	\$11,100.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	242	\$100.00	\$24,200.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	11	\$1,000.00	\$11,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	629	\$45.00	\$28,310.00
765.00	Seeding	SY	1,887	\$2.00	\$3,774.67

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	85	\$80.00	\$6,794.40
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

Subtotal					\$1,446,101.33
15% Contingency					\$216,915.20

Total \$1,663,016.53
MassDOT Complete Streets Funding Request **\$1,663,016.53**

Notes:

Crosswalks - Driveway (1), Gym-Midblock (1), Dietsch Square (1), Towne (4), Larsen (4), Alice Agnew (1),
Curb Ramps - Driveway (2), Gym-Midblock (2), Dietsch Square (2), Towne (4), Larsen (4), Alice Agnew (2),

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 21
Project Name: Hope Street Pedestrian Improvements
Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Dead End to Grant Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.
Extent: Dead End to Grant Street
Total Length: 568 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	163	\$34.78	\$5,670.43
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	379	\$4.00	\$1,514.67
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	2	\$1,440.00	\$2,880.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	96	\$45.00	\$4,340.47
420.00	Hot Mix Asphalt Base Course (2")	TON	39	\$95.00	\$3,677.37
460.00	Hot Mix Asphalt Top Course (1")	TON	19	\$90.00	\$1,723.38
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	568	\$42.25	\$23,998.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	90	\$40.00	\$3,600.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	120	\$45.00	\$5,400.00
514.00	Granite Curb Inlet - Straight	Each	1	\$370.00	\$370.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	132	\$100.00	\$13,200.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	3	\$1,000.00	\$3,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	21	\$45.00	\$946.67
765.00	Seeding	SY	63	\$2.00	\$126.22

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	1	\$108.84	\$108.84
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$70,556.05
				15% Contingency	\$10,583.41

Total \$81,139.45
MassDOT Complete Streets Funding Request **\$81,139.45**

Notes:
Crosswalks - Housing Authority (1), Forest (1), Grant (1)
Curb Ramps - Housing Authority (2), Forest (2), Grant (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 22

Project Name: Elmwood Street Bicycle & Pedestrian Improvements

Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on right side of road (YMCA to WWI Memorial Park). Add ADA/AAB compliant curb ramps with tactile warning panels, a high visibility crosswalk and a set of Rapid Rectangular Flashing Beacons (RRFB) at the YMCA property midblock crossing. Install ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets (Route 1 to Plainville Town Line). Add sharrows and bicycle signage (R4-11).

Extent: Route 1 to Plainville Town Line

Total Length: 5,626 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	263	\$34.78	\$9,162.28
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	654	\$4.00	\$2,616.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	2	\$10,000.00	\$20,000.00
715.10	Mailbox Removed & Reset	Each	3	\$169.33	\$507.99

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	56	\$180.00	\$10,126.80

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	119	\$45.00	\$5,356.81
420.00	Hot Mix Asphalt Base Course (2")	TON	48	\$95.00	\$4,538.45
460.00	Hot Mix Asphalt Top Course (1")	TON	24	\$90.00	\$2,126.92
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	701	\$42.25	\$29,617.25
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	120	\$40.00	\$4,800.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	160	\$45.00	\$7,200.00
514.00	Granite Curb Inlet - Straight	Each	2	\$370.00	\$740.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	176	\$100.00	\$17,600.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	4	\$1,000.00	\$4,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	26	\$45.00	\$1,168.33
765.00	Seeding	SY	78	\$2.00	\$155.78

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	56	\$80.00	\$4,500.80
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	2	\$10,000.00	\$20,000.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

Subtotal					\$144,217.41
15% Contingency					\$21,632.61

Total \$165,850.02
MassDOT Complete Streets Funding Request **\$165,850.02**

Notes:

Crosswalks - Spruce (1), Reed (1), YMCA-Midblock (1), WWI Park (1)
Curb Ramps - Spruce (2), Reed (2), YMCA-Midblock (2), WWI Park (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 23

Project Name: Mount Hope Street Bicycle & Pedestrian Improvements

Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (Hawthorne Street to Elmwood Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at the following intersections: 1.) Fisher Street, 2.) Landry Avenue, 3.) Chestnut Street, 4.) Elm Street, 5.) Commonwealth Avenue and, 6.) Towne Street. Add sharrows and bicycle signage (R4-11).

Extent: Old Post Road to Elmwood Street

Total Length: 24,691 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	688	\$34.78	\$23,935.08
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	1,823	\$4.00	\$7,290.67
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	15	\$1,440.00	\$21,600.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	2	\$10,000.00	\$20,000.00
715.10	Mailbox Removed & Reset	Each	3	\$169.33	\$507.99

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	247	\$180.00	\$44,443.80

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	334	\$45.00	\$15,008.23
420.00	Hot Mix Asphalt Base Course (2")	TON	134	\$95.00	\$12,715.43
460.00	Hot Mix Asphalt Top Course (1")	TON	66	\$90.00	\$5,959.02
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	1,964	\$42.25	\$82,979.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	330	\$40.00	\$13,200.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	440	\$45.00	\$19,800.00
514.00	Granite Curb Inlet - Straight	Each	2	\$370.00	\$740.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	484	\$100.00	\$48,400.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	3	\$1,000.00	\$3,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	73	\$45.00	\$3,273.33
765.00	Seeding	SY	218	\$2.00	\$436.44

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	1	\$108.84	\$108.84
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	247	\$80.00	\$19,752.80
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

Subtotal					\$343,150.64
15% Contingency					\$51,472.60

Total \$394,623.23
MassDOT Complete Streets Funding Request **\$394,623.23**

Notes:

Crosswalks - Hawthorne (1), Ryder (1), Elmwood (1)
Curb Ramps - Hawthorne (2), Ryder (2), Elmwood (2)
Other Curb Ramps are listed in project description

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 24

Project Name: Broad Street Bicycle & Pedestrian Improvements

Description: Replace the existing sidewalks with new 5 foot wide asphalt sidewalks with granite curbing on both sides of the road (High Street to #262 Broad Street). Install new 5 foot wide asphalt sidewalks with granite curbing on the right side of the road (#262 Broad Street to Whiting Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).

Extent: High Street to Whiting Street

Total Length: 3,628 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	2,015	\$34.78	\$70,071.72
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	9,359	\$4.00	\$37,434.67
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	1	\$10,000.00	\$10,000.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	36	\$180.00	\$6,530.40

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	1,192	\$45.00	\$53,636.86
420.00	Hot Mix Asphalt Base Course (2")	TON	478	\$95.00	\$45,442.76
460.00	Hot Mix Asphalt Top Course (1")	TON	237	\$90.00	\$21,296.52
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	7,019	\$42.25	\$296,552.75
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	270	\$40.00	\$10,800.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	360	\$45.00	\$16,200.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	396	\$100.00	\$39,600.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	14	\$1,000.00	\$14,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	260	\$45.00	\$11,698.33
765.00	Seeding	SY	780	\$2.00	\$1,559.78

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	3	\$108.84	\$326.52
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	36	\$80.00	\$2,902.40
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

Subtotal					\$638,052.71
15% Contingency					\$95,707.91

Total \$733,760.61
MassDOT Complete Streets Funding Request **\$733,760.61**

Notes:

Crosswalks - Grove (4), Leonard (1), Division (4), Pleasant (1), Tiftt (1), Adams (1), School (1), Whiting (1)
Curb Ramps - Grove (4), Leonard (2), Division (4), Pleasant (2), Tiftt (2), Adams (2), Whiting (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 25

Project Name: Broadway Pedestrian Improvements

Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (Metcalf Road to Roosevelt Avenue). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets (Metcalf Road to Roosevelt Avenue).

Extent: Metcalf Road to Roosevelt Avenue

Total Length: 2,022 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	580	\$34.78	\$20,185.93
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	1,348	\$4.00	\$5,392.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	8	\$1,440.00	\$11,520.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	2	\$10,000.00	\$20,000.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	343	\$45.00	\$15,451.45
420.00	Hot Mix Asphalt Base Course (2")	TON	138	\$95.00	\$13,090.93
460.00	Hot Mix Asphalt Top Course (1")	TON	68	\$90.00	\$6,135.00
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	2,022	\$42.25	\$85,429.50
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	30	\$40.00	\$1,200.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	40	\$45.00	\$1,800.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	44	\$100.00	\$4,400.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	1	\$1,000.00	\$1,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	75	\$45.00	\$3,370.00
765.00	Seeding	SY	225	\$2.00	\$449.33

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	5	\$108.84	\$544.20
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$189,968.34
				15% Contingency	\$28,495.25

Total \$218,463.59
MassDOT Complete Streets Funding Request **\$218,463.59**

Notes:

Crosswalks - Hunting (1)

Curb Ramps - Hunting (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 26

Project Name: Route 120 Bicycle Improvements

Description: Restripe the roadway to provide two 5 foot wide designated bicycle lanes (Rhode Island state line to South Washington Street). Add MUTCD approved bicycle lane pavement markings and bicycle lane signage (R3-17).

Extent: Rhode Island state line to South Washington Street

Total Length: 12,214 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00
Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	0	\$34.78	\$0.00
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	0	\$4.00	\$0.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00
Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
854.10	Pavement Marking Removal	SF	24,428	\$1.50	\$36,642.00
866.106	6 Inch ReflectORIZED White Line (Thermoplastic)	FT	24,428	\$0.97	\$23,695.16
--	Pavement Markings - Bike Lane	Each	122	\$180.00	\$21,985.20
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00
Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	0	\$45.00	\$0.00
420.00	Hot Mix Asphalt Base Course (2")	TON	0	\$95.00	\$0.00
460.00	Hot Mix Asphalt Top Course (1")	TON	0	\$90.00	\$0.00
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	0	\$42.25	\$0.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	0	\$40.00	\$0.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	0	\$45.00	\$0.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	0	\$100.00	\$0.00
Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	0	\$1,000.00	\$0.00
Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	0	\$45.00	\$0.00
765.00	Seeding	SY	0	\$2.00	\$0.00
Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	122	\$80.00	\$9,771.20
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00
Subtotal					\$92,093.56
15% Contingency					\$13,814.03
Total					\$105,907.59
MassDOT Complete Streets Funding Request					\$105,907.59

Notes:

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 27

Project Name: Chestnut Street Bicycle & Pedestrian Improvements

Description: Replace the existing sidewalks with new 5 foot wide asphalt sidewalks with granite curbing on both sides of the road (East Street to Mount Hope Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).

Extent: East Street to Mount Hope Street

Total Length: 4,101 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	2,354	\$34.78	\$81,881.78
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	10,936	\$4.00	\$43,744.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	1	\$1,440.00	\$1,440.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	41	\$180.00	\$7,381.80

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	1,393	\$45.00	\$62,676.95
420.00	Hot Mix Asphalt Base Course (2")	TON	559	\$95.00	\$53,101.80
460.00	Hot Mix Asphalt Top Course (1")	TON	277	\$90.00	\$24,885.89
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	8,202	\$42.25	\$346,534.50
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	90	\$40.00	\$3,600.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	120	\$45.00	\$5,400.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
580.00	Curb Removed and Reset	FT	0	\$25.00	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	132	\$100.00	\$13,200.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	3	\$1,000.00	\$3,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	304	\$45.00	\$13,670.00
765.00	Seeding	SY	911	\$2.00	\$1,822.67

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	41	\$80.00	\$3,280.80
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

Subtotal					\$665,620.19
15% Contingency					\$99,843.03
Total					\$765,463.22
MassDOT Complete Streets Funding Request					\$765,463.22

Notes:

Crosswalks - East (1), Oak (1), Union (1), Mt. Hope (1)

Curb Ramps - East (2), Oak (2), Union (2), Mt. Hope (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 28

Project Name: Anawan Road Bicycle & Pedestrian Improvements

Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Route 120 to Metcalf Road). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).

Extent: Route 120 to Metcalf Road

Total Length: 2,501 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	718	\$34.78	\$24,967.85
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	1,667	\$4.00	\$6,669.33
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	4	\$1,440.00	\$5,760.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	22	\$169.33	\$3,725.26

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	25	\$180.00	\$4,501.80

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	425	\$45.00	\$19,111.81
420.00	Hot Mix Asphalt Base Course (2")	TON	170	\$95.00	\$16,192.10
460.00	Hot Mix Asphalt Top Course (1")	TON	84	\$90.00	\$7,588.35
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	2,501	\$42.25	\$105,667.25
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	60	\$40.00	\$2,400.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	80	\$45.00	\$3,600.00
514.00	Granite Curb Inlet - Straight	Each	6	\$370.00	\$2,220.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	88	\$100.00	\$8,800.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	2	\$1,000.00	\$2,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	93	\$45.00	\$4,168.33
765.00	Seeding	SY	278	\$2.00	\$555.78

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	25	\$80.00	\$2,000.80
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$219,928.66
				15% Contingency	\$32,989.30

Total \$252,917.96
MassDOT Complete Streets Funding Request **\$252,917.96**

Notes:

Crosswalks - Sutherland (1), Metcalf (1)

Curb Ramps - Sutherland (2), Metcalf (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 29

Project Name: Metcalf Road Bicycle & Pedestrian Improvements

Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Anawan Road to Westside Avenue) and on the left side of the road (Anawan Road to Broadway). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets. Add sharrows and bicycle signage (R4-11).

Extent: Anawan Road to Westside Avenue & Anawan Road to Broadway

Total Length: 2,215 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	636	\$34.78	\$22,112.67
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	1,477	\$4.00	\$5,906.67
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	10	\$1,440.00	\$14,400.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	4	\$10,000.00	\$40,000.00
715.10	Mailbox Removed & Reset	Each	7	\$169.33	\$1,185.31

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	22	\$180.00	\$3,987.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	376	\$45.00	\$16,926.29
420.00	Hot Mix Asphalt Base Course (2")	TON	151	\$95.00	\$14,340.46
460.00	Hot Mix Asphalt Top Course (1")	TON	75	\$90.00	\$6,720.59
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	2,215	\$42.25	\$93,583.75
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	120	\$40.00	\$4,800.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	160	\$45.00	\$7,200.00
514.00	Granite Curb Inlet - Straight	Each	3	\$370.00	\$1,110.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	176	\$100.00	\$17,600.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	4	\$1,000.00	\$4,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	82	\$45.00	\$3,691.67
765.00	Seeding	SY	246	\$2.00	\$492.22

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	1	\$108.84	\$108.84
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	22	\$80.00	\$1,772.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$259,937.47
				15% Contingency	\$38,990.62

Total \$298,928.09
MassDOT Complete Streets Funding Request **\$298,928.09**

Notes:

Crosswalks - Metcalf (1), Pine (1), Hillside (1), Broadway (1)

Curb Ramps - Metcalf (2), Pine (2), Hillside (2), Broadway (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 30

Project Name: Grant Street Pedestrian Improvements

Description: Replace the existing sidewalks with a new 5 foot wide asphalt sidewalk with granite curbing (Elm Street to Hope Street) on both sides of the road. Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at the Hope Street and Elm Street intersections.

Extent: Elm Street to Hope Street

Total Length: 740 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	425	\$34.78	\$14,775.06
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	1,973	\$4.00	\$7,893.33
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	251	\$45.00	\$11,309.67
420.00	Hot Mix Asphalt Base Course (2")	TON	101	\$95.00	\$9,581.89
460.00	Hot Mix Asphalt Top Course (1")	TON	50	\$90.00	\$4,490.51
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	1,480	\$42.25	\$62,530.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	60	\$40.00	\$2,400.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	80	\$45.00	\$3,600.00
514.00	Granite Curb Inlet - Straight	Each	3	\$370.00	\$1,110.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	88	\$100.00	\$8,800.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	2	\$1,000.00	\$2,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	55	\$45.00	\$2,466.67
765.00	Seeding	SY	164	\$2.00	\$328.89

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$131,286.01
				15% Contingency	\$19,692.90

Total \$150,978.91
MassDOT Complete Streets Funding Request **\$150,978.91**

Notes:

Crosswalks - Elm (1), Hope (1)

Curb Ramps - Elm (2), Hope (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 31

Project Name: Barrows Street Pedestrian Improvements

Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Elementary School Driveway to South Washington Street). Add ADA/AAB compliant curb ramps with tactile warning panels and a high visibility crosswalk at the School Driveway.

Extent: Elementary School Driveway to South Washington Street

Total Length: 443 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	127	\$34.78	\$4,422.53
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	295	\$4.00	\$1,181.33
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	75	\$45.00	\$3,385.26
420.00	Hot Mix Asphalt Base Course (2")	TON	30	\$95.00	\$2,868.09
460.00	Hot Mix Asphalt Top Course (1")	TON	15	\$90.00	\$1,344.12
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	443	\$42.25	\$18,716.75
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	30	\$40.00	\$1,200.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	40	\$45.00	\$1,800.00
514.00	Granite Curb Inlet - Straight	Each	2	\$370.00	\$740.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	44	\$100.00	\$4,400.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	1	\$1,000.00	\$1,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	16	\$45.00	\$738.33
765.00	Seeding	SY	49	\$2.00	\$98.44

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$41,894.86
				15% Contingency	\$6,284.23

Total \$48,179.09
MassDOT Complete Streets Funding Request **\$48,179.09**

Notes:

Crosswalks - Elementary School Driveway (1)
Curb Ramps - Elementary School Driveway (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 32

Project Name: Ralph Street Pedestrian Improvements

Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of road (Barrows Street to Bank Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.

Extent: Barrows Street to Bank Street

Total Length: 581 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	167	\$34.78	\$5,800.21
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	387	\$4.00	\$1,549.33
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	99	\$45.00	\$4,439.81
420.00	Hot Mix Asphalt Base Course (2")	TON	40	\$95.00	\$3,761.54
460.00	Hot Mix Asphalt Top Course (1")	TON	20	\$90.00	\$1,762.83
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	581	\$42.25	\$24,547.25
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	60	\$40.00	\$2,400.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	80	\$45.00	\$3,600.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	88	\$100.00	\$8,800.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	2	\$1,000.00	\$2,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	22	\$45.00	\$968.33
765.00	Seeding	SY	65	\$2.00	\$129.11

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

Subtotal					\$59,758.41
15% Contingency					\$8,963.76

Total \$68,722.17
MassDOT Complete Streets Funding Request **\$68,722.17**

Notes:

Crosswalks - Brandon (1), Bank (1)
Curb Ramps - Brandon (2), Bank (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 33
Project Name: Brandon Street Pedestrian Improvements
Description: Fill gaps in the existing sidewalks on both sides of road (Barrows Street to Bank Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.
Extent: Barrows Street to Bank Street
Total Length: 538 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	57	\$34.78	\$1,996.63
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	133	\$4.00	\$533.33
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	34	\$45.00	\$1,528.33
420.00	Hot Mix Asphalt Base Course (2")	TON	14	\$95.00	\$1,294.85
460.00	Hot Mix Asphalt Top Course (1")	TON	7	\$90.00	\$606.83
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	0	\$42.25	\$0.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	60	\$40.00	\$2,400.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	80	\$45.00	\$3,600.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	200	\$18.50	\$3,700.00
701.20	Cement Concrete Wheelchair Ramp	SY	88	\$100.00	\$8,800.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	1	\$1,000.00	\$1,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	7	\$45.00	\$333.33
765.00	Seeding	SY	22	\$2.00	\$44.44

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$25,837.75
				15% Contingency	\$3,875.66

Total \$29,713.41
MassDOT Complete Streets Funding Request **\$29,713.41**

Notes:
Crosswalks - Bank (1)
Curb Ramps - Brandon (2), Bank (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 34

Project Name: Intersection Pedestrian Improvements

Description: Install ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at the following intersections: 1) Bank Street & Morse Street, 2) Fisher Street & East Street, 3) Elm Street & Bulfinch Street, 4) Park Street & Adams Street, 5) Park Street & West Street, 6) Park Street & School Street.

Extent: Numerous Intersections

Total Length: 0

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	124	\$34.78	\$4,328.18
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	23	\$4.00	\$93.33
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	124	\$45.00	\$5,600.00
420.00	Hot Mix Asphalt Base Course (2")	TON	0	\$95.00	\$0.00
460.00	Hot Mix Asphalt Top Course (1")	TON	0	\$90.00	\$0.00
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	0	\$42.25	\$0.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	240	\$40.00	\$9,600.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	320	\$45.00	\$14,400.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	352	\$100.00	\$35,200.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	12	\$1,000.00	\$12,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	0	\$45.00	\$0.00
765.00	Seeding	SY	0	\$2.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

Subtotal					\$81,221.51
15% Contingency					\$12,183.23

Total \$93,404.74
MassDOT Complete Streets Funding Request **\$93,404.74**

Notes:

Crosswalks - Bank & Morse (4), Fisher & East (4), Elm & Bulfinch (1), Park & Adams (1), Park & West (1), Park & School (1)
Curb Ramps - Bank & Morse (4), Fisher & East (4), Elm & Bulfinch (2), Park & Adams (2), Park & West (2), Park & School (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 35

Project Name: Jay Street Pedestrian Improvements

Description: Replace the the existing sidewalk surface with new asphalt on both sides of road (Route 1 to Elm Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.

Extent: Route 1 to Elm Street

Total Length: 806 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	463	\$34.78	\$16,092.83
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	1,075	\$4.00	\$4,298.67
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	274	\$45.00	\$12,318.37
420.00	Hot Mix Asphalt Base Course (2")	TON	110	\$95.00	\$10,436.49
460.00	Hot Mix Asphalt Top Course (1")	TON	54	\$90.00	\$4,891.01
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	0	\$42.25	\$0.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	30	\$40.00	\$1,200.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	40	\$45.00	\$1,800.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
580.00	Curb Removed and Reset	FT	1,612	\$25.00	\$40,300.00
701.20	Cement Concrete Wheelchair Ramp	SY	44	\$100.00	\$4,400.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	1	\$1,000.00	\$1,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	60	\$45.00	\$2,686.67
765.00	Seeding	SY	179	\$2.00	\$358.22

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$99,782.26
				15% Contingency	\$14,967.34

Total \$114,749.60
MassDOT Complete Streets Funding Request **\$114,749.60**

Notes:

Crosswalks - Elm (1)

Curb Ramps - Elm (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 36
Project Name: Plain Street Pedestrian Improvements
Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Route 152 to Woodchip Square). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.
Extent: Route 152 to Woodchip Square
Total Length: 1,786 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	513	\$34.78	\$17,829.90
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	1,191	\$4.00	\$4,762.67
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	1	\$1,440.00	\$1,440.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	303	\$45.00	\$13,648.02
420.00	Hot Mix Asphalt Base Course (2")	TON	122	\$95.00	\$11,563.01
460.00	Hot Mix Asphalt Top Course (1")	TON	60	\$90.00	\$5,418.95
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	1,786	\$42.25	\$75,458.50
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	30	\$40.00	\$1,200.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	40	\$45.00	\$1,800.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	44	\$100.00	\$4,400.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	1	\$1,000.00	\$1,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	66	\$45.00	\$2,976.67
765.00	Seeding	SY	198	\$2.00	\$396.89

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$141,894.60
				15% Contingency	\$21,284.19

Total \$163,178.79
MassDOT Complete Streets Funding Request **\$163,178.79**

Notes:
Crosswalks - Woodchip (1)
Curb Ramps - Woodchip (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 37

Project Name: Circular Street Pedestrian Improvements

Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (#59 Circular Street to West Street). Replace the existing sidewalk surfaces with new asphalt and keep existing granite curbing in place on both sides of the road (Leonard Street to #59 Circular Street). Add ADA/AAB compliant curb ramps with tactile warning panels and a high visibility crosswalks at all intersecting streets.

Extent: Leonard Street to West Street

Total Length: 1,577 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	717	\$34.78	\$24,927.92
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	3,329	\$4.00	\$13,317.33
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	3	\$1,440.00	\$4,320.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	1	\$169.33	\$169.33

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	424	\$45.00	\$19,081.24
420.00	Hot Mix Asphalt Base Course (2")	TON	170	\$95.00	\$16,166.20
460.00	Hot Mix Asphalt Top Course (1")	TON	84	\$90.00	\$7,576.21
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	657	\$42.25	\$27,758.25
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	210	\$40.00	\$8,400.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	280	\$45.00	\$12,600.00
514.00	Granite Curb Inlet - Straight	Each	5	\$370.00	\$1,850.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
580.00	Curb Removed and Reset	FT	308	\$25.00	\$7,700.00
701.20	Cement Concrete Wheelchair Ramp	SY	308	\$100.00	\$30,800.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	10	\$1,000.00	\$10,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	92	\$45.00	\$4,161.67
765.00	Seeding	SY	277	\$2.00	\$554.89

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

Subtotal					\$189,383.04
15% Contingency					\$28,407.46

Total \$217,790.50
MassDOT Complete Streets Funding Request **\$217,790.50**

Notes:

Crosswalks - Leonard (1), Division (4), Pleasant (4), West (1)
Curb Ramps - Leonard (2), Division (4), Pleasant (4), West (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 38
Project Name: School Street Pedestrian Improvements
Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (West Street to Broad Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.
Extent: West Street to Broad Street
Total Length: 681 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	195	\$34.78	\$6,798.52
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	454	\$4.00	\$1,816.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	2	\$10,000.00	\$20,000.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	116	\$45.00	\$5,203.98
420.00	Hot Mix Asphalt Base Course (2")	TON	46	\$95.00	\$4,408.96
460.00	Hot Mix Asphalt Top Course (1")	TON	23	\$90.00	\$2,066.24
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	681	\$42.25	\$28,772.25
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	0	\$40.00	\$0.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	0	\$45.00	\$0.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	0	\$100.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	0	\$1,000.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	25	\$45.00	\$1,135.00
765.00	Seeding	SY	76	\$2.00	\$151.33

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$70,352.29
				15% Contingency	\$10,552.84

Total \$80,905.13
MassDOT Complete Streets Funding Request **\$80,905.13**

Notes:
Crosswalks - Crescent (1), Ranch (1), Prince (1), Kendall (1), Meadow (1)
Curb Ramps - Metcalf (1), Crescent (2), Ranch (2), Prince (2), Kendall (2), Meadow (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 39

Project Name: Spruce Street Pedestrian Improvements

Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Al Pace Drive to #92 Spruce Street). Fill gaps and repair sections of existing sidewalk (#92 Spruce Street to Elmwood Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at the intersection with Al Pace Drive and at all other intersecting streets.

Extent: Al Pace Drive to #92 Spruce Street

Total Length: 1,675 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	236	\$34.78	\$8,206.15
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	548	\$4.00	\$2,192.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	3	\$10,000.00	\$30,000.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	140	\$45.00	\$6,281.45
420.00	Hot Mix Asphalt Base Course (2")	TON	56	\$95.00	\$5,321.83
460.00	Hot Mix Asphalt Top Course (1")	TON	28	\$90.00	\$2,494.05
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	0	\$42.25	\$0.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	30	\$40.00	\$1,200.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	40	\$45.00	\$1,800.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	44	\$100.00	\$4,400.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	1	\$1,000.00	\$1,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	30	\$45.00	\$1,370.00
765.00	Seeding	SY	91	\$2.00	\$182.67

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	1	\$108.84	\$108.84
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

Subtotal					\$64,556.99
15% Contingency					\$9,683.55
Total					\$74,240.54
MassDOT Complete Streets Funding Request					\$74,240.54

Notes:

Crosswalks - Hawthorne (1)
Curb Ramps - Hawthorne (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 40

Project Name: Reed Avenue Pedestrian Improvements

Description: Install new 5 foot wide asphalt sidewalks with granite curbing on both sides where gaps exist (Hawthorne Street to Elmwood Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.

Extent: Hawthorne Street to Elmwood Street

Total Length: 1,725 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	293	\$34.78	\$10,182.81
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	680	\$4.00	\$2,720.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	1	\$1,440.00	\$1,440.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	173	\$45.00	\$7,794.50
420.00	Hot Mix Asphalt Base Course (2")	TON	70	\$95.00	\$6,603.74
460.00	Hot Mix Asphalt Top Course (1")	TON	34	\$90.00	\$3,094.81
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	0	\$42.25	\$0.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	120	\$40.00	\$4,800.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	160	\$45.00	\$7,200.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	176	\$100.00	\$17,600.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	1	\$1,000.00	\$1,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	38	\$45.00	\$1,700.00
765.00	Seeding	SY	113	\$2.00	\$226.67

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	2	\$108.84	\$217.68
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

Subtotal					\$64,580.20
15% Contingency					\$9,687.03

Total \$74,267.23
MassDOT Complete Streets Funding Request **\$74,267.23**

Notes:

Crosswalks - Hevey (1), Cross (4), Elmwood (1)
Curb Ramps - Hevey (2), Cross (4), Elmwood (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 41
Project Name: Hawthorne Street Pedestrian Improvements
Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (Spruce Street to Reed Avenue).
Extent: Spruce Street to Reed Avenue
Total Length: 297 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	85	\$34.78	\$2,965.00
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	198	\$4.00	\$792.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	5	\$1,440.00	\$7,200.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	50	\$45.00	\$2,269.58
420.00	Hot Mix Asphalt Base Course (2")	TON	20	\$95.00	\$1,922.85
460.00	Hot Mix Asphalt Top Course (1")	TON	10	\$90.00	\$901.14
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	297	\$42.25	\$12,548.25
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	60	\$40.00	\$2,400.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	80	\$45.00	\$3,600.00
514.00	Granite Curb Inlet - Straight	Each	2	\$370.00	\$740.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	88	\$100.00	\$8,800.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	2	\$1,000.00	\$2,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	11	\$45.00	\$495.00
765.00	Seeding	SY	33	\$2.00	\$66.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$46,699.81
				15% Contingency	\$7,004.97

Total \$53,704.78
MassDOT Complete Streets Funding Request **\$53,704.78**

Notes:
Crosswalks - Spruce (1), Reed (1)
Curb Ramps - Spruce (2), Reed (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 42
Project Name: Cross Street Pedestrian Improvements
Description: Install new 5 foot wide asphalt sidewalks with granite curbing on both sides of the road (Smith Street to Reed Avenue). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.
Extent: Smith Street to Reed Avenue
Total Length: 607 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	348	\$34.78	\$12,119.54
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	1,619	\$4.00	\$6,474.67
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	1	\$10,000.00	\$10,000.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	206	\$45.00	\$9,276.98
420.00	Hot Mix Asphalt Base Course (2")	TON	83	\$95.00	\$7,859.74
460.00	Hot Mix Asphalt Top Course (1")	TON	41	\$90.00	\$3,683.43
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	1,214	\$42.25	\$51,291.50
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	120	\$40.00	\$4,800.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	160	\$45.00	\$7,200.00
514.00	Granite Curb Inlet - Straight	Each	5	\$370.00	\$1,850.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	176	\$100.00	\$17,600.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	6	\$1,000.00	\$6,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	45	\$45.00	\$2,023.33
765.00	Seeding	SY	135	\$2.00	\$269.78

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	3	\$108.84	\$326.52
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$140,775.49
				15% Contingency	\$21,116.32

Total \$161,891.81
MassDOT Complete Streets Funding Request **\$161,891.81**

Notes:
Crosswalks - Smith (1), Spruce (4), Reed (1)
Curb Ramps - Smith (2), Spruce (4), Reed (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 43
Project Name: High Street & Fales Road Bicycle Improvements
Description: Add sharrows and bicycle signage (R4-11).
Extent: Plainville town line to North Washington Street (High Street) and Route 120 to High Street (Fales Road)
Total Length: 20,321 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	0	\$34.78	\$0.00
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	0	\$4.00	\$0.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	203	\$180.00	\$36,577.80

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	0	\$45.00	\$0.00
420.00	Hot Mix Asphalt Base Course (2")	TON	0	\$95.00	\$0.00
460.00	Hot Mix Asphalt Top Course (1")	TON	0	\$90.00	\$0.00
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	0	\$42.25	\$0.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	0	\$40.00	\$0.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	0	\$45.00	\$0.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	0	\$100.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	0	\$1,000.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	0	\$45.00	\$0.00
765.00	Seeding	SY	0	\$2.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	203	\$80.00	\$16,256.80
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$52,834.60
				15% Contingency	\$7,925.19

Total \$60,759.79
MassDOT Complete Streets Funding Request **\$60,759.79**

Notes:

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 44
Project Name: Union Street Pedestrian Improvements
Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (Elm Street to Chestnut Street). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.
Extent: Elm Street to Chestnut Street
Total Length: 311 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	89	\$34.78	\$3,104.76
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	207	\$4.00	\$829.33
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	2	\$1,440.00	\$2,880.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	3	\$169.33	\$507.99

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	53	\$45.00	\$2,376.56
420.00	Hot Mix Asphalt Base Course (2")	TON	21	\$95.00	\$2,013.49
460.00	Hot Mix Asphalt Top Course (1")	TON	10	\$90.00	\$943.61
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	311	\$42.25	\$13,139.75
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	60	\$40.00	\$2,400.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	80	\$45.00	\$3,600.00
514.00	Granite Curb Inlet - Straight	Each	1	\$370.00	\$370.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	88	\$100.00	\$8,800.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	2	\$1,000.00	\$2,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	12	\$45.00	\$518.33
765.00	Seeding	SY	35	\$2.00	\$69.11

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$43,552.94
				15% Contingency	\$6,532.94

Total \$50,085.88
MassDOT Complete Streets Funding Request **\$50,085.88**

Notes:
Crosswalks - Elm (1), Chestnut (1)
Curb Ramps - Elm (2), Chestnut (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 45
Project Name: Smith Street Pedestrian Improvements
Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Mount Hope Street to Route 1). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.
Extent: Mount Hope Street to Route 1
Total Length: 5,903 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	1,694	\$34.78	\$58,930.52
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	3,935	\$4.00	\$15,741.33
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	11	\$1,440.00	\$15,840.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	4	\$10,000.00	\$40,000.00
715.10	Mailbox Removed & Reset	Each	4	\$169.33	\$677.32

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	1,002	\$45.00	\$45,108.76
420.00	Hot Mix Asphalt Base Course (2")	TON	402	\$95.00	\$38,217.50
460.00	Hot Mix Asphalt Top Course (1")	TON	199	\$90.00	\$17,910.44
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	5,903	\$42.25	\$249,401.75
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	255	\$40.00	\$10,200.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	340	\$45.00	\$15,300.00
514.00	Granite Curb Inlet - Straight	Each	9	\$370.00	\$3,330.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	374	\$100.00	\$37,400.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	10	\$1,000.00	\$10,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	219	\$45.00	\$9,838.33
765.00	Seeding	SY	656	\$2.00	\$1,311.78

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	2	\$108.84	\$217.68
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$569,425.41
				15% Contingency	\$85,413.81

Total \$654,839.23
MassDOT Complete Streets Funding Request **\$654,839.23**

Notes:

Crosswalks - Mount Hope (1), Grant (1), Falmouth (1), Landry (4), Columbia (1), Fisher (1), Cross (1)
Curb Ramps - Mount Hope (2), Grant (2), Falmouth (2), Landry (4), Columbia (2), Fisher (2), Cross (2), Route 1 (1)
SRPEDD

8/20/2018

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 46

Project Name: Allen Avenue Pedestrian Improvements

Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the left side of the road (Draper Avenue to Hoppin Hill Road).
Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.

Extent: Draper Avenue to Hoppin Hill Road

Total Length: 4,493 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	1,290	\$34.78	\$44,854.28
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	2,995	\$4.00	\$11,981.33
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	7	\$1,440.00	\$10,080.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	5	\$10,000.00	\$50,000.00
715.10	Mailbox Removed & Reset	Each	28	\$169.33	\$4,741.24

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	763	\$45.00	\$34,334.01
420.00	Hot Mix Asphalt Base Course (2")	TON	306	\$95.00	\$29,088.81
460.00	Hot Mix Asphalt Top Course (1")	TON	151	\$90.00	\$13,632.32
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	4,493	\$42.25	\$189,829.25
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	195	\$40.00	\$7,800.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	260	\$45.00	\$11,700.00
514.00	Granite Curb Inlet - Straight	Each	2	\$370.00	\$740.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	286	\$100.00	\$28,600.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	6	\$1,000.00	\$6,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	166	\$45.00	\$7,488.33
765.00	Seeding	SY	499	\$2.00	\$998.44

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$451,868.02
				15% Contingency	\$67,780.20

Total \$519,648.23
MassDOT Complete Streets Funding Request **\$519,648.23**

Notes:

Crosswalks - Draper (1), Spring Hill (1), Amy (1), Leo P Sarrazin (1), Rodney Lecours (1), Joseph Leblanc (1)
Curb Ramps - Draper (2), Spring Hill (2), Amy (2), Leo P Sarrazin (2), Rodney Lecours (2), Joseph Leblanc (2), Hoppin Hill (1)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 47
Project Name: Allen Avenue & Hoppin Hill Avenue & Holmes Road Bicycle Improvements
Description: Add sharrows and bicycle signage (R4-11).
Extent: Route 1 to Route 120
Total Length: 13,196 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	0	\$34.78	\$0.00
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	0	\$4.00	\$0.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	0	\$1,440.00	\$0.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	0	\$169.33	\$0.00

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrows	Each	132	\$180.00	\$23,752.80

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	0	\$45.00	\$0.00
420.00	Hot Mix Asphalt Base Course (2")	TON	0	\$95.00	\$0.00
460.00	Hot Mix Asphalt Top Course (1")	TON	0	\$90.00	\$0.00
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	0	\$42.25	\$0.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	0	\$40.00	\$0.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	0	\$45.00	\$0.00
514.00	Granite Curb Inlet - Straight	Each	0	\$370.00	\$0.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	0	\$100.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	0	\$1,000.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	0	\$45.00	\$0.00
765.00	Seeding	SY	0	\$2.00	\$0.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	0	\$108.84	\$0.00
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	132	\$80.00	\$10,556.80
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$34,309.60
				15% Contingency	\$5,146.44

Total \$39,456.04
MassDOT Complete Streets Funding Request **\$39,456.04**

Notes:

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 48
Project Name: Bungay Road Pedestrian Improvements
Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Route 152 to Mansfield Road). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.
Extent: Route 152 to Mansfield Road
Total Length: 2,965 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	851	\$34.78	\$29,600.03
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	1,977	\$4.00	\$7,906.67
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	7	\$1,440.00	\$10,080.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	1	\$10,000.00	\$10,000.00
715.10	Mailbox Removed & Reset	Each	8	\$169.33	\$1,354.64

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	504	\$45.00	\$22,657.54
420.00	Hot Mix Asphalt Base Course (2")	TON	202	\$95.00	\$19,196.15
460.00	Hot Mix Asphalt Top Course (1")	TON	100	\$90.00	\$8,996.18
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	2,965	\$42.25	\$125,271.25
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	90	\$40.00	\$3,600.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	120	\$45.00	\$5,400.00
514.00	Granite Curb Inlet - Straight	Each	2	\$370.00	\$740.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	132	\$100.00	\$13,200.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	3	\$1,000.00	\$3,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	110	\$45.00	\$4,941.67
765.00	Seeding	SY	329	\$2.00	\$658.89

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	2	\$108.84	\$217.68
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$266,820.70
				15% Contingency	\$40,023.11

Total \$306,843.81
MassDOT Complete Streets Funding Request **\$306,843.81**

Notes:
Crosswalks - Access Road (1), Atlantic (1), Lindsey (1)
Curb Ramps - Access Road (2), Atlantic (2), Lindsey (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 49

Project Name: Lindsey Street Pedestrian Improvements

Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Attleboro City Line to Bungay Road).
Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.

Extent: Attleboro city line to Bungay Road

Total Length: 3,834 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	1,101	\$34.78	\$38,275.39
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	2,556	\$4.00	\$10,224.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	12	\$1,440.00	\$17,280.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	0	\$10,000.00	\$0.00
715.10	Mailbox Removed & Reset	Each	22	\$169.33	\$3,725.26

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	651	\$45.00	\$29,298.15
420.00	Hot Mix Asphalt Base Course (2")	TON	261	\$95.00	\$24,822.27
460.00	Hot Mix Asphalt Top Course (1")	TON	129	\$90.00	\$11,632.84
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	3,834	\$42.25	\$161,986.50
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	150	\$40.00	\$6,000.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	200	\$45.00	\$9,000.00
514.00	Granite Curb Inlet - Straight	Each	3	\$370.00	\$1,110.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	220	\$100.00	\$22,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	5	\$1,000.00	\$5,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	142	\$45.00	\$6,390.00
765.00	Seeding	SY	426	\$2.00	\$852.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	6	\$108.84	\$653.04
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$348,249.45
				15% Contingency	\$52,237.42

Total \$400,486.87
MassDOT Complete Streets Funding Request **\$400,486.87**

Notes:

Crosswalks - Armstrong (1), Judith (1), Kimberly (1), Horace Darling (1), McKeon (1)
Curb Ramps - Armstrong (2), Judith (2), Kimberley (2), Horace Darling (2), McKeon (2)

Town of North Attleborough
Complete Streets Prioritization Plan - Project Cost Estimates

Project Number: 50
Project Name: Mansfield Road Pedestrian Improvements
Description: Install a new 5 foot wide asphalt sidewalk with granite curbing on the right side of the road (Bungay Road to Mansfield town line). Add ADA/AAB compliant curb ramps with tactile warning panels and high visibility crosswalks at all intersecting streets.
Extent: Bungay Road to Mansfield town line
Total Length: 2,544 ft

Item #	Description - General Items	Unit	Quantity	Unit Price	Total Cost
--	Survey Work & Design/Engineering	Allowance	0	\$10,000.00	\$0.00
--	Permitting	Allowance	0	\$0.00	\$0.00
--	ROW Acquisition	Allowance	0	\$10,000.00	\$0.00
--	Erosion Control	Allowance	0	\$10,000.00	\$0.00
--	Police Detail (\$55/hour @ 4hr shift)	Days	0	\$220.00	\$0.00

Item #	Description - Site Prep & Demolition	Unit	Quantity	Unit Price	Total Cost
120.10	Unclassified Excavation	CY	730	\$34.78	\$25,397.13
127.00	Concrete Excavation	CY	0	\$180.00	\$0.00
170.62	Fine Grading and Compacting	SY	1,696	\$4.00	\$6,784.00
103.00	Tree Removed - Diameter Under 24"	Each	0	\$1,000.00	\$0.00
104.00	Tree Removed - Diameter Over 24"	Each	14	\$1,440.00	\$20,160.00
105.00	Stump Removed	Each	0	\$500.00	\$0.00
--	Utility Pole Relocation	Each	1	\$10,000.00	\$10,000.00
715.10	Mailbox Removed & Reset	Each	17	\$169.33	\$2,878.61

Item #	Description - Bicycle Facilities	Unit	Quantity	Unit Price	Total Cost
415.00	Pavement MicroMilling	SY	0	\$5.00	\$0.00
--	Pavement Markings - Bike Lane	Each	0	\$180.00	\$0.00
--	Pavement Markings - Sharrow	Each	0	\$180.00	\$0.00

Item #	Description - Sidewalk	Unit	Quantity	Unit Price	Total Cost
151.01	Gravel Borrow - Type C (8")	CY	432	\$45.00	\$19,440.40
420.00	Hot Mix Asphalt Base Course (2")	TON	173	\$95.00	\$16,470.49
460.00	Hot Mix Asphalt Top Course (1")	TON	86	\$90.00	\$7,718.81
701.00	Cement Concrete Sidewalk (4")	SY	0	\$55.00	\$0.00
504.00	Granite Curb Type VA4 - Straight	FT	2,544	\$42.25	\$107,484.00
504.10	Granite Curb Type VA4 - Curved	FT	0	\$44.00	\$0.00
509.00	Granite Transition Curb for Wheelchair Ramps - Straight	FT	120	\$40.00	\$4,800.00
509.10	Granite Transition Curb for Wheelchair Ramps - Curved	FT	160	\$45.00	\$7,200.00
514.00	Granite Curb Inlet - Straight	Each	3	\$370.00	\$1,110.00
516.00	Granite Curb Corner Type A	Each	0	\$252.50	\$0.00
520.00	Concrete Curb Type VA	FT	0	\$32.00	\$0.00
570.30	Hot Mix Asphalt Curb Type 3	FT	0	\$18.50	\$0.00
701.20	Cement Concrete Wheelchair Ramp	SY	176	\$100.00	\$17,600.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
--	High Visibility "Ladder" or "Zebra" Type	Each	4	\$1,000.00	\$4,000.00

Item #	Description	Unit	Quantity	Unit Price	Total Cost
751.00	Loam Borrow	CY	94	\$45.00	\$4,240.00
765.00	Seeding	SY	283	\$2.00	\$565.33

Item #	Description	Unit	Quantity	Unit Price	Total Cost
874.20	Traffic Sign Removed & Reset	Each	4	\$108.84	\$435.36
--	Bike Lane Sign (R3-17) Assembly	Each	0	\$80.00	\$0.00
--	Bicycles May Use Full Lane Sign (R4-11) Assembly	Each	0	\$80.00	\$0.00
--	Pedestrian Crossing Signage Set (W11-2 & W16-7p)	Each	0	\$83.00	\$0.00
--	In-Street Pedestrian Crossing (R1-6 or R1-6a) Sign Assembly	Each	0	\$400.00	\$0.00
--	Rapid Rectangular Flashing Beacon (RRFB)	Each	0	\$10,000.00	\$0.00
--	Radar Speed Feedback Sign	Each	0	\$5,000.00	\$0.00

				Subtotal	\$256,284.14
				15% Contingency	\$38,442.62

Total \$294,726.76
MassDOT Complete Streets Funding Request **\$294,726.76**

Notes:
Crosswalks - Cranberry (1), Pinebough (1), Kingsley (1), Peters (1)
Curb Ramps - Cranberry (2), Pinebough (2), Kingsley (2), Peters (2)